

Kacie Jensen

From: Alison Guth
Sent: Tuesday, November 29, 2005 2:26 PM
To: Alan Stuart; Alison Guth; 'billeast@sc.rr.com'; 'marshallb@dnr.sc.gov'; 'flyhotair@greenwood.net'; 'tufford@sc.edu'; 'dchristie@infoave.net'; 'tyle6544@bellsouth.net'; 'kayakduke@bellsouth.net'; 'gjobsis@americanrivers.org'; 'Bkawasi@sc.rr.com'; 'Elymay2@aol.com'; 'mdmurr@sc.rr.com'; 'parkin@parkinhunter.com'; 'wwending@sc.rr.com'; 'PatrickM@sccccl.org'; 'crafton@usit.net'; 'rkidder@pbtcomm.net'; 'RESKKEENER@PBTCOMM.Net'; 'ahler@dnr.sc.gov'; 'royparker38@earthlink.net'; 'r1shealy@aol.com'; 'bellsteve9339@bellsouth.net'; 'suzrhodes@juno.com'; 'tbrooks@newberrycounty.net'; 'truple@sc.rr.com'; 'tboozzer@scana.com'; 'tbebbber@scprt.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'BARGENTIERI@scana.com'; 'btrump@scana.com'; 'rbickley@lex-co.com'; 'RMAHAN@scana.com'; 'bill25@sc.rr.com'; 'bigbillcutler@aol.com'; 'amanda_hill@fws.gov'; 'mark_leao@fws.gov'; 'pagec@dnr.sc.gov'; 'dhancock@scana.com'; 'ryanity@scana.com'; 'tpowers@newberrycounty.net'; 'vhoffman@scana.com'; 'millerca@dhec.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'
Subject: Lake and Land Mgt RSVP and Notes

Good Afternoon All:

Attached is the Final copy of the Lake and Land Management Meeting Notes from November 2nd. Thanks to all of the members who were involved in providing comment for this set of notes. For those of you who are involved in other RCG's, you will be receiving several more draft sets of notes this week for those respective RCG's. I appreciate your patience in this process, as this process continues the notes will be issued back to you at a faster pace. Getting routines set up the first time is always the most time consuming.

Second item, I am in the process of setting up lunches for next week's meetings. If you know that you, or someone who is not on the list, is coming to the December 8th, meeting please let me know. I would hate to have too few lunches. Please let me know by December 1st. Thanks so much! Alison



FINAL NOTES Lake
and Land Mgt ...

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F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
November 2, 2005**

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Bob Keener, LMA & LMSCA
Beth Trump, SCE&G
Randy Mahan, SCANA Services
George Duke, LMHC
Mark Leao, USFWS
Chris Page, SCDNR
Ralph Crafton, LMA
Dan Tufford, USC
Dick Christie, SCDNR
Don Tyler, LMA & LMHC
Richard Kidder, LMA
Roy Parker, LMA
Tim Flach, The State (observer)

Robert Yanity, SCE&G
Bill Marshall, SCDNR & LSSRAC
Tom Ruple, LMA
Van Hoffman, SCANA Services
Andy Miller, SCDHEC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Patrick Moore, SCCCL & Am. Rivers
Teresa Powers, Newberry Co.
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Beth Trump, SCE&G
Rhett Bickley, Lexington Co.
Tony Bebbler, SCPRT
Bill Mathias, LMA & Lake Murray Power
Squadron

DATE: November 2, 2005

ACTION ITEMS:

- Outline of SMP guidelines/Land Use:
Tommy Boozer and Randy Mahan
- Draft Mission Statement:
Alison Guth and Randy Mahan
- GIS Mapping:
Tommy Boozer and David Hancock
- Multi-slip dock application on SCANA website with link to relicensing website.
Alison Guth

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HOMEWORK ITEMS:

- Review Shoreline Management Plan Booklet
- Review ICD
- Review Study Requests associated with Lake and Land Management

AGENDA TOPICS FOR NEXT MEETING:

- Presentation on the Operation of Saluda Hydro
Lee Xanthakos
- Discussion on Issues
- Further Discussion on Procedures

**DATE OF NEXT MEETING: December 8, 2005 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND PURPOSE

Alan Stuart opened the meeting and everyone introduced themselves.

He introduced Tommy Boozer as the presentation speaker and noted that a Mission Statement would be developed with the goals for the group a little later in the afternoon.

DISCUSSION

The discussion floor was then turned over to Tommy Boozer, of SCE&G, who began a presentation on Lake Murray's Shoreline Management, Lake Management, Land Use, and Aquatic Plant Management. (Presentation can be viewed on the website)

Tommy began with a discussion on the history of the lake noting that the lake land was purchased in 1927. He continued to discuss the history of the lake in a little more detail before beginning discussion on the Shoreline Management Plan (SMP). He noted that there is a booklet that gives information about the current SMP that he would be passing out. Tommy also noted that they were updating floatation requirements to replace them with encapsulated floatation.

Tommy showed several more pictures and noted that for the past 10-12 years, they have tried to promote a certain type of dock. Examples included on-shore sitting areas, common areas, and narrow docks. He also presented examples of marine rails, and noted that there were not many left

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anymore. Tommy then gave an example of an SCE&G permitted water removal system and noted that they were for irrigation use only.

Discussion then moved to excavations, in which David Hancock pointed out that the only time they allow excavation to take place was when the land was dry.

In a discussion on erosion prevention, Tommy showed examples of rip-rap and noted that it was beneficial because it was the easiest to install on the shoreline and probably the most inexpensive. He also pointed out that seawalls are only allowed on the 360-foot elevation. You are not allowed to do any earth-fill encroachments.

Looking at other alternatives, Tommy showed an exhibit done in conjunction with the National Resource Conservation Service. This exhibit included a mixture of rip-rap, vegetation and interlocking blocks. He noted that one problem with interlocking blocks was when bushes were planted in the blocks, the water tended to undermine the root system. In order to use this material, you need to do some kind of grating or sloping. He noted that they were getting ready to send out a Shoreline Buffer Zone Restoration Plan for review.

Tommy discussed the Lake Murray Public Recreation areas and listed the following numbers: There are 16 Public Parks, 11 Future Parks, 23 Impromptu areas, 31 Public Marinas and Landings, 57 Private Marinas, and 65 islands open to the public (David Hancock noted that there are about 48 islands on the lake that are privately owned). Tommy pointed out that impromptu areas can be defined as areas at the end of a road where people could park and walk down to fish.

Discussions then began to center on Land Use classifications, to which Tommy noted that SCE&G is in the process of updating all of the classifications and submitting them to the FERC.

Easement Property was defined as property that SCE&G has sold down to 360. He noted that only about 12 percent is owned by individuals.

It was noted that buffer zones are shown by signs or paint to identify property line between an individual's property and SCE&G's. Tommy noted that it was an effective tool in reminding the property owner where the buffer zone was.

It was noted that fringe land is the property available for SCE&G to sell.

Bob Keener asked Tommy as to whether SCE&G was running into problems on the measurement of the 75 setback?

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Tommy Boozer replied that they had not. That is actually surveyed and it follows the contour, a horizontal distance.

Bob Keener then asked if it was understood by homeowners that it is measured horizontally.

Beth Trump noted that if SCE&G was going to sell, it is clearly marked.

Docks were discussed and it was noted that when they first started the inventory, there were 7800, and now there are over 9000. It was noted that all docks that were on the Lake before 1978, when they did survey, were grandfathered in, including docks with sitting areas on the end or middle of docks and boat houses. Tommy also noted that the dock permitting program is always changing.

David Hancock noted that SCE&G performs a shoreline inspection every year, meaning that they start an inventory and inspection of the docks that were built and permitted throughout the year and identify what has been built without a permit. They encouraged people to call if they notice something happening that they believe is not allowed.

Tommy presented a picture of an Environmentally Sensitive Area (ESA). Not all ESAs are restricted to the back of coves. Many are on open water.

Aquatic Plant Management was the next topic, and Tommy noted that *hydrilla* moved in in 1993 and then “exploded” during the drought. It was noted that treatments and drawdowns have been done to control it. Yellow primrose has encroached deeper in the past years but has started to die back.

A picture was shown of *hydrilla* infestation. It was noted that Cindy Aulbach Smith investigated *hydrilla* by diving, using an underwater camera, and rake in all the areas that traditionally had *hydrilla* and found that there was only a couple of short strands there.

It was noted that herbicide spraying is still an option in some areas, especially in public access areas.

In March 2003, they had 64,500 grass carp placed in areas around lake. Moreover, it was noted that they have been very successful in aquatic weed control.

David Hancock noted that the SMP is reviewed and changed every 5 years due to license requirements. He noted that they may ask for 10 year increments in the next license because sometimes it takes 5 years to get out the SMP, so they are constantly reviewing the SMP.

George Duke asked “Besides Tommy and David. Who deals with the lake?”

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Tommy replied that along with David Hancock and himself, staff included Curtis Stockman, Mary Ann Taylor, Mary Fitts (Secretary), and 4 other individuals do maintenance to public access areas.

George Duke then noted that “The Lake has expanded, but it doesn’t seem like you have grown.”

Randy Mahan replied that the technology has grown substantially, but he does agree that we may need more people out there.

Tommy Boozer noted that there are a couple things they need to look at. “Staffing has a lot to do with experience and we have been out there for many years. We are looking at the possibility of setting up more interaction between the communities. We need to promote information in community newsletters. You are never going to be able to stop violations, but property owners and neighbors can help. We are also looking at assessing more fees on the lake in order to pay for new staff and new equipment.”

Beth Trump also noted, “Land Management Group augments lake management groups. We are coming up with supplemental photography that will help bring information up quickly.”

The group asked “Is that information going to be on web?”

Beth Trump: “No, a lot of this information is not public.”

Bill Cutler asked: “What kind of outcomes are we shooting for and what features are we putting in place? If I understand it correctly, why I have to put in a buffer zone? I am more likely to follow the rules.”

Randy Mahan replied: “We are going to try to do better in public education in a number of areas.”

David Hancock noted: “LMA and other groups can also help out with education.”

Alan Stuart mentioned that one of the homework assignments needs to include thought on what presentations are needed in this group. It was noted that Lee’s presentation may be another option for the next group meeting or a presentation from the Natural Resource Conservation Service on buffer zones. The group agreed it was a good idea.

Bob Keener: “One concern I have is we talked about education. Tommy mentioned Harbor Watch several times and several years ago. I and some other people wrote to FERC about what happened there and FERC said you had to develop a shoreline renourishment plan. What has happened with

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that? I would be interested in seeing an update on those projects and what has been done. It is obvious that they have a lot on their plate.

Ron Ahle: "One thing that I have noticed is missing is success criteria or goals to be met in a time period. If you have that plan, it is easier to see what is expected and I can see us coming up with some good ideas on how to ensure that."

Tommy Boozer: "We are in the process of coming up with a plan that will be reviewed and we are going to address areas that had violations and bring other areas up to standard. It is a draft and it will be open for comment. We wanted to develop a plan that we could see the success in, and we need to get the backing of property owners and other folks to buy in."

David Hancock (in reference to Bob Keener's question above): "I can say that we have, and they have, planted thousands of trees within the last 5 years. A few have not survived, but lots have survived and we continue to plant."

The group then shifted gears to discuss the Operating Procedures. Alan noted that they prepared some draft Operating Procedures, upon which they received comments from SCCCL/Am. Rivers with 9 signatories. He also noted that one of SCCCL's recommendations was to form a procedural group. Alan mentioned that LMA had stated that they did not support an official group for procedures. Randy noted that he would rather develop an ad hoc group as needed instead of defining such a strict box from the beginning.

Randy Mahan: "If it comes down to it, and we need this committee, then we will by all means form an ad hoc group. However, let's not form such a tight box right away."

Alan also pointed out that there had been some confusion with the "parking lot". He noted that any discussion item placed in the parking lot would be addressed in some manner. He noted that a parking lot was put into place so that items irrelevant to the discussion topic would not disrupt the day. It was also noted that with regards to the media, you might speak on behalf of your organization; however, you are not permitted to speak on behalf of the Lake and Land Management Resource Conservation Group.

Randy Mahan: "I do not anticipate that the RCG will be putting out news releases. Minutes will be posted on the website. Any information that the individual wants, they can get from the website. Anyone can make a statement on their own behalf, but not on behalf of the RCG."

The group began to discuss the status of the Operating Procedures and it was noted that they were in the process of being revised to include new comments. They will be finalized in the next couple weeks. Patrick Moore requested that a definition section was included in the procedures.

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Steve Bell: "Since there will not be a procedural committee, are you still accepting comments?"

Randy Mahan: "Yes. However, they need to be submitted in a timely fashion."

Bill Cutler: "There is a specific rationale behind recommendations. I am firmly convinced that there are things regarding the nature of the process that can't be avoided. The comments that we submit express a formalization or framework. The issues are: who are stakeholders; what are the interests of the stakeholders; what is the picture of success; how are solution options generated; how are solution options evaluated; and having agreed upon it, what is the preferred solution and is that solution valid and why? I challenge you to take a look at the questions; omitting questions may have adverse consequences on the outcome."

Bill Marshall questioned whether the scope of this RCG was exclusively the lake or if downstream was included.

Randy Mahan noted that it included anything in or impacted by project, downstream included.

Bill Cutler: "What about outside the project, like runoff and such?"

Randy Mahan: "That is certainly an appropriate scope of inquiry for *someone*. My question is: is it an appropriate scope for the relicensing of a project? In terms of overall regional development, I am not sure that there is much we will have to deal with in licensing process."

The group briefly discussed whether or not to group the meetings by issue, in that fashion those who did not have an interest in downstream resources or such did not have to attend that meeting. Randy Mahan noted that he did not have a problem grouping the issues when it made logical sense to group the issues; however he noted that it was up to the committee to decide.

Bob Keener: "I think it is real important that those who are primarily oriented on the lake understand what goes on downstream, and if downstream oriented individuals understand lake issues, then hopefully, we can support each other and there will not have a us versus them syndrome."

The group agreed with Mr. Keener and decided that if necessary, at the end of an agenda, you can have it as an isolated item for discussion.

LUNCH BREAK

Round table discussion on goals people would like to see as a result of regulation.

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SCE&G noted that they would like to see a 10 year or so appropriate SMP review time period, unless something arises that needs to be addressed in the middle of a review process

Bill Cutler noted that he would like to see a robust product that is adaptable to changing realities.

Patrick Moore pointed out that he would like to see a full and comprehensive evaluation on what effects the water has on water levels in Broad and Congaree, a comprehensive analysis on the effects on downstream resources.

Amanda Hill noted on behalf of the USFWS, that they would like to see a completion of current SMP, per the June 23rd order.

Bill Argentieri replied: “We were discussing that the June 23rd order required submission to FERC, and what we have noted that some of those same issues are going to be discussed in this forum, but we need to send something to FERC in the interim. We are developing several plans that we are going to pass around to the agencies and we are submitting that to FERC. Not to say these plans won’t end up in the new plan we submit with the application.

Amanda Hill: “Sounds good. That is what we want to see.”

Randy Mahan: “What we are talking about is the sediment and erosion control program. We think it is going to meet current FERC obligation and, hopefully, agencies will think it is good enough for now, but it can still be improved on in the future.”

Randy Mahan: We may want a goal on developing the concepts on how to enforce violations and prevent people from ignoring. Maybe an education program.

Alan Stuart then led the group into discussions on what the ultimate goal of the group would be. George Duke mentioned that he would like to see the issues put into a “time machine” and their significance to the future looked at.

Ron Ahle noted: (to Alan Stuart) “A goal for this group is that we should be looking at the shoreline management plan and guidelines, and updating these to the current conditions of the lake and get a management plan that everyone can agree upon, that will be of benefit to the lake.”

Amanda Hill added: “And identify those things that are not in the existing plan and include them in the new plan.”

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Randy Mahan: “Then you have to define the appropriate elements in the plan related to various issues. Our goal is to get a settlement agreement.”

From this point, the group then worked on developing a mission statement. Bill Cutler noted that there were several items that should be included in the content of the mission statement, these included: the scope of the group, goal of the group, method of approach. Randy Mahan came up with a “strawman” draft mission statement and noted that they wanted to include all properties within the PBL upstream and downstream and all boundaries outside PBL that the project through its SMP could have a material impact on.

As an aside, Randall Shealy noted the following: “At some point, are we going to be talking about how it is not fair that Lexington and Richland counties get all of the tax breaks and the Newberry and Saluda have to keep things natural. You should come up with some sort of percentage that should be developed versus natural. It is not fair for the other counties. Split it by counties and go by so many buildings per shore mile, so much development per shore mile.

Ron Ahle noted: “That needed to happen 50 years ago. We would love to divide it out for each county and it is too late to do that.”

Randall replied: “[the past] can’t be changed, but you can say from this date forward [it will change].”

Randy Mahan: “I agree with you, but I agree that the challenge is to look at what we have left and look at that in a way that addresses all these issues including the unfairness to Saluda and Newberry. You only have a limited amount of shoreline left and you can’t have it completely balanced, but you can have a goal of trying to get as much consensus as possible. We are going to do the best we can.”

Back on the topic of the Mission Statement, Bill Cutler noted that one thing in the mission statement that wasn’t listed but implied, would be cooperating with the other RCGs.

The Agenda was the next discussion topic and Alan noted that Lee Xanthakos of SCE&G System Control has a very good presentation on the operation of Saluda. Tommy Boozer also noted that he would put a call into NRCS to see if they could give a presentation as well.

Alan Stuart noted that one Homework Assignment would include a review of the Study Requests (passed out in the meeting). Randy Mahan noted that SCE&G believes that they already have information for some of the requests and may only need to do a tabletop study.

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Randy also suggested a homework item include a review of operating procedures and ICD. He noted that the ICD has a lot of information that may have been missed previously; he also recommended that the group look at shoreline management plan book.

The group wrapped up discussions and the meeting was adjourned.

ADDITIONS AND/OR COMMENTS PROVIDED SUBSEQUENT TO THE MEETING:

*Regarding the discussion of Operating Procedures on Page 6, Bill Marshall noted the following:
The Lower Saluda Scenic River Advisory Council also submitted a letter to SCE&G recommending the formation of a procedural group.*

Cheryl Balitz

From: Alan Stuart
Sent: Monday, November 14, 2005 10:46 AM
To: 'Charlie Compton'
Cc: Alison Guth
Subject: RE: Lake and Land Management Resource Group - Lake Murray

Charlie,

We typically begin around 9:30 to accommodate those folks having to travel from the Charleston area. I suspect we'll begin around that time on December 8th. I have CC'd Alison Guth our licensing coordinator who'll make sure you are added to the master and distribution list for future mailings with respect to this resource group.

Look forward to seeing you on the 8th.

regards,
Alan

-----Original Message-----

From: Charlie Compton [mailto:ccompton@lex-co.com]
Sent: Monday, November 14, 2005 10:18 AM
To: Alan.Stuart@KleinschmidtUSA.com
Cc: Ron Scott
Subject: Lake and Land Management Resource Group - Lake Murray

Alan Stuart,

I am planning to attend meetings of the Lake and Land Management Resource Group as an additional representative from Lexington County. On December 8th I will be involved all morning leading a training program, so I may be late if it starts at 9:30am as it did on November 2nd. Let me know if you think it will extend into the afternoon.

Thanks,

Charlie Compton
Lexington County Planning Director
212 South Lake Drive
Lexington, South Carolina 29072
(803) 785-8121
ccompton@lex-co.com

Kacie Jensen

From: Alison Guth
Sent: Monday, November 14, 2005 3:55 PM
To: BARGENTIERI@scana.com; 'btrump@scana.com'; 'rbickley@lex-co.com'; Alan Stuart; 'Tony Bebber'; RMAHAN@scana.com; 'bill25@sc.rr.com'; 'bellsteve9339@bellsouth.net'; 'bigbillcutler@aol.com'; 'PatrickM@scccl.org'; 'ahler@dnr.sc.gov'; 'Amanda Hill'; 'mark_Leao@fws.gov'; 'pagec@dnr.sc.gov'; 'crafton@usit.net'; 'tufford@sc.edu'; 'dchristie@infoave.net'; 'tyle6544@bellsouth.net'; 'rkidder@pbtcomm.net'; 'royparker38@earthlink.net'; 'dhancock@SCANA.com'; 'RESKKEENER@PBTCOMM.Net'; 'BOOZER, THOMAS C'; 'ryanity@scana.com'; 'tpowers@newberrycounty.net'; 'kayakduke@bellsouth.net'; 'marshallb@dnr.sc.gov'; 'truple@sc.rr.com'; 'vhoffman@scana.com'; 'C. Andy Miller'; 'r1shealy@aol.com'
Subject: Lake and Land Management Meeting Notes

Good Afternoon,

I hope everyone is doing well. Attached to this email is a **draft** copy of the notes taken during the Lake and Land Management meeting held November 2nd. These are for your review, please let me know if they accurately reflect what you recall from the meeting. Please return comments, changes and questions to me by November 28th, if possible, so that I may finalize the document and post it to the website. Thanks again for your interest and involvement in regards to this issue.

Sincerely,

Alison Guth



2005-11-02 draft
Meeting Minut...

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MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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Alison Guth and Randy Mahan
- GIS Mapping:
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HOMEWORK ITEMS:

- Review Shoreline Management Plan Booklet
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- Presentation on the Operation of Saluda Hydro
Lee Xanthakos
- Discussion on Issues
- Further Discussion on Procedures

DATE OF NEXT MEETING: **December 8, 2005 at 9:30 a.m.
Located at the Lake Murray Training Center**

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He introduced Tommy Boozer as the presentation speaker and noted that a Mission Statement would be developed with the goals for the group a little later in the afternoon.

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Discussion then moved to excavations, in which David Hancock pointed out that the only time they allow excavation to take place was when the land was dry.

In a discussion on erosion prevention, Tommy showed examples of rip-rap and noted that it was beneficial because it was the easiest to install on the shoreline and probably the most inexpensive. He also pointed out that seawalls are only allowed on the 360. You are not allowed to do any earth-fill encroachments.

Looking at other alternatives, Tommy showed an exhibit done in conjunction with the National Resource Conservation Service. This exhibit included a mixture of rip-rap, vegetation and interlocking blocks. He noted that one problem with interlocking blocks was when bushes were planted in the blocks, the water tended to undermine the root system. In order to use this material, you need to do some kind of grating or sloping. He noted that they were getting ready to send out a Shoreline Restoration Plan for review.

Tommy discussed the Lake Murray Public Recreation areas and listed the following numbers: There are 16 Public Parks, 11 Future Parks, 23 Impromptu areas, 31 Public Marinas and Landings, 57 Private Marinas, and 65 islands open to the public (David Hancock noted that there are about 48 islands on the lake that are privately owned). Tommy pointed out that impromptu areas can be defined as areas at the end of a road where people could park and walk down to fish.

Discussions then began to center on Land Use classifications, to which Tommy noted that SCE&G is in the process of updating all of the classifications and submitting them to the FERC.

Easement Property was defined as property that SCE&G has sold down to 360. He noted that only about 12 percent is owned by individuals.

It was noted that buffer zones are shown by signs or paint to identify property line between an individual's property and SCE&G's. Tommy noted that it was an effective tool in reminding the property owner where the buffer zone was.

It was noted that fringe land is the property available for SCE&G to sell.

Bob Keener asked Tommy as to whether SCE&G was running problems on the measurement of the 75 setback?

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Tommy Boozer replied that they had not. That is actually surveyed and it follows the contour, a horizontal distance.

Bob Keener then asked if it was understood by homeowners that it is measured horizontally.

Beth Trump noted that if SCE&G was going to sell, it is clearly marked.

Docks were discussed and it was noted that when they first started the inventory, there was 7800, and now there are over 9000. It was noted that all docks that were on the Lake before 1978, when they did survey, were grandfathered in, including docks with sitting areas on the end or middle of docks and boat houses. Tommy also noted that the dock permitting program is always changing.

David Hancock noted that SCE&G performs a shoreline inspection every year, meaning that they start an inventory and inspection of the docks that were built and permitted throughout the year and identify what has been built without a permit. They encouraged people to call if they notice something happening that they believe is not allowed.

Tommy presented a picture of an Environmentally Sensitive Area (ESA). Not all ESAs are restricted to the back of coves. Many are on open water.

Aquatic Plant Management was the next topic, and Tommy noted that *hydrilla* moved in in 1993 and then “exploded” during the drought. It was noted that treatments and drawdowns have been done to control it. Yellow primrose has encroached deeper in the past years but has started to die back.

A picture was shown of *hydrilla* infestation. It was noted that Cindy Aulbach Smith investigated *hydrilla* by diving, using an underwater camera, and rake in all the areas that traditionally had *hydrilla* and found that there was only a couple of short strands there.

It was noted that herbicide spraying is still an option in some areas, especially in public access areas.

In March 2003, they had 6,450 grass carp placed in areas around lake. Moreover, it was noted that they have been very successful in aquatic weed control.

David Hancock noted that the SMP is reviewed and changed every 5 years due to license requirements. He noted that they may ask for 10 year increments in the next license because sometimes it takes 5 years to get out the SMP, so they are constantly reviewing the SMP.

George Duke asked “Besides Tommy and David. Who deals with the lake?”

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Tommy replied that along with David Hancock and himself, staff included Curtis Stockman, Mary Ann Taylor (Secretary), and 4 other individuals do maintenance to public access areas.

George Duke then noted that “The Lake has expanded, but it doesn’t seem like you have grown.”

Randy Mahan replied that the technology has grown substantially, but he does agree that we may need more people out there.

Tommy Boozer noted that there are a couple things they need to look. “Staffing has a lot to do with experience and we have been out there for many years. We are looking at the possibility of setting up more interaction between the communities. We need to promote information in community newsletters. You are never going to be able to stop violations, but property owners and neighbors can help. We are also looking at assessing more fees on the lake in order to pay for new staff and new equipment.”

Beth Trump also noted, “Land Management Group augments lake management groups. We are coming up with supplemental photography that will help bring information up quickly.”

The group asked “Is that information going to be on web?”

Beth Trump: “No, a lot of this information is not public.”

Bill Cutler asked: “What kind of outcomes are we shooting for and what features are we putting in place? If I understand it correctly, why I have to put in a buffer zone? I am more likely to follow the rules.”

Randy Mahan replied: “We are going to try to do better in public education in a number of areas.”

David Hancock noted: “LMA and other groups can also help out with education.”

Alan Stuart mentioned that one of the homework assignments needs to include thought on what presentations are needed in this group. It was noted that Lee’s presentation may be another option for the next group meeting or a presentation from the National Resource Conservation Service on buffer zones. The group agreed it was a good idea.

Bob Keener: “One concern I have is we talked about education. Tommy mentioned harbor watch several times and several years ago. I and some other people wrote to FERC about what happened there and FERC said you had to develop a shoreline renourishment plan. What has happened with

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that? I would be interested in seeing an update on those projects and what has been done. It is obvious that they have a lot on their plate.

Ron Ahle: “One thing that I have noticed is missing is success criteria or goals to be met in a time period. If you have that plan, it is easier to see what is expected and I can see us coming up with some good ideas on how to ensure that.”

Tommy Boozer: “We are in the process of coming up with a plan that will be reviewed and we are going to address areas that had violations and bring other areas up to standard. It is a draft and it will be open for comment. We wanted to develop a plan that we could see the success in, and we need to get the backing of property owners and other folks to buy in.”

David Hancock (in reference to Bob Keener’s question above): “I can say that we have, and they have, planted thousands of trees within the last 5 years. A few have not survived, but lots have survived and we continue to plant.”

The group then shifted gears to discuss the Operating Procedures. Alan noted that they prepared some draft Operating Procedures, upon which they received comments from SCCCL/Am. Rivers with 9 signatories. He also noted that one of SCCCL’s recommendations was to form a procedural group. Alan mentioned that LMA had stated that they did not support an official group for procedures. Randy noted that he would rather develop an ad hoc group as needed instead of defining such a strict box from the beginning..

Randy Mahan: “If it comes down to it, and we need this committee, then we will by all means form an ad hoc group. However, let’s not form such a tight box right away.”

Alan also pointed out that there had been some confusion with the “parking lot”. He noted that any discussion item placed in the parking lot would be addressed in some manner. He noted that a parking lot was put into place so that items irrelevant to the discussion topic would not disrupt the day. It was also noted that with regards to the media, you might speak on behalf of your organization; however, you are not permitted to speak on behalf of the Lake and Land Management Resource Conservation Group.

Randy Mahan: “I do not anticipate that the RCG will be putting out news releases. Minutes will be posted on the website. Any information that the individual wants, they can get from the website. Anyone can make a statement on their own behalf, but not on behalf of the RCG.”

The group began to discuss the status of the Operating Procedures and it was noted that they were in the process of being revised to include new comments. They will be finalized in the next couple weeks. Patrick Moore requested that a definition section was included in the procedures.

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Steve Bell: “Since there will not be a procedural committee, are you still accepting comments?”

Randy Mahan: “Yes. However, they need to be submitted in a timely fashion.”

Bill Cutler: “There is a specific rationale behind recommendations. I am firmly convinced that there are things regarding the nature of the process that can’t be avoided. The comments that we submit express a formalization or framework. The issues are: who are stakeholders; what are the interests of the stakeholders; what is the picture of success; how are solution options generated; how are solution options evaluated; and having agreed upon it, what is the preferred solution and is that solution valid and why? I challenge you to take a look at the questions; omitting questions may have adverse consequences on the outcome. “

An individual questioned whether the scope of this RCG was exclusively the lake or if downstream was included.

Randy Mahan noted that it included anything in or impacted by project, downstream included.

Bill Cutler: “What about outside the project, like runoff and such?”

Randy Mahan: “That is certainly an appropriate scope of inquiry for *someone*. My question is: is it an appropriate scope for the relicensing of a project? In terms of overall regional development, I am not sure that there is much we will have to deal with in licensing process.”

The group briefly discussed whether or not to group the meetings by issue, in that fashion those who did not have an interest in downstream resources or such did not have to attend that meeting. Randy Mahan noted that he did not have a problem grouping the issues when it made logical sense to group the issues; however he noted that it was up to the committee to decide.

Bob Keener: “I think it is real important that those who are primarily oriented on the lake understand what goes on downstream, and if downstream oriented individuals understand lake issues, then hopefully, we can support each other and there will not have a us versus them syndrome.

The group agreed with Mr. Keener and decided that if necessary, at the end of an agenda, you can have it as an isolated item for discussion.

LUNCH BREAK

Round table discussion on goals people would like to see as a result of regulation.

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SCE&G noted that they would like to see a 10 year or so appropriate SMP review time period, unless something arises that needs to be addressed in the middle of a review process

Bill Cutler noted that he would like to see a robust product that is adaptable to changing realities.

Patrick Moore pointed out that he would like to see a full and comprehensive evaluation on what effects the water has on water levels in Broad and Congaree, a comprehensive analysis on the effects on downstream resources.

Amanda Hill noted on behalf of the USFWS, that they would like to see a completion of current SMP, per the June 23rd order.

Bill Argentieri replied: “We were discussing that the June 23rd order required submission to FERC, and what we have noted that some of those same issues are going to be discussed in this forum, but we need to send something to FERC in the interim. We are developing several plans that we are going to pass around to the agencies and we are submitting that to FERC. Not to say these plans won’t end up in the new plan we submit with the application.

Amanda Hill: “Sounds good. That is what we want to see.”

Randy Mahan: “What we are talking about is the sediment and erosion control program. We think it is going to meet current FERC obligation and, hopefully, agencies will think it is good enough for now, but it can still be improved on in the future.”

Randy Mahan: We may want a goal on developing the concepts on how to enforce violations and prevent people from ignoring. Maybe an education program.

Alan Stuart then led the group into discussions on what the ultimate goal of the group would be. George Duke mentioned that he would like to see the issues put into a “time machine” and their significance to the future looked at.

Ron Ahle noted: (to Alan Stuart) “A goal for this group is that we should be looking at the shoreline management plan and guidelines, and updating these to the current conditions of the lake and get a management plan that everyone can agree upon, that will be of benefit to the lake.”

Amanda Hill added: “And identify those things that are not in the existing plan and include them in the new plan.”

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Randy Mahan: “Then you have to define the appropriate elements in the plan related to various issues. Our goal is to get a settlement agreement.”

From this point, the group then worked on developing a mission statement. Bill Cutler noted that there were several items that should be included in the content of the mission statement, these included: the scope of the group, goal of the group, method of approach. Randy Mahan came up with a “strawman” draft mission statement and noted that they wanted to include all properties within the PBL upstream and downstream and all boundaries outside PBL that the project through its SMP could have a material impact on.

As an aside, Randall Shealy noted the following: “At some point, are we going to be talking about how it is not fair that Lexington and Richland counties get all of the tax breaks and the Newberry and Saluda have to keep things natural. You should come up with some sort of percentage that should be developed versus natural. It is not fair for the other counties. Split it by counties and go by so many buildings per shore mile, so much development per shore mile.

Ron Ahle noted: “That needed to happen 50 years ago. We would love to divide it out for each county and it is too late to do that.”

Randall replied: “[the past] can’t be changed, but you can say from this date forward [it will change].”

Randy Mahan: “I agree with you, but I agree that the challenge is to look at what we have left and look at that in a way that addresses all these issues including the unfairness to Saluda and Newberry. You only have a limited amount of shoreline left and you can’t have it completely balanced, but you can have a goal of trying to get as much consensus as possible. We are going to do the best we can.”

Back on the topic of the Mission Statement, Bill Cutler noted that one thing in the mission statement that wasn’t listed but implied, would be cooperating with the other RCGs.

The Agenda was the next discussion topic and Alan noted that Lee Xanthakos of SCE&G System Control has a very good presentation on the operation of Saluda. Tommy Boozer also noted that he would put a call into NRCS to see if they could give a presentation as well.

Alan Stuart noted that one Homework Assignment would include a review of the Study Requests (passed out in the meeting). Randy Mahan noted that SCE&G believes that they already have information for some of the requests and may only need to do a tabletop study.

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Randy also suggested a homework item include a review of operating procedures and ICD. He noted that the ICD has a lot of information that may have been missed previously; he also recommended that the group look at shoreline management plan book.

The group wrapped up discussions and the meeting was adjourned.

From: Alison Guth
Sent: Tuesday, November 29, 2005 2:26 PM
To: Alan Stuart; Alison Guth; 'billeast@sc.rr.com'; 'marshallb@dnr.sc.gov'; 'flyhotair@greenwood.net'; 'tufford@sc.edu'; 'dchristie@infoave.net'; 'tyle6544@bellsouth.net'; 'kayakduke@bellsouth.net'; 'gjobsis@americanrivers.org'; 'Bkawasi@sc.rr.com'; 'Elymay2@aol.com'; 'mdmurr@sc.rr.com'; 'parkin@parkinhunter.com'; 'wwending@sc.rr.com'; 'PatrickM@scccl.org'; 'crafton@usit.net'; 'rkidder@pbtcomm.net'; 'RESKKEENER@PBTCOMM.Net'; 'ahler@dnr.sc.gov'; 'royparker38@earthlink.net'; 'r1shealy@aol.com'; 'bellsteve9339@bellsouth.net'; 'suzrhodes@juno.com'; 'tbrooks@newberrycounty.net'; 'truple@sc.rr.com'; 'tboozer@scana.com'; 'tbebber@scprt.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; BARGENTIERI@scana.com; 'btrump@scana.com'; 'rbickley@lex-co.com'; RMAHAN@scana.com; 'bill25@sc.rr.com'; 'bigbillcutler@aol.com'; 'amanda_hill@fws.gov'; 'mark_leao@fws.gov'; 'pagec@dnr.sc.gov'; 'dhancock@scana.com'; 'ryanity@scana.com'; 'tpowers@newberrycounty.net'; 'vhoffman@scana.com'; 'millerca@dhec.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'

Subject: Lake and Land Mgt RSVP and Notes
Good Afternoon All:

Attached is the Final copy of the Lake and Land Management Meeting Notes from November 2nd. Thanks to all of the members who were involved in providing comment for this set of notes. For those of you who are involved in other RCG's, you will be receiving several more draft sets of notes this week for those respective RCG's. I appreciate your patience in this process, as this process continues the notes will be issued back to you at a faster pace. Getting routines set up the first time is always the most time consuming.

Second item, I am in the process of setting up lunches for next week's meetings. If you know that you, or someone who is not on the list, is coming to the December 8th, meeting please let me know. I would hate to have too few lunches. Please let me know by December 1st. Thanks so much! Alison



FINAL NOTES Lake
and Land Mgt ...

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West Columbia, SC 29170
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Kacie Jensen

Subject: Updated: Lake and Land TWC - Natural Resource Values Sub-Committee
Location: Lake Murray Training Center - Room 103A

Start: Wed 12/20/2006 9:30 AM
End: Wed 12/20/2006 2:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake and Land - Natural Resource Values Sub Committee
Optional Attendees: 'ARGENTIERI, WILLIAM R'; 'Tony Bebber'; HANCOCK, DAVID E

Hello All,

Just a reminder that we will be having a Natural Resource Values Committee meeting on Wednesday, December 20th. If you have not already done so, please RSVP for this meeting by the close of business on Friday. Thanks, Alison

Previous Message:

Good Morning Natural Resource Committee,

From the emails that have been floating around, it appears that December 20th is the current date of choice for a meeting to review the strawman workplan that Ron is developing for land rebalancing. I have reserved a room at the training center from 9:30 to 2:00 (we can go longer if need be). Please let me know if you will be able to make it to this meeting. Thanks! Alison

Kacie Jensen

From: Alison Guth
Sent: Wednesday, December 13, 2006 12:21 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers; Tom Brooks
Subject: Final 11-21 Lake and Land TWC Notes

Hello All,

Attached are the final meeting notes from the Lake and Land TWC meeting on November 21. Thanks, Alison



2006-11-21 Final
Meeting Minut...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Final acg 12-13-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates
Tommy Boozer, SCE&G
Dick Christie, SCDNR
Roy Parker, LMA
Steve Bell, Lake Watch
Van Hoffman, SCANA
Tony Bebber, SCPRT

Bill Argentieri, SCE&G
George Duke, LMHOC
Ron Ahle, SCDNR
Trisha Priester, Lexington Co.
David Hancock, SCE&G
John Frick, landowner
Joy Downs, LMA

HOMEWORK:

- Tommy, David – Contact Orbis to determine if fringeland dimensions and characteristics currently available (lengths, depths, acreage, ft. of ESA, PBL to 360', Min width, max width, mean width) as well as number the land parcels
- Van - Develop Economics Resource Group Strawman Workplan
- Ron A. – Develop Natural Resources Group Strawman Workplan
- John F. – Back property values strawman

DATE OF NEXT MEETING: **January 17, 2006 at 9:30 a.m.**
Located at Lake Murray Training Center

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Review of Rebalancing Goal Statement and Criteria

Alan Stuart welcomed the group and noted that today the group would work on developing a mission statement for rebalancing. Ron Ahle noted that he had completed this strawman as a homework assignment from the last meeting. The group reviewed the strawman interactively and Ron explained the reasoning behind his mission statement. He pointed out that he had divided it into three parts: The Issue, The Task, and The Goal. He noted that he has initially removed the private values from the list of Evaluation Criteria because he believes that in the first sweep the group should look at the public values. He continued to explain that the group would re-visit the

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SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT TWC

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private values during a second evaluation of the lands. There was some concern expressed that public and private values could not be separated. John Frick explained that there are instances where there is insufficient fringeland and suggested that it could be possible to work with the back property owners. Ron noted that items like this would be evaluated second. The group was generally agreeable to the Mission Statement that Ron had drafted (attached below).

Group Discussion of Scoring Criteria

Ron also discussed his concept of scoring the land parcels. He suggested that land parcels will be ranked based on quantitative or qualitative values developed by the group. Ron pointed out that under his method of scoring, the parcels of land would each receive a score (1-poor; 3 – good; 5 – excellent) for each one of the criteria. The sum of the points would subsequently be added up to achieve a final grade for that parcel. Ron explained that this method of scoring worked well because of the many variables that were being evaluated.

Tommy Boozer asked if the evaluation of lands could be accomplished through aerial photography rather than extensive field work. Ron replied that he believed that aerial photography would be an acceptable means of evaluation and the group agreed.

Evaluation Criteria Review

Ron began to review the revised list of evaluation criteria. He explained that a few items from the original list were combined, such as continuity and adjacency, and ESA's and Conservation Areas. Trisha Priester noted that it may still be necessary to keep zoning issues in the revised list. Tommy pointed out that the majority of the land that was being reviewed was below the 360', which is not affected by zoning. Ron agreed and noted that zoning may be something that the group looks at along with the private values. The group decided that a discussion on zoning issues would be a parking lot item to discuss at a later point.

Ron continued to explain why some items were not included in the first list. He also explained that his vision for this process would be to eventually see many more fringelands with similar protection to that of Forest and Game Management. The group began to discuss that there may be land swaps with current Forest and Game Lands. Van Hoffman suggested that the group take a conservation easement type of approach with trades of lands on the upper Saluda or lands outside the PBL. Alan noted that the FERC only has responsibility within the project boundary. Subsequently, there may be recommendations that this group makes for land swaps that the FERC cannot agree to in a settlement agreement. The group agreed that this would be discussed further when looking at options that they had in the "toolbox".

In a continuation of discussions on the evaluation criteria, Ron noted that each value will be defined so that one can score a parcel of land quickly and easily. For example, Ron noted general habitat

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quality could be defined so that a score of 5 will be naturally forested, a pine monoculture would receive a 3 and if there was no vegetation it would receive a 1. There was also some discussion on how recreation values would be assessed. Tony Bebbler noted that in many places public access is needed more than boat ramps and such. Tommy reminded the group that information on where future recreation areas are needed will come out of the Recreation Surveys.

After lunch the group came to some conclusions on how the criteria should be dealt with. Alan proposed that the group be divided into two subcommittees, the Natural Resource Values Subcommittee, and the Economic Value Subcommittee. Alan continued to explain that the groups would function independently of one another during the scoring process and come back together at the end to compare their scorings of the parcels of land

Alan noted that initially the groups would meet separately to develop their workplans and swap the plans with the other group for comment. Alan continued to explain that recreation would be evaluated separately under each committee. He explained that the Natural Resource committee would evaluate land parcels based on passive recreation, while the Economic committee would evaluate active recreation. Ron further explained that passive recreation can be viewed as recreation that does not change the character of the land (e.g. hiking trails), while active recreation changes the character of the land (e.g. boat ramps). Alan asked Tony if he was agreeable to the way in which the recreation was separated. Tony noted that it appeared acceptable to him. Dick noted that ESAs may be evaluated differently on each committee. He noted that an ESA may charge negatively against the overall score of the land on the Economic committee, while positively toward the Natural Resource Committee.

Group Assignments:

The group members were assigned to the following positions and everyone agreed that they were content with their standings on the committees.

Natural Resource Value Sub-Committee

SCE&G (David Hancock)
SCDNR (Ron Ahle)
USFWS
Steve Bell
Joy Downs
Tony Bebbler

Economic Value Sub-committee

SCE&G (Tommy Boozer)
SCANA (Van Hoffman)
Roy Parker
John Frick
George Duke
Counties (Newberry, Saluda, Lexington,
Richland)

After some discussion the TWC came up with the following Actions List for the groups.

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1. Each group will separately develop Workplan/Criteria Descriptions/Scoring Mechanisms through email and conference calls and/or meetings.
2. Both groups will meet back at the Training Center on January 17th.
 - They will meet separately in the morning to finalize their workplans
 - Both groups will come back together in the afternoon to compare and comment on workplans
3. Groups will then view aerial maps to develop initial scoring for land parcels.
4. Orbis will then come in separately for each group to go over land parcels and the groups will subsequently score each parcel (possibly 2 days for each group).
5. TWC will meet back together as a whole to compare scorings on land parcels

Additional Tools and Homework Assignments:

The TWC noted that a homework item for Orbis would be to assign numbers to each of the parcels, as well as identify the characteristics of the parcels (lengths, depths, acreage, ft. of ESA, PBL to 360', Min width, max width, mean width). Ron noted that he would begin drafting the strawman workplan for the Natural Resource Group, while Van Hoffman noted that he would begin developing the strawman for the Economics Group.

In a discussion on what tools were needed for the upcoming meetings, Joy noted that it may be beneficial to have the radius maps for the marinas. David Hancock also suggested having a few maps depicting land parcels that the group could run through as a scoring exercise. Also, for scoring consistency, the TWC noted that each of the groups will score land based on a 1 to 5 scale. The group will also begin by looking at future development lands. John Frick noted that he would work on developing a way to incorporate the value of land to the back property owners with and without designated fringeland in front of their property.

Group adjourned

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**SCE&G Carolina Research Park
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Mission Statement

Issue: Thirty percent of the project fringelands are currently being managed for wildlife and silvaculture. Approximately half of that (15%) is currently classified as future development lands. The remaining 70% of project lands have been sold and/or converted to other uses. The question is how much of the project fringelands need to be set aside for public uses?

Task: In order to understand the public values of the remaining future development lands, it is the task of the TWC to assess these values considering the following factors:

Future Development Land Guidelines

Natural Resource Value Sub-Committee

SCE&G (David Hancock)
SCDNR (Ron Ahle)
USFWS

Steve Bell
Joy Downs
Tony Bebber

Economic Value Sub-committee

SCE&G (Tommy Boozer)
SCANA (Van Hoffman)
Counties (Newberry, Saluda, Lexington,
Richland)

Roy Parker
John Frick
George Duke

General habitat quality
Tract Size
Fish spawning & nursery habitat
Length of undeveloped shoreline
Depth of Fringeland
Waterfowl hunting
Habitat in surrounding region
Aesthetics
Passive Recreation
Adjacency
ESA's & Cons areas
Endangered Species
Topography (slope)

Length of Fringeland
Depth of Fringeland
Active Recreation
Property Value
Development Potential
Economic
ESA
Conservation Areas

Information to be provided by Orbis for each Fringeland tract:

Identify each tract by a designation number or letter

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Carolina Research Park
November 21, 2006*

Final acg 12-13-06

Length of shoreline
Acreage
Feet of ESA
PBL to 360 contour line
Minimum/Maximum/Mean Width of tract

Once public resource values have been identified, it is the task of the TWC to find ways to protect these values while considering the needs of SCE&G and the back property owners.

- Back property owners
- Continuity
- Development pressure
- Zoning (Density)
- Economics

Goal: The goal is to protect public resources values of project lands in accordance with the Federal Power Act through rebalancing and other shoreline classification modifications and restrictions.

Kacie Jensen

Subject: Updated: Economics Values Sub-Committee - Lake and Land TWC
Location: SCE&G Maintenance Facility - Bush River Rd

Start: Tue 12/12/2006 9:30 AM
End: Tue 12/12/2006 2:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake and Land - Economic Resource Values Subcommittee
Optional Attendees: 'BOOZER, THOMAS C'; 'HOFFMAN, VAN B'; 'MAHAN, RANDOLPH R'; ARGENTIERI, WILLIAM R

Dear Economic Values Sub-Committee,

Just a reminder that we have a Sub-Committee meeting next **Tuesday, December 12th at 9:30**. Please remember that this is at the **SCE&G Maintenance Facility, off of Bush River Rd** (the same location as Saluda Hydro and McMeekin). There will be someone there to meet you at the gate, so please be on time. If you do arrive late, give my cell phone a call at (864) 906-4119 and someone will come to let you in. Thanks! Alison

*Previous Message:
Hello Economics Group,*

There were discussions at the Lake and Land TWC meeting that the Economics group would meet to discuss the Strawman Workplan for land rebalancing before finalization on January 17th. The original date that was chosen was Dec. 14th, however, due to conflicts with other meetings it has been requested that the meeting date be changed to the 12th. Please RSVP by December 1st so that we can work out the details of the meeting. Thanks! Alison

Kacie Jensen

From: Alison Guth
Sent: Wednesday, December 06, 2006 4:36 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scrpt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers; Tom Brooks
Subject: Final Meeting Notes From 10-31

Hello all,

Attached is the final set of meeting notes from the Lake and Land TWC meeting on 10-31. Thanks, Alison



2006-10-31 Final
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Final acg 12-6-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates
Tommy Boozer, SCE&G
Dick Christie, SCDNR
Roy Parker, LMA
Steve Bell, Lake Watch
Van Hoffman, SCANA
Tony Bebber, SCPRT

Bill Argentieri, SCE&G
George Duke, LMHOC
Ron Ahle, SCDNR
Rhett Bickley, Lexington Co.
David Hancock, SCE&G
John Frick, landowner
Amanda Hill, USFWS

HOMEWORK:

- Tommy, David and Van – GIS map depicting width of fringelands
- DNR – Develop Goal/Mission Statement for land rebalancing
- Entire Group – To review Evaluation Criteria and possible ways of scoring

DATE OF NEXT MEETING:

**November 21, 2006 at 9:30 a.m.
Located at Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Fringeland Presentation:

Alan Stuart opened the meeting and noted that Van Hoffman would be providing the group with a presentation on fringelands. The group viewed the presentation which included various examples of land parcels around Lake Murray. Van included aerial shots that depicted how the 100 ft setback could affect the fringeland. Van also showed the group examples of land that includes conservation areas, such as shallow water habitat.

The group discussed the sale of fringelands. Ron Ahle noted that the intrinsic values that the Lake provides need to be kept in perspective when looking at potential reclassification. These include the back property owners interests, wildlife interests, and development interests, among others. The group discussed some of the limitations involved with areas of fringeland that are less than 75 ft. It

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was explained that SCE&G cannot sell fringelands that are less than 75 ft, however it can be possible to permit a dock in those areas. There was also brief discussion regarding some incentives for widening buffer zones.

After his presentation, Van noted that Lexington County was working on new sediment control measures. He explained that Lexington County may come in to discuss this and provide a presentation to the TWC.

Presentation on Rebalancing:

After lunch, Ron Ahle began his presentation entitled Rebalancing of Shoreline Uses on Lake Murray: The DNR's Perspective. The group reviewed the values of the shoreline and the benefits of riparian setbacks. Ron explained that there may be other ways for managing the 75 ft setbacks which include: a widening to 100ft, increasing the no clearing zone, maintaining a closed canopy by replacing diseased or hazardous trees, increase penalties and fines, improve educational outreach, and involve stakeholders in monitoring. Ron also noted his concern at allowing docks in shallow coves. Tommy Boozer noted that if an area is identified as shallow cove, SCE&G does not allow the individual to dredge.

During the presentation, the group also looked at easement properties with ESA's. Ron noted that they had concerns that the selling of ESA land with development behind it will eventually lead to the reduction of habitat. Ron also presented the group with DNR's selection criteria for the protection of lands that included the following:

- General habitat quality
- Fish spawning and nursery habitat
- Length and depth of undeveloped shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values
- Adjacency

The group then began to discuss the rebalancing efforts by DNR and SCE&G, and the proposals that were made. Ron noted that the above stated criteria was used by DNR when making the proposal, and choices were not made based on the back property owner. He also noted that longer stretches of land are desirable because there are certain values that are lost with smaller stretches.

Other Information Needs:

Ron concluded his presentation and Alan asked if there were any more presentations that were desired by the group before intensive rebalancing discussions. The group noted that although there

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were no more presentations needed, there were several information needs that existed. Ron noted that a map depicting the widths of the fringelands would be a necessary tool during rebalancing discussions. Tommy noted that they would work on using the current GIS to put together these maps as best as possible. Ron noted that they would only need to include the future development lands that can be sold.

Rebalancing Evaluation Criteria:

The group then noted that they would develop a list of evaluation criteria, similar to DNR's, to use when evaluating land. Interactively, the group developed the following list of general criteria that will be refined later:

Evaluation Criteria:

- General habitat quality
- Fish Spawning and nursery habitat
- Length of undeveloped shoreline
- Depth of undeveloped Shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values, public use and access
- Adjacency
- Back property owners
- ESA's
- Conservation areas
- Continuity
- Development pressure
- Zoning (Density)
- Economics
- Endangered Species (federal, or state)
- Unique habitat
- Water Quality

The group considered what other tools were needed for discussions on rebalancing. Dick noted that it would be important to make sure all the keys to the maps were correct. Tommy noted that they would be. Steve Bell also noted that he would like to look at all the properties that DNR and the USFWS identified individually. The group noted that at an upcoming meeting they would look at the areas one by one using the evaluation criteria that they developed. Tommy noted that they would have Orbis come in to project the maps so that the group could view them. DNR also

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pointed out that they had a set of ESA maps with the classifications listed that they would bring to the meeting.

Discussion Review:

The group decided that at the next meeting they would refine the Evaluation Criteria to a list that was more workable. The group would also consider a method of scoring areas of land based on the Evaluation Criteria. DNR noted that they would work on developing a scoring mechanism as a homework item, and Alan encouraged the whole group to consider scoring options before the next meeting. The group noted that the first areas that they would consider for rebalancing would be Future Development, which would consist of approximately 102 miles of shoreline.

Alan pointed out that it would be important for the group to have a goal statement that would guide the group through rebalancing. DNR was tasked with developing a strawman of a goal statement for the next meeting. Van also briefly touched on the economic benefits of the fringelands with the group. Van explained that the fringelands were important to the company in that the money from their sales is placed into other acquisitions so that it does not have to be borrowed. He further noted that their primary use is to set up 10-31 land exchanges to buy substation sites. Van noted that this helps to keep rates down and the company also earns a return off of the basis.

The group concluded the meeting and reviewed the action items. Tommy noted that when the group began to review the maps with Orbis it may be best to have a meeting two days in a row. The group agreed. The next meeting date was set for November 21 at the Lake Murray Training Center.

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Bob Keener, LMA & LMSCA
Beth Trump, SCE&G
Randy Mahan, SCANA Services
George Duke, LMHC
Mark Leao, USFWS
Chris Page, SCDNR
Ralph Crafton, LMA
Dan Tufford, USC
Dick Christie, SCDNR
Don Tyler, LMA & LMHC
Richard Kidder, LMA
Roy Parker, LMA
Tim Flach, The State (observer)

Robert Yanity, SCE&G
Bill Marshall, SCDNR & LSSRAC
Tom Ruple, LMA
Van Hoffman, SCANA Services
Andy Miller, SCDHEC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Patrick Moore, SCCCL & Am. Rivers
Teresa Powers, Newberry Co.
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Beth Trump, SCE&G
Rhett Bickley, Lexington Co.
Tony Bebbler, SCPRT
Bill Mathias, LMA & Lake Murray Power Squadron

DATE: November 2, 2005

ACTION ITEMS:

- Outline of SMP guidelines/Land Use:
Tommy Boozer and Randy Mahan
- Draft Mission Statement:
Alison Guth and Randy Mahan
- GIS Mapping:
Tommy Boozer and David Hancock
- Multi-slip dock application on SCANA website with link to relicensing website.
Alison Guth

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anymore. Tommy then gave an example of an SCE&G permitted water removal system and noted that they were for irrigation use only.

Discussion then moved to excavations, in which David Hancock pointed out that the only time they allow excavation to take place was when the land was dry.

In a discussion on erosion prevention, Tommy showed examples of rip-rap and noted that it was beneficial because it was the easiest to install on the shoreline and probably the most inexpensive. He also pointed out that seawalls are only allowed on the 360-foot elevation. You are not allowed to do any earth-fill encroachments.

Looking at other alternatives, Tommy showed an exhibit done in conjunction with the National Resource Conservation Service. This exhibit included a mixture of rip-rap, vegetation and interlocking blocks. He noted that one problem with interlocking blocks was when bushes were planted in the blocks, the water tended to undermine the root system. In order to use this material, you need to do some kind of grating or sloping. He noted that they were getting ready to send out a Shoreline Buffer Zone Restoration Plan for review.

Tommy discussed the Lake Murray Public Recreation areas and listed the following numbers: There are 16 Public Parks, 11 Future Parks, 23 Impromptu areas, 31 Public Marinas and Landings, 57 Private Marinas, and 65 islands open to the public (David Hancock noted that there are about 48 islands on the lake that are privately owned). Tommy pointed out that impromptu areas can be defined as areas at the end of a road where people could park and walk down to fish.

Discussions then began to center on Land Use classifications, to which Tommy noted that SCE&G is in the process of updating all of the classifications and submitting them to the FERC.

Easement Property was defined as property that SCE&G has sold down to 360. He noted that only about 12 percent is owned by individuals.

It was noted that buffer zones are shown by signs or paint to identify property line between an individual's property and SCE&G's. Tommy noted that it was an effective tool in reminding the property owner where the buffer zone was.

It was noted that fringe land is the property available for SCE&G to sell.

Bob Keener asked Tommy as to whether SCE&G was running into problems on the measurement of the 75 setback?

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Tommy Boozer replied that they had not. That is actually surveyed and it follows the contour, a horizontal distance.

Bob Keener then asked if it was understood by homeowners that it is measured horizontally.

Beth Trump noted that if SCE&G was going to sell, it is clearly marked.

Docks were discussed and it was noted that when they first started the inventory, there were 7800, and now there are over 9000. It was noted that all docks that were on the Lake before 1978, when they did survey, were grandfathered in, including docks with sitting areas on the end or middle of docks and boat houses. Tommy also noted that the dock permitting program is always changing.

David Hancock noted that SCE&G performs a shoreline inspection every year, meaning that they start an inventory and inspection of the docks that were built and permitted throughout the year and identify what has been built without a permit. They encouraged people to call if they notice something happening that they believe is not allowed.

Tommy presented a picture of an Environmentally Sensitive Area (ESA). Not all ESAs are restricted to the back of coves. Many are on open water.

Aquatic Plant Management was the next topic, and Tommy noted that *hydrilla* moved in in 1993 and then “exploded” during the drought. It was noted that treatments and drawdowns have been done to control it. Yellow primrose has encroached deeper in the past years but has started to die back.

A picture was shown of *hydrilla* infestation. It was noted that Cindy Aulbach Smith investigated *hydrilla* by diving, using an underwater camera, and rake in all the areas that traditionally had *hydrilla* and found that there was only a couple of short strands there.

It was noted that herbicide spraying is still an option in some areas, especially in public access areas.

In March 2003, they had 64,500 grass carp placed in areas around lake. Moreover, it was noted that they have been very successful in aquatic weed control.

David Hancock noted that the SMP is reviewed and changed every 5 years due to license requirements. He noted that they may ask for 10 year increments in the next license because sometimes it takes 5 years to get out the SMP, so they are constantly reviewing the SMP.

George Duke asked “Besides Tommy and David. Who deals with the lake?”

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Tommy replied that along with David Hancock and himself, staff included Curtis Stockman, Mary Ann Taylor, Mary Fitts (Secretary), and 4 other individuals do maintenance to public access areas.

George Duke then noted that “The Lake has expanded, but it doesn’t seem like you have grown.”

Randy Mahan replied that the technology has grown substantially, but he does agree that we may need more people out there.

Tommy Boozer noted that there are a couple things they need to look at. “Staffing has a lot to do with experience and we have been out there for many years. We are looking at the possibility of setting up more interaction between the communities. We need to promote information in community newsletters. You are never going to be able to stop violations, but property owners and neighbors can help. We are also looking at assessing more fees on the lake in order to pay for new staff and new equipment.”

Beth Trump also noted, “Land Management Group augments lake management groups. We are coming up with supplemental photography that will help bring information up quickly.”

The group asked “Is that information going to be on web?”

Beth Trump: “No, a lot of this information is not public.”

Bill Cutler asked: “What kind of outcomes are we shooting for and what features are we putting in place? If I understand it correctly, why I have to put in a buffer zone? I am more likely to follow the rules.”

Randy Mahan replied: “We are going to try to do better in public education in a number of areas.”

David Hancock noted: “LMA and other groups can also help out with education.”

Alan Stuart mentioned that one of the homework assignments needs to include thought on what presentations are needed in this group. It was noted that Lee’s presentation may be another option for the next group meeting or a presentation from the Natural Resource Conservation Service on buffer zones. The group agreed it was a good idea.

Bob Keener: “One concern I have is we talked about education. Tommy mentioned Harbor Watch several times and several years ago. I and some other people wrote to FERC about what happened there and FERC said you had to develop a shoreline renourishment plan. What has happened with

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that? I would be interested in seeing an update on those projects and what has been done. It is obvious that they have a lot on their plate.

Ron Ahle: "One thing that I have noticed is missing is success criteria or goals to be met in a time period. If you have that plan, it is easier to see what is expected and I can see us coming up with some good ideas on how to ensure that."

Tommy Boozer: "We are in the process of coming up with a plan that will be reviewed and we are going to address areas that had violations and bring other areas up to standard. It is a draft and it will be open for comment. We wanted to develop a plan that we could see the success in, and we need to get the backing of property owners and other folks to buy in."

David Hancock (in reference to Bob Keener's question above): "I can say that we have, and they have, planted thousands of trees within the last 5 years. A few have not survived, but lots have survived and we continue to plant."

The group then shifted gears to discuss the Operating Procedures. Alan noted that they prepared some draft Operating Procedures, upon which they received comments from SCCCL/Am. Rivers with 9 signatories. He also noted that one of SCCCL's recommendations was to form a procedural group. Alan mentioned that LMA had stated that they did not support an official group for procedures. Randy noted that he would rather develop an ad hoc group as needed instead of defining such a strict box from the beginning.

Randy Mahan: "If it comes down to it, and we need this committee, then we will by all means form an ad hoc group. However, let's not form such a tight box right away."

Alan also pointed out that there had been some confusion with the "parking lot". He noted that any discussion item placed in the parking lot would be addressed in some manner. He noted that a parking lot was put into place so that items irrelevant to the discussion topic would not disrupt the day. It was also noted that with regards to the media, you might speak on behalf of your organization; however, you are not permitted to speak on behalf of the Lake and Land Management Resource Conservation Group.

Randy Mahan: "I do not anticipate that the RCG will be putting out news releases. Minutes will be posted on the website. Any information that the individual wants, they can get from the website. Anyone can make a statement on their own behalf, but not on behalf of the RCG."

The group began to discuss the status of the Operating Procedures and it was noted that they were in the process of being revised to include new comments. They will be finalized in the next couple weeks. Patrick Moore requested that a definition section was included in the procedures.

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Steve Bell: "Since there will not be a procedural committee, are you still accepting comments?"

Randy Mahan: "Yes. However, they need to be submitted in a timely fashion."

Bill Cutler: "There is a specific rationale behind recommendations. I am firmly convinced that there are things regarding the nature of the process that can't be avoided. The comments that we submit express a formalization or framework. The issues are: who are stakeholders; what are the interests of the stakeholders; what is the picture of success; how are solution options generated; how are solution options evaluated; and having agreed upon it, what is the preferred solution and is that solution valid and why? I challenge you to take a look at the questions; omitting questions may have adverse consequences on the outcome. "

Bill Marshall questioned whether the scope of this RCG was exclusively the lake or if downstream was included.

Randy Mahan noted that it included anything in or impacted by project, downstream included.

Bill Cutler: "What about outside the project, like runoff and such?"

Randy Mahan: "That is certainly an appropriate scope of inquiry for *someone*. My question is: is it an appropriate scope for the relicensing of a project? In terms of overall regional development, I am not sure that there is much we will have to deal with in licensing process."

The group briefly discussed whether or not to group the meetings by issue, in that fashion those who did not have an interest in downstream resources or such did not have to attend that meeting. Randy Mahan noted that he did not have a problem grouping the issues when it made logical sense to group the issues; however he noted that it was up to the committee to decide.

Bob Keener: "I think it is real important that those who are primarily oriented on the lake understand what goes on downstream, and if downstream oriented individuals understand lake issues, then hopefully, we can support each other and there will not have a us versus them syndrome.

The group agreed with Mr. Keener and decided that if necessary, at the end of an agenda, you can have it as an isolated item for discussion.

LUNCH BREAK

Round table discussion on goals people would like to see as a result of regulation.

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SCE&G noted that they would like to see a 10 year or so appropriate SMP review time period, unless something arises that needs to be addressed in the middle of a review process

Bill Cutler noted that he would like to see a robust product that is adaptable to changing realities.

Patrick Moore pointed out that he would like to see a full and comprehensive evaluation on what effects the water has on water levels in Broad and Congaree, a comprehensive analysis on the effects on downstream resources.

Amanda Hill noted on behalf of the USFWS, that they would like to see a completion of current SMP, per the June 23rd order.

Bill Argentieri replied: “We were discussing that the June 23rd order required submission to FERC, and what we have noted that some of those same issues are going to be discussed in this forum, but we need to send something to FERC in the interim. We are developing several plans that we are going to pass around to the agencies and we are submitting that to FERC. Not to say these plans won’t end up in the new plan we submit with the application.

Amanda Hill: “Sounds good. That is what we want to see.”

Randy Mahan: “What we are talking about is the sediment and erosion control program. We think it is going to meet current FERC obligation and, hopefully, agencies will think it is good enough for now, but it can still be improved on in the future.”

Randy Mahan: We may want a goal on developing the concepts on how to enforce violations and prevent people from ignoring. Maybe an education program.

Alan Stuart then led the group into discussions on what the ultimate goal of the group would be. George Duke mentioned that he would like to see the issues put into a “time machine” and their significance to the future looked at.

Ron Ahle noted: (to Alan Stuart) “A goal for this group is that we should be looking at the shoreline management plan and guidelines, and updating these to the current conditions of the lake and get a management plan that everyone can agree upon, that will be of benefit to the lake.”

Amanda Hill added: “And identify those things that are not in the existing plan and include them in the new plan.”

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Randy Mahan: “Then you have to define the appropriate elements in the plan related to various issues. Our goal is to get a settlement agreement.”

From this point, the group then worked on developing a mission statement. Bill Cutler noted that there were several items that should be included in the content of the mission statement, these included: the scope of the group, goal of the group, method of approach. Randy Mahan came up with a “strawman” draft mission statement and noted that they wanted to include all properties within the PBL upstream and downstream and all boundaries outside PBL that the project through its SMP could have a material impact on.

As an aside, Randall Shealy noted the following: “At some point, are we going to be talking about how it is not fair that Lexington and Richland counties get all of the tax breaks and the Newberry and Saluda have to keep things natural. You should come up with some sort of percentage that should be developed versus natural. It is not fair for the other counties. Split it by counties and go by so many buildings per shore mile, so much development per shore mile.

Ron Ahle noted: “That needed to happen 50 years ago. We would love to divide it out for each county and it is too late to do that.”

Randall replied: “[the past] can’t be changed, but you can say from this date forward [it will change].”

Randy Mahan: “I agree with you, but I agree that the challenge is to look at what we have left and look at that in a way that addresses all these issues including the unfairness to Saluda and Newberry. You only have a limited amount of shoreline left and you can’t have it completely balanced, but you can have a goal of trying to get as much consensus as possible. We are going to do the best we can.”

Back on the topic of the Mission Statement, Bill Cutler noted that one thing in the mission statement that wasn’t listed but implied, would be cooperating with the other RCGs.

The Agenda was the next discussion topic and Alan noted that Lee Xanthakos of SCE&G System Control has a very good presentation on the operation of Saluda. Tommy Boozer also noted that he would put a call into NRCS to see if they could give a presentation as well.

Alan Stuart noted that one Homework Assignment would include a review of the Study Requests (passed out in the meeting). Randy Mahan noted that SCE&G believes that they already have information for some of the requests and may only need to do a tabletop study.

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Randy also suggested a homework item include a review of operating procedures and ICD. He noted that the ICD has a lot of information that may have been missed previously; he also recommended that the group look at shoreline management plan book.

The group wrapped up discussions and the meeting was adjourned.

ADDITIONS AND/OR COMMENTS PROVIDED SUBSEQUENT TO THE MEETING:

*Regarding the discussion of Operating Procedures on Page 6, Bill Marshall noted the following:
The Lower Saluda Scenic River Advisory Council also submitted a letter to SCE&G recommending the formation of a procedural group.*

Kacie Jensen

From: Alison Guth
Sent: Monday, November 27, 2006 1:49 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; John Frick (jsfrick@mindspring.com); Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler; George Duke; Kim Westbury; Theresa Powers (tpowers@newberrycounty.net)
Subject: Draft Lake and Land TWC Notes - Nov 21

Hello All,

Attached are the meeting notes from the Nov. 21 Lake and Land TWC. Please have any changes or additions back to me by December 11th for finalization. Thank You! Alison



2006-11-21 draft
Meeting Minut...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Draft acg 11-22-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	George Duke, LMHOC
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Dick Christie, SCDNR	Trisha Priestler, Lexington Co.
Roy Parker, LMA	David Hancock, SCE&G
Steve Bell, Lake Watch	John Frick, landowner
Van Hoffman, SCANA	Joy Downs, LMA
Tony Bebbler, SCPRT	

HOMEWORK:

- Tommy, David – Contact Orbis to determine if fringeland dimensions and characteristics currently available (lengths, depths, acreage, ft. of ESA, PBL to 360', Min width, max width, mean width) as well as number the land parcels
- Van - Develop Economics Resource Group Strawman Workplan
- Ron A. – Develop Natural Resources Group Strawman Workplan
- John F. – Back property values strawman

DATE OF NEXT MEETING: **January 17, 2006 at 9:30 a.m.
Located at Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Review of Rebalancing Goal Statement and Criteria

Alan Stuart welcomed the group and noted that today the group would work on developing a mission statement for rebalancing. Ron Ahle noted that he had completed this strawman as a homework assignment from the last meeting. The group reviewed the strawman interactively and Ron explained the reasoning behind his mission statement. He pointed out that he had divided it into three parts: The Issue, The Task, and The Goal. He noted that he has initially removed the private values from the list of Evaluation Criteria because he believes that in the first sweep the group should look at the public values. He continued to explain that the group would re-visit the

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Draft acg 11-22-06

private values during a second evaluation of the lands. There was some concern expressed that public and private values could not be separated. John Frick explained that there are instances where there is insufficient fringeland and suggested that it could be possible to work with the back property owners. Ron noted that items like this would be evaluated second. The group was generally agreeable to the Mission Statement that Ron had drafted (attached below).

Group Discussion of Scoring Criteria

Ron also discussed his concept of scoring the land parcels. He suggested that land parcels will be ranked based on quantitative or qualitative values developed by the group. Ron pointed out that under his method of scoring, the parcels of land would each receive a score (1-poor; 3 – good; 5 – excellent) for each one of the criteria. The sum of the points would subsequently be added up to achieve a final grade for that parcel. Ron explained that this method of scoring worked well because of the many variables that were being evaluated.

Tommy Boozer asked if the evaluation of lands could be accomplished through aerial photography rather than extensive field work. Ron replied that he believed that aerial photography would be an acceptable means of evaluation and the group agreed.

Evaluation Criteria Review

Ron began to review the revised list of evaluation criteria. He explained that a few items from the original list were combined, such as continuity and adjacency, and ESA's and Conservation Areas. Trisha Priester noted that it may still be necessary to keep zoning issues in the revised list. Tommy pointed out that the majority of the land that was being reviewed was below the 360', which is not affected by zoning. Ron agreed and noted that zoning may be something that the group looks at along with the private values. The group decided that a discussion on zoning issues would be a parking lot item to discuss at a later point.

Ron continued to explain why some items were not included in the first list. He also explained that his vision for this process would be to eventually see many more fringelands with similar protection to that of Forest and Game Management. The group began to discuss that there may be land swaps with current Forest and Game Lands. Van Hoffman suggested that the group take a conservation easement type of approach with trades of lands on the upper Saluda or lands outside the PBL. Alan noted that the FERC only has responsibility within the project boundary. Subsequently, there may be recommendations that this group makes for land swaps that the FERC cannot agree to in a settlement agreement. The group agreed that this would be discussed further when looking at options that they had in the "toolbox".

In a continuation of discussions on the evaluation criteria, Ron noted that each value will be defined so that one can score a parcel of land quickly and easily. For example, Ron noted general habitat

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Draft acg 11-22-06

quality could be defined so that a score of 5 will be naturally forested, a pine monoculture would receive a 3 and if there was no vegetation it would receive a 1. There was also some discussion on how recreation values would be assessed. Tony Bebber noted that in many places public access is needed more than boat ramps and such. Tommy reminded the group that information on where future recreation areas are needed will come out of the Recreation Surveys.

After lunch the group came to some conclusions on how the criteria should be dealt with. Alan proposed that the group be divided into two subcommittees, the Natural Resource Values Sub-Committee, and the Economic Value Subcommittee. Alan continued to explain that the groups would function independently of one another during the scoring process and come back together at the end to compare their scorings of the parcels of land

Alan noted that initially the groups would meet separately to develop their workplans and swap the plans with the other group for comment. Alan continued to explain that recreation would be evaluated separately under each committee. He explained that the Natural Resource committee would evaluate land parcels based on passive recreation, while the Economic committee would evaluate active recreation. Ron further explained that passive recreation can be viewed as recreation that does not change the character of the land (e.g. hiking trails), while active recreation changes the character of the land (e.g. boat ramps). Alan asked Tony if he was agreeable to the way in which the recreation was separated. Tony noted that it appeared acceptable to him. Dick noted that ESAs may be evaluated differently on each committee. He noted that an ESA may charge negatively against the overall score of the land on the Economic committee, while positively toward the Natural Resource Committee.

Group Assignments:

The group members were assigned to the following positions and everyone agreed that they were content with their standings on the committees.

Natural Resource Value Sub-Committee

SCE&G (David Hancock)
SCDNR (Ron Ahle)
USFWS
Steve Bell
Joy Downs
Tony Bebber

Economic Value Sub-committee

SCE&G (Tommy Boozer)
SCANA (Van Hoffman)
Roy Parker
John Frick
George Duke
Counties (Newberry, Saluda, Lexington,
Richland)

After some discussion the TWC came up with the following Actions List for the groups.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Draft acg 11-22-06

-
1. Each group will separately develop Workplan/Criteria Descriptions/Scoring Mechanisms through email and conference calls and/or meetings.
 2. Both groups will meet back at the Training Center on January 17th.
 - They will meet separately in the morning to finalize their workplans
 - Both groups will come back together in the afternoon to compare and comment on workplans
 3. Groups will then view aerial maps to develop initial scoring for land parcels.
 4. Orbis will then come in separately for each group to go over land parcels and the groups will subsequently score each parcel (possibly 2 days for each group).
 5. TWC will meet back together as a whole to compare scorings on land parcels

Additional Tools and Homework Assignments:

The TWC noted that a homework item for Orbis would be to assign numbers to each of the parcels, as well as identify the characteristics of the parcels (lengths, depths, acreage, ft. of ESA, PBL to 360', Min width, max width, mean width). Ron noted that he would begin drafting the strawman workplan for the Natural Resource Group, while Van Hoffman noted that he would begin developing the strawman for the Economics Group.

In a discussion on what tools were needed for the upcoming meetings, Joy noted that it may be beneficial to have the radius maps for the marinas. David Hancock also suggested having a few maps depicting land parcels that the group could run through as a scoring exercise. Also, for scoring consistency, the TWC noted that each of the groups will score land based on a 1 to 5 scale. The group will also begin by looking at future development lands. John Frick noted that he would work on developing a way to incorporate the value of land to the back property owners with and without designated fringeland in front of their property.

Group adjourned

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
November 21, 2006**

Draft acg 11-22-06

Mission Statement

Issue: Thirty percent of the project fringelands are currently being managed for wildlife and silvaculture. Approximately half of that (15%) is currently classified as future development lands. The remaining 70% of project lands have been sold and/or converted to other uses. The question is how much of the project fringelands need to be set aside for public uses?

Task: In order to understand the public values of the remaining future development lands, it is the task of the TWC to assess these values considering the following factors:

Future Development Land Guidelines

Natural Resource Value Sub-Committee

SCE&G (David Hancock)
SCDNR (Ron Ahle)
USFWS

Steve Bell
Joy Downs
Tony Bebbler

Economic Value Sub-committee

SCE&G (Tommy Boozer)
SCANA (Van Hoffman)
Counties (Newberry, Saluda, Lexington, Richland)
Roy Parker
John Frick
George Duke

General habitat quality
Tract Size
Fish spawning & nursery habitat
Length of undeveloped shoreline
Depth of Fringeland
Waterfowl hunting
Habitat in surrounding region
Aesthetics
Passive Recreation
Adjacency
ESA's & Cons areas
Endangered Species
Topography (slope)

Length of Fringeland
Depth of Fringeland
Active Recreation
Property Value
Development Potential
Economic
ESA
Conservation Areas

Information to be provided by Orbis for each Fringeland tract:

Identify each tract by a designation number or letter

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Carolina Research Park
November 21, 2006*

Draft acg 11-22-06

Length of shoreline
Acreage
Feet of ESA
PBL to 360 contour line
Minimum/Maximum/Mean Width of tract

Once public resource values have been identified, it is the task of the TWC to find ways to protect these values while considering the needs of SCE&G and the back property owners.

- Back property owners
- Continuity
- Development pressure
- Zoning (Density)
- Economics

Goal: The goal is to protect public resources values of project lands in accordance with the Federal Power Act through rebalancing and other shoreline classification modifications and restrictions.

From: Alison Guth
Sent: Wednesday, December 06, 2006 4:36 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers; Tom Brooks
Subject: Final Meeting Notes From 10-31
Hello all,

Attached is the final set of meeting notes from the Lake and Land TWC meeting on 10-31.
Thanks, Alison



2006-10-31 Final
Meeting Minut...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Final acg 12-6-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates
Tommy Boozer, SCE&G
Dick Christie, SCDNR
Roy Parker, LMA
Steve Bell, Lake Watch
Van Hoffman, SCANA
Tony Bebber, SCPRT

Bill Argentieri, SCE&G
George Duke, LMHOC
Ron Ahle, SCDNR
Rhett Bickley, Lexington Co.
David Hancock, SCE&G
John Frick, landowner
Amanda Hill, USFWS

HOMEWORK:

- Tommy, David and Van – GIS map depicting width of fringelands
- DNR – Develop Goal/Mission Statement for land rebalancing
- Entire Group – To review Evaluation Criteria and possible ways of scoring

DATE OF NEXT MEETING:

**November 21, 2006 at 9:30 a.m.
Located at Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Fringeland Presentation:

Alan Stuart opened the meeting and noted that Van Hoffman would be providing the group with a presentation on fringelands. The group viewed the presentation which included various examples of land parcels around Lake Murray. Van included aerial shots that depicted how the 100 ft setback could affect the fringeland. Van also showed the group examples of land that includes conservation areas, such as shallow water habitat.

The group discussed the sale of fringelands. Ron Ahle noted that the intrinsic values that the Lake provides need to be kept in perspective when looking at potential reclassification. These include the back property owners interests, wildlife interests, and development interests, among others. The group discussed some of the limitations involved with areas of fringeland that are less than 75 ft. It

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
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Final acg 12-6-06

was explained that SCE&G cannot sell fringelands that are less than 75 ft, however it can be possible to permit a dock in those areas. There was also brief discussion regarding some incentives for widening buffer zones.

After his presentation, Van noted that Lexington County was working on new sediment control measures. He explained that Lexington County may come in to discuss this and provide a presentation to the TWC.

Presentation on Rebalancing:

After lunch, Ron Ahle began his presentation entitled Rebalancing of Shoreline Uses on Lake Murray: The DNR's Perspective. The group reviewed the values of the shoreline and the benefits of riparian setbacks. Ron explained that there may be other ways for managing the 75 ft setbacks which include: a widening to 100ft, increasing the no clearing zone, maintaining a closed canopy by replacing diseased or hazardous trees, increase penalties and fines, improve educational outreach, and involve stakeholders in monitoring. Ron also noted his concern at allowing docks in shallow coves. Tommy Boozer noted that if an area is identified as shallow cove, SCE&G does not allow the individual to dredge.

During the presentation, the group also looked at easement properties with ESA's. Ron noted that they had concerns that the selling of ESA land with development behind it will eventually lead to the reduction of habitat. Ron also presented the group with DNR's selection criteria for the protection of lands that included the following:

- General habitat quality
- Fish spawning and nursery habitat
- Length and depth of undeveloped shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values
- Adjacency

The group then began to discuss the rebalancing efforts by DNR and SCE&G, and the proposals that were made. Ron noted that the above stated criteria was used by DNR when making the proposal, and choices were not made based on the back property owner. He also noted that longer stretches of land are desirable because there are certain values that are lost with smaller stretches.

Other Information Needs:

Ron concluded his presentation and Alan asked if there were any more presentations that were desired by the group before intensive rebalancing discussions. The group noted that although there

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Final acg 12-6-06

were no more presentations needed, there were several information needs that existed. Ron noted that a map depicting the widths of the fringelands would be a necessary tool during rebalancing discussions. Tommy noted that they would work on using the current GIS to put together these maps as best as possible. Ron noted that they would only need to include the future development lands that can be sold.

Rebalancing Evaluation Criteria:

The group then noted that they would develop a list of evaluation criteria, similar to DNR's, to use when evaluating land. Interactively, the group developed the following list of general criteria that will be refined later:

Evaluation Criteria:

- General habitat quality
- Fish Spawning and nursery habitat
- Length of undeveloped shoreline
- Depth of undeveloped Shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values, public use and access
- Adjacency
- Back property owners
- ESA's
- Conservation areas
- Continuity
- Development pressure
- Zoning (Density)
- Economics
- Endangered Species (federal, or state)
- Unique habitat
- Water Quality

The group considered what other tools were needed for discussions on rebalancing. Dick noted that it would be important to make sure all the keys to the maps were correct. Tommy noted that they would be. Steve Bell also noted that he would like to look at all the properties that DNR and the USFWS identified individually. The group noted that at an upcoming meeting they would look at the areas one by one using the evaluation criteria that they developed. Tommy noted that they would have Orbis come in to project the maps so that the group could view them. DNR also

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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pointed out that they had a set of ESA maps with the classifications listed that they would bring to the meeting.

Discussion Review:

The group decided that at the next meeting they would refine the Evaluation Criteria to a list that was more workable. The group would also consider a method of scoring areas of land based on the Evaluation Criteria. DNR noted that they would work on developing a scoring mechanism as a homework item, and Alan encouraged the whole group to consider scoring options before the next meeting. The group noted that the first areas that they would consider for rebalancing would be Future Development, which would consist of approximately 102 miles of shoreline.

Alan pointed out that it would be important for the group to have a goal statement that would guide the group through rebalancing. DNR was tasked with developing a strawman of a goal statement for the next meeting. Van also briefly touched on the economic benefits of the fringelands with the group. Van explained that the fringelands were important to the company in that the money from their sales is placed into other acquisitions so that it does not have to be borrowed. He further noted that their primary use is to set up 10-31 land exchanges to buy substation sites. Van noted that this helps to keep rates down and the company also earns a return off of the basis.

The group concluded the meeting and reviewed the action items. Tommy noted that when the group began to review the maps with Orbis it may be best to have a meeting two days in a row. The group agreed. The next meeting date was set for November 21 at the Lake Murray Training Center.

Kacie Jensen

From: Jennifer Summerlin
Sent: Wednesday, November 08, 2006 9:56 AM
To: 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'David Hancock'; 'Dick Christie'; 'John Frick (jsfrick@mindspring.com)'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'
Subject: Saluda Relicensing:September 19th Lake and Land Management TWC meeting notes

Hello Everyone,

Attached for your reference are the Final Lake and Land Management TWC meeting notes from the September 19th meeting. Please note that all comments have been incorporated into the notes. If you have questions, please let me know. As always, the meeting notes will be posted on the Saluda Relicensing website.



2006-09-19 Lake
and Land TWC F...

Thanks,

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

DATE OF NEXT MEETING: **October 10, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact recreational users. Steve Bell told the group that private facilities serve only the personal and private use of the upland property owner (or community), and those structures can impair publicly owned natural resources and legitimate public uses of near shore areas. An that these type facilities do not advance legislative goals or federal and state management objectives to protect publicly owned resources. This is the reason why governments have enacted permitting regulations which control private use of public resources."

Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline. Steve B recommended that the review of private multi-slip docking facilities should include defining the issues and listing them in issue matrix or spread sheet. Steve B. also recommended that a step by step process be used to resolve the issues. Steve B reminded the group that the issues relating to individual dock permitting criteria had not been resolved noting there were concerns about the potential total build out of 24,000 docks. Steve B indicated his concern stakeholder concerns can fall in the cracks if not properly tracked.

The group began discussing criteria for residential multi-dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

- The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour;
- No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour;
- A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option;
- Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer;
- Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone;
- One boat per slip for a Residential Multi-slip Dock;
- Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property;
- This option is available for multi-unit or multi-lot properties;
- Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction;

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. Track changes for general requirements for residential multi-slip docks can be viewed in Appendix A.. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of docks., etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

Appendix A

Lake Murray Multi-Use Docks Projects

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility - Commercial, Private, Private Residential.

TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.
Boat Launching, Boat Storage – Wet and Dry
Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park (Marina)
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp
Sail Clubs, Yacht Club, Private Clubs
Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marina

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water Lots,
Condominiums, Multi-family Development, Subdivisions
Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
Timberlake

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock

On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

REGULATORY REQUIREMENTS

1. Initial consultation with SCE&G Lake Management Department
2. County Zoning Requirements
3. U. S. Army Corps of Engineers – Approval Permit
4. S. C. Department of Health and Environmental Control – Approval Permit
5. S. C. Department of Natural Resources
6. U. S. Fish and wildlife Service
7. State Historic Preservation Office
S. C. Department of Archives and History
8. Federal Energy Regulatory Commission
9. South Carolina Electric & Gas Company – Approved Permit

EXISTING PERMITTING CONDITIONS

GENERAL REQUIREMENTS – Commercial Marinas

1. No Commercial Marina facility accommodating ten (10) watercraft or fewer at a time will be permitted any closer than ¼ mile radius to an existing Commercial Multi-use Facility as of {Date}.
2. No Commercial Marina facility accommodating between eleven (11) and one hundred (100) watercraft at a time will be permitted any closer than ½ mile radius to an existing Commercial Multi-use Facility as of {Date}.
3. No Commercial Marina facility accommodating more than one hundred (100) watercraft at a time will be permitted any closer than 1 mile radius to an existing Commercial Multi-use Facility as of {Date}.

Comment: Consider Private multi-slip facilities for this restriction.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

4. Any proposed Commercial Marina facility located within the ½ mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
5. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time must be located a minimum of 150' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
6. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time must be located a minimum of 250' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
7. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time must be located a minimum of 300' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.
9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.
10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
11. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time shall be located within a minimum distance of 500 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

Comment: Provide diagram or sketch for these requirements.

Comment: Provide diagram or sketch for these requirements.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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September 19, 2006**

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12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.
14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.
- 15.
16. No Commercial Marina facilities will be permitted to have covers over the slips.
17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation of appropriate State and federal resource agencies and regulatory authorities.
18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.
19. Applicant will be required to conduct a 5-year Baseline Environmental Water Quality Monitoring Plan – see attached sheet.
20. Commercial Marina facilities with greater than ten (10) watercraft or which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems that are available for public use.
21. Commercial Marina facilities must provide public restrooms.
22. Commercial Marina facilities are encouraged to provide public fishing access areas.
23. Commercial Marina facilities must comply with all local, county, state and federal regulations.
24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

Comment: Look into this further.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

GENERAL REQUIREMENTS – Residential Multi-slip Docks

Easement Property:

1. The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour.
2. No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour.
3. A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option.

Comment: To be reviewed before this section is finalized.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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4. Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer.
5. Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone.
6. One boat per slip for a Residential Multi-slip Dock.
7. Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property.
8. This option is available for multi-unit or multi-lot properties.
9. Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction.

Comment: This should be true for all multi-slip docks.

MEETING NOTES

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**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

Kacie Jensen

From: Alison Guth
Sent: Friday, November 03, 2006 1:57 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; John Frick (jsfrick@mindspring.com); Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: Final 10-10 Notes

Hello All,

Attached are the Final Meeting Notes from the October 10th Lake and Land Management TWC Meeting. Thanks, Alison



2006-10-10 Final
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

Final acg 11-3-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Randy Mahan, SCANA Services, Inc.
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Dick Christie, SCDNR	Tom Eppink, SCANA Services, Inc.
Roy Parker, LMA	Kenneth Fox, LMA
Steve Bell, Lake Watch	John Frick, landowner
Van Hoffman, SCANA	Mike Murrell, LMA
Tony Bebbber, SCPRT	David Hancock, SCE&G

HOMEWORK:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR’s proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography
- Develop introduction section to criteria – Dick Christie, SCE&G
- Revise the term “greenspace” – TWC Members

DATE OF NEXT MEETING: **October 31, 2006 at 9:30 a.m.**
Located at Carolina Research Park

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Discussion about Meeting Topic:

The group began discussions and Alan S. noted that based on the last meeting, they would finalize the draft of the criteria for multi-slip docks on easement property. Steve B. asked for an clarification of the issues regarding private multi-slip docks. David H. replied that it was his understanding that multi-slip docks were considered a benefit in that it prevented individual docks from occupying every 100 ft of shoreline. Steve B. agreed and added that the main benefit as he

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

Final acg 11-3-06

understood it is the reduction in size of the public marinas and their impacts on public waters. Tommy B. also noted that private multi-slip developments provide off-water access with a community dock and ramp.

Residential Multi-Slip Docks on Easement Property Criteria Review:

As the group began to interactively review the criteria, Tommy explained that the criteria was designed with incentives for multi-slip facilities. It was explained that if a certain amount of land was counted toward a multi-slip facility's slip count, then a developer would not be allowed to also add individual docks on that property. Ron A. pointed out that a developer should not be allowed slip credit for areas with environmentally sensitive areas. He continued to explain that this would encourage the developer to place individual docks on all the areas that were possible and count the ESA's toward a multi-slip dock. After much discussion on this topic the group decided that the developer could only count ESA's toward his slip credit if he is to implement a buffer area. It was also encouraged that the buffer area be deeded to the homeowners association of that development.

The group then discussed the need for an introduction section to the criteria explaining the objective. This was assigned as a homework item. The group also had discussions regarding the length of shoreline for slip credit. The group considered rounding odd and half numbers of slip credits up to even numbers (ex, 37.5 would be rounded up to 38). The group decided that for properties without the implemented buffer, the numbers would be rounded down, but the number would be rounded up for those that did implement a buffer area.

The Lake Murray Association expressed concern that there are tracts of land that could be sold that are large enough to qualify for very large multi-slip facilities. David H. reminded the TWC that the criteria still had a 200 slip limitation in place. Steve B. noted that he believed a slip limitation was important to have in place.

The group also discussed how far a multi-slip facility needs to be placed from an adjacent property owner and from what point with that length be measured. It was explained that the facility must be located 150 ft from the adjacent property owner measured from the point where the dock crosses the 360°. Ron A. expressed that the measurement should be taken from the corner of the first slip, in the event the facility was running parallel with the shoreline. Tommy B. noted that a multi-slip facility running flat up against the shoreline was not something that they typically would permit. Tommy B. continued to explain that if they had to go with an orientation like that they would try to place it out perpendicular with the shoreline, or center it up along the shoreline. Tommy B. further noted that they would not place a facility over the projected property line. Steve B. noted that if the multi-slip dock does not extend past the projected property line then he was satisfied. The group agreed that the final placement of the facility will be up to the discretion of SCE&G. Ron A. agreed that he was content with the decision and noted that his main concerns were regarding the sprawling of facilities.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

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The group discussed that the definition of the buffer zone that SCE&G manages needs to be distinguished from the voluntary buffer zone that the group was proposing. The group temporarily renamed the voluntary buffer zone "greenspace". The group noted that the definition of greenspace would be included in the objective section of the criteria. There was some disagreement among the group that greenspace was the best definition for the area, subsequently, a homework item for the group was to come up with alternative definitions.

The TWC expressed concern about homeowners pulling their pontoon boats onto the shoreline and leaving them there for long periods of time. Tommy B. noted that it is currently not a problem along Lake Murray Shoreline, however it is possible that it could become a problem in the future. Tommy B. added that he believed that lake levels would have a lot of control over this issue. Randy M. suggested placing a statement in the Lake Murray Handbook that included items on how to be a good neighbor, such as not parking your boat on the shoreline, not leaving trash around, etc. The group agreed to put this issue in the parking lot for further discussion.

After lunch the group reviewed and agreed to the criteria developed for Residential Multi-slips on Easement Property. The TWC concluded that it provided good incentives for the homeowner to implement a multi-slip facility as opposed to individual docks. The group also briefly discussed changing the General Permit. Tommy B. noted that they may hold off on any revisions to the General Permit until the final SMP comes out. It was also noted that the size of boats would be limited to 30 ft at new residential multi-slip facilities.

Alan S. noted that the next item for discussion was the Private Marinas (yacht clubs). The group agreed that Private Marinas would fall under the same criteria as developed for Residential Multi-slip marinas.

The group then began to review homework items and prepare an agenda for the next meeting.

Homework items were listed as follows:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR's proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography

Agenda items for the next meeting:

- Presentation on Fringelands – Van Hoffman

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

Final acg 11-3-06

-
- Review of Fringeland Width Maps – Developed by Van Hoffman
 - Presentation of DNR's Proposal for Rebalancing – Ron Ahle

Agenda items for an upcoming meeting:

- Land rebalancing and reclassification – need recreation study results
- Aquatic plant management presentation – Steve DeKozlowski

Ron A. also noted that DNR would like to see a map showing the locations of docks on fringelands that have not been sold. Ron continued to note that it would be also helpful to see a map depicting the width of fringelands, especially those that are less than 75'. Van H and David H. noted that there were difficulties when developing this map but that they would work on developing an adequate map for the next meeting. Group decided to schedule the next meeting for October 31st at Carolina Research Park.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

SCE&G Training Center
October 10, 2006

Final acg 11-3-06

DRAFT
STRAW MAN

RESIDENTIAL MULTI-SLIP DOCKS AND PRIVATE MARINAS

EASEMENT PROPERTY

1. In lieu of individual docks, multi-slip docks ~~may~~ be permitted based on shoreline footage.
2. No individual dock will be permitted within a multi-slip dock development.
3. To participate in the multi-slip dock program the development must have a minimum of 500 feet of shoreline. Property with less than 500 feet will be evaluated for individual or shared docks.
4. ~~An ESA is not to be included in the total shoreline distance when evaluating multi-slip docks unless a minimum 50-foot Greenspace is established on the entire shoreline. One slip will be allowed for each 100 feet of shoreline with an ESA with a minimum 50-foot Greenspace on the entire shoreline. And two slips per 100 feet of shoreline of non-ESA shoreline.~~
5. ~~Up to 1.5 slips per 100 feet of shoreline will be allowed with no Greenspaces or no ESA shoreline. With a minimum 50-foot Greenspace on the entire shoreline, two slips per 100 feet will be approved.~~
6. ~~Fractions of slips for properties without a Greenspace will be rounded down to an even number of slips. (e.g., between 14 ½ and 15 ½ slips will be rounded down to 14 slips.)~~
7. ~~Multi-slip docks must be a minimum of 150 feet from the adjoining property from each outside edge of the dock walkway at the 360-foot contour line to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.~~
8. Final placement of the multi-slip facility will be subject to the SCE&G Lake Management approval.
9. A minimum distance of 500 feet across cove measured from the 360-foot contour elevation to 360-foot contour elevation.

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Comment: Provide definition for Greenspace

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MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

SCE&G Training Center
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10. The minimum 50-foot Greenspace Landscape Plan that must be consistent with the established Buffer Zone Management Plan Guidelines shall be submitted and approved by SCE&G Lake Management.

11. Access to multi-slip docks must be provided by the developer.

12. An access path will be allowed in the Greenspace and must be identified in the Greenspace Landscape Plan.

13. SCE&G requires the developer to establish a homeowner's association to administer the neighborhood multi-slip dock program. The Greenspace should be deeded to the homeowner's association. SCE&G encourages the homeowner's association to create an environmental stewardship committee within the homeowner's association to help monitor the Greenspace.

14. Multi-slip dock facilities which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.

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Kacie Jensen

Subject: Updated: L&LM TWC - Agenda, Meeting Notes and Outlook Calendar Date Correction
Location: Lake Murray Training Center - Room 100

Start: Tue 11/21/2006 9:30 AM
End: Tue 11/21/2006 2:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake & Land Mgt TWC; George Duke
Optional Attendees: 'ARGENTIERI, WILLIAM R'; 'MAHAN, RANDOLPH R'; 'HANCOCK, DAVID E'; Tony Bebber; BOOZER, THOMAS C

Hello All,

I apologize about sending the wrong date to your calendars, for those of you who have Outlook. As stated in the body of the email, the Lake and Land Management TWC is November 21. Accepting this email should allow the correct date to be placed on your Outlook Calendars. I have also attached an agenda for the upcoming meeting and the draft set of meeting notes from the last meeting. Please have any comments or changes to the meeting notes back to me by December 4th. Thanks, and I apologize for the confusion on the meeting date. Alison



2006-10-31 draft Lake and Land
Meeting Minut... anagement TWC A..

Previous Message:
Good Afternoon All,

*We have a Lake and Land Management TWC meeting scheduled for next Tuesday, November 21. This will occur at the **Lake Murray Training Center** at 9:30. I will have a formal agenda, as well as the meeting notes from the last meeting, to you by tomorrow morning. We will be developing a goal/mission statement for rebalancing as well as refining the criteria (listed below) that we developed at the last meeting. I believe that SCDNR had a homework item of developing a strawman of the mission statement for rebalancing. The group will also give consideration to a scoring method for lands using the agreed upon criteria. A homework item for the group is to review the criteria listed below and give thought to a method of scoring prior to the meeting. We will begin by discussing Future Development Lands. Thanks, Alison*

Rebalancing Evaluation Criteria:

- General habitat quality
- Fish Spawning and nursery habitat
- Length of undeveloped shoreline
- Depth of undeveloped Shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values, public use and access
- Adjacency
- Back property owners
- ESA's
- Conservation areas
- Continuity

- Development pressure
- Zoning (Density)
- Economics
- Endangered Species (federal, or state)
- Unique habitat
Water Quality

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Draft acg 11-13-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	George Duke, LMHOC
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Dick Christie, SCDNR	Rhett Bickley, Lexington Co.
Roy Parker, LMA	David Hancock, SCE&G
Steve Bell, Lake Watch	John Frick, landowner
Van Hoffman, SCANA	Amanda Hill, USFWS
Tony Bebbler, SCPRT	

HOMEWORK:

- Tommy, David and Van – GIS map depicting width of fringelands
- DNR – Develop Goal/Mission Statement for land rebalancing
- Entire Group – To review Evaluation Criteria and possible ways of scoring

**DATE OF NEXT MEETING: November 21, 2006 at 9:30 a.m.
Located at Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Fringeland Presentation:

Alan Stuart opened the meeting and noted that Van Hoffman would be providing the group with a presentation on fringelands. The group viewed the presentation which included various examples of land parcels around Lake Murray. Van included aerial shots that depicted how the 100 ft setback could affect the fringeland. Van also showed the group examples of land that includes conservation areas, such as shallow water habitat.

The group discussed the sale of fringelands. Ron Ahle noted that the intrinsic values that the Lake provides need to be kept in perspective when looking at potential reclassification. These include the back property owners interests, wildlife interests, and development interests, among others. The group discussed some of the limitations involved with areas of fringeland that are less than 75 ft. It

MEETING NOTES

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SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Draft acg 11-13-06

was explained that SCE&G cannot sell fringelands that are less than 75 ft, however it can be possible to permit a dock in those areas. There was also brief discussion regarding some incentives for widening buffer zones.

After his presentation, Van noted that Lexington County was working on new sediment control measures. He explained that Lexington County may come in to discuss this and provide a presentation to the TWC.

Presentation on Rebalancing:

After lunch, Ron Ahle began his presentation entitled Rebalancing of Shoreline Uses on Lake Murray: The DNR's Perspective. The group reviewed the values of the shoreline and the benefits of riparian setbacks. Ron explained that there may be other ways for managing the 75 ft setbacks which include: a widening to 100ft, increasing the no clearing zone, maintaining a closed canopy by replacing diseased or hazardous trees, increase penalties and fines, improve educational outreach, and involve stakeholders in monitoring. Ron also noted his concern at allowing docks in shallow coves. Tommy Boozer noted that if an area is identified as shallow cove, SCE&G does not allow the individual to dredge.

During the presentation, the group also looked at easement properties with ESA's. Ron noted that they had concerns that the selling of ESA land with development behind it will eventually lead to the reduction of habitat. Ron also presented the group with DNR's selection criteria for the protection of lands that included the following:

- General habitat quality
- Fish spawning and nursery habitat
- Length and depth of undeveloped shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values
- Adjacency

The group then began to discuss the rebalancing efforts by DNR and SCE&G, and the proposals that were made. Ron noted that the above stated criteria was used by DNR when making the proposal, and choices were not made based on the back property owner. He also noted that longer stretches of land are desirable because there are certain values that are lost with smaller stretches.

Other Information Needs:

Ron concluded his presentation and Alan asked if there were any more presentations that were desired by the group before intensive rebalancing discussions. The group noted that although there

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Draft acg 11-13-06

were no more presentations needed, there were several information needs that existed. Ron noted that a map depicting the widths of the fringelands would be a necessary tool during rebalancing discussions. Tommy noted that they would work on using the current GIS to put together these maps as best as possible. Ron noted that they would only need to include the future development lands that can be sold.

Rebalancing Evaluation Criteria:

The group then noted that they would develop a list of evaluation criteria, similar to DNR's, to use when evaluating land. Interactively, the group developed the following list of general criteria that will be refined later:

Evaluation Criteria:

- General habitat quality
- Fish Spawning and nursery habitat
- Length of undeveloped shoreline
- Depth of undeveloped Shoreline
- Waterfowl hunting opportunities
- Habitat in surrounding region
- Aesthetics
- Recreational values, public use and access
- Adjacency
- Back property owners
- ESA's
- Conservation areas
- Continuity
- Development pressure
- Zoning (Density)
- Economics
- Endangered Species (federal, or state)
- Unique habitat
- Water Quality

The group considered what other tools were needed for discussions on rebalancing. Dick noted that it would be important to make sure all the keys to the maps were correct. Tommy noted that they would be. Steve Bell also noted that he would like to look at all the properties that DNR and the USFWS identified individually. The group noted that at an upcoming meeting they would look at the areas one by one using the evaluation criteria that they developed. Tommy noted that they would have Orbis come in to project the maps so that the group could view them. DNR also

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Carolina Research Park
October 31, 2006**

Draft acg 11-13-06

pointed out that they had a set of ESA maps with the classifications listed that they would bring to the meeting.

Discussion Review:

The group decided that at the next meeting they would refine the Evaluation Criteria to a list that was more workable. The group would also consider a method of scoring areas of land based on the Evaluation Criteria. DNR noted that they would work on developing a scoring mechanism as a homework item, and Alan encouraged the whole group to consider scoring options before the next meeting. The group noted that the first areas that they would consider for rebalancing would be Future Development, which would consist of approximately 102 miles of shoreline.

Alan pointed out that it would be important for the group to have a goal statement that would guide the group through rebalancing. DNR was tasked with developing a strawman of a goal statement for the next meeting. Van also briefly touched on the economic benefits of the fringelands with the group. Van explained that the fringelands were important to the company in that the money from their sales is placed into other acquisitions so that it does not have to be borrowed. He further noted that their primary use is to set up 10-31 land exchanges to buy substation sites. Van noted that this helps to keep rates down and the company also earns a return off of the basis.

The group concluded the meeting and reviewed the action items. Tommy noted that when the group began to review the maps with Orbis it may be best to have a meeting two days in a row. The group agreed. The next meeting date was set for November 21 at the Lake Murray Training Center.

**Saluda Hydro Relicensing
Lake and Land Management TWC**

Meeting Agenda

November 21, 2006

9:30 AM

Lake Murray Training Center

- **9:30 to 10:30** Discuss/Develop Goal Statement/Mission Statement for Rebalancing - *Group*
 - **10:30 to 10:45** Break
 - **10:45 to 12:00** Review and Summarize Evaluation Criteria Developed at October 31 Meeting - *Group*
 - **12:00 to 12:45** Lunch
 - **12:45 to 2:00** Discuss Scoring Criteria for Land Rebalancing - *Group*
 - **2:00 to 2:30** Add Discussion Points to Issues Matrix, Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn



From: Alison Guth
Sent: Friday, November 03, 2006 1:57 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; John Frick (jsfrick@mindspring.com); Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: Final 10-10 Notes
Hello All,

Attached are the Final Meeting Notes from the October 10th Lake and Land Management TWC Meeting. Thanks, Alison



2006-10-10 Final
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Kacie Jensen

From: Tony Bebber [tbebber@scprt.com]
Sent: Thursday, November 02, 2006 9:43 AM
To: Jennifer Summerlin; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; jsfrick@mindspring.com; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer
Subject: RE: Saluda Relicensing:Lake and Land Management Meeting Notes, September 19th

I have inserted minor comments in the attachment.

Tony Bebber, AICP

Planning Manager, Recreation, Planning & Engineering Office
SC Department of Parks, Recreation & Tourism
1205 Pendleton Street
Columbia, SC 29201
Phone 803-734-0189
Fax 803-734-1042
tbebber@scprt.com

Shaping & Sharing a Better South Carolina

websites: www.DiscoverSouthCarolina.com www.SouthCarolinaParks.com www.SCTrails.net

From: Jennifer Summerlin [mailto:Jennifer.Summerlin@KleinschmidtUSA.com]
Sent: Wednesday, November 01, 2006 3:04 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; jsfrick@mindspring.com; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Saluda Relicensing:Lake and Land Management Meeting Notes, September 19th

All:

Attached are the September 19, 2006 Lake and Land Management TWC meeting notes. Comments have been incorporated into the notes. If there are any other comments, please have them to me by Friday November 3rd so I can finalize them.

<<2006-09-19 Lake and Land TWC Draft-JMS.doc>>

Thanks,

Jennifer Summerlin
Scientist Technician
Kleinschmidt Associates
101 Trade Zone Drive, Suite 21A
West Columbia, SC 29170
P:803.822.3177
F:803.822.3183

Kacie Jensen

From: Jennifer Summerlin
Sent: Wednesday, November 01, 2006 3:04 PM
To: 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'David Hancock'; 'Dick Christie'; 'John Frick (jsfrick@mindspring.com)'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'
Subject: Saluda Relicensing:Lake and Land Management Meeting Notes, September 19th

All:

Attached are the September 19, 2006 Lake and Land Management TWC meeting notes. Comments have been incorporated into the notes. If there are any other comments, please have them to me by Friday November 3rd so I can finalize them.



2006-09-19 Lake
and Land TWC D...

Thanks,

Jennifer Summerlin
Scientist Technician
Kleinschmidt Associates
101 Trade Zone Drive, Suite 21A
West Columbia, SC 29170
P:803.822.3177
F:803.822.3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

DATE OF NEXT MEETING: **October 10, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact recreational users. Steve Bell told the group that private facilities serve only the personal and private use of the upland property owner (or community), and those structures can impair publicly owned natural resources and legitimate public uses of near shore areas. An that these type facilities do not advance legislative goals or federal and state management objectives to protect publicly owned resources. This is the reason why governments have enacted permitting regulations which control private use of public resources.

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Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline.

Steve B recommended that the review of private multi-slip docking facilities should include defining the issues and listing them in issue matrix or spread sheet. Steve B. also recommended that a step by step process be used to resolve the issues. Steve B reminded the group that the issues relating to individual dock permitting criteria had not been resolved noting there were concerns about the potential total build out of 24,000 docks. Steve B indicated his concern stakeholder concerns can fall in the cracks if not properly tracked.

The group began discussing criteria for residential multi-dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

- The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour;
- No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour;
- A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option;
- Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer;
- Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone;
- One boat per slip for a Residential Multi-slip Dock;
- Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property;
- This option is available for multi-unit or multi-lot properties;
- Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction;

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. Track changes for general requirements for residential multi-slip docks can be viewed in Appendix A.. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of docks., etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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September 19, 2006**

draft JMS 10-2-06

Appendix A

Lake Murray Multi-Use Docks Projects

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

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LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility -

Commercial, Private, Private Residential.

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TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.

Boat Launching, Boat Storage – Wet and Dry

Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp

Sail Clubs, Yacht Club, Private Clubs

Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marinas

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water Lots,
Condominiums, Multi-family Development, Subdivisions

Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
Timberlake

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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September 19, 2006**

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Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock

On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

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REGULATORY REQUIREMENTS

1. Initial consultation with SCE&G Lake Management Department
2. County Zoning Requirements
3. U. S. Army Corps of Engineers – Approval Permit
4. S. C. Department of Health and Environmental Control – Approval Permit
5. S. C. Department of Natural Resources
6. U. S. Fish and wildlife Service
7. State Historic Preservation Office
S. C. Department of Archives and History
8. Federal Energy Regulatory Commission
9. South Carolina Electric & Gas Company – Approved Permit

EXISTING PERMITTING CONDITIONS

GENERAL REQUIREMENTS – Commercial Marinas

1. No Commercial Marina facility accommodating ten (10) watercraft or fewer at a time will be permitted any closer than ¼ mile radius to an existing Commercial Multi-use Facility as of {Date}.
2. No Commercial Marina facility accommodating between eleven (11) and one hundred (100) watercraft at a time will be permitted any closer than ½ mile radius to an existing Commercial Multi-use Facility as of {Date}.
3. No Commercial Marina facility accommodating more than one hundred (100) watercraft at a time will be permitted any closer than 1 mile radius to an existing Commercial Multi-use Facility as of {Date}.

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MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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Carolina Research Park, SCE&G Building
September 19, 2006

draft JMS 10-2-06

4. Any proposed Commercial Marina facility located within the 1/2 mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
5. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time must be located a minimum of 150' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
6. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time must be located a minimum of 250' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
7. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time must be located a minimum of 300' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.
9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.
10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
11. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time shall be located within a minimum distance of 500 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

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MEETING NOTES

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**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

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13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.

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14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.

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16. No Commercial Marina facilities will be permitted to have covers over the requested slips.

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17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation with appropriate State and federal resource agencies and regulatory authorities.

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18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.

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19. Applicant will be required to conduct a 5-year Baseline Environmental Water Quality Monitoring Plan – see attached sheet.

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20. Commercial Marina facilities with greater than ten (10) watercraft or which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.

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21. Commercial Marina facilities must provide public restrooms.

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22. Commercial Marina facilities are encouraged to provide public fishing access areas.

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23. Commercial Marina facilities must comply with all local, county, state and federal regulations.

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24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

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MEETING NOTES

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LAKE AND LAND MANAGEMENT TWC**

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draft JMS 10-2-06

Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

GENERAL REQUIREMENTS – Residential Multi-slip Docks

Easement Property:

1. The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour.
2. No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour.
3. A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option.

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LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

4. Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer.
5. Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone.
6. One boat per slip for a Residential Multi-slip Dock.
7. Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property.
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Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

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A minimum distance of 350 feet must be maintained between the lakeward extension of the multi-use docking facility and the 360' contour on the opposite shoreline.

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located in an area where water depths are adequate for the development of the project without requiring any excavation.

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Applicant, if required, by DHEC

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before the commercial dock facility can be placed in service

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

Final acg 11-3-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Randy Mahan, SCANA Services, Inc.
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Dick Christie, SCDNR	Tom Eppink, SCANA Services, Inc.
Roy Parker, LMA	Kenneth Fox, LMA
Steve Bell, Lake Watch	John Frick, landowner
Van Hoffman, SCANA	Mike Murrell, LMA
Tony Bebbber, SCPRT	David Hancock, SCE&G

HOMEWORK:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR’s proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography
- Develop introduction section to criteria – Dick Christie, SCE&G
- Revise the term “greenspace” – TWC Members

DATE OF NEXT MEETING: **October 31, 2006 at 9:30 a.m.**
Located at Carolina Research Park

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Discussion about Meeting Topic:

The group began discussions and Alan S. noted that based on the last meeting, they would finalize the draft of the criteria for multi-slip docks on easement property. Steve B. asked for an clarification of the issues regarding private multi-slip docks. David H. replied that it was his understanding that multi-slip docks were considered a benefit in that it prevented individual docks from occupying every 100 ft of shoreline. Steve B. agreed and added that the main benefit as he

MEETING NOTES

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understood it is the reduction in size of the public marinas and their impacts on public waters. Tommy B. also noted that private multi-slip developments provide off-water access with a community dock and ramp.

Residential Multi-Slip Docks on Easement Property Criteria Review:

As the group began to interactively review the criteria, Tommy explained that the criteria was designed with incentives for multi-slip facilities. It was explained that if a certain amount of land was counted toward a multi-slip facility's slip count, then a developer would not be allowed to also add individual docks on that property. Ron A. pointed out that a developer should not be allowed slip credit for areas with environmentally sensitive areas. He continued to explain that this would encourage the developer to place individual docks on all the areas that were possible and count the ESA's toward a multi-slip dock. After much discussion on this topic the group decided that the developer could only count ESA's toward his slip credit if he is to implement a buffer area. It was also encouraged that the buffer area be deeded to the homeowners association of that development.

The group then discussed the need for an introduction section to the criteria explaining the objective. This was assigned as a homework item. The group also had discussions regarding the length of shoreline for slip credit. The group considered rounding odd and half numbers of slip credits up to even numbers (ex, 37.5 would be rounded up to 38). The group decided that for properties without the implemented buffer, the numbers would be rounded down, but the number would be rounded up for those that did implement a buffer area.

The Lake Murray Association expressed concern that there are tracts of land that could be sold that are large enough to qualify for very large multi-slip facilities. David H. reminded the TWC that the criteria still had a 200 slip limitation in place. Steve B. noted that he believed a slip limitation was important to have in place.

The group also discussed how far a multi-slip facility needs to be placed from an adjacent property owner and from what point with that length be measured. It was explained that the facility must be located 150 ft from the adjacent property owner measured from the point where the dock crosses the 360°. Ron A. expressed that the measurement should be taken from the corner of the first slip, in the event the facility was running parallel with the shoreline. Tommy B. noted that a multi-slip facility running flat up against the shoreline was not something that they typically would permit. Tommy B. continued to explain that if they had to go with an orientation like that they would try to place it out perpendicular with the shoreline, or center it up along the shoreline. Tommy B. further noted that they would not place a facility over the projected property line. Steve B. noted that if the multi-slip dock does not extend past the projected property line then he was satisfied. The group agreed that the final placement of the facility will be up to the discretion of SCE&G. Ron A. agreed that he was content with the decision and noted that his main concerns were regarding the sprawling of facilities.

MEETING NOTES

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The group discussed that the definition of the buffer zone that SCE&G manages needs to be distinguished from the voluntary buffer zone that the group was proposing. The group temporarily renamed the voluntary buffer zone "greenspace". The group noted that the definition of greenspace would be included in the objective section of the criteria. There was some disagreement among the group that greenspace was the best definition for the area, subsequently, a homework item for the group was to come up with alternative definitions.

The TWC expressed concern about homeowners pulling their pontoon boats onto the shoreline and leaving them there for long periods of time. Tommy B. noted that it is currently not a problem along Lake Murray Shoreline, however it is possible that it could become a problem in the future. Tommy B. added that he believed that lake levels would have a lot of control over this issue. Randy M. suggested placing a statement in the Lake Murray Handbook that included items on how to be a good neighbor, such as not parking your boat on the shoreline, not leaving trash around, etc. The group agreed to put this issue in the parking lot for further discussion.

After lunch the group reviewed and agreed to the criteria developed for Residential Multi-slips on Easement Property. The TWC concluded that it provided good incentives for the homeowner to implement a multi-slip facility as opposed to individual docks. The group also briefly discussed changing the General Permit. Tommy B. noted that they may hold off on any revisions to the General Permit until the final SMP comes out. It was also noted that the size of boats would be limited to 30 ft at new residential multi-slip facilities.

Alan S. noted that the next item for discussion was the Private Marinas (yacht clubs). The group agreed that Private Marinas would fall under the same criteria as developed for Residential Multi-slip marinas.

The group then began to review homework items and prepare an agenda for the next meeting.

Homework items were listed as follows:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR's proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography

Agenda items for the next meeting:

- Presentation on Fringelands – Van Hoffman

MEETING NOTES

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-
- Review of Fringeland Width Maps – Developed by Van Hoffman
 - Presentation of DNR's Proposal for Rebalancing – Ron Ahle

Agenda items for an upcoming meeting:

- Land rebalancing and reclassification – need recreation study results
- Aquatic plant management presentation – Steve DeKozlowski

Ron A. also noted that DNR would like to see a map showing the locations of docks on fringelands that have not been sold. Ron continued to note that it would be also helpful to see a map depicting the width of fringelands, especially those that are less than 75'. Van H and David H. noted that there were difficulties when developing this map but that they would work on developing an adequate map for the next meeting. Group decided to schedule the next meeting for October 31st at Carolina Research Park.

MEETING NOTES

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DRAFT
STRAW MAN

RESIDENTIAL MULTI-SLIP DOCKS AND PRIVATE MARINAS

EASEMENT PROPERTY

1. In lieu of individual docks, multi-slip docks may be permitted based on shoreline footage.
2. No individual dock will be permitted within a multi-slip dock development.
3. To participate in the multi-slip dock program the development must have a minimum of 500 feet of shoreline. Property with less than 500 feet will be evaluated for individual or shared docks.
4. An ESA is not to be included in the total shoreline distance when evaluating multi-slip docks unless a minimum 50-foot Greenspace is established on the entire shoreline. One slip will be allowed for each 100 feet of shoreline with an ESA with a minimum 50-foot Greenspace on the entire shoreline. And two slips per 100 feet of shoreline of non-ESA shoreline.
5. Up to 1.5 slips per 100 feet of shoreline will be allowed with no Greenspaces or no ESA shoreline. With a minimum 50-foot Greenspace on the entire shoreline, two slips per 100 feet will be approved.
6. Fractions of slips for properties without a Greenspace will be rounded down to an even number of slips. (e.g., between 14 ½ and 15 ½ slips will be rounded down to 14 slips.)
7. Multi-slip docks must be a minimum of 150 feet from the adjoining property from each outside edge of the dock walkway at the 360-foot contour line to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance..
8. Final placement of the multi-slip facility will be subject to the SCE&G Lake Management approval.
9. A minimum distance of 500 feet across cove measured from the 360-foot contour elevation to 360-foot contour elevation.

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Comment: Provide definition for Greenspace

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10. The minimum 50-foot Greenspace Landscape Plan that must be consistent with the established Buffer Zone Management Plan Guidelines shall be submitted and approved by SCE&G Lake Management.

11. Access to multi-slip docks must be provided by the developer.

12. An access path will be allowed in the Greenspace and must be identified in the Greenspace Landscape Plan.

13. SCE&G requires the developer to establish a homeowner's association to administer the neighborhood multi-slip dock program. The Greenspace should be deeded to the homeowner's association. SCE&G encourages the homeowner's association to create an environmental stewardship committee within the homeowner's association to help monitor the Greenspace.

14. Multi-slip dock facilities which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.

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From: Jennifer Summerlin
Sent: Wednesday, November 08, 2006 9:56 AM
To: 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'David Hancock'; 'Dick Christie'; 'John Frick (jsfrick@mindspring.com)'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'
Subject: Saluda Relicensing:September 19th Lake and Land Management TWC meeting notes

Hello Everyone,

Attached for your reference are the Final Lake and Land Management TWC meeting notes from the September 19th meeting. Please note that all comments have been incorporated into the notes. If you have questions, please let me know. As always, the meeting notes will be posted on the Saluda Relicensing website.



2006-09-19 Lake
and Land TWC F...

Thanks,

Jennifer Summerlin
Scientist Technician
Kleinschmidt Associates
101 Trade Zone Drive, Suite 21A
West Columbia, SC 29170
P:803.822.3177
F:803.822.3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

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ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

DATE OF NEXT MEETING: **October 10, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

Final JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact recreational users. Steve Bell told the group that private facilities serve only the personal and private use of the upland property owner (or community), and those structures can impair publicly owned natural resources and legitimate public uses of near shore areas. An that these type facilities do not advance legislative goals or federal and state management objectives to protect publicly owned resources. This is the reason why governments have enacted permitting regulations which control private use of public resources."

Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline.

Steve B recommended that the review of private multi-slip docking facilities should include defining the issues and listing them in issue matrix or spread sheet. Steve B. also recommended that a step by step process be used to resolve the issues. Steve B reminded the group that the issues relating to individual dock permitting criteria had not been resolved noting there were concerns about the potential total build out of 24,000 docks. Steve B indicated his concern stakeholder concerns can fall in the cracks if not properly tracked.

The group began discussing criteria for residential multi- dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

MEETING NOTES

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- The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour;
- No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour;
- A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option;
- Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer;
- Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone;
- One boat per slip for a Residential Multi-slip Dock;
- Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property;
- This option is available for multi-unit or multi-lot properties;
- Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction;

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. Track changes for general requirements for residential multi-slip docks can be viewed in Appendix A.. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of docks,, etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

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Appendix A

Lake Murray Multi-Use Docks Projects

MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC***

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LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility - Commercial, Private, Private Residential.

TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.
Boat Launching, Boat Storage – Wet and Dry
Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park (Marina)
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp
Sail Clubs, Yacht Club, Private Clubs
Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marina

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water Lots,
Condominiums, Multi-family Development, Subdivisions
Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
Timberlake

MEETING NOTES

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Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock

On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

MEETING NOTES

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LAKE AND LAND MANAGEMENT TWC***

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REGULATORY REQUIREMENTS

1. Initial consultation with SCE&G Lake Management Department
2. County Zoning Requirements
3. U. S. Army Corps of Engineers – Approval Permit
4. S. C. Department of Health and Environmental Control – Approval Permit
5. S. C. Department of Natural Resources
6. U. S. Fish and wildlife Service
7. State Historic Preservation Office
S. C. Department of Archives and History
8. Federal Energy Regulatory Commission
9. South Carolina Electric & Gas Company – Approved Permit

EXISTING PERMITTING CONDITIONS

GENERAL REQUIREMENTS – Commercial Marinas

1. No Commercial Marina facility accommodating ten (10) watercraft or fewer at a time will be permitted any closer than ¼ mile radius to an existing Commercial Multi-use Facility as of {Date}.
2. No Commercial Marina facility accommodating between eleven (11) and one hundred (100) watercraft at a time will be permitted any closer than ½ mile radius to an existing Commercial Multi-use Facility as of {Date}.
3. No Commercial Marina facility accommodating more than one hundred (100) watercraft at a time will be permitted any closer than 1 mile radius to an existing Commercial Multi-use Facility as of {Date}.

Comment: Consider Private multi-slip facilities for this restriction.

MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
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4. Any proposed Commercial Marina facility located within the ½ mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
5. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time must be located a minimum of 150' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
6. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time must be located a minimum of 250' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
7. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time must be located a minimum of 300' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.
9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.
10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
11. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time shall be located within a minimum distance of 500 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

Comment: Provide diagram or sketch for these requirements.

Comment: Provide diagram or sketch for these requirements.

MEETING NOTES

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12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.
14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.
- 15.
16. No Commercial Marina facilities will be permitted to have covers over the slips.
17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation of appropriate State and federal resource agencies and regulatory authorities.
18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.
19. Applicant will be required to conduct a 5-year Baseline Environmental Water Quality Monitoring Plan – see attached sheet.
20. Commercial Marina facilities with greater than ten (10) watercraft or which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems that are available for public use.
21. Commercial Marina facilities must provide public restrooms.
22. Commercial Marina facilities are encouraged to provide public fishing access areas.
23. Commercial Marina facilities must comply with all local, county, state and federal regulations.
24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

Comment: Look into this further.

MEETING NOTES

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September 19, 2006***

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Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

GENERAL REQUIREMENTS – Residential Multi-slip Docks

Easement Property:

1. The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour.
2. No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour.
3. A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option.

Comment: To be reviewed before this section is finalized.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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September 19, 2006*

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4. Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer.
5. Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone.
6. One boat per slip for a Residential Multi-slip Dock.
7. Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property.
8. This option is available for multi-unit or multi-lot properties.
9. Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction.

Comment: This should be true for all multi-slip docks.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC*

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Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

Kacie Jensen

From: Alison Guth
Sent: Thursday, October 19, 2006 5:15 PM
To: 'Kenneth Fox'; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; John Frick (jsfrick@mindspring.com); Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Beber
Cc: Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: Draft Lake and Land TWC Notes - Oct 10

Good Afternoon,

Attached are the draft meeting notes from the last Lake and Land Management TWC. Please have any comments or corrections back to me by November 2. Thanks, Alison



2006-10-10 draft
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
October 10, 2006**

Draft acg 10-19-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Randy Mahan, SCANA Services, Inc.
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Dick Christie, SCDNR	Tom Eppink, SCANA Services, Inc.
Roy Parker, LMA	Kenneth Fox, LMA
Steve Bell, Lake Watch	John Frick, landowner
Van Hoffman, SCANA	Mike Murrell, LMA
Tony Bebber, SCPRT	David Hancock, SCE&G

HOMEWORK:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR’s proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography
- Develop introduction section to criteria – Dick Christie, SCE&G
- Revise the term “greenspace” – TWC Members

DATE OF NEXT MEETING: **October 31, 2006 at 9:30 a.m.**
Located at Carolina Research Park

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Discussion about Meeting Topic:

The group began discussions and Alan S. noted that based on the last meeting, they would finalize the draft of the criteria for multi-slip docks on easement property. Steve B. asked for an clarification of the issues regarding private multi-slip docks. David H. replied that it was his understanding that multi-slip docks were considered a benefit in that it prevented individual docks from occupying every 100 ft of shoreline. Steve B. agreed and added that the main benefit as he

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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understood it is the reduction in size of the public marinas and their impacts on public waters. Tommy B. also noted that private multi-slip developments provide off-water access with a community dock and ramp.

Residential Multi-Slip Docks on Easement Property Criteria Review:

As the group began to interactively review the criteria, Tommy explained that the criteria was designed with incentives for multi-slip facilities. It was explained that if a certain amount of land was counted toward a multi-slip facility's slip count, then a developer would not be allowed to also add individual docks on that property. Ron A. pointed out that a developer should not be allowed slip credit for areas with environmentally sensitive areas. He continued to explain that this would encourage the developer to place individual docks on all the areas that were possible and count the ESA's toward a multi-slip dock. After much discussion on this topic the group decided that the developer could only count ESA's toward his slip credit if he is to implement a buffer area. It was also encouraged that the buffer area be deeded to the homeowners association of that development.

The group then discussed the need for an introduction section to the criteria explaining the objective. This was assigned as a homework item. The group also had discussions regarding the length of shoreline for slip credit. The group considered rounding odd and half numbers of slip credits up to even numbers (ex, 37.5 would be rounded up to 38). The group decided that for properties without the implemented buffer, the numbers would be rounded down, but the number would be rounded up for those that did implement a buffer area.

The Lake Murray Association expressed concern that there are tracts of land that could be sold that are large enough to qualify for very large multi-slip facilities. David H. reminded the TWC that the criteria still had a 200 slip limitation in place. Steve B. noted that he believed a slip limitation was important to have in place.

The group also discussed how far a multi-slip facility needs to be placed from an adjacent property owner and from what point with that length be measured. It was explained that the facility must be located 150 ft from the adjacent property owner measured from the point where the dock crosses the 360'. Ron A. expressed that the measurement should be taken from the corner of the first slip, in the event the facility was running parallel with the shoreline. Tommy B. noted that a multi-slip facility running flat up against the shoreline was not something that they typically would permit. Tommy B. continued to explain that if they had to go with an orientation like that they would try to place it out perpendicular with the shoreline, or center it up along the shoreline. Tommy B. further noted that they would not place a facility over the projected property line. Steve B. noted that if the multi-slip dock does not extend past the projected property line then he was satisfied. The group agreed that the final placement of the facility will be up to the discretion of SCE&G. Ron A. agreed that he was content with the decision and noted that his main concerns were regarding the sprawling of facilities.

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The group discussed that the definition of the buffer zone that SCE&G manages needs to be distinguished from the voluntary buffer zone that the group was proposing. The group temporarily renamed the voluntary buffer zone "greenspace". The group noted that the definition of greenspace would be included in the objective section of the criteria. There was some disagreement among the group that greenspace was the best definition for the area, subsequently, a homework item for the group was to come up with alternative definitions.

The TWC expressed concern about homeowners pulling their pontoon boats onto the shoreline and leaving them there for long periods of time. Tommy B. noted that it is currently not a problem along Lake Murray Shoreline, however it is possible that it could become a problem in the future. Tommy B. added that he believed that lake levels would have a lot of control over this issue. Randy M. suggested placing a statement in the Lake Murray Handbook that included items on how to be a good neighbor, such as not parking your boat on the shoreline, not leaving trash around, etc. The group agreed to put this issue in the parking lot for further discussion.

After lunch the group reviewed and agreed to the criteria developed for Residential Multi-slips on Easement Property. The TWC concluded that it provided good incentives for the homeowner to implement a multi-slip facility as opposed to individual docks. The group also briefly discussed changing the General Permit. Tommy B. noted that they may hold off on any revisions to the General Permit until the final SMP comes out. It was also noted that the size of boats would be limited to 30 ft at new residential multi-slip facilities.

Alan S. noted that the next item for discussion was the Private Marinas (yacht clubs). The group agreed that Private Marinas would fall under the same criteria as developed for Residential Multi-slip marinas.

The group then began to review homework items and prepare an agenda for the next meeting.

Homework items were listed as follows:

- Van H. - Fringeland presentation
- David H and Tommy B. - Future development strawman
- David H and Tommy B. – Marina siting maps
- Ron A.– verify DNR's proposal for rebalancing .
- Van H. – Map depicting width of fringelands
- Tommy B. & David H. – provide group with current aerial photography

Agenda items for the next meeting:

- Presentation on Fringelands – Van Hoffman

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-
- Review of Fringeland Width Maps – Developed by Van Hoffman
 - Presentation of DNR's Proposal for Rebalancing – Ron Ahle

Agenda items for an upcoming meeting:

- Land rebalancing and reclassification – need recreation study results
- Aquatic plant management presentation – Steve DeKozlowski

Ron A. also noted that DNR would like to see a map showing the locations of docks on fringelands that have not been sold. Ron continued to note that it would be also helpful to see a map depicting the width of fringelands, especially those that are less than 75'. Van H and David H. noted that there were difficulties when developing this map but that they would work on developing an adequate map for the next meeting. Group decided to schedule the next meeting for October 31st at Carolina Research Park.

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**D R A F T
STRAW MAN**

RESIDENTIAL MULTI-SLIP DOCKS AND PRIVATE MARINAS

EASEMENT PROPERTY

1. In lieu of individual docks, multi-slip docks may be permitted based on shoreline footage.
2. No individual dock will be permitted within a multi-slip dock development.
3. To participate in the multi-slip dock program the development must have a minimum of 500 feet of shoreline. Property with less than 500 feet will be evaluated for individual or shared docks.
4. An ESA is not to be included in the total shoreline distance when evaluating multi-slip docks unless a minimum 50-foot Greenspace is established on the entire shoreline. One slip will be allowed for each 100 feet of shoreline with an ESA with a minimum 50-foot Greenspace on the entire shoreline. And two slips per 100 feet of shoreline of non-ESA shoreline.
5. Up to 1.5 slips per 100 feet of shoreline will be allowed with no Greenspaces or no ESA shoreline. With a minimum 50-foot Greenspace on the entire shoreline, two slips per 100 feet will be approved.
6. Fractions of slips for properties without a Greenspace will be rounded down to an even number of slips. (e.g., between 14 ½ and 15 ½ slips will be rounded down to 14 slips.)
7. Multi-slip docks must be a minimum of 150 feet from the adjoining property from each outside edge of the dock walkway at the 360-foot contour line to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.
8. Final placement of the multi-slip facility will be subject to the SCE&G Lake Management approval.
9. A minimum distance of 500 feet across cove measured from the 360-foot contour elevation to 360-foot contour elevation.

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MEETING NOTES

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- ~~10. The minimum 50-foot Greenspace Landscape Plan that must be consistent with the established Buffer Zone Management Plan Guidelines shall be submitted and approved by SCE&G Lake Management.~~
11. Access to multi-slip docks must be provided by the developer.
- ~~12. An access path will be allowed in the Greenspace and must be identified in the Greenspace Landscape Plan.~~
- ~~13. SCE&G requires the developer to establish a homeowner's association to administer the neighborhood multi-slip dock program. The Greenspace should be deeded to the homeowner's association. SCE&G encourages the homeowner's association to create an environmental stewardship committee within the homeowner's association to help monitor the Greenspace.~~
14. Multi-slip dock facilities which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.

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Kacie Jensen

From: bellsteve9339@bellsouth.net
Sent: Tuesday, October 17, 2006 11:25 AM
To: Jennifer Summerlin; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; jsfrick@mindspring.com; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: bellsteve9339@bellsouth.net
Subject: Re: Saluda Relicensing: September 19th Lake and Land Management TWC meeting notes



2006-09-19_Lake_a
nd_Land_TWC_D...

Jennifer- Below are track changes--Steve Bell- 730-8121

>
> From: "Jennifer Summerlin" <Jennifer.Summerlin@KleinschmidtUSA.com>
> Date: 2006/10/03 Tue AM 10:28:14 EDT
> To: "Van Hoffman" <vhoffman@scana.com>,
> "Alan Stuart" <alan.stuart@kleinschmidtusa.com>,
> "Alison Guth" <alison.guth@kleinschmidtusa.com>,
> "Amanda Hill" <amanda_hill@fws.gov>,
> "Bill Argentieri" <bargentieri@scana.com>,
> "David Hancock" <dhancock@scana.com>,
> "Dick Christie" <dchristie@infoave.net>,
> <jsfrick@mindspring.com>,
> "Joy Downs" <elymay2@aol.com>,
> "Randy Mahan" <rmahan@scana.com>,
> "Rhett Bickley" <rbickley@lex-co.com>,
> "Ron Ahle" <ahler@dnr.sc.gov>,
> "Ronald Scott" <rscott@lex-co.com>,
> "Roy Parker" <royparker38@earthlink.net>,
> "Steve Bell" <bellsteve9339@bellsouth.net>,
> "Tom Ruple" <truple@sc.rr.com>,
> "Tommy Boozer" <tboozer@scana.com>,
> "Tony Bebber" <tbebber@scprt.com>
> Subject: Saluda Relicensing: September 19th Lake and Land Management
> TWC meeting notes
>
> Hello Folks,
>
> Please disregard the previous email containing the September 19th Lake
> and Land Management TWC meeting notes. I had to make a few changes.
> Attached for your review are the edited September 19th Lake and Land
> Management meeting notes! Sorry for the confusion! Have a great day!
>
> <<2006-09-19 Lake and Land TWC Draft-jms-1.doc>>
>
> Jennifer Summerlin
> Scientist Technician
> Kleinschmidt Associates
> 101 Trade Zone Drive, Suite 21A
> West Columbia, SC 29170
> P: 803.822.3177
> F: 803.822.3183
>
>
>
>

Kacie Jensen

From: Dave Anderson
Sent: Monday, October 16, 2006 9:22 AM
To: Dave Anderson; 'Van Hoffman'; 'Alan Axson'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'Bill Brebner'; 'Bill Marshall'; 'Charlene Coleman'; 'Charlie Rentz'; Dave Anderson; 'David Hancock'; 'Dick Christie'; 'George Duke'; 'Gerrit Jobsis (American Rivers)'; 'Guy Jones'; 'Irvin Pitts (ipitts@scprt.com)'; 'Jeff Duncan'; 'Jennifer O'Rourke'; Jennifer Summerlin; 'Jim Devereaux'; 'JoAnn Butler'; 'Joy Downs'; 'Karen Kustafik'; 'Keith Ganz-Sarto'; Kelly Maloney; 'Larry Turner (turnerle@dhec.sc.gov)'; 'Lee Barber'; 'Malcolm Leaphart'; 'Mark Leao'; Marty Phillips; 'Mike Waddell'; 'Miriam Atria'; 'Norman Ferris'; 'Patricia Wendling'; 'Patrick Moore'; 'Ralph Crafton'; 'Randy Mahan'; 'Regis Parsons (rparsons12@alltel.net)'; 'Richard Mikell'; 'Steve Bell'; 'Suzanne Rhodes'; 'Tim Vinson'; 'Tom Brooks'; 'Tommy Boozer'; 'Tony Bebbler'
Subject: Reminder: 09-20-06 Downstream Flows TWC Meeting Notes

[Just a reminder that any comments/edits are due by October 18th.](#)

Please have any comments/edits to me by October 18th. Note I have included the version of the study plan we discussed at the meeting and the comment matrix that was provided to the DFTWC prior to the meeting. While we have finalized this study plan since the meeting (a final version will be distributed later today), I thought providing the documents we discussed would provide some perspective for the meeting notes.

<< File: 2006-09-20 DFTWC Meeting Note (DRAFT).doc >> << File: Draft Flow Assessment Study Plan (9-13-06).doc >> << File: Response to Comments on Draft Plan (09-13-06).doc >>

Kacie Jensen

From: Alison Guth
Sent: Thursday, October 05, 2006 3:52 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (jpitts@scprt.com); Jennifer O'Rourke; John Frick (jsfrick@mindspring.com); Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbber
Subject: Final Sept. 5 Lake and Land Notes

Dear Lake and Land RCG and TWC Members,

Attached is the final set of meeting notes from the September 5 TWC meeting. Email me if you have any questions.
Thanks, Alison



2006-9-5 Final
Meeting Minutes...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
September 5, 2006**

Final acg 10-5-06

During discussions on the permitting process, Tommy proposed an alternative process for permitting Commercial Marinas that has been considered by SCE&G. He explained that this process would require the marina or proposed marina to meet basic criteria before progressing through an in-depth committee review process with SCE&G, agencies, and possibly a few NGO individuals. He noted that during the committee review the potential marina owners could provide the committee with a presentation on what was planned for the marina. The group agreed with this concept.

Joy Downs noted that it may be beneficial to encourage dry storage rather than wet slips at marinas and asked the group what incentives could be provided to marinas to put dry storage in place. Steve Bell agreed, and noted that he believed that the boat "parking lots" on the lake needed to be kept as small as possible. However, he added that the business owners still needed to be considered in the equation, and he thought it a good idea to talk with the marina owners. In the discussion on dry storage options, Van Hoffman pointed out that dry storage was not without its drawbacks due to the large buildings that effect aesthetics and the need to excavate an area. Group discussed that there were drawbacks to both wet slips as well as dry.

There was some discussion on information gathering from marina operators, and Steve Bell suggested that a survey be given to marina operators. Steve Bell added that it may help to answer questions on if size limitations on facilities are going to prevent the facilities from continuing business or new facilities from coming in. There was agreement among some individuals in the group that a survey was needed. Roy Parker also suggested looking at a few marinas that serve as desirable examples aesthetics wise, water quality wise, etc. Dick Christie added that another information need may be what percentage of the boating public actually use commercial marinas.

After some brainstorming the group began to list what criteria was needed from a prospective marina owner if a new marina was proposed. Interactively the group developed the following list of criteria:

New Commercial Marina Information Needs

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas

MEETING NOTES

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**SCE&G Training Center
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- Provide incentives for privately owned commercial marinas vs. SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Roy asked if Tommy would give his view on a desirable marina, as well as the issues regarding the public marinas. Tommy briefly discussed a few of the items that he frequently deals with regarding public marinas and highlighted that most of them frequently ask for more slips as well note that they cannot compete with State and SCE&G sites such as Billy Dreher Island. Speaking to the question of which marina may be a desirable example, Tommy explained that many provide the same access and amenities, however, some are more recently renovated, citing Lighthouse Marina as an example. Tommy did not note, however, that being recently renovated made Lighthouse Marina any better of an example than some of the older facilities that provided the same access.

After the group concluded the general discussion and suggestions, the group moved to talk about the initial criteria that would be required of a new marina in order to make a proposal for a permit. Alan recapped that there would be general criteria that the prospective marina would have to meet before providing information, answering the above listed information needs, to a panel for review. Draft changes from the interactive review of the current criteria is attached below.

The group generally agreed that the criteria for the commercial marinas should be less stringent than private marinas. Such as a higher number of slips may be allowed per area for a commercial marina than a private marina. Tommy noted that he would review all proposed changes on the radius map and the group would revisit items if needed.

While reviewing the criteria Ron suggested that buffer zones be established horizontally between ESA's and commercial marinas where the dock crosses the 360. The group came to the agreement on a 100-foot distance along the 360-foot contour from an ESA.

The group took some time to review and discuss the definition of a narrow cove. After some discussion the group decided that depending on the number of slips, there would need to be at least 350' to 750' extending from the 360 foot to the 360 foot contour across the cove or waterway where the dock is located.

Steve Bell noted that he was concerned that if the number of slips is not limited, a landowner may be able to expand greatly into the waterway. Tommy acknowledged his concern but also noted that he would like to retain the flexibility to allow for 250 slips or so at a site that has been set aside and there is minimum impact to adjoining property owners. Tommy cited Dreher Island as an example. Dick Christie suggested leaving a maximum at 200 and increasing it during a subsequent review

MEETING NOTES

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period if necessary. Steve also asked if this issue could be placed in the parking lot for review at a later date.

The group concluded the discussion on the criteria for Commercial Marinas and noted that they would be discussing Private Marinas on September 19th, 2006. Before adjourning there was a brief review of items that the group would still give thought to:

- The review process for commercial marinas
- Criteria for the commercial marina review process
- Incentives for dry storage
- Size of commercial marinas (# of slips)
- Expiration of permit if there is a change of use
- Protection of aesthetics
- Buffer zones for dry storage areas
- Survey of marina users
- Economics
- Percent of boaters using public marinas.

LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility - ~~Commercial, Private~~, Private Residential.

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TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.
Boat Launching, Boat Storage – Wet and Dry
Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp
Sail Clubs, Yacht Club, Private Clubs
Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marinas

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water
Lots, Condominiums, Multi-family Development, Subdivisions
Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
Timberlake

Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock
On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

REGULATORY REQUIREMENTS

1. Initial consultation with SCE&G Lake Management Department
2. County Zoning Requirements
3. U. S. Army Corps of Engineers – Approval Permit
4. S. C. Department of Health and Environmental Control – Approval Permit
5. S. C. Department of Natural Resources
6. U. S. Fish and wildlife Service
7. State Historic Preservation Office
S. C. Department of Archives and History
8. Federal Energy Regulatory Commission
9. South Carolina Electric & Gas Company – Approved Permit

EXISTING PERMITTING CONDITIONS

GENERAL REQUIREMENTS – Commercial Marinas

1. No Commercial Marina facility accommodating ten (10) watercraft or fewer at a time will be permitted any closer than ¼ mile radius to an existing Multi-use Facility.
2. No Commercial Marina facility accommodating between eleven (11) and one hundred (100) watercraft at a time will be permitted any closer than ½ mile radius to an existing Multi-use Facility.
3. No Commercial Marina facility accommodating more than one hundred (100) watercraft at a time will be permitted any closer than 1 mile radius to an existing Multi-use Facility.
4. Any proposed Commercial Marina facility located within the ½ mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
5. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time must be located a minimum of 150' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements, which ever provides for greater distance.

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- Comment:** Provide diagram or sketch for these requirements.
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~~6. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time must be located a minimum of 250' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.~~

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~~7. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time must be located a minimum of 300' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.~~

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~~8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.~~

Comment: Define narrow cove.

Comment: Provide diagram or sketch for these requirements.

~~9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.~~

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~~10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.~~

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~~11. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time shall be located within a minimum distance of 500 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.~~

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~~12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.~~

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~~13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.~~

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~~14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.~~

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23. Commercial Marina facilities must comply with all local, county, state and federal regulations.

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24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

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Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

located in an area where water depths are adequate for the development of the project without requiring any excavation.

From: Alison Guth
Sent: Thursday, October 05, 2006 3:52 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Frick (jsfrick@mindspring.com); Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Final Sept. 5 Lake and Land Notes
Dear Lake and Land RCG and TWC Members,

Attached is the final set of meeting notes from the September 5 TWC meeting. Email me if you have any questions. Thanks, Alison



2006-9-5 Final
Meeting Minutes...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
September 5, 2006**

Final acg 10-5-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Randy Mahan, SCANA Services, Inc.
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Rhett Bickley, Lexington County	Dick Christie, SCDNR
Joy Downs, LMA	Roy Parker, LMA
Steve Bell, Lake Watch	John Frick, landowner
Kim Westbury, Saluda County	Van Hoffman, SCANA
Tony Bebbler, SCPRT	

HOMEWORK:

- Tommy and David to review proposed changes to Commercial Marina Criteria on radius map.

**DATE OF NEXT MEETING: September 19, 2006 at 9:30 a.m.
Located at Carolina Research Park**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan welcomed the group and noted that discussions will be regarding Commercial Marinas. Alan explained that, with the guidance of Tommy Boozer, the group would progress through the current criteria for Commercial Marinas. Tommy noted that while reviewing the criteria, that the group should keep in mind that Commercial Marinas are areas where public access should be promoted.

Before the group directly made changes to the criteria, Tommy reviewed background data with the group. He noted that if a permit is approved for a public marina, than it was important that it stay a public marina under that permit. Tommy also briefly reviewed the general requirements. There was some discussion on incentives that may be provided to the Commercial Marinas in particular. Examples that were discussed included the allowance of more slips at facilities that are open to the public.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Training Center
September 5, 2006*

Final acg 10-5-06

During discussions on the permitting process, Tommy proposed an alternative process for permitting Commercial Marinas that has been considered by SCE&G. He explained that this process would require the marina or proposed marina to meet basic criteria before progressing through an in-depth committee review process with SCE&G, agencies, and possibly a few NGO individuals. He noted that during the committee review the potential marina owners could provide the committee with a presentation on what was planned for the marina. The group agreed with this concept.

Joy Downs noted that it may be beneficial to encourage dry storage rather than wet slips at marinas and asked the group what incentives could be provided to marinas to put dry storage in place. Steve Bell agreed, and noted that he believed that the boat "parking lots" on the lake needed to be kept as small as possible. However, he added that the business owners still needed to be considered in the equation, and he thought it a good idea to talk with the marina owners. In the discussion on dry storage options, Van Hoffman pointed out that dry storage was not without its drawbacks due to the large buildings that effect aesthetics and the need to excavate an area. Group discussed that there were drawbacks to both wet slips as well as dry.

There was some discussion on information gathering from marina operators, and Steve Bell suggested that a survey be given to marina operators. Steve Bell added that it may help to answer questions on if size limitations on facilities are going to prevent the facilities from continuing business or new facilities from coming in. There was agreement among some individuals in the group that a survey was needed. Roy Parker also suggested looking at a few marinas that serve as desirable examples aesthetics wise, water quality wise, etc. Dick Christie added that another information need may be what percentage of the boating public actually use commercial marinas.

After some brainstorming the group began to list what criteria was needed from a prospective marina owner if a new marina was proposed. Interactively the group developed the following list of criteria:

New Commercial Marina Information Needs

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Training Center
September 5, 2006*

Final acg 10-5-06

- Provide incentives for privately owned commercial marinas vs. SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Roy asked if Tommy would give his view on a desirable marina, as well as the issues regarding the public marinas. Tommy briefly discussed a few of the items that he frequently deals with regarding public marinas and highlighted that most of them frequently ask for more slips as well note that they cannot compete with State and SCE&G sites such as Billy Dreher Island. Speaking to the question of which marina may be a desirable example, Tommy explained that many provide the same access and amenities, however, some are more recently renovated, citing Lighthouse Marina as an example. Tommy did not note, however, that being recently renovated made Lighthouse Marina any better of an example than some of the older facilities that provided the same access.

After the group concluded the general discussion and suggestions, the group moved to talk about the initial criteria that would be required of a new marina in order to make a proposal for a permit. Alan recapped that there would be general criteria that the prospective marina would have to meet before providing information, answering the above listed information needs, to a panel for review. Draft changes from the interactive review of the current criteria is attached below.

The group generally agreed that the criteria for the commercial marinas should be less stringent than private marinas. Such as a higher number of slips may be allowed per area for a commercial marina than a private marina. Tommy noted that he would review all proposed changes on the radius map and the group would revisit items if needed.

While reviewing the criteria Ron suggested that buffer zones be established horizontally between ESA's and commercial marinas where the dock crosses the 360. The group came to the agreement on a 100-foot distance along the 360-foot contour from an ESA.

The group took some time to review and discuss the definition of a narrow cove. After some discussion the group decided that depending on the number of slips, there would need to be at least 350' to 750' extending from the 360 foot to the 360 foot contour across the cove or waterway where the dock is located.

Steve Bell noted that he was concerned that if the number of slips is not limited, a landowner may be able to expand greatly into the waterway. Tommy acknowledged his concern but also noted that he would like to retain the flexibility to allow for 250 slips or so at a site that has been set aside and there is minimum impact to adjoining property owners. Tommy cited Dreher Island as an example. Dick Christie suggested leaving a maximum at 200 and increasing it during a subsequent review

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
September 5, 2006**

Final acg 10-5-06

period if necessary. Steve also asked if this issue could be placed in the parking lot for review at a later date.

The group concluded the discussion on the criteria for Commercial Marinas and noted that they would be discussing Private Marinas on September 19th, 2006. Before adjourning there was a brief review of items that the group would still give thought to:

- The review process for commercial marinas
- Criteria for the commercial marina review process
- Incentives for dry storage
- Size of commercial marinas (# of slips)
- Expiration of permit if there is a change of use
- Protection of aesthetics
- Buffer zones for dry storage areas
- Survey of marina users
- Economics
- Percent of boaters using public marinas.

LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility - ~~Commercial, Private~~, Private Residential.

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TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.
Boat Launching, Boat Storage – Wet and Dry
Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp
Sail Clubs, Yacht Club, Private Clubs
Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marinas

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water
Lots, Condominiums, Multi-family Development, Subdivisions
Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
Timberlake

Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock
On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

REGULATORY REQUIREMENTS

1. Initial consultation with SCE&G Lake Management Department
2. County Zoning Requirements
3. U. S. Army Corps of Engineers – Approval Permit
4. S. C. Department of Health and Environmental Control – Approval Permit
5. S. C. Department of Natural Resources
6. U. S. Fish and wildlife Service
7. State Historic Preservation Office
S. C. Department of Archives and History
8. Federal Energy Regulatory Commission
9. South Carolina Electric & Gas Company – Approved Permit

EXISTING PERMITTING CONDITIONS

GENERAL REQUIREMENTS – Commercial Marinas

1. No Commercial Marina facility accommodating ten (10) watercraft or fewer at a time will be permitted any closer than ¼ mile radius to an existing Multi-use Facility.
2. No Commercial Marina facility accommodating between eleven (11) and one hundred (100) watercraft at a time will be permitted any closer than ½ mile radius to an existing Multi-use Facility.
3. No Commercial Marina facility accommodating more than one hundred (100) watercraft at a time will be permitted any closer than 1 mile radius to an existing Multi-use Facility.
4. Any proposed Commercial Marina facility located within the ½ mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
5. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time must be located a minimum of 150' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.

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6. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time must be located a minimum of 250' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.

7. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time must be located a minimum of 300' from each outside edge of the dock walkway to the nearest common property line between the proposed development property and the adjacent property owner, or meet minimum County zoning requirements; which ever provides for greater distance.

8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.

9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.

10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

11. Commercial Marina facilities accommodating between eleven (11) and one hundred (100) watercraft at a time shall be located within a minimum distance of 500 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.

13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.

14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.

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16. No Commercial Marina facilities will be permitted to have covers over the requested slips.

17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation with appropriate State and federal resource agencies and regulatory authorities.

18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.

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Discussion

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Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
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Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

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Footage of shoreline of ESA to be included in total shoreline footage

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From: Alison Guth
Sent: Wednesday, September 20, 2006 2:04 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Frick (jsfrick@mindspring.com); Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Final Meeting Notes - 8-22 & 8-24
Hello all,

Attached are the final meeting notes from the August 22nd Lake and Land Management RCG and the August 24th Lake and Land Management TWC. Thanks, Alison



2006-8-22 Final Meeting Minute...



2006-8-24 final Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

DATE OF NEXT MEETING: **October 10, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact homeowners. Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline.

The group began discussing criteria for residential multi-dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

- The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour;
- No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour;
- A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option;
- Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer;
- Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone;
- One boat per slip for a Residential Multi-slip Dock;

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

- Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property;
- This option is available for multi-unit or multi-lot properties;
- Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction;

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. Track changes for general requirements for residential multi-slip docks can be viewed in Appendix A.. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of docks,, etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

Appendix A

Lake Murray Multi-Use Docks Projects

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility -

~~Commercial, Private, Private Residential.~~

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TYPES OF MULTI-USE DOCK MARINAS

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Facility opens to the General Public.

Boat Launching, Boat Storage – Wet and Dry

Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp

Sail Clubs, Yacht Club, Private Clubs

Pay a membership fee to participate

Example: Windward Point Yacht Club
Columbia Sail Club
Pine Island

Private Residential Marinas

Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water Lots,
Condominiums, Multi-family Development, Subdivisions

Not open to the General Public

Example: Spence Point
Land's End
Night Harbor
Harbor Watch
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

Common Access Areas – Residential / 360 and Setback Access

Boat Ramp and Courtesy Dock

On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

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8. The proposed Commercial Marina should be located within the confines of the imaginary projected property lines as they extend lakeward.
9. Commercial Marina facilities must be located a minimum of 100 feet from an Environmentally Sensitive Area.
10. Commercial Marina facilities accommodating ten (10) watercraft or fewer at a time shall be located within a minimum distance of 350 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.
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~~12. Commercial Marina facilities accommodating more than one hundred (100) watercraft at a time shall be located within a minimum distance of 750 feet extending from the 360 foot to the 360 foot contour across the cove or waterway.~~

~~13. No Commercial Marina facility may encroach or extend more than one-third the distance across any cove area or waterway.~~

14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.

~~15.~~

~~16. No Commercial Marina facilities will be permitted to have covers over the requested slips.~~

~~17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation with appropriate State and federal resource agencies and regulatory authorities.~~

18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.

19. Applicant will be required to conduct a 5-year Baseline Environmental Water Quality Monitoring Plan – see attached sheet.

~~20. Commercial Marina facilities with greater than ten (10) watercraft or which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.~~

~~21. Commercial Marina facilities must provide public restrooms.~~

~~22. Commercial Marina facilities are encouraged to provide public fishing access areas.~~

~~23. Commercial Marina facilities must comply with all local, county, state and federal regulations.~~

24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

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Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

GENERAL REQUIREMENTS – Residential Multi-slip Docks

Easement Property:

1. The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour.
2. No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour.
3. A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option.

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4. Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer.
5. Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone.
6. One boat per slip for a Residential Multi-slip Dock.
7. Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property.
8. This option is available for multi-unit or multi-lot properties.
9. Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction.

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Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

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A minimum distance of 350 feet must be maintained between the lakeward extension of the multi-use docking facility and the 360' contour on the opposite shoreline.		
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located in an area where water depths are adequate for the development of the project without requiring any excavation.		
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before the commercial dock facility can be placed in service		
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Kacie Jensen

From: Jennifer Summerlin
Sent: Tuesday, October 03, 2006 10:28 AM
To: 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'David Hancock'; 'Dick Christie'; 'John Frick (jsfrick@mindspring.com)'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'
Subject: Saluda Relicensing: September 19th Lake and Land Management TWC meeting notes

Hello Folks,

Please disregard the previous email containing the September 19th Lake and Land Management TWC meeting notes. I had to make a few changes. Attached for your review are the edited September 19th Lake and Land Management meeting notes! Sorry for the confusion! Have a great day!



2006-09-19 Lake
and Land TWC D...

Jennifer Summerlin
Scientist Technician
Kleinschmidt Associates
101 Trade Zone Drive, Suite 21A
West Columbia, SC 29170
P:803.822.3177
F:803.822.3183

MEETING NOTES

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SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

DATE OF NEXT MEETING: **October 10, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
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draft JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact homeowners. Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline.

The group began discussing criteria for residential multi-dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

- The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour;
- No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour;
- A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option;
- Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer;
- Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone;
- One boat per slip for a Residential Multi-slip Dock;

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- Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property;
- This option is available for multi-unit or multi-lot properties;
- Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction;

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. Track changes for general requirements for residential multi-slip docks can be viewed in Appendix A.. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of docks,, etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

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Appendix A

Lake Murray Multi-Use Docks Projects

MEETING NOTES

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LAKE MURRAY MULTI-USE DOCKS PROJECTS

Definition

Multi-use docks are docks that will accommodate four (4) or more watercraft simultaneously and for which a user fee or maintenance fee is charged for the use or upkeep of the facility -

~~Commercial, Private, Private Residential.~~

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TYPES OF MULTI-USE DOCK MARINAS

Commercial Marina:

Facility opens to the General Public.

Boat Launching, Boat Storage – Wet and Dry

Food, Gas, Boat Repairs, etc.

Example: Jake's Landing,
Dreher Island State Park
Lake Murray Marina
Light House Marina
South Shore Marina
Siesta Cove

Private Marina

Multi-use Docks and Boat Ramp

Sail Clubs, Yacht Club, Private Clubs

Pay a membership fee to participate

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Multi-slip Docks and Boat Ramp, Residential Development Both on Water and Off Water Lots,
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Not open to the General Public

Example: Spence Point
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Night Harbor
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Boat Ramp and Courtesy Dock

On and Off Water Lots

Example: Clear Water
Forty Love
Harbor View
Indian Fork

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4. Any proposed Commercial Marina facility located within the 1/2 mile radius of an existing facility but separated by a peninsula will be located on the opposite side of the peninsula and will be required to have a minimum linear shoreline distance along the 360 contour of three (3) miles between the existing and proposed Multi-use Facility.
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14. A maximum development limit of 200 on-water slips to accommodate watercraft will be permitted. The buildout period must conform to the U. S. Army Corps of Engineers and S.C. Department of Health and Environmental Control permit time frame.

~~15.~~

~~16. No Commercial Marina facilities will be permitted to have covers over the requested slips.~~

~~17. Excavations for Commercial Marina facilities to improve public access may be considered on a case-by-case basis with consultation with appropriate State and federal resource agencies and regulatory authorities.~~

18. The construction or use of Commercial Marina facilities must in no way be detrimental to the existing water quality.

19. Applicant will be required to conduct a 5-year Baseline Environmental Water Quality Monitoring Plan – see attached sheet.

~~20. Commercial Marina facilities with greater than ten (10) watercraft or which accommodate watercraft with marine sanitation facilities will be required to install, operate, and maintain sewer pump-out disposal systems.~~

~~21. Commercial Marina facilities must provide public restrooms.~~

~~22. Commercial Marina facilities are encouraged to provide public fishing access areas.~~

~~23. Commercial Marina facilities must comply with all local, county, state and federal regulations.~~

24. Applicant must sign and complete the Commercial Marina Application Agreement before SCE&G will process a permit request.

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

Discussion

NEW CRITERIA FOR MULTI-USE DOCKS

Commercial Marina

- Size (minimum and/or maximum number of slips)
- Location
- Environmental issues (aesthetics, WQ, dredging, traffic, parking lot runoff, dry storage, PetroSoil material for oil absorption)
- Local authorities (traffic to facility, road issues)
- Layout, scope of facilities (fuel, parking, waste pump-out facility)
- Economics – profitability of new and existing marinas
- What % of lake users are accommodated by commercial marinas
- Provide incentives for privately owned commercial marinas vs SCE&G managed or existing facilities
- Minimum criteria that an applicant will need to request a permit for a new commercial marina

Private Marina

Private Residential Marina/Slips

Common Access Areas

Expanding of Existing Marina Facilities

Public and Private

GENERAL REQUIREMENTS – Residential Multi-slip Docks

Easement Property:

1. The easement property owner may either have single private docks or a Residential Multi-slip Dock as described below for each 100-foot wide buildable lot on the 360-foot contour.
2. No more than one 20 slip Residential Multi-slip Dock per 1,000 feet linear shoreline on the 360-foot contour.
3. A minimum of 400 feet distance of shoreline on the 360 foot contour will be needed for the Residential Multi-slip Dock option.

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

4. Easement property owner may request 1.5 slips per 100-foot lot on the 360-foot contour with no buffer.
5. Easement property owner may request two slips per 100-foot lot on the 360-foot contour if they agree to maintain a 25-foot non-disturbance buffer zone.
6. One boat per slip for a Residential Multi-slip Dock.
7. Residential Multi-slip Docks must be placed at least 150 feet from the adjoining property.
8. This option is available for multi-unit or multi-lot properties.
9. Final placement of Residential Multi-slip Docks are subject to SCE&G Lake Management direction.

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

Criteria for Multi-slip vs. Private Individual Docks

Number of slips per shoreline footage

Example: Two (2) slips per 100 feet of shoreline

Maximum number

Minimum number

Incentives

Shoreline Protection/Buffer

Multi-slip Dock

Easement Property vs. Setback Property

Footage of shoreline of ESA to be included in total shoreline footage

Definition of Cove

100' to 400' width

Aerial Photographs

Tapp Property

McMeekin Property

Rawls Property

R. B. Baker Tract

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A minimum distance of 350 feet must be maintained between the lakeward extension of the multi-use docking facility and the 360' contour on the opposite shoreline.		
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located in an area where water depths are adequate for the development of the project without requiring any excavation.		
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Applicant, if required, by DHEC		
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before the commercial dock facility can be placed in service		
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Kacie Jensen

From: Jennifer Summerlin
Sent: Monday, October 02, 2006 4:43 PM
To: 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Bill Argentieri'; 'David Hancock'; 'Dick Christie'; 'John Frick (jsfrick@mindspring.com)'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebber'
Cc: Alison Guth
Subject: Saluda Relicensing: Sept. 19th Lake and Land Management TWC meeting notes

Hello Folks,

Attached for your review are the September 19, 2006 Lake and Land management TWC meeting notes. Please review and have comments back by October 16th.



2006-09-19 Lake
and Land TWC D...

Thanks,

Jennifer Summerlin
Scientist Technician
Kleinschmidt Associates
101 Trade Zone Drive, Suite 21A
West Columbia, SC 29170
P:803.822.3177
F:803.822.3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
SAFETY RESOURCE GROUP**

**Carolina Research Park, SCE&G Building
September 19, 2006**

draft JMS 10-2-06

ATTENDEES:

Bill Argentieri, SCE&G	Alan Stuart, Kleinschmidt Associates
Jeni Summerlin, Kleinschmidt Associates	Steve Bell, Lake Watch
Randy Mahan, SCANA Services	Tony Bebber, SCPRT
David Hancock, SCE&G	John Frick, Lake Murray Homeowner
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
Joy Downs, LMA	Rhett Bickley, Lex. Co Sheriff's Dept.
Roy Parker, LMA	Van Hoffman, SCE&G

ACTION ITEMS:

- Review multi-slip dock permit criteria
Everyone
- Develop citing criteria for multi-slip dock permits
Everyone

**DATE OF NEXT MEETING: October 10, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
SAFETY RESOURCE GROUP**

*Carolina Research Park, SCE&G Building
September 19, 2006*

draft JMS 10-2-06

MEETING NOTES:

These notes serve as a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart welcomed everyone and noted that the purpose of today's meeting would be to discuss criteria for private multi-slip dock permits for Lake Murray. He noted that David Hancock calculated the number of private and public multi-slip docks located around Lake Murray. David noted that there were 904 slips at public multi-slips marinas, 1350 slips at private multi-slip marinas (subdivisions, sporting clubs), and 268 proposed slips at multi-slip marinas that have not been permitted. He pointed out that there are a total of 9,000 individual docks in Lake Murray.

There was a brief discussion on the rights of homeowners, and Steve Bell noted that he was concerned about the amount of space the multi-slip docks would use and how it will impact homeowners. Randy Mahan explained that there are water and FERC rights, but SCE&G owns the land around Lake Murray except for the private property owners who did not give up their title. Randy suggested to the group that public and private use of the shoreline should be discussed first. Tommy Boozer noted that the group should develop criteria for multi-slip dock permits. It was noted that the goal of the Lake and Land Management Technical Working Committee was to protect the shoreline. Tommy noted that multi-slip docks will aid in protecting the shoreline in that it will reduce the amount of individual docks along the shoreline.

The group began discussing criteria for residential multi- dock permits, and Tommy noted that the only people who would have access to these multi-slip docks would be lake-front property owners. The group developed the following list of specific criteria for the multi-slip dock general permit:

- Minimum of 400 ft of shoreline to have a multi-slip dock on 300 ft of contour;
- Up-to 1.5 slips / 100 ft of shoreline (no buffer);
- 1 slip = 1 boat;
- 150 ft from adjoining property;
- Available for multi-units or lots;
- 1 multi-slip dock per 1000 ft linear shoreline; and
- Final placement of facility subject to SCE&G Lake and Land Management approval.

Alan noted, and the group agreed, that the list of criteria for the multi-slip dock permits should be reviewed by all committee members to provide comments for the next meeting. He also mentioned that the group should begin thinking about citing criteria (depth of cover, allowable length of

MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
SAFETY RESOURCE GROUP***

***Carolina Research Park, SCE&G Building
September 19, 2006***

draft JMS 10-2-06

docks,, etc.). The group agreed to have the next meeting on October 10, 2006 at the Lake Murray Training Center.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
August 24, 2006**

Draft acg 8-30-06

mile shoreline distance between marinas. Ron Ahle asked why they chose the 3 mile distance on a peninsula rather than the ½ mile radius. Randy Mahan replied that a 3 mile distance would be far enough that keep boat traffic at a distance where the marinas would not be impacting one another.

Tommy went on to discuss common access areas. He noted that if there is a common access area in a community then they will not permit individual boat ramps in that community. After the presentation the group looked at the Lake Murray Multi-slip Radius Map. While the group looked over the map, David Hancock noted that many of the facilities on the map were in place before the criteria came out. Ron noted that when criteria is developed he believed that there needed to be something in the criteria that allows for an objection by the agencies if there is significant spawning habitat. There was some discussion on private marinas vs. public marinas. The group noted the need for public multi-slip facilities and questioned if there was a need to make special concessions for those facilities. The group discussed how this could be incorporated while still developing fair criteria. Ron Ahle suggested having a less restrictive rule that the public facility only has to be a ¼ mile from another facility rather than ½ mile.

John Frick noted that if a developer buys 3000 ft of shoreline that it may have less of an environmental impact for him to put in a multi-slip dock rather than individual docks. Tommy noted that he and David had discussed that issue and noted they have also considered asking the developer to put in a buffer in order to receive a certain amount of extra slips.

The group discussed whether or not there was a need for more recreation facilities on the Lake. Alan noted that they will be able to better understand this question with the data from the recreation studies. Randy noted that the group needed to make sure that they documented the rationale behind the decisions they made because many of the decisions would be affecting the expectations that people would have for their property. He also noted that they would be presenting the changes to the public.

As a homework item review from the last meeting the group discussed the statistical analysis of the total number of docks that could exist on Lake Murray for each 100' of shoreline. Group noted that this would be good information to keep on file while making considerations. The group then looked at the newly updated ESA data. Ron noted that he would be interested in knowing how many deeper fringeland tracts are around the lake. He noted that this would be important to know during discussions on rebalancing. David noted that in order to do that there would need to be survey work done because there is inconsistencies with the GIS information. He noted that the PBL is correct on the ground and the plats but it is not consistent with the GIS. Tommy noted that they would look into this issue further.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
August 24, 2006**

Draft acg 8-30-06

The group noted that the first set of criteria they would discuss was the criteria on common access areas. The group briefly discussed what the definition of a narrow cove should be. Ron noted that at another project they had termed a narrow cove anything “that was behind a constriction point of 300 ft or less”. There was discussion on whether or not to permit common access in coves with narrow openings. There was some agreement among individuals that this may not be an issue because there were not many areas like this around the Lake that needed to be dealt with.

The group continued to review through the criteria (criteria with group accepted changes attached below). As the group went through each one of the items they spent some time discussing how much shoreline should be required in a development for the common access area. The group also discussed how many feet of shoreline should be required for developments greater than 75 units, and if they were to include the lake front lots in that number. The group decided that the lake front lots would be included. The group also concluded that they would like to implement a minimum of 100 feet of shoreline with common areas serving more than 75 property/residential units having an additional 1.5 feet of linear shoreline per each property/residential unit served. The group noted that this would be good to have in place if there was a condominium or apartment complex built.

The group also noted that common access areas serving 10 or fewer property/residential units will meet the established existing guidelines for private docks, generally permitting up to 750 square feet in size and 75 feet in length. Common access areas serving more than 10 property/residential units may be eligible for a slip dock. This would allow a place where people could park their boat for short periods of time

When the group had finished discussing the criteria, they noted that the next TWC meeting would be scheduled for September 5th at 9:30 and they will be discussing commercial marinas.

Statistical Analysis of the Total Number of Docks That Could Exist on Lake Murray for Each 100' of Shoreline

Total Docks per each 100' lot						
Classification	Miles	ESA Miles	Feet	Docks		
Easement	385.16	38.66	2,033,803.20	20,338.03		
Future Development	101.33	40.95	535,025.40	5,350.22		
Forest Management	88.23	56.96	518,654.40	5,186.54		
75-Foot Setback	27.3	7.59	144,144.00	1,441.44		
Conservation Areas	6.74	0.71	3,748.80	37.49		
Public Recreation	32.14	0	0.00	0.00		
Commercial Recreation	5.81	0	0.00	0.00		
Project Operations	1.63	0	0.00	0.00		
	652.34	145.89	3,235,372.80	32,353.73		
Total Docks per 100' lots excluding Public Rec, Commercial Rec and Project Ops				32,354		
Total Docks per each 100' lot Excluding Protected Shoreline						
Classification	Miles	ESA Miles	Continuous Button Bush Miles	Shoreline Miles w/o Button Bush	Feet	Docks
Easement	385.19	38.66	-21.65	393.54	1,519,791.20	19,194.51
Future Development	101.33	40.95	-30.29	71.04	375,091.20	3,750.51
75-Foot Setback	27.3	7.59	-3.66	23.64	124,819.20	1,248.19
	513.82	88.2	-55.60	458.22	2,419,401.60	24,194.02
Total Docks per 100' lots Excluding Forest Management and Continuous ESA's						24,194
Current Number of Docks Existing on Lake Murray	9,500					

1994-2005 ESA DATA				
Classification	Miles	ESA Miles	Total ESA Mileage per County	
Easement	385.19	39.66	Lexington	39.49
Future Development	101.33	40.95	Newberry	51.36
Forest Management	98.23	56.98	Richland	2.92
75-Foot Setback	27.3	7.59	Saluda	62.11
Conservation Areas	0.71	0.71		145.89
Public Recreation	32.14	0		
Commercial Recreation	5.81	0		
Project Operations	1.63	0		
	652.34	145.89		
ESA Breakdown by County			Total Mileage per ESA	
Classification	County	ESA Miles	Wet Flats	16.09
Easement	Lexington	21.48	Shallow Shoals	0.30
	Newberry	9.94	Shallow Coves	25.75
	Richland	2.03	Mature Upland Hardwood	0.85
	Saluda	6.21	Exposed Bars	0.13
		39.66	Button Bush & Willow Flats	14.89
Future Development	Lexington	15.95	Bottomland Hardwood	17.89
	Newberry	14.04	Rocky Shores	0.10
	Richland	0.39	Water Tupelo	0.10
	Saluda	10.57	Continuous Button Bush	51.94
		40.95	Intermittent Button Bush	12.29
Forest Management and 75-Foot Setback	Lexington	1.98	Bottomland Hardwood	5.55
	Newberry	26.88		145.89
	Richland	0.50		
	Saluda	35.21		
		64.57		
Conservation Areas	Lexington	0.09		
	Newberry	0.50		
	Richland	0.00		
	Saluda	0.12		
		0.71		

Updated August 23, 2006



SOUTH CAROLINA ELECTRIC & GAS COMPANY
LAKE MANAGEMENT DEPARTMENT

COMMON ACCESS AREA GUIDELINES
BOAT RAMPS AND COURTESY DOCKS

1. Initial consultation and site inspection by SCE&G Lake Management representative.
2. County Zoning Requirements: SCE&G requires a letter from the County Zoning Administration stating that the proposed site location meets existing County regulations to construct a Boat Ramp or Courtesy Dock.
3. ~~No common access area, dock or ramp will be permitted to be located in a cove less than 200' wide measured from the 360' to 360' contour across the cove.~~ 3.
~~Existing slope and water depth must accommodate ramp and dock at a minimum lake level elevation of 352'. Ramps will be constructed of reinforced concrete and may not exceed 12 feet wide.~~
4. No destruction or removal of **critical** shoreline vegetation growing below the 360' contour will be permitted for the installation of a boat ramp or dock. ~~Critical vegetation includes but is not limited to species such as button bush, willows and significant hardwood species.~~
5. From the end of the proposed courtesy dock, there must be a minimum of 150' across the cove to the 360' contour on the opposite shore. ~~Clearance between structures on opposing banks must be a minimum of 75 feet.~~
6. Common areas must be located within the confines of the proposed development with a minimum of 100' to the nearest adjoining property, or a buildable lot designated on both sides of the common area with a minimum linear shoreline footage of 100 feet.
7. ~~All common areas must have a minimum of 100' of linear shoreline. Common areas serving more than 75 property/residential units must have an additional 1.5 feet of linear shoreline per each property/residential unit served.~~

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9.

**Common Access Area Guidelines
Boat Ramps and Courtesy Docks
Page 2**

10.

Common access areas serving 10 or fewer property/residential units will meet the established existing guidelines for private docks, generally permitting up to 750 square feet in size and 75 feet in length. Common access areas serving more than 10 property/residential units may be eligible for a slip dock. waterway.

11.

All common access docks are approved for short term day use only.

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Comment: Tommy/David to develop recommendations for increasing the size /slips of common access areas accomodating larger shoreline properties.

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Kacie Jensen

From: Alison Guth
Sent: Friday, September 01, 2006 4:21 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (jpitts@scprt.com); Jennifer O'Rourke; John Frick (jsfrick@mindspring.com); John Oswald ; Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Draft Meeting Notes - 8-22 Lake and Land

Hello all,

Attached are the draft meeting notes from our August 22 Lake and Land RCG meeting. Please have any changes back to me by Sept. 15th for finalization. Thanks, Alison



2006-8-22 draft
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
August 22, 2006**

Draft ACG 8-28-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Roy Parker, LMA
Randy Mahan, SCANA Services
Bob Keener, LMA, LMSCA
Tom Bowles, SCE&G
Don Tyler, LMA, LMHOC
Tom Ruple, LMA
Trisha Priester, Lexington County
Teresa Powers, Newberry County
Jennifer O'Rourke, SCWF

Phil Hamby, Landowner
Bill Argentieri, SCE&G
Tony Bebbler, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Amanda Hill, USFWS
Dick Christie, SCDNR
Bill Mathias, LMA, LMPS
Mike Murrell, LMA
Bertina Floyd, LMHOC
Bill Marshall, SCDNR, LSSRAC
Regis Parsons, Landowner
Joy Downs, LMA

DATE: August 22, 2006

HOMEWORK ITEMS:

- RCG members to make recommendations for what they would like to see in regards to public outreach to the TWC
- Alan and Tommy to contact individuals at Alabama Power and Georgia Power to see how their public outreach programs are being accepted
- TWC to take field trip to review the ESAs.
- Ron Ahle to put together some information on the biological benefits of a periodic drawdown for TWC discussion

DATE OF NEXT MEETING: November 14, 2006 at 9:30 a.m. (Tentative)
Located at the Lake Murray Training Center

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
August 22, 2006**

Draft ACG 8-28-06

INTRODUCTIONS AND DISCUSSION

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart opened the meeting and welcomed the group. It was noted that the first item of the agenda was for Alison Guth to give a presentation on public outreach for shoreline management plans at hydropower projects. After the presentation the floor was opened for group discussion on this topic.

The group discussed a variety of public outreach options that included newsletters at kiosks, notices on bill stuffers, and quarterly newsletters. Tommy Boozer noted that the website could be used as an information portal and have links with the Department of Natural Resources (DNR), Lake Murray Association (LMA), and Lake Murray Power Squadron (LMPS) websites. There was also discussion on publishing a quarterly or annual newsletter similar to the example from Alabama Power Company given in Alison's presentation. Ron Ahle noted that he believed that the newsletter would allow for the development of incentive and recognition programs for shoreline improvement. The group generally liked the idea of a recognition program for shoreline improvements. Tommy noted that it may also be beneficial if Steve Bell wrote about some of the shoreline management issues in his articles in the Lake Murray News.

Don Tyler asked how a property owner would obtain a copy of the SMP if they did not apply for a dock permit. Tommy replied that they are currently working on ways to tie it into title transfers.

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Map of Intermittent and Perennial Streams	DNR	Buffer Zone Restoration and Management	Parts of the SMP that have not been resolved include a map identifying intermittent and perennial streams and their associated 75' buffer		Include maps in SMP	Tentatively Complete to the Satisfaction of the TWC (August 2005??)
Existing Studies	USFWS, Newberry County	Information Needs/Study Requests				Tentatively Complete to the Satisfaction of the TWC
Federal and State Regulations Technical Committee	Lake Watch	Information Needs/Study Requests	A technical committee should be formed to determine and review all Federal and State regulations that relate to or have impact on the management of the reservoir, the lower Saluda and lands within the project boundaries. The committee should also meet with FERC and discuss and clarify all FERC regulations/ requirements.	April 20, 2006 - Allan Creamer (FERC Rep for the Saluda Project) attended a question and answer session at the Quarterly Public Meeting to answer the groups relicensing questions	Continue to review regulations as issues are identified/addressed	Tentatively Complete to the Satisfaction of the TWC
Updated Shoreline Classification	USFWS, DNR, Newberry County	Shoreline Classification	Updated classification that describes the existing use of the property, acreage and mileage of shoreline for Lake Murray and Lower Saluda River. Including information on how many acres, within the PBL are associated with environmental, forest and game and vegetated land classifications, as well as wetlands	March 28, 2006 - Tommy presented this information to the TWC. Maps are also currently being updated to include all information	Include in SMP	Tentatively Complete to the Satisfaction of the TWC
LUSMP Technical Committee	Lake Watch	Shoreline Permitting sub-committee (General Shoreline Management)	The technical committee would review the existing LUSMP and make changes after discussion with the larger group. One outcome would be to put together in one document the entire LUSMP			Tentatively Complete to the Satisfaction of the TWC - This is being accomplished through the Lake and Land Management Technical Working Committee

Buffer Zone Restoration Technical Committee	Lake Watch	Buffer Zone Restoration and Management	A technical committee should be formed to assess all buffer zones on the lake for compliance with current and past guidelines and restriction. Cause of excessive clearing should be determined, restoration plan should be re-evaluated and updated if necessary	March 16, 2006 - TWC discussed the Buffer Zone Management Plan and agreed on a monitoring and compliance section that would include the submittal of a revegetation plan by the land owner and that the landowner provide photo documentation of replanted area for a period of 5 years	TWC discussed these issues and arrived at consensus regarding the Monitoring and Compliance section of the Plan. It would include items such as the submittal of a revegetation plan by the land owner and that the landowner must provide photo documentation of replanted area for a period of 5 years	Tentatively Complete to the Satisfaction of the TWC
Communications/ Procedural Technical Committee	Lake Watch	Other	A technical committee should be formed to study how SCE&G and stakeholders can better communicate and work together to achieve the goals and objectives implemented in the new license plan	November 1, 2005 - Group discussed this issue and it was concluded that if increased communication between group was needed then joint group meetings would be held	Steve Bell to develop recommendations	
Excavation Policy	Newberry County, USFWS	Shoreline Permitting sub-committee (Excavation)	review the current excavation policy	June 15, 2006 - TWC reviewed and made group consensus changes to Excavation Policy. SCE&G to incorporate changes		1st Draft Complete to the Satisfaction of the TWC

Erosion and Sedimentation Control Plan	DNR	Erosion and Sedimentation	Parts of the plan (SMP) that have not been resolved include: an erosion and sedimentation control plan	May 8, 2006 - TWC reviewed DNR drafted shoreline stabilization plan that details the criteria for shoreline stabilization permits and consequences for violators. May 26, 2006 - TWC continued to review strawman shoreline stabilization criteria developed by SCDNR. Incorporated group consensus changes	1st Draft Complete to the Satisfaction of the TWC
FERC Lake Murray Shoreline Management Plan Update	Newberry County	Shoreline Permitting sub-committee (General Shoreline Management)	General Outline to be developed by SCE&G	April 26, 2005 - RCG reviewed and made changes to the new SMP general outline. Group consensus changes to be incorporated	1st Draft Complete to the Satisfaction of the TWC
Limited Brushing Criteria	DNR	Shoreline Permitting	It was requested that a limited brushing permit be implemented to cut back growth of invasive plants and to educate the landowner.	April 25, 2006 - TWC agreed on limited brushing guidelines and created a document that details, among other items, species that can and cannot be cleared.	1st Draft Complete to the Satisfaction of the TWC
Woody Debris and Stump Management Plan	DNR	ESA Identification and Management	Parts of the SMP that have not been resolved include a woody debris and stump management plan	March 28, 2006 - The TWC agreed to make the Woody Debris Management Plan a component of the SMP. TWC reviewed plan and comments were incorporated	1st Draft Complete to the Satisfaction of the TWC

Completion of a Buffer Zone Management Plan	USFWS, DNR, Newberry County	Buffer Zone Restoration and Management	Complete a Buffer Zone and Management Plan that includes Restoration Measures for buffer zone areas that have been improperly cleared by landowners. Newberry county requests that the buffer zone property be mapped and posted with the applicable restrictions in order to be made available through local government offices	March 16, 2006 - TWC progressed through Buffer Zone and Riparian Management Plan and incorporated changes based on group consensus. SCE&G to incorporate changes into document		1st Draft Complete to the Satisfaction of the TWC
Restriction Guidelines in Buffer Surrounding ESA's	DNR	ESA Identification and Management	Parts of the SMP that have not been resolved include guidelines for restrictions within the 50' buffer surrounding the ESA's	March 28, 2006 - TWC discussed the implementation of a 15ft buffer around continuous ESA's.	SCE&G to consider implementation of 15ft buffer on either side adjacent to continuous ESA on easement and future development property. DNR noted that this would be acceptable	Proposal under consideration by SCE&G
Map Showing ESA's for Easement Properties	DNR	ESA Identification and Management	Parts of the SMP that have not been resolved include a map showing ESA's in front of all easement properties	March 28, 2006 - SCE&G is in the process of developing updated map including these items	SCE&G developing map Combined with Item 1 SCE&G still needs to place all ESA locations in one viewing tool TWC ground-truth verification of ESA Map	Completed
ESA Management Policy	DNR, USFWS, Newberry County	ESA Identification and Management	Development and incorporation of specific management restrictions into the SMP to control encroachments into ESA's, conservation areas, and other areas	March 28, 2006 - TWC discussed the permitting of docks in ESA's on easement property and the establishment of a buffer around continuous ESA's.	SCE&G tasked with developing general criteria regarding the permitting of docks on ESAs on easement property	Ongoing

Reservoir Level Study	CCL/American Rivers, City of Columbia PRT, LSSRAC, LMA		Lake level fluctuation as it pertains to aquatic habitat, downstream flows, and recreation. More specifically the effects of drawdown on recreational boating, the ability to release downstream flows using a hydrologic/operations a model including effects of inundation patterns on the Congaree. A look at the effects of yearly lake level fluctuations on the Saluda and Congaree as well as the Congaree National Park. Also, to evaluate potential seasonal target elevations for Lake Murray that attempt to balance all related interest, including lakeside homeowners, municipal water users, environmental interests, power production capabilities, and downstream river users			Ongoing: Operations TWC is in the process of developing a Hydraulic Operations Model that will answer many of these questions.
Posting of Drawdown Dates/ Periodic Drawdowns	Newberry County		Newberry County requests the posting of draw-down dates due to safety concerns for lake users.		Ron Ahle will prepare a presentation on the WQ and F&W benefits of periodic drawdowns.	Ongoing: SCE&G in the process of developing Web-based information system that includes information on planned releases
Review of TVA and USACE Shoreline Management Policies	Lake Watch	Shoreline Permitting	It is recommended that studies on Shoreline Development Impacts on TVA Rivers and Lakes and US Army Corps studies associated with shoreline management updates be used as part of the information available to address issues in this committee	May 8, 2006 - TWC reviewed TVA and Corps guidelines for bank stabilization while discussing what guidelines on Lake Murray should entail.		Ongoing

Total Build-Out Study	SCPRT, Newberry County, USFWS, LMHC	Land Reclassification	A "build-out" scenario should be used to identify areas to avoid or target for new recreational access and identify areas in SMP that need to be amended	July 12, 2006 - TWC discussed this item, SCE&G to estimate the maximum number of docks possible on the lake at the request of Lake Watch July 19, 2006 - Recreation Management TWC in process of developing Boat Density Study Plan which will provide information on what areas of the lake are most used and where areas for improvement would be	SCE&G to provide number for maximum number of docks possible. Rec Management TWC to finalize and provide data from Boat Density Study	Ongoing: AWS been working with Bill Mathias and AWS to develop a study/work plan
Residential, Commercial, and Common Docks	USFWS, Newberry County, Lake Watch	Shoreline Permitting sub-committee (Residential, Commercial, Public, Private, and Multi-Slip Dock Permitting)	It was requested that the group review the Residential, Commercial, Public, Private and Multi-Slip dock policies	June 15, 2006 - Group reviewed and made changes to General requirements for Private Docks and Common Docks. Lake Watch noted that they needed until the July 12, 2006 meeting to review the General Requirements document. July 12, 2006 Lake Watch noted that in order to agree with criteria on Private and Common docks they would need information on the maximum number of docks possible on Lake Murray. SCE&G to calculate number	SCE&G to calculate maximum possible number of docks on Lake Murray	TBD: Meeting on August 24

Rebalancing of Shoreline Classifications	DNR, SCPRT	Land Reclassification	Rebalancing of shoreline classifications in order to provide sufficient recreation and nature-based tourism opportunities for the growing regional population throughout the license period. Acreage should be added to all small recreation sites to allow for future expansion as recreational needs change and to provide options for shore based recreation.			TBD
Future Fringeland Sale Policy	USFWS, Newberry County	Land Reclassification sub-committee (Lake Murray Land Sales)	Review the current policies on the sale of fringeland			TBD
Two-Bird Cove Hurricane Hole Cove	Landowners	Land Reclassification	Would like the de-designation of Two Bird Cove as a special recreation area		Explore alternatives to recreation in the Two Bird Cove area and remove "Special Recreation" designation.	TBD
Activities in the Fringeland						TBD
Obtain dock without purchase of fringeland						TBD

MEETING NOTES

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates	Phil Hamby, Landowner
Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Tommy Boozer, SCE&G	Tony Bebber, SCPRT
David Hancock, SCE&G	Rhett Bickley – Lexington County
Ron Ahle, SCDNR	Van Hoffman – SCE&G
Steve Bell, LW	Amanda Hill, USFWS
Roy Parker, LMA	Dick Christie, SCDNR
Randy Mahan, SCANA Services	Bill Mathias, LMA, LMPS
Bob Keener, LMA, LMSCA	Mike Murrell, LMA
Tom Bowles, SCE&G	Bertina Floyd, LMHOC
Don Tyler, LMA, LMHOC	Bill Marshall, SCDNR, LSSRAC
Tom Ruple, LMA	Regis Parsons, Landowner
Trisha Priester, Lexington County	Joy Downs, LMA
Teresa Powers, Newberry County	
Jennifer O'Rourke, SCWF	

DATE: August 22, 2006

HOMEWORK ITEMS:

- RCG members to make recommendations for what they would like to see in regards to public outreach to the TWC
- Alan and Tommy to contact individuals at Alabama Power and Georgia Power to see how their public outreach programs are being accepted
- TWC to take field trip to review the ESAs.
- Ron Ahle to put together some information on the biological benefits of a periodic drawdown for TWC discussion

DATE OF NEXT MEETING: November 14, 2006 at 9:30 a.m. (Tentative)
Located at the Lake Murray Training Center

MEETING NOTES

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INTRODUCTIONS AND DISCUSSION

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart opened the meeting and welcomed the group. It was noted that the first item of the agenda was for Alison Guth to give a presentation on public outreach for shoreline management plans at hydropower projects. After the presentation the floor was opened for group discussion on this topic.

The group discussed a variety of public outreach options that included newsletters at kiosks, notices on bill stuffers, and quarterly newsletters. Tommy Boozer noted that the website could be used as an information portal and have links with the Department of Natural Resources (DNR), Lake Murray Association (LMA), and Lake Murray Power Squadron (LMPS) websites. There was also discussion on publishing a quarterly or annual newsletter similar to the example from Alabama Power Company given in Alison's presentation. Ron Ahle noted that he believed that the newsletter would allow for the development of incentive and recognition programs for shoreline improvement. The group generally liked the idea of a recognition program for shoreline improvements. Tommy noted that it may also be beneficial if Steve Bell wrote about some of the shoreline management issues in his articles in the Lake Murray News.

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ESA Management Policy	DNR, USFWS, Newberry County	ESA Identification and Management	Development and incorporation of specific management restrictions into the SMP to control encroachments into ESA's, conservation areas, and other areas	March 28, 2006 - TWC discussed the permitting of docks in ESA's on easement property and the establishment of a buffer around continuous ESA's.	SCE&G tasked with developing general criteria regarding the permitting of docks on ESAs on easement property	Ongoing

Reservoir Level Study	CCL/American Rivers, City of Columbia PRT, LSSRAC, LMA		Lake level fluctuation as it pertains to aquatic habitat, downstream flows, and recreation. More specifically the effects of drawdown on recreational boating, the ability to release downstream flows using a hydrologic/operations a model including effects of inundation patterns on the Congaree. A look at the effects of yearly lake level fluctuations on the Saluda and Congaree as well as the Congaree National Park. Also, to evaluate potential seasonal target elevations for Lake Murray that attempt to balance all related interest, including lakeside homeowners, municipal water users, environmental interests, power production capabilities, and downstream river users			Ongoing: Operations TWC is in the process of developing a Hydraulic Operations Model that will answer many of these questions.
Posting of Drawdown Dates/ Periodic Drawdowns	Newberry County		Newberry County requests the posting of draw-down dates due to safety concerns for lake users.		Ron Ahle will prepare a presentation on the WQ and F&W benefits of periodic drawdowns.	Ongoing: SCE&G in the process of developing Web-based information system that includes information on planned releases
Review of TVA and USACE Shoreline Management Policies	Lake Watch	Shoreline Permitting	It is recommended that studies on Shoreline Development Impacts on TVA Rivers and Lakes and US Army Corps studies associated with shoreline management updates be used as part of the information available to address issues in this committee	May 8, 2006 - TWC reviewed TVA and Corps guidelines for bank stabilization while discussing what guidelines on Lake Murray should entail.		Ongoing

Total Build-Out Study	SCPRT, Newberry County, USFWS, LMHC	Land Reclassification	A "build-out" scenario should be used to identify areas to avoid or target for new recreational access and identify areas in SMP that need to be amended	July 12, 2006 - TWC discussed this item, SCE&G to estimate the maximum number of docks possible on the lake at the request of Lake Watch July 19, 2006 - Recreation Management TWC in process of developing Boat Density Study Plan which will provide information on what areas of the lake are most used and where areas for improvement would be	SCE&G to provide number for maximum number of docks possible. Rec Management TWC to finalize and provide data from Boat Density Study	Ongoing: AWS been working with Bill Mathias and AWS to develop a study/work plan
Residential, Commercial, and Common Docks	USFWS, Newberry County, Lake Watch	Shoreline Permitting sub-committee (Residential, Commercial, Public, Private, and Multi-Slip Dock Permitting)	It was requested that the group review the Residential, Commercial, Public, Private and Multi-Slip dock policies	June 15, 2006 - Group reviewed and made changes to General requirements for Private Docks and Common Docks. Lake Watch noted that they needed until the July 12, 2006 meeting to review the General Requirements document. July 12, 2006 Lake Watch noted that in order to agree with criteria on Private and Common docks they would need information on the maximum number of docks possible on Lake Murray. SCE&G to calculate number	SCE&G to calculate maximum possible number of docks on Lake Murray	TBD: Meeting on August 24

Rebalancing of Shoreline Classifications	DNR, SCPRT	Land Reclassification	Rebalancing of shoreline classifications in order to provide sufficient recreation and nature-based tourism opportunities for the growing regional population throughout the license period. Acreage should be added to all small recreation sites to allow for future expansion as recreational needs change and to provide options for shore based recreation.			TBD
Future Fringeland Sale Policy	USFWS, Newberry County	Land Reclassification sub-committee (Lake Murray Land Sales)	Review the current policies on the sale of fringeland			TBD
Two-Bird Cove Hurricane Hole Cove	Landowners	Land Reclassification	Would like the de-designation of Two Bird Cove as a special recreation area		Explore alternatives to recreation in the Two Bird Cove area and remove "Special Recreation" designation.	TBD
Activities in the Fringeland						TBD
Obtain dock without purchase of fringeland						TBD

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
August 24, 2006**

Final acg 9-20-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Randy Mahan, SCANA Services, Inc.
Tommy Boozer, SCE&G	Ron Ahle, SCDNR
David Hancock, SCE&G	Rhett Bickley, Lexington County
Joy Downs, LMA	Roy Parker, LMA
Steve Bell, Lake Watch	John Frick, landowner
Tony Bebbber, SCPRT	

HOMEWORK:

- Tommy/David to develop recommendations for increasing the size /slips of common access areas accommodating larger shoreline properties

**DATE OF NEXT MEETING: September 5, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan opened the meeting and noted that the first item on the agenda would be for Tommy to give a presentation on SCE&G's existing multi-use dock policy.

While discussing the presentation with the group, Tommy explained that the definition of a multi-use dock was a dock that would accommodate four or more watercraft simultaneously. Tommy added that under the residential dock policy they could accommodate at most four people at a common dock. However, Tommy reminded the group that they had recommended to change that number to two people at most per common dock. Tommy also noted that the terms multi-use and multi-slip could be used interchangeably.

During the presentation Tommy also discussed the general requirements of multi-use marinas. Tommy explained that when a marina greater than 10 slips went into an area, no other marinas were allowed within a half-mile radius of the facility, except on a peninsula which there is a required 3

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
August 24, 2006**

Final acg 9-20-06

mile shoreline distance between marinas. Ron Ahle asked why they chose the 3 mile distance on a peninsula rather than the ½ mile radius. Randy Mahan replied that a 3 mile distance would be far enough that keep boat traffic at a distance where the marinas would not be impacting one another.

Tommy went on to discuss common access areas. He noted that if there is a common access area in a community then they will not permit individual boat ramps in that community. After the presentation the group looked at the Lake Murray Multi-slip Radius Map. While the group looked over the map, David Hancock noted that many of the facilities on the map were in place before the criteria came out. Ron noted that when criteria is developed he believed that there needed to be something in the criteria that allows for an objection by the agencies if there is significant spawning habitat. There was some discussion on private marinas vs. public marinas. The group noted the need for public multi-slip facilities and questioned if there was a need to make special concessions for those facilities. The group discussed how this could be incorporated while still developing fair criteria. Ron Ahle suggested having a less restrictive rule that the public facility only has to be a ¼ mile from another facility rather than ½ mile.

John Frick noted that if a developer buys 3000 ft of shoreline that it may have less of an environmental impact for him to put in a multi-slip dock rather than individual docks. Tommy noted that he and David had discussed that issue and noted they have also considered asking the developer to put in a buffer in order to receive a certain amount of extra slips.

The group discussed whether or not there was a need for more recreation facilities on the Lake. Alan noted that they will be able to better understand this question with the data from the recreation studies. Randy noted that the group needed to make sure that they documented the rationale behind the decisions they made because many of the decisions would be affecting the expectations that people would have for their property. He also noted that they would be presenting the changes to the public.

As a homework item review from the last meeting the group discussed the statistical analysis of the total number of docks that could exist on Lake Murray for each 100' of shoreline. Group noted that this would be good information to keep on file while making considerations. The group then looked at the newly updated ESA data. Ron noted that he would be interested in knowing how many deeper fringeland tracts are around the lake. He noted that this would be important to know during discussions on rebalancing. David noted that in order to do that there would need to be survey work done because there is inconsistencies with the GIS information. He noted that the PBL is correct on the ground and the plats but it is not consistent with the GIS. Tommy noted that they would look into this issue further.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT TWC*

*SCE&G Training Center
August 24, 2006*

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The group noted that the first set of criteria they would discuss was the criteria on common access areas. The group briefly discussed what the definition of a narrow cove should be. Ron noted that at another project they had termed a narrow cove anything “that was behind a constriction point of 300 ft or less”. There was discussion on whether or not to permit common access in coves with narrow openings. There was some agreement among individuals that this may not be an issue because there were not many areas like this around the Lake that needed to be dealt with.

The group continued to review through the criteria (criteria with group accepted changes attached below). As the group went through each one of the items they spent some time discussing how much shoreline should be required in a development for the common access area. The group also discussed how many feet of shoreline should be required for developments greater than 75 units, and if they were to include the lake front lots in that number. The group decided that the lake front lots would be included. The group also concluded that they would like to implement a minimum of 100 feet of shoreline with common areas serving more than 75 property/residential units having an additional 1.5 feet of linear shoreline per each property/residential unit served. The group noted that this would be good to have in place if there was a condominium or apartment complex built.

The group also noted that common access areas serving 10 or fewer property/residential units will meet the established existing guidelines for private docks, generally permitting up to 750 square feet in size and 75 feet in length. Common access areas serving more than 10 property/residential units may be eligible for a slip dock. This would allow a place where people could park their boat for short periods of time

When the group had finished discussing the criteria, they noted that the next TWC meeting would be scheduled for September 5th at 9:30 and they will be discussing commercial marinas.

Statistical Analysis of the Total Number of Docks That Could Exist on Lake Murray for Each 100' of Shoreline

Total Docks per each 100' lot						
Classification	Miles	ESA Miles	Feet	Docks		
Essement	385.16	39.66	2,033,803.29	20,338.03		
Future Development	101.33	40.65	535,022.40	5,350.22		
Forest Management	99.29	56.98	518,654.40	5,186.54		
75-Foot Setback	27.3	7.59	144,144.00	1,441.44		
Conservation Areas	0.71	0.71	3,748.80	37.49		
Public Recreation	32.14	0	0.00	0.00		
Commercial Recreation	5.81	0	0.00	0.00		
Project Operations	1.63	0	0.00	0.00		
	652.34	145.89	3,235,372.80	32,353.73		
Total Docks per 100' lots excluding Public Rec, Commercial Rec and Project Ops						
				32,354		
Total Docks per each 100' lot Excluding Protected Shoreline						
Classification	Miles	ESA Miles	Continuous Button Bush Miles	Shoreline Miles w/o Button Bush	Feet	Docks
Essement	385.19	39.66	-21.65	393.54	1,519,491.20	19,794.51
Future Development	101.33	40.95	-30.29	71.04	375,091.20	3,750.91
75-Foot Setback	27.3	7.59	-3.66	23.64	124,019.20	1,240.19
	513.82	88.2	-55.60	458.22	2,419,401.60	24,194.02
Total Docks per 100' lots Excluding Forest Management and Continuous ESA's						
						24,194
Current Number of Docks Existing on Lake Murray	9,500					



SOUTH CAROLINA ELECTRIC & GAS COMPANY
LAKE MANAGEMENT DEPARTMENT

COMMON ACCESS AREA GUIDELINES
BOAT RAMPS AND COURTESY DOCKS

1. Initial consultation and site inspection by SCE&G Lake Management representative.
2. County Zoning Requirements: SCE&G requires a letter from the County Zoning Administration stating that the proposed site location meets existing County regulations to construct a Boat Ramp or Courtesy Dock.
3. ~~No common access area, dock or ramp will be permitted to be located in a cove less than 200' wide measured from the 360' to 360' contour across the cove.~~ **3.**
Existing slope and water depth must accommodate ramp and dock at a minimum lake level elevation of 352'. Ramps will be constructed of reinforced concrete and may not exceed 12 feet wide.
4. No destruction or removal of **critical** shoreline vegetation growing below the 360' contour will be permitted for the installation of a boat ramp or dock. Critical vegetation includes but is not limited to species such as button bush, willows and significant hardwood species.
5. From the end of the proposed courtesy dock, there must be a minimum of 150' across the cove to the 360' contour on the opposite shore. Clearance between structures on opposing banks must be a minimum of 75 feet.
6. Common areas must be located within the confines of the proposed development with a minimum of 100' to the nearest adjoining property, or a buildable lot designated on both sides of the common area with a minimum linear shoreline footage of 100 feet.
7. All common areas must have a minimum of 100' of linear shoreline. Common areas serving more than 75 property/residential units must have an additional 1.5 feet of linear shoreline per each property/residential unit served.

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Comment: Check for consistency with verbiage in the SMP/ESA criteria.

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Hanging: 0.75"

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Deleted: All common areas must have minimum of 100' of linear shoreline.

8.

~~_____~~

Deleted: Common areas must provide adequate roads and parking area to accommodate the use of the facility by the Homeowners Association.

9.

~~_____~~

Deleted: Ramps will be constructed of reinforced concrete and generally up to 12 feet wide. Required length to be functional.

**Common Access Area Guidelines
Boat Ramps and Courtesy Docks
Page 2**

10.

Common access areas serving 10 or fewer property/residential units will meet the established existing guidelines for private docks, generally permitting up to 750 square feet in size and 75 feet in length. Common access areas serving more than 10 property/residential units may be eligible for a slip dock. waterway.

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Deleted:

Comment: Tommy/David to develop recommendations for increasing the size /slips of common access areas accomodating larger shoreline properties.

11.

All common access docks are approved for short term day use only.

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Deleted: No slips or overnight docking of boats will be allowed at the Courtesy Dock.

From: Alison Guth
Sent: Tuesday, August 08, 2006 1:51 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: 'jsfrick@mindspring.com'; Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: 7/12/06 final meeting notes
Hello all,

Attached are the final meeting notes from the July 12th Lake and Land Management TWC Meeting. Thanks for all of your comments. Alison



2006-7-12 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
July 12, 2006**

final ACG 8-8-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Steve Bell, LW

Bill Argentieri, SCE&G
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Randy Mahan – SCANA Services
Tom Eppink – SCANA Services
John Frick, Landowner
Tony Bebbler, SCPRT
Roy Parker, LMA

DATE: July 12, 2006

HOMEWORK ITEMS:

- SCE&G to work on list of activities that are not allowed
- SCE&G to estimate the maximum number of docks possible on the lake at the request of Lake Watch.
- Dick Christie to develop section on Aquatic Plants for SMP booklet and email to SCE&G
- Group to consider incentives to landowners for multi-slip docks and habitat improvements for boat ramps.

DATE OF NEXT MEETING: August 24, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that the group would begin by reviewing the Shoreline Management Program Booklet. Although this was not the first item on the agenda it was noted that discussion on the first item would require the presence of another individual that had not yet shown up.

The group began to discuss the booklet item by item. The group noted that the goal was to make the booklet deal solely with permitting. As the group discussed the items in the booklet, changes were made directly to the document projected on the screen (document attached). During discussions on the section in the booklet pertaining to undeveloped areas, it was noted that that

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

particular section would need to be addressed in more detail during TWC discussion on land reclassification.

It was noted that discussion on fisheries management would not be included in the smaller booklet, but in the more detailed SMP. In place of extended discussion on this topic in the booklet, the group noted that DNR's website would be listed as a reference for information on fisheries management. The group also noted that the phone number for Marine Enforcement should be included under the section entitled Boating Safety. There was continued discussion on the purpose and function of the booklet and it was noted that another separate booklet would be put together for Recreation, while this booklet strictly contained the dos and don'ts in the Shoreline Management Program.

The group briefly discussed the Environmentally Sensitive Areas (ESA)s. John Frick asked if the ESA classifications would shift over time due to die-offs. Ron Ahle replied that although the button bushes may die from time to time in an area, the habitat that is suitable for growth will remain, and they will come back over time. Ron also noted that periodic updates to ESA's may be beneficial to protect areas that were not originally identified.

Dick Christie made a few suggestions to the SMP booklet for the group to consider. He noted that it may be beneficial to list Shoreline Classifications at the beginning of the booklet. He explained that this section could include discussion on what activities are allowed in areas such as Forest and Game Management, what acreage is included in those lands, etc. Tommy Boozer also added that discussion on what activities can be performed in the Buffer Zone should be included as well.

The group continued to progress through the booklet and noted that there would be a brief reference to SCE&G Park facilities; although the points on Criteria for Establishing New Facilities would be taken out, while the other items could be placed in the recreation booklet.

As the group began discussion on dock policies, Ron suggested that the group come up with some proposals for incentive programs. The group noted that incentive programs would be discussed at a later date and the group was tasked to consider incentives in the meantime, as well as review incentive programs at other projects.

The group briefly discussed boat ramps and Tommy explained this issue to the group. Tommy noted that they do not permit a boat ramp to an individual that has access to a community boat ramp. He explained that the only instances in which SCE&G does permit a boat ramp are when the individual owns down to the 360, is not associated with a common access area and they have no vegetation to consider. Ron suggested that the group consider not allowing private residential boat ramps. Alan noted that a ramp may be used as an incentive to have the homeowner plant button bushes on his property. The group agreed that this may be an area for incentives.

Discussion arose regarding boat lifts and Tommy explained that they only allow one boatlift per dock. Tommy continued to note that he would like the groups' input on the issue of jet ski lifts. He pointed out that most of the jet ski or personal watercraft lifts are floating and have been considered temporary because they are fiberglass and are placed on the backside of docks. Tommy noted that it currently has not been an issue due to the fact that the footprint of the dock does not change.

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Tommy also explained that another issue that they have been confronted with is the homeowner wanting to purchase a jet dock in order to pull their boat up on. He explained that they are currently handling this situation by informing the individuals that they cannot have the jet dock unless it took the place of their current dock and was a maximum size of 20' x 12'. Dick made the suggestion of defining "jet dock" in the booklet. Tom Eppink noted that he believed it best that a permitting process be developed for jet ski lifts.

Tony Bebbler explained that in the Catawba relicensing issues with water toys, such as trampolines and large inflatable rafts, arose. The group considered these issues and noted that water toys, such as trampolines, could not be left out for more than a day without being considered a mooring, adding to the total footprint of the area. The group also decided to review Catawba's policy on this. It was noted that the term "mooring" would also be defined in the booklet. Tommy Boozer also explained that there are no approved ski jumps or ski courses on the lake.

The group began to discuss earthfill encroachments. It was noted that these encroachments happened many years ago and most are 5 to 10 ft. Tommy explained that they sometimes have the encroachments removed, however in some cases it is more detrimental to remove an encroachment than to permit it. Tommy also explained that the license allows SCE&G to sell those encroachments to the property owner.

The next topic to discuss was fringelands, however the group noted that this topic would be discussed in more detail prior to a presentation on this issue by Van Hoffman. The group briefly discussed the section on water removal and noted that it would be revised and condensed.

As the group continued through the document, it was noted that many of the items would be discussed in detail in the SMP, rather than in the booklet. Dick noted that he would put together a section on aquatic plants for the booklet as a homework assignment.

The group concluded the discussion on the SMP booklet and briefly noted the homework items before moving on to discuss the General Requirements for Docks.

In discussions on the General Requirements for docks, Steve Bell requested an estimate on the maximum number of docks possible on Lake Murray. When asked why this number was useful, Steve noted that it has been requested for consideration in whether the footprint is too large. SCE&G noted that they could calculate the maximum docks on the lake, however the number would be completely theoretical. It was noted that more discussion on the General Requirements would occur after the number was distributed to the TWC.

John Frick suggested an alternative proposal of increasing the spacing between docks to 400 ft, with agreement from some attendees of the concept of greater spacing. Tommy noted that that would essentially be privatizing the lake because very few people could afford that much shoreline. Also, John F. suggested that landward access to game management lands should be a requirement, else the designation as game management might be misleading since only lakeside access would be possible for the public. The group came to consensus that issues regarding game management lands, land sales and fringe lands would be discussed in more detail at a future Lake and Land Management meeting. Specifically, when the group focuses land sales, reclassification and

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Lake and Land Management Technical Working Committee**

rebalancing discussions. Tony suggested that the group should decide if shared docks and multi-slip docks are preferable to the current pattern of individual docks, and discuss what incentives or requirements would encourage this. The group decided to discuss this issue in more detail during discussions on incentives.

Agenda for next meeting:

It was noted that at the next meeting there would be discussion on multi-slip docks and common access areas. Tommy would give a presentation on how multi-slip docks and common access areas are currently being permitted.

Lake Murray

Shoreline Management Program

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

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Lake and Land Management Technical Working Committee**

Lake Murray

Policies and Procedures

INTRODUCTION

Work of clearing the site for the Saluda River Hydroelectric Development was started in April of 1927 under a permit granted by the Federal Power Commission to the Lexington Water Power Company.

In July of 1930 Lake Murray reached an elevation of 300 feet. The following December, the first electric power, 10,000 kilowatts, was delivered. At the time of its completion, Saluda Dam was the largest earth dam in cubical content for power purposes in the world¹. The dam itself is 211 feet high and contains over 11 million cubic yards of material. Lake Murray is 41 miles long and 14 miles wide at its widest point and contains 763 billion gallons of water. It has a shoreline of approximately 650 miles including the islands. Residents and visitors to Lake Murray are familiar with its fluctuating water levels. In the Saluda River watershed, about 75 percent of the normal rainfall comes in the first six months of the calendar year. The lake level can reach 360 feet; however the normal high lake level is usually reached in May at about 358 feet above mean sea level. When rainfall decreases during the summer months and the demand for power increases, the elevation begins to drop with a normal minimum of about 350 feet elevation coming in the fall of the year.

Lake Murray, over the years, has been, and still is, a major power generation source and provider of recreational and commercial resources for the residents and visitors of South Carolina.

In the late 1960's a rapid change in the character and rate of development of the lake began to take place.

As development increases, due primarily to Lake Murray's close proximity to the Columbia Metropolitan area, the very values that attract families and visitors in the first place could be destroyed unless the potential for environmental degradation is recognized by all parties concerned.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

South Carolina Electric & Gas Company, (SCE&G) as owner and Licensee of Federal Energy Regulatory Commission Project No. 516, realizes the need for formulation of rules and regulations to promote and enhance the recreational potential of Lake Murray and protect its environmental quality while continuing to use Lake Murray as a major part of SCE&G's power production capabilities. All lake management policies are consistent with the regulations and requirements of the Federal Energy Regulatory Commission (FERC) under whose authority SCE&G owns and operates Lake Murray for the generation of power.

SCE&G's Lake Management Department is responsible for enforcing FERC directives regarding unauthorized uses of Lake Murray waters and land below the 360 foot contour elevation.

FERC directives require SCE&G to prevent or halt unauthorized actions by taking measures to stop such actions.

SCE&G has implemented a Shoreline Management Permitting Program (described in this booklet) to permit, upgrade, and properly maintain structures and facilities below the 360 contour. These regulations and inspection programs serve to maintain an environment at Lake Murray which has something to offer to everyone.

Add Sections for ESA and Land Use Classification and what people can do on these lands

I. ENVIRONMENTAL POLICIES

1. General Policy and Purpose

a. The implementation by SCE&G of the Lake Murray Shoreline Management Program shall maintain and conserve the area's natural and man-made resources.

b. The purpose of the policy is to comply with the terms of the Project No. 516 License, the regulations and the orders of the FERC and to assist in providing a balance between recreation and environmental control.

2. Water Quality Standards

SCE&G will conduct a continuing water quality monitoring program to ensure that the waters of Lake Murray continue to be of an "A" classification suitable for swimming, fishing and other water-related recreational activities.

3. Undeveloped Areas

SCE&G owned undeveloped land around the lake is managed by the Land Department. These properties will be maintained through a sound forest management program to ensure the health of the forest. Timber will be managed in a multiple use manner in compliance with the S. C. Best Management Practices to maintain a balance of quality watershed

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

conditions, recreational opportunities, wildlife habitat and promotion of new timber growth.

II. PUBLIC FISHING, BOATING AND HUNTING

1. Fisheries Management

The South Carolina Department of Natural Resources maintains an annual stocking program during the months of April, May and June. Fisheries Management of the lake in future years will consist of annual checks of the population by predator stocking (striped bass). Approximately 20,000 Rainbow Trout are stocked in the Saluda River below the dam annually. State fishing and safety regulations are enforced by the South Carolina Department of Natural Resources.

2. Boating Safety

The boating laws of South Carolina are enforced by the South Carolina Department of Natural Resources Department on Lake Murray

3. Public Hunting

Approximately 6,225 acres of watershed land within and adjacent to Project No. 516 are leased to the South Carolina Department of Natural Resources as a part of the statewide Game Management Program. This land is located adjacent to the western portions of Lake Murray and in many cases, adjacent to other privately held lands that are also in the management program. These public hunting areas are shown on Game Management Area Maps available through the South Carolina Department of Natural Resources.

III. PUBLIC LANDINGS and Parksites

Recreation will be placed in a separate brochure or map.

1. SCE&G Park Facilities

SCE&G presently maintains 12 parks on Lake Murray, for a total of 56 acres. Each park provides a variety of recreational opportunities available to the public. Recreational activities include boat launching, fishing and picnicking. At the recreational facilities located on the north and south ends of the Lake Murray Dam a parking fee is charged to provide security and traffic control in congested areas. (Park season is from April 1 through September 30).

In addition to the existing 12 developed public parks, there are 65 islands in Lake Murray consisting of 220 acres that are available for public recreation.

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Lake and Land Management Technical Working Committee**

2. ▾

**Deleted: Criteria for Establishing
New Company Facilities¶**

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Additional park sites have been set aside by SCE&G. When public demand justifies the need for additional parks, these sites will be developed in cooperation with state and county agencies or independently by SCE&G.

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3. Saluda River Access

Update with Saluda Shoals Park and Metts Landing. Place in Recreation Brochure.

Public boat ramps are provided on the north and south sides of the Saluda River approximately 1 mile below the dam where Hope Ferry Road once crossed the river. They can be reached from the south by Corley Mill Road and on the north by Bush River Road.

A canoe portage facility is located approximately seven miles below the Lake Murray Dam on the north side of the Saluda River off of Bush River Road.

4. Commercial Facilities

Place in Recreation Brochure

Public access to the lake is also provided at privately-owned facilities. Boat launching and other recreation activities are available.

5. S. C. Department of Parks, Recreation and Tourism

Place in Recreation Brochure

Dreher Island State Park provides boat ramps, camping, swimming, nature trails, sailing, and overlook areas. This 348 acre island is leased to PRT by SCE&G. See www.southcarolinaparks.com or call 803-364-4152 for more information.

Make new sections as follows:

List all permitted activities, list all activities and provide a description of the activities.

IV. DOCKS

1. General

SCE&G requires that all docks, fixed, floating or combinations, be inspected by SCE&G agents to comply with Section IV, Paragraph 6, and that an inspection decal be prominently displayed on the approved dock.

2. Policy

SCE&G requires that anyone desiring to repair, replace, add to, or construct a dock must file an application before a permit will be issued prior to start of construction. Docks, whether fixed or floating must not interfere with surface water activities or navigation and must be compatible with scenic values in the vicinity. Use of common docks will be encouraged where practical.

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3. General Requirements

A minimum lot width of 100 feet along the 360 foot contour is required before an individual residential dock application will be considered.

Lots measuring less than 100 feet in width along the 360 contour requesting a dock, will be required to construct common docks with adjacent property owner(s). It is an applicant's responsibility to make arrangements with his neighbor(s) for common dock facilities. Common docks may accommodate up to five (5) individual lakefront property owners. A minimum distance of 100 feet is required between common docks and/or a common dock and an existing individual dock.

Lots measuring less than 100 feet in width in subdivisions established prior to 1989, where the adjacent lots have existing docks, may be considered for limited size docks.

If an existing lot having a permitted dock is subdivided, that dock permit will be canceled. A new permit will be issued only if the shoreline width requirement is met or if a common dock for all resulting lots is requested.

4. Watercraft Limitations

No watercraft exceeding 30 feet in length will be permitted to be permanently docked at a residential or common area dock.

Watercraft exceeding 30 feet must be docked at a multi-use docking facility

It is against both federal and state laws to discharge sewage from any description of watercraft into the waters of South Carolina.

5. Application Procedure for New Construction, Additions or Replacements

The applicant will be required to apply to SCE&G in writing and submit the following:

- a. Sketch showing location, design and dimensions of the proposed structure.
- b. Permitting fee required.
- c. Specific directions by land to applicant's property on Lake Murray.

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d. Plat of applicant's property reflecting, among other things, county tax map information..

6. Dock Specifications

a. Private docks whether permanent, floating or a combination of both, may generally be up to 450 square feet in overall size (surface area) and 75 feet in length provided they do not interfere with navigation, ingress or egress to adjoining property or are in any manner hazardous. In some locations, such as narrow coves, the maximum size may not be permitted or docks may not be permitted at all. Floating docks attached to permanent docks may be moved out as the water level recedes, provided they do not interfere with adjacent property owner's access.

b. A variance in the dimensions related to the length of docks may be granted in instances where conformity with existing structures would be practical and in cases where exceptions would be desirable due to curvature and/or slope of the shoreline. However, the effects on navigation and the aesthetic values of the surrounding area will control issuance of any variance.

c. All permanent docks must be built horizontally between the elevation of 360 foot and 362 foot contour.

d. Docks must be located a minimum of 15 feet from adjacent property lines and the projected length should not encroach across the imaginary projected lot lines. The projection of the imaginary property line is a management tool to assist Lake Management Representatives and may be waived under certain circumstances. Common docks, between adjacent property owners, are encouraged. The sideline limitation of 15 feet will be waived for existing or proposed common use docks. A copy of the written agreement between participating property owners will be furnished to SCE&G. An acceptable form of agreement is available upon request.

e. Covers on docks are not permissible unless the covered portion is located within 15ft. of the 360 foot contour. Handrailings on docks are permissible, provided that the sides of docks are not enclosed so as to obscure cross-vision.

f. Sinks, toilets, showers, etc., or any type of equipment or construction which will create or cause any liquid or solid waste to be discharged into the waters of the lake will not be permitted.

g. Effective January 1, 1995, all new floating docks constructed on Lake Murray are required to use encased or encapsulated flotation. Exposed foam bead flotation billets, or metal drums will not be allowed. Foam bead flotation

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deteriorates, causing shoreline litter. It is subject to destruction by animals and becomes waterlogged.

The New regulation applies only to new dock construction. Existing docks will be required to install encapsulated flotation when the old existing flotation needs to be replaced.

h. Houseboats used for habitation may not be permanently moored at private docks. Permanent mooring must be at marinas with sewer pump-out and treatment facilities.

7. Common Dock Policy

Common docks are docks which provide lake access for two to five family residential lots. Common docks are encouraged for all lake property as an alternative to individual docks and will be required on property with poor access and/or limited lake frontage, or in such other circumstances that SCE&G deems appropriate. Property owners are encouraged to adopt the common dock concept to reduce the number of docks on the shoreline and limit congestion in heavily developed areas.

SCE&G does not guarantee water access. Each lot is affected by the existing contours of the lake bottom and the operation of the Saluda Hydro Electric Project. It is the applicant's responsibility to review the shoreline area where the dock is to be located and to apply the restrictions outlined in Section IV-6 above to ensure the dock will meet the applicant's needs and satisfy SCE&G's shoreline management requirements.

8. Multi-slip Dock Policy [Make sure this multi-slip term is consistent between this document and the SMP.]

Deleted: Commercial

The development and expansion of new or existing commercial docks will be negotiated on a case by case basis. The necessary Federal State and Local approved permits must be obtained before final approval by South Carolina Electric and Gas and the Federal Energy Regulatory Commission.

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V. Boat Ramps, Marine Railways & Boat Lifts

1. Policy

Boat ramps, marine railways, or boat lifts cannot be constructed, replaced or added to without a permit from SCE&G. The use of boat ramps at public and semi-public facilities shall be encouraged in preference to construction of private ramps. Refer to Section IX - 2. concerning boatramps on fringeland. [add more detail of boat ramp details with incentives for improvements if they ramps are allowed, such as vegetation, slope, topography, etc.]

2. Application Procedure

Applications for permits to construct, add to, or replace boat ramps, marine railways, boat lifts shall be submitted to SCE&G in writing and must include the following:

- a. Sketch showing location and dimensions of the proposed ramp, boat lift and/or marine railway.
- b. Permitting fee required.
- c. Specific directions, by land, to applicant's property on Lake Murray.

3. Boat Ramp, Boat Lift, Personal Watercraft Lifts and/or Marine Railway Specifications

- a. Ramps will be constructed of concrete. Asphalt compounds or petroleum base products are prohibited.
- b. All ramps should be located as not to interfere with neighboring property owners. Adjoining property owners are encouraged to agree to common use of the ramp. A copy of the written agreement between participating property owners will be furnished to SCE&G.
- c. Ramps may generally be up to 15 feet wide and required length to be functional. Public and semi -public ramps may be granted a variance.

d. Generally, marine railways to be constructed for access to the lake from facilities located above the 360 foot contour are permitted. Railways constructed below the 360 foot contour area restricted to two foot elevation above the natural lake basin.

e. Boat lifts should be located as not to interfere with the adjoining property owners' access. All boat lifts will be constructed at the owners' dock. No

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covers are to be constructed over boatlifts. [only one boat lift will be approved per dock.] [we need to address floating drive on docks under Dock Section of the SMP] [address jet ski drive on docks – we do not object to them at this time.]

f. Personal Watercraft lifts will require a permit from SCE&G [We need to address jet ski lifts]

g. Floating platforms or tubes (look at Duke SMP program for water toys)

VI. Moorings (develop a definition of anchorages at USACE)

Absent exceptional circumstances, mooring on the waters of Lake Murray is not allowed.

Ski jumps are not allowed. Ski courses are not allowed on a permanent basis

VII. Shoreline Stabilization

No sand shall be placed below the 360 foot contour. They shall take effective measures to keep sand from migrating below the 360 foot contour.

1. Policy

No rip-rapping, seawalls or retainer walls will be constructed, replaced, repaired or added to without a permit from SCE&G.

2. Application Procedure

Applicants for permits for erosion control shall be submitted to SCE&G in writing and must include the following:

- a. A copy of applicant's deed and plat to the property.
- b. Area on plat where located and type of erosion control proposed.
- c. Permitting fee required.
- d. Specific directions by land, to applicant's property on Lake Murray.

3. Specifications

- a. Rip -rapping

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Rip-rapping for erosion control at the 360 foot contour and below will generally be permitted provided it is aesthetically acceptable and materials used have prior approval by SCE&G. (No ~~concrete~~ blocks, bricks, or building materials may be used as rip-rap below the 360 foot contour).

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b. Seawalls or retainer walls

Seawalls or retainer walls for erosion control will be permitted provided they are constructed on the 360 foot contour. Earth fills below the 360 foot contour are prohibited.

4. Limited Brushing

Trees, bushes, and vegetation growing below the 360 foot contour on the shoreline of Lake Murray play an important role in the overall environmental condition of the Lake. The ecological impact the vegetation has on the fish and wildlife habitat is necessary to ensure a sound, healthy Lake environment. South Carolina Electric & Gas Company's Shoreline Management Plan permits limited removal of the shoreline vegetation for the construction and installation of docks. Please be advised that unauthorized removal of shoreline vegetation (button bushes, willow trees, hardwood, etc.) will result in the cancellation of the dock permit and revegetation of the shoreline will be required. Removal of merchantable timber may require reimbursement subject to valuation by SCE&G's Land Department. Property owners must contact South Carolina Electric & Gas Company's Lake Management Department prior to any removal of shoreline vegetation below the 360' contour.

VIII. Excavations

1. Policy

Excavation below the 360 foot contour is not permitted without authorization from SCE&G. All authorized excavations must be in accordance with SCE&G specifications and requirements which may include an environmental assessment plan or report.

2. Application Procedure

Applications for permits to excavate shall be submitted to SCE&G in writing and will include the following:

- a. A copy of applicant's deed and plat of property.
- b. Specific directions, by land, to applicant's property on Lake Murray.
- c. Drawing to scale of area to be excavated.

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- d. Required local, state and federal permits. Lake Management Department of SCE&G will assist in preparation of required local, state and federal permits.
- e. An application for an excavation not exceeding 150 cubic yards can be processed by SCE&G personnel. Any commercial excavation or individual individual excavation exceeding 150 cubic yards must be processed through the U. S. Army Corps of Engineers and State agencies.
- f. Permitting fee required.

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3. Excavation Specifications

- a. All excavating must be done directly in front of the permittee's lot.
- b. No excavation will be permitted when the excavation site is covered with water.
- c. All displaced soil must be moved above the 360 foot contour and must be stabilized and top seeded to prevent erosion.
- d. A 4 to 1 slope is the maximum slope allowed without rip rap. A 2 to 1 slope is permitted if rip-rap is installed.
- e. Excavations of wooded or vegetated areas located below the 360 foot contour is prohibited.
- f. No excavation will be permitted to alter the existing 360 contour.
- g. Excavation activities will be allowed only between October 1st of the current year and January 15th of the next year. Permits expire January 15 following the date of issuance

IX. LAND USE

1. Encroachments

Earth fills and non-permitted structures below the 360 foot contour are prohibited. Any that occurred prior to January 1, 1974, will be handled on a case by case basis.

2. Fringeland [insert diagram!!!]

Fringeland is that strip of land owned by SCE&G located between the 360 foot contour and the FERC Project Boundary Line. Fringeland is real estate

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and as such falls under the responsibility of the Land Department. The use of all fringeland is categorized under a Land Use Classification Plan. Fringeland under the Development Category is generally available for purchase by the adjoining back property owner subject to Land Department and FERC review and regulation. However, as landowner, the Company retains the discretion to determine the availability of parcels for sale on an individual basis. Residential landowners, who have property behind SCE&G fringeland will have the right of access by foot to and from the lake. However, they will not be allowed to encroach with improvements, cut any trees or shrubs, place any water-oriented encroachments (dock or ramp) or otherwise alter the fringeland without written consent from the Lake Management Department. Appropriate action will be initiated to address such unauthorized violations. Upon the sale of fringeland to an individual, SCE&G generally retains title to a 75 foot buffer zone adjacent to the 360 foot contour.

Any unauthorized clearing of the trees or underbrush in the 75 foot buffer zone will result in the immediate cancellation of the individual's dock permit as well as possible legal action to require the revegetation of the affected area. Removal of merchantable timber will require reimbursement to South Carolina Electric & Gas Company subject to valuation of the Land Department.

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X. WATER REMOVAL FROM THE LAKE [Move this section to after Moorings]

1. Application for a Permit [Commercial and residential requests for water withdrawals should contact SCE&G for permit applications and additional information. Water removal permits for residential property will be for irrigation purposes only.]

[note – verify this information is in the SMP] Applications for a commercial permit to remove water may be submitted to SCE&G. SCE&G will deny the application if it appears to conflict with the public interest. If not, it will be forwarded to FERC for approval if required. SCE&G will not endorse such applications. SCE&G will impose limits in granting permits for approved applications. The applicant will be required to compensate SCE&G for water withdrawn and to bear expenses of filing the application.

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2. Application Procedure

A commercial application to withdraw water from the lake must include a complete description of the purpose for the removal and processes to be used, the volumes to be withdrawn and ultimately to be returned to the project waters, and copies of all required local, state, and federal permits and reports. A fee will be required.

XI. EFFLUENT DISCHARGES [for SMP only – make sure this information is in the SMP.]

[We should include a statement in this document as follows: Lake Murray is classified as a no sewage discharge lake.]

1. Policy

SCE&G personnel will continue to notify appropriate governmental officials of any unauthorized effluent discharges which are discovered. Anyone found to have an unauthorized discharge source within the project boundary line will be required to remove it.

2. Installation of Sewage Pumping Stations at Marinas

Commercial marinas must have facilities to remove effluent wastes from boats pursuant to South Carolina Department of Health and Environmental Control regulations.

XII. GOVERNMENTAL CONSENTS [make sure the first two paragraphs are included in the SMP and remove from this document.]

The South Carolina Department of Natural Resources has jurisdiction over navigation, wildlife, fisheries on Lake Murray. Applications for construction of new docks, boat ramps, excavations, filling and other encroachments may require evidence of consent from this agency.

The S. C. Department of Health and Environmental Control and the U. S. Environmental Protection Agency have jurisdiction over effluent discharges and activities affecting water quality in Lake Murray. Permits and certificates from these agencies may also be required.

Leave this statement in this document: [Permits or consents from local governments with jurisdiction over zoning or other land use laws may be required.]

XIII. GENERAL [include PFD, boating, other safety issues and/or websites to address these issues in more detail.]

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Aquatic Plants [Dick Christie to develop a write-up for this section.]

Deleted: Weeds

The management of the Aquatic Weed Program on Lake Murray is a cooperative agreement between the South Carolina Department of Natural Resources and South Carolina Electric & Gas Company's Lake Management Department. Lake visitors are requested to help prevent the spread of aquatic weeds by clearing off boats and trailers before launching into the waters of Lake Murray.

It is against both State and Federal regulations for individuals to spray or treat aquatic growth in the waters of Lake Murray without the necessary permits. Report all unauthorized spraying or aquatic weed problems to South Carolina Electric & Gas Company's Lake Management Department.

Notice to Boaters (Overhead Powerlines
Crossing Project Waters)

Overhead powerlines cross the waters of Lake Murray. Boaters should be aware of powerlines and approach with caution.

Deeds, permits or other instruments affecting Project 516 lands and waters will contain all standard covenants customarily imposed upon project property and such other covenants as in the sole discretion of SCE&G may be desirable or appropriate. The instrument may contain indemnity clauses and insurance provisions.

Inspection fees do not constitute a charge for admission to Project lands,.

SCE&G retains the right to vary the amount of inspection fees.

No vested right or rights enforceable by third parties are created by SCE&G's Policies or Procedures.

All statements in this booklet are qualified by reference to SCE&G's Policy Memorandum and Procedure Memorandum governing Lake Murray, both of which are subject to change at any time. Regulations, Orders and Directives of the Federal Energy Regulatory Commission will take precedence.

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Maps of Lake Murray showing public and commercial landings, parks, shoal markings and other information are available free of charge from the South Carolina Electric & Gas Company.

Inquiries concerning policies, procedures, applications or regulations as outlined in this booklet should be directed to South Carolina Electric & Gas Company (096), Lake Murray Management Department, Columbia, South Carolina 29218. Telephone (803) 748-3015.

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Lake and Land Management Technical Working Committee**



**South Carolina Electric & Gas Company
Lake Murray Management Department
Mail Code 096
Columbia, South Carolina 29218**

**Published 1-75
Revised 5-80
Revised 5-84
Revised 6-88**

**Saluda Hydro Relicensing
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Revised 2-90
Revised 8-95

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particular section would need to be addressed in more detail during TWC discussion on land reclassification.

It was noted that discussion on fisheries management would not be included in the smaller booklet, but in the more detailed SMP. In place of extended discussion on this topic in the booklet, the group noted that DNR's website would be listed as a reference for information on fisheries management. The group also noted that the phone number for Marine Enforcement should be included under the section entitled Boating Safety. There was continued discussion on the purpose and function of the booklet and it was noted that another separate booklet would be put together for Recreation, while this booklet strictly contained the do's and don'ts in the Shoreline Management Program.

The group briefly discussed the Environmentally Sensitive Areas (ESA)s. John Frick asked if the ESA classifications would shift over time due to die-offs. Ron Ahle replied that although the button bushes may die from time to time in an area, the habitat that is suitable for growth will remain, and they will come back over time. Ron also noted that periodic updates to ESA's may be beneficial to protect areas that were not originally identified.

Dick Christie made a few suggestions to the SMP booklet for the group to consider. He noted that it may be beneficial to list Shoreline Classifications at the beginning of the booklet. He explained that this section could include discussion on what activities are allowed in areas such as Forest and Game Management, what acreage is included in those lands, etc. Tommy Boozer also added that discussion on what activities can be performed in the Buffer Zone should be included as well.

The group continued to progress through the booklet and noted that there would be a brief reference to SCE&G Park facilities; although the points on Criteria for Establishing New Facilities would be taken out, while the other items could be placed in the recreation booklet.

As the group began discussion on dock policies, Ron suggested that the group come up with some proposals for incentive programs. The group noted that incentive programs would be discussed at a later date and the group was tasked to consider incentives in the meantime, as well as review incentive programs at other projects.

The group briefly discussed boat ramps and Tommy explained this issue to the group. Tommy noted that they do not permit a boat ramp to an individual that has access to a community boat ramp. He explained that the only instances in which SCE&G does permit a boat ramp are when the individual owns down to the 360, is not associated with a common access area and they have no vegetation to consider. Ron suggested that the group consider not allowing private residential boat ramps. Alan noted that a ramp may be used as an incentive to have the homeowner plant button bushes on his property. The group agreed that this may be an area for incentives.

Discussion arose regarding boat lifts and Tommy explained that they only allow one boatlift per dock. Tommy continued to note that he would like the groups' input on the issue of jet ski lifts. He pointed out that most of the jet ski or personal watercraft lifts are floating and have been considered temporary because they are fiberglass and are placed on the backside of docks. Tommy noted that it currently has not been an issue due to the fact that the footprint of the dock does not change.

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Tommy also explained that another issue that they have been confronted with is the homeowner wanting to purchase a jet dock in order to pull their boat up on. He explained that they are currently handling this situation by informing the individuals that they cannot have the jet dock unless it took the place of their current dock and was a maximum size of 20' x 12'. Dick made the suggestion of defining "jet dock" in the booklet. Tom Eppink noted that he believed it best that a permitting process be developed for jet ski lifts.

Tony Bebbler explained that in the Catawba relicensing issues with water toys, such as trampolines and air kites, arose. The group considered these issues and noted that water toys, such as trampolines, could not be left out for more than a day without being considered a mooring, adding to the total footprint of the area. The group also decided to review Catawba's policy on this. It was noted that the term "mooring" would also be defined in the booklet. Tommy Boozer also explained that there are no approved ski jumps or ski courses on the lake.

The group began to discuss earthfill encroachments. It was noted that these encroachments happened many years ago and most are 5 to 10 ft. Tommy explained that they sometimes have the encroachments removed, however in some cases it is more detrimental to remove an encroachment than to permit it. Tommy also explained that the license allows SCE&G to sell those encroachments to the property owner.

The next topic to discuss was fringelands, however the group noted that this topic would be discussed in more detail prior to a presentation on this issue by Van Hoffman. The group briefly discussed the section on water removal and noted that it would be revised and condensed.

As the group continued through the document, it was noted that many of the items would be discussed in detail in the SMP, rather than in the booklet. Dick noted that he would put together a section on aquatic plants for the booklet as a homework assignment.

The group concluded the discussion on the SMP booklet and briefly noted the homework items before moving on to discuss the General Requirements for Docks.

In discussions on the General Requirements for docks, Steve Bell requested an estimate on the maximum number of docks possible on Lake Murray. When asked why this number was useful, Steve noted that it has been requested for consideration in whether the footprint is too large. SCE&G noted that they could calculate the maximum docks on the lake, however the number would be completely theoretical. It was noted that more discussion on the General Requirements would occur after the number was distributed to Lake Watch.

John Frick suggested an alternative proposal of increasing the spacing between docks to 400 ft. Tommy noted that that would essentially be privatizing the lake because very few people could afford that much shoreline. Tony made the suggestion of encouraging people to go to shared docks. The group decided to discuss this issue in more detail during discussions on incentives.

Agenda for next meeting:

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It was noted that at the next meeting there would be discussion on multi-slip docks and common access areas. Tommy would give a presentation on how multi-slip docks and common access areas are currently being permitted.

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Lake Murray

Shoreline Management Program

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Lake Murray

Policies and Procedures

INTRODUCTION

Work of clearing the site for the Saluda River Hydroelectric Development was started in April of 1927 under a permit granted by the Federal Power Commission to the Lexington Water Power Company.

In July of 1930 Lake Murray reached an elevation of 300 feet. The following December, the first electric power, 10,000 kilowatts, was delivered. At the time of its completion, Saluda Dam was the largest earth dam in cubical content for power purposes in the world¹. The dam itself is 211 feet high and contains over 11 million cubic yards of material. Lake Murray is 41 miles long and 14 miles wide at its widest point and contains 763 billion gallons of water. It has a shoreline of approximately 650 miles including the islands.

Residents and visitors to Lake Murray are familiar with its fluctuating water levels. In the Saluda River watershed, about 75 percent of the normal rainfall comes in the first six months of the calendar year. The lake level can reach 360 feet; however the normal high lake level is usually reached in May at about 358 feet above mean sea level. When rainfall decreases during the summer months and the demand for power increases, the elevation begins to drop with a normal minimum of about 350 feet elevation coming in the fall of the year.

Lake Murray, over the years, has been, and still is, a major power generation source and provider of recreational and commercial resources for the residents and visitors of South Carolina.

In the late 1960's a rapid change in the character and rate of development of the lake began to take place.

As development increases, due primarily to Lake Murray's close proximity to the Columbia Metropolitan area, the very values that attract families and visitors in the first place could be destroyed unless the potential for environmental degradation is recognized by all parties concerned.

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South Carolina Electric & Gas Company, (SCE&G) as owner and Licensee of Federal Energy Regulatory Commission Project No. 516, realizes the need for formulation of rules and regulations to promote and enhance the recreational potential of Lake Murray and protect its environmental quality while continuing to use Lake Murray as a major part of SCE&G's power production capabilities. All lake management policies are consistent with the regulations and requirements of the Federal Energy Regulatory Commission (FERC) under whose authority SCE&G owns and operates Lake Murray for the generation of power.

SCE&G's Lake Management Department is responsible for enforcing FERC directives regarding unauthorized uses of Lake Murray waters and land below the 360 foot contour elevation.

FERC directives require SCE&G to prevent or halt unauthorized actions by taking measures to stop such actions.

SCE&G has implemented a Shoreline Management Permitting Program (described in this booklet) to permit, upgrade, and properly maintain structures and facilities below the 360 contour. These regulations and inspection programs serve to maintain an environment at Lake Murray which has something to offer to everyone.

[Add Sections for ESA and Land Use Classification and what people can do on these lands](#)

I. ENVIRONMENTAL POLICIES

1. General Policy and Purpose

a. The implementation by SCE&G of the Lake Murray Shoreline Management Program shall maintain and conserve the area's natural and man-made resources.

b. The purpose of the policy is to comply with the terms of the Project No. 516 License, the regulations and the orders of the FERC and to assist in providing a balance between recreation and environmental control.

2. Water Quality Standards

SCE&G will conduct a continuing water quality monitoring program to ensure that the waters of Lake Murray continue to be of an "A" classification suitable for swimming, fishing and other water-related recreational activities.

3. Undeveloped Areas

SCE&G owned undeveloped land around the lake is managed by the Land Department. These properties will be maintained through a sound forest management program to ensure the health of the forest. Timber will be managed in a multiple use manner in compliance with the S. C. Best Management Practices to maintain a balance of quality watershed

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conditions, recreational opportunities, wildlife habitat and promotion of new timber growth.

II. PUBLIC FISHING, BOATING AND HUNTING

1. Fisheries Management

The South Carolina Department of Natural Resources maintains an annual stocking program during the months of April, May and June. Fisheries Management of the lake in future years will consist of annual checks of the population by predator stocking (striped bass). Approximately 20,000 Rainbow Trout are stocked in the Saluda River below the dam annually. State fishing and safety regulations are enforced by the South Carolina Department of Natural Resources.

2. Boating Safety

The boating laws of South Carolina are enforced by the South Carolina Department of Natural Resources Department on Lake Murray

3. Public Hunting

Approximately 6,225 acres of watershed land within and adjacent to Project No. 516 are leased to the South Carolina Department of Natural Resources as a part of the statewide Game Management Program. This land is located adjacent to the western portions of Lake Murray and in many cases, adjacent to other privately held lands that are also in the management program. These public hunting areas are shown on Game Management Area Maps available through the South Carolina Department of Natural Resources.

III. PUBLIC LANDINGS and Parksites

Recreation will be placed in a separate brochure or map.

1. SCE&G Park Facilities

SCE&G presently maintains 12 parks on Lake Murray, for a total of 56 acres. Each park provides a variety of recreational opportunities available to the public. Recreational activities include boat launching, fishing and picnicking. At the recreational facilities located on the north and south ends of the Lake Murray Dam a parking fee is charged to provide security and traffic control in congested areas. (Park season is from April 1 through September 30).

In addition to the existing 12 developed public parks, there are 65 islands in Lake Murray consisting of 220 acres that are available for public recreation.

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Lake and Land Management Technical Working Committee**

2. ▾

**Deleted: Criteria for Establishing
New Company Facilities**

¶
Additional park sites have been set aside by SCE&G. When public demand justifies the need for additional parks, these sites will be developed in cooperation with state and county agencies or independently by SCE&G.

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3. Saluda River Access

Update with Saluda Shoals Park and Metts Landing. Place in Recreation Brochure.

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Public boat ramps are provided on the north and south sides of the Saluda River approximately 1 mile below the dam where Hope Ferry Road once crossed the river. They can be reached from the south by Corley Mill Road and on the north by Bush River Road.

A canoe portage facility is located approximately seven miles below the Lake Murray Dam on the north side of the Saluda River off of Bush River Road.

4. Commercial Facilities

Place in Recreation Brochure

Public access to the lake is also provided at privately-owned facilities. Boat launching and other recreation activities are available.

5. S. C. Department of Parks, Recreation and Tourism

Place in Recreation Brochure

Dreher Island State Park provides boat ramps, camping, swimming, nature trails, sailing, and overlook areas. This 348 acre island is leased to PRT by SCE&G

Make new sections as follows:

List all permitted activities, list all activities and provide a description of the activities.

Deleted:

IV. DOCKS

1. General

SCE&G requires that all docks, fixed, floating or combinations, be inspected by SCE&G agents to comply with Section IV, Paragraph 6, and that an inspection decal be prominently displayed on the approved dock.

2. Policy

SCE&G requires that anyone desiring to repair, replace, add to, or construct a dock must file an application before a permit will be issued prior to start of construction. Docks, whether fixed or floating must not interfere with surface water activities or navigation and must be compatible with scenic values in the vicinity. Use of common docks will be encouraged where practical.

3. General Requirements

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A minimum lot width of 100 feet along the 360 foot contour is required before an individual residential dock application will be considered.

Lots measuring less than 100 feet in width along the 360 contour requesting a dock, will be required to construct common docks with adjacent property owner(s). It is an applicant's responsibility to make arrangements with his neighbor(s) for common dock facilities. Common docks may accommodate up to five (5) individual lakefront property owners. A minimum distance of 100 feet is required between common docks and/or a common dock and an existing individual dock.

Lots measuring less than 100 feet in width in subdivisions established prior to 1989, where the adjacent lots have existing docks, may be considered for limited size docks.

If an existing lot having a permitted dock is subdivided, that dock permit will be canceled. A new permit will be issued only if the shoreline width requirement is met or if a common dock for all resulting lots is requested.

4. Watercraft Limitations

No watercraft exceeding 30 feet in length will be permitted to be permanently docked at a residential or common area dock.

Watercraft exceeding 30 feet must be docked at a multi-use docking facility

It is against both federal and state laws to discharge sewage from any description of watercraft into the waters of South Carolina.

5. Application Procedure for New Construction, Replacements, Additions or

The applicant will be required to apply to SCE&G in writing and submit the following:

- a. Sketch showing location, design and dimensions of the proposed structure.
- b. Permitting fee required.
- c. Specific directions by land to applicant's property on Lake Murray.
- d. Plat of applicant's property reflecting, among other things, county tax map information..

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6. Dock Specifications

- a. Private docks whether permanent, floating or a combination of both, may generally be up to 450 square feet in overall size (surface area) and 75 feet in length provided they do not interfere with navigation, ingress or egress to adjoining property or are in any manner hazardous. In some locations, such as narrow coves, the maximum size may not be permitted or docks may not be permitted at all. Floating docks attached to permanent docks may be moved out as the water level recedes, provided they do not interfere with adjacent property owner's access.
- b. A variance in the dimensions related to the length of docks may be granted in instances where conformity with existing structures would be practical and in cases where exceptions would be desirable due to curvature and/or slope of the shoreline. However, the effects on navigation and the aesthetic values of the surrounding area will control issuance of any variance.
- c. All permanent docks must be built horizontally between the elevation of 360 foot and 362 foot contour.
- d. Docks must be located a minimum of 15 feet from adjacent property lines and the projected length should not encroach across the imaginary projected lot lines. The projection of the imaginary property line is a management tool to assist Lake Management Representatives and may be waived under certain circumstances. Common docks, between adjacent property owners, are encouraged. The sideline limitation of 15 feet will be waived for existing or proposed common use docks. A copy of the written agreement between participating property owners will be furnished to SCE&G. An acceptable form of agreement is available upon request.
- e. Covers on docks are not permissible unless the covered portion is located within 15ft. of the 360 foot contour. Handrailings on docks are permissible, provided that the sides of docks are not enclosed so as to obscure cross-vision.
- f. Sinks, toilets, showers, etc., or any type of equipment or construction which will create or cause any liquid or solid waste to be discharged into the waters of the lake will not be permitted.
- g. Effective January 1, 1995, all new floating docks constructed on Lake Murray are required to use encased or encapsulated flotation. Exposed foam bead flotation billets, or metal drums will not be allowed. Foam bead flotation deteriorates, causing shoreline litter. It is subject to destruction by animals and becomes waterlogged.

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The New regulation applies only to new dock construction. Existing docks will be required to install encapsulated flotation when the old existing flotation needs to be replaced.

h. Houseboats used for habitation may not be permanently moored at private docks. Permanent mooring must be at marinas with sewer pump-out and treatment facilities.

7. Common Dock Policy

Common docks are docks which provide lake access for two to five family residential lots. Common docks are encouraged for all lake property as an alternative to individual docks and will be required on property with poor access and/or limited lake frontage, or in such other circumstances that SCE&G deems appropriate. Property owners are encouraged to adopt the common dock concept to reduce the number of docks on the shoreline and limit congestion in heavily developed areas.

SCE&G does not guarantee water access. Each lot is affected by the existing contours of the lake bottom and the operation of the Saluda Hydro Electric Project. It is the applicant's responsibility to review the shoreline area where the dock is to be located and to apply the restrictions outlined in Section IV-6 above to ensure the dock will meet the applicant's needs and satisfy SCE&G's shoreline management requirements.

8. ~~Multi-slip Dock Policy [Make sure this multi-slip term is consistent between this document and the SMP.]~~

Deleted: Commercial

The development and expansion of new or existing commercial docks will be negotiated on a case by case basis. The necessary Federal State and Local approved permits must be obtained before final approval by South Carolina Electric and Gas and the Federal Energy Regulatory Commission.

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V. Boat Ramps, Marine Railways & Boat Lifts

1. Policy

Boat ramps, marine railways, or boat lifts cannot be constructed, replaced or added to without a permit from SCE&G. The use of boat ramps at public and semi-public facilities shall be encouraged in preference to construction of private ramps. Refer to Section IX - 2. concerning boatramps on fringeland. [add more detail of boat ramp details with incentives for improvements if they ramps are allowed, such as vegetation, slope, topography, etc.]

2. Application Procedure

Applications for permits to construct, add to, or replace boat ramps, marine railways, boat lifts shall be submitted to SCE&G in writing and must include the following:

- a. Sketch showing location and dimensions of the proposed ramp, boat lift and/or marine railway.
- b. Permitting fee required.
- c. Specific directions, by land, to applicant's property on Lake Murray.

3. Boat Ramp, Boat Lift, Personal Watercraft Lifts and/or Marine Railway Specifications

- a. Ramps will be constructed of concrete. Asphalt compounds or petroleum base products are prohibited.
- b. All ramps should be located as not to interfere with neighboring property owners. Adjoining property owners are encouraged to agree to common use of the ramp. A copy of the written agreement between participating property owners will be furnished to SCE&G.
- c. Ramps may generally be up to 15 feet wide and required length to be functional. Public and semi-public ramps may be granted a variance.
- d. Generally, marine railways to be constructed for access to the lake from facilities located above the 360 foot contour are permitted. Railways constructed below the 360 foot contour area restricted to two foot elevation above the natural lake basin.

e. Boat lifts should be located as not to interfere with the adjoining property owners' access. All boat lifts will be constructed at the owners' dock. No

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covers are to be constructed over boatlifts. [only one boat lift will be approved per dock.] [we need to address floating drive on docks under Dock Section of the SMP] [address jet ski drive on docks – we do not object to them at this time.]

f. Personal Watercraft lifts will require a permit from SCE&G [We need to address jet ski lifts]

g. Floating platforms or tubes (look at Duke SMP program for water toys)

VI. Moorings (develop a definition of anchorages at USACE)

Absent exceptional circumstances, mooring on the waters of Lake Murray is not allowed.

Ski jumps are not allowed. Ski courses are not allowed on a permanent basis

VII. Shoreline Stabilization

No sand shall be placed below the 360 foot contour. They shall take effective measures to keep sand from migrating below the 360 foot contour.

1. Policy

No rip-rapping, seawalls or retainer walls will be constructed, replaced, repaired or added to without a permit from SCE&G.

2. Application Procedure

Applicants for permits for erosion control shall be submitted to SCE&G in writing and must include the following:

- a. A copy of applicant's deed and plat to the property.
- b. Area on plat where located and type of erosion control proposed.
- c. Permitting fee required.
- d. Specific directions by land, to applicant's property on Lake Murray.

3. Specifications

- a. Rip -rapping

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Rip-rapping for erosion control at the 360 foot contour and below will generally be permitted provided it is aesthetically acceptable and materials used have prior approval by SCE&G. (No ~~concrete blocks~~, bricks, or building materials may be used as rip-rap below the 360 foot contour).

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- b. Seawalls or retainer walls

Seawalls or retainer walls for erosion control will be permitted provided they are constructed on the 360 foot contour. Earth fills below the 360 foot contour are prohibited.

4. Limited Brushing

Trees, bushes, and vegetation growing below the 360 foot contour on the shoreline of Lake Murray play an important role in the overall environmental condition of the Lake. The ecological impact the vegetation has on the fish and wildlife habitat is necessary to ensure a sound, healthy Lake environment. South Carolina Electric & Gas Company's Shoreline Management Plan permits limited removal of the shoreline vegetation for the construction and installation of docks. Please be advised that unauthorized removal of shoreline vegetation (button bushes, willow trees, hardwood, etc.) will result in the cancellation of the dock permit and revegetation of the shoreline will be required. Removal of merchantable timber may require reimbursement subject to valuation by SCE&G's Land Department. Property owners must contact South Carolina Electric & Gas Company's Lake Management Department prior to any removal of shoreline vegetation below the 360' contour.

VIII. Excavations

1. Policy

Excavation below the 360 foot contour is not permitted without authorization from SCE&G. All authorized excavations must be in accordance with SCE&G specifications and requirements which may include an environmental assessment plan or report.

2. Application Procedure

Applications for permits to excavate shall be submitted to SCE&G in writing and will include the following:

- a. A copy of applicant's deed and plat of property.
- b. Specific directions, by land, to applicant's property on Lake Murray.
- c. Drawing to scale of area to be excavated.

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- d. Required local, state and federal permits. Lake Management Department of SCE&G will assist in preparation of required local, state and federal permits.
- e. An application for an excavation not exceeding 150 cubic yards can be processed by SCE&G personnel. Any commercial excavation or individual individual excavation exceeding 150 cubic yards must be processed through the U. S. Army Corps of Engineers and State agencies.
- f. Permitting fee required.

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3. Excavation Specifications

- a. All excavating must be done directly in front of the permittee's lot.
- b. No excavation will be permitted when the excavation site is covered with water.
- c. All displaced soil must be moved above the 360 foot contour and must be stabilized and top seeded to prevent erosion.
- d. A 4 to 1 slope is the maximum slope allowed without rip rap. A 2 to 1 slope is permitted if rip-rap is installed.
- e. Excavations of wooded or vegetated areas located below the 360 foot contour is prohibited.
- f. No excavation will be permitted to alter the existing 360 contour.
- g. Excavation activities will be allowed only between October 1st of the current year and January 15th of the next year. Permits expire January 15 following the date of issuance

IX. LAND USE

1. Encroachments

Earth fills and non-permitted structures below the 360 foot contour are prohibited. Any that occurred prior to January 1, 1974, will be handled on a case by case basis.

2. Fringeland insert diagram!!!!

Fringeland is that strip of land owned by SCE&G located between the 360 foot contour and the FERC Project Boundary Line. Fringeland is real estate

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and as such falls under the responsibility of the Land Department. The use of all fringeland is categorized under a Land Use Classification Plan. Fringeland under the Development Category is generally available for purchase by the adjoining back property owner subject to Land Department and FERC review and regulation. However, as landowner, the Company retains the discretion to determine the availability of parcels for sale on an individual basis. Residential landowners, who have property behind SCE&G fringeland will have the right of access by foot to and from the lake. However, they will not be allowed to encroach with improvements, cut any trees or shrubs, place any water-oriented encroachments (dock or ramp) or otherwise alter the fringeland without written consent from the Lake Management Department. Appropriate action will be initiated to address such unauthorized violations. Upon the sale of fringeland to an individual, SCE&G generally retains title to a 75 foot buffer zone adjacent to the 360 foot contour.

Any unauthorized clearing of the trees or underbrush in the 75 foot buffer zone will result in the immediate cancellation of the individual's dock permit as well as possible legal action to require the revegetation of the affected area. Removal of merchantable timber will require reimbursement to South Carolina Electric & Gas Company subject to valuation of the Land Department.

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X. WATER REMOVAL FROM THE LAKE [Move this section to after Moorings]

1. Application for a Permit [Commercial and residential requests for water withdrawals should contact SCE&G for permit applications and additional information. Water removal permits for residential property will be for irrigation purposes only.]

[note – verify this information is in the SMP] Applications for a commercial permit to remove water may be submitted to SCE&G. SCE&G will deny the application if it appears to conflict with the public interest. If not, it will be forwarded to FERC for approval if required. SCE&G will not endorse such applications. SCE&G will impose limits in granting permits for approved applications. The applicant will be required to compensate SCE&G for water withdrawn and to bear expenses of filing the application.

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Deleted: Water removal for residential property must be for irrigation purposes only.

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Lake and Land Management Technical Working Committee**

2. Application Procedure

A commercial application to withdraw water from the lake must include a complete description of the purpose for the removal and processes to be used, the volumes to be withdrawn and ultimately to be returned to the project waters, and copies of all required local, state, and federal permits and reports. A fee will be required.

XI. EFFLUENT DISCHARGES [for SMP only – make sure this information is in the SMP.]

[We should include a statement in this document as follows: Lake Murray is classified as a no sewage discharge lake.]

1. Policy

SCE&G personnel will continue to notify appropriate governmental officials of any unauthorized effluent discharges which are discovered. Anyone found to have an unauthorized discharge source within the project boundary line will be required to remove it.

2. Installation of Sewage Pumping Stations at Marinas

Commercial marinas must have facilities to remove effluent wastes from boats pursuant to South Carolina Department of Health and Environmental Control regulations.

XII. GOVERNMENTAL CONSENTS [make sure the first two paragraphs are included in the SMP and remove from this document.]

The South Carolina Department of Natural Resources has jurisdiction over navigation, wildlife, fisheries on Lake Murray. Applications for construction of new docks, boat ramps, excavations, filling and other encroachments may require evidence of consent from this agency.

The S. C. Department of Health and Environmental Control and the U. S. Environmental Protection Agency have jurisdiction over effluent discharges and activities affecting water quality in Lake Murray. Permits and certificates from these agencies may also be required.

Leave this statement in this document: [Permits or consents from local governments with jurisdiction over zoning or other land use laws may be required.]

XIII. GENERAL [include PFD, boating, other safety issues and/or websites to address these issues in more detail.]

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Aquatic ~~Plants~~ [Dick Christie to develop a write-up for this section.]

Deleted: Weeds

The management of the Aquatic Weed Program on Lake Murray is a cooperative agreement between the South Carolina Department of Natural Resources and South Carolina Electric & Gas Company's Lake Management Department. Lake visitors are requested to help prevent the spread of aquatic weeds by clearing off boats and trailers before launching into the waters of Lake Murray.

It is against both State and Federal regulations for individuals to spray or treat aquatic growth in the waters of Lake Murray without the necessary permits. Report all unauthorized spraying or aquatic weed problems to South Carolina Electric & Gas Company's Lake Management Department.

Notice to Boaters (Overhead Powerlines
Crossing Project Waters)

Overhead powerlines cross the waters of Lake Murray. Boaters should be aware of powerlines and approach with caution.

Deeds, permits or other instruments affecting Project 516 lands and waters will contain all standard covenants customarily imposed upon project property and such other covenants as in the sole discretion of SCE&G may be desirable or appropriate. The instrument may contain indemnity clauses and insurance provisions.

Inspection fees do not constitute a charge for admission to Project lands,.

SCE&G retains the right to vary the amount of inspection fees.

No vested right or rights enforceable by third parties are created by SCE&G's Policies or Procedures.

All statements in this booklet are qualified by reference to SCE&G's Policy Memorandum and Procedure Memorandum governing Lake Murray, both of which are subject to change at any time. Regulations, Orders and Directives of the Federal Energy Regulatory Commission will take precedence.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Maps of Lake Murray showing public and commercial landings, parks, shoal markings and other information are available free of charge from the South Carolina Electric & Gas Company.

Inquiries concerning policies, procedures, applications or regulations as outlined in this booklet should be directed to South Carolina Electric & Gas Company (096), Lake Murray Management Department, Columbia, South Carolina 29218. Telephone (803) 748-3015.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**



**South Carolina Electric & Gas Company
Lake Murray Management Department
Mail Code 096
Columbia, South Carolina 29218**

**Published 1-75
Revised 5-80
Revised 5-84
Revised 6-88**

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

**Revised 2-90
Revised 8-95**

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Kacie Jensen

From: Alison Guth
Sent: Wednesday, July 05, 2006 2:00 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Subject: Agenda and RSVP Request

Hello All,

Attached is the meeting agenda for next Wednesday's (7-12) Lake and Land Management TWC meeting. Please let me know if you plan on attending, if you have not yet done so. This makes ordering lunches much easier for me :). Thanks, Alison



Lake and Land
anagement TWC A..

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

**Saluda Hydro Relicensing
Lake and Land Management TWC**

Meeting Agenda

July 12, 2006

9:30 AM

Lake Murray Training Center

- **9:30 to 10:30** Continued Review of General Requirements Document from Previous Discussion on Private Docks
 - **10:30 to 10:35** Break
 - **10:35 to 11:45** Review of Items in the Shoreline Management Plan Booklet
 - **11:45 to 12:15** Lunch
 - **12:15 to 2:30** Continued Review of Items in the Shoreline Management Plan Booklet
 - **2:30 to 2:45** Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn



Kacie Jensen

From: Alison Guth
Sent: Wednesday, July 05, 2006 11:58 AM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: Final Meeting Notes

Hello All,

Attached are the final meeting notes from the 5-26 and 6-15 TWC meetings. Thanks, Alison



2006-5-26 final
Meeting Minute...



2006-6-15 final
Meeting Minute...

Alison Guth
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Final ACG 7-5-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Roy Parker, LMA

Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Amanda Hill, USFWS
Dick Christie, SCDNR

DATE: May 26, 2006

HOMEWORK ITEMS:

- Develop Erosion Evaluation Form – Tommy Boozer and David Hancock

**DATE OF NEXT MEETING: June 15, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and welcomed the group. He noted that the first item would be to discuss the edits to the bank stabilization criteria. David Hancock and Tommy Boozer explained that they would like that a permit be obtained from the Corps for any riprapping projects exceeding 1000 feet in length. There was some discussion on this issue. Ron Ahle made the suggestion that the homeowner be required to obtain a permit for riprapping exceeding 500 feet or have the option of bioengineering the bank for any lengths above 500 feet in lieu of obtaining the permit. Ahle also noted that it was an opportunity to encourage people to employ bioengineering techniques. Stuart asked, in the past few years, how many applications exceeding 500 feet are typically received by SCE&G. Tommy Boozer replied that there had only been a few. After continued discussion on this issue, the group decided to proceed with Ron Ahle's presentation on bioengineering before a decision was made.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Training Center
May 26, 2006*

Final ACG 7-5-06

Ahle began the presentation and noted that the purpose was to provide education on the various bioengineering techniques that are available. He noted that a goal would be to provide stabilization along with a vegetated shoreline and wildlife habitat. He explained that it was important to educate the public that there are other ways to stabilize the shoreline naturally. He noted that an education program could also inform people on where bioengineering supplies would be available and who was able to do the work.

After Ahle presented a few examples of bank erosion, Roy Parker noted that he had observed, on Bomb Island, that although there is vegetation and trees it continues to severely erode. Ahle noted that he would address this later in his presentation.

Ahle began his presentation with a discussion on live stakings and noted that they were the most appropriate for areas in the backs of coves. He explained that one important thing with live staking is that the downside of the staking has a sharp point and is at or below normal pool elevation. Ahle pointed out that the easiest and cheapest method for live staking is to use live cuttings. He also noted in his presentation that the homeowner could have the work done costing in the ranges of \$1.50 to \$3.50 a stake. Ahle explained that this method was applicable for escarpments that are less than 1 foot. Steve Bell asked if an individual has an escarpment that is less than one foot, would it be best to cut it out or fill it in. Ahle replied that it should probably be sloped back.

The next method of bioengineering that Ahle discussed was the installation of a Bio-log, with vegetation planted behind and around. Ahle noted that this method would not prevent the homeowner from being able to see the lake. Ahle explained that less desirable species would need to be weeded out when they began to come in. Ahle also explained that the plants used would be perennials. Dick Christie asked Ahle if the lake went down for a few years if some of the vegetation was drought hardy. Van Hoffman replied that it may have to be watered and Ahle also noted that he believed that you would still be able to maintain a good protected bank with vegetation during a drought.

There was some discussion on the bioengineering method of Contour Wattleing. Hancock expressed concern because many times in performing this bioengineering method the trees have to be taken out 40 to 50 feet back. Boozer also noted that he was concerned that if the bioengineering was made too difficult, many people are not going to want to do it. Ahle explained that Contour Wattleing was probably not the most recommended method for bioengineering.

Parker pointed out that there are some individuals who like the look of riprap. Ahle noted that if people become used to seeing the natural shoreline they many begin to like that better. Rhett Bickley noted that the increased vegetation would also benefit water quality that may be an

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Final ACG 7-5-06

incentive to some. Ahle explained that he believed that one important key is that options are available to allow the homeowner to choose what is best for them.

Ahle went on to explain a few more options for bioengineering. Ahle discussed live facine but noted that it was probably not the best solution for the private property owner. He noted that brush layering was another option for steeper slopes. He explained that with this method notches are cut into the slope at angles. Ahle began to describe Brush Mattresses that are secured with wire lacing and grow thick. Ahle noted that one of the drawbacks of this method is that it tends to be very expensive.

Ahle noted that vegetated rip rap is another option for bioengineering. He explained that some plants that might grow well among riprap are swamp mallow and hibiscus. Ahle pointed out that vegetated rip-rap may be a transition if an individual is insistent on riprap.

The group went on to discuss what could be done on severely eroded banks. Ahle explained that the bioengineering technique for this circumstance is a vegetated gabion wall which uses rock baskets with plantings. He noted that a similar vegetated gabion mattress is used for a less steep slope. Hancock pointed out that one drawback to a gabion was that the Lake may eventually break it up. Ahle also explained a vegetated crib wall to the group. He concluded his presentation by explaining what is called A-Jacks, interlocking structures that allow plants to grow in between.

Amanda Hill noted that on different slopes that different methodologies worked better. She noted that it would be helpful to show the slope calculations along with the best associated bank stabilization techniques. Ahle noted that one helpful thing that SCE&G could do to promote bioengineering was to buy Bio-logs wholesale and provide them wholesale to homeowners.

The group began to discuss the options for bioengineering and Boozer explained to the group that typically, individuals who buy a piece of property cannot do everything at one time financially. He continued to note that they typically do it in phases, get the boat dock first, then look into stabilization at a later date. Hill added that when the individuals do come to SCE&G for a boat dock, that is when SCE&G should give them a consultation on options available for the future, in terms of stabilization and such. Stuart suggested having a pamphlet on bank stabilization available in those circumstances. Boozer also suggested using areas in the public parks to give examples of bioengineering. Ahle and Hill agreed that that would be a good idea. Ahle added that the cabins in front of Dreher Island would be a good place to set up one of the examples.

The group then began to discuss the topic of receiving a Corps permit for 1000 ft of rip-rap or the suggested 500 feet of rip rap. Boozer suggested that if the riprap request was over 500 feet then it should be reviewed by the USFWS and SCDNR. Ahle and Hill agreed. Boozer also noted that they

MEETING NOTES

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would take the first shot at the development of an Erosion Evaluation Form that would be included in the SCE&G application packet. Hill noted that instead of having a box in the application form that asks if the homeowner is interested in riprap, to have a box that asks if the homeowner is interested in bank stabilization, under which the different forms of stabilization could be listed, including bioengineering.

After lunch the group began their discussion on limbing and Hancock gave a presentation to the group that he had prepared on this topic. In his presentation, Hancock proposed that trees may be limbed if they have a minimum DBH of 6" and a minimum height of 20'. He noted in his proposal that an individual can only limb up to 8' in height. Hancock further noted that they would not allow the limbing of willow trees, only pine, oak, sweet gum, and maple. Christie noted that without the proper knowledge and tools, DBH may be difficult for the average person to decipher. Christie went on to suggest that circumference be listed as well, in parenthesis. The group agreed to the limbing proposal and concluded the meeting. It was noted that at the next meeting the group would discuss excavations and Hancock passed out the excavation packet for review prior to the meeting. The next meeting date was set for June 15th at 9:30 at the Lake Murray Training Center.

Shoreline Stabilization Memo edits attached below:

**SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office**

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06
Subject: Straw-man for Shoreline Stabilization Criteria

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Criteria for Shoreline Stabilization Permits [Provide good diagrams]

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All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

Develop slope criteria matrix similar to what Ron provided at May 26 TWC.

MEETING NOTES

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Provide a description or definition of bioengineering

Include an erosion evaluation form in the application package (SCE&G will develop this)

1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP (including maintaining structures in good repair). This responsibility transfers automatically along with ownership.

5) All shoreline stabilization activities must comply with all local, state, and federal regulations, if applicable. Prior to beginning any activity/construction within the high water mark (360-foot elevation), the applicant must obtain all necessary governmental permits or approvals, and written authorization from SCE&G Lake Management, especially for any stabilization activities associated with native aquatic plants. Stop sentence here such as water willow beds.

6) Consultation with SCDNR and USFWS will be required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

7) In order to protect aquatic resources shoreline stabilization activities shall typically be performed when water elevation is below work area. When water elevation is above the work area,

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MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
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critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, shoreline vegetation and other natural resources.

8) Riprap material must be SCDOT Class B or larger quarry-run stone, natural stone, or other material approved by SCE&G. Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.

9) Minimal clearing below the high water mark (360-foot elevation) is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.

10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. Any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the high water mark (360-foot elevation) in vegetated areas must be limited to one layer deep to allow spaces between the stone for vegetation recruitment.

11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques are always the preferred method for shoreline stabilization. However, approved bioengineering techniques are generally required for eroded banks of two feet or less of erosional scarp. Approved bioengineering and/or vegetated riprap techniques are preferred for eroded banks exceeding two feet of erosional scarp. (Figure for examples of acceptable bioengineering and vegetated rip-rap techniques).

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation), except where the entire placement is on above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

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MEETING NOTES

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14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth. bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

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15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

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- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.
- Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.
- Cancellation of all current shoreline permits and loss of consideration for future shoreline permits

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REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
June 15, 2006**

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Steve Bell, LW

Bill Argentieri, SCE&G
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Randy Mahan – SCANA Services
Bill Mathias – LMA and LMPS
Tom Eppink – SCANA Services

DATE: June 15, 2006

HOMEWORK ITEMS:

- Ron Ahle – to send Tommy Boozer and David Hancock Bank Erodability Index

**DATE OF NEXT MEETING: July 12, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and noted that the group was working toward wrapping up the bank stabilization criteria. He explained that Tommy Boozer had an example to show the group on a checklist for bank stabilization. This was a homework item assigned to Boozer and David Hancock at a previous meeting. Boozer noted that the example handed out was developed for another lake, however, they would take the format and apply it to Lake Murray.

The group reviewed the example document. Ron Ahle made the suggestion of including a bank erodability index. He further explained that there is a formula that looks at the measurements of the bank itself and calculates the erodability index. Ahle noted that he would research the index and bring the information back to the group. Boozer asked that Ahle send it to them so that they could begin to review it. He also noted that in most cases the erodability index was something that the contractor would determine.

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

The group moved to discussions on excavations and reviewed the current criteria. Hancock explained that currently the maximum amount they allow to be excavated is 150 cubic yards. He further explained that typically the average excavation increases depth 2 to 4 feet around the dock. Hancock noted that they typically try to get the docks to the 352' to 351' elevation. Ahle suggested using the LIDAR information to assist contractors in determining elevations.

The group decided that it would proceed by developing a list of Benefits and Impacts of excavations. The group developed the list below

Benefits:

- Improved Access
- Boating, Swimming, Fishing
- Happy Individuals
- Removes Loose Sediment
- \$\$\$ to homeowner
- Small scale

Impacts:

- Undeveloped area disturbance
- Disturbed fish spawning habitat
- Bank stabilization issues, vegetation impacts
- Alters cove water patterns
- Littoral zone alterations
- Boat traffic

Stuart asked the group if there was a safety component to be considered under the Benefits or the Impacts. There were different opinions expressed on whether excavations provided an increase in safety or had an impact to safety. The group continued to discuss the Benefits vs. the Impacts to excavations and Hancock pointed out that there was an issue of sand build up in the Lexington side of the Lake, and if excavations were not allowed, those areas would fill in.

Dick Christie noted, that from an ecological perspective, during excavations you are, in effect, taking a highly productive littoral zone and changing it to a less productive classification. Christie continued to explain that the littoral zone was important in that it is where spawning occurs, where reptiles and amphibians spend much of their time, where wading birds feed.

Once the group had concluded discussions on the Benefits and Impacts of excavations, the group then again began to review the current criteria. It was decided that excavations would take place below the 354' elevation unless otherwise approved by SCE&G in consultation with SCDNR. Boozer asked the group what would happen if an individual applied for a Corps permit that was above the 354' elevation in a site that is not appropriate for excavation above the 354', and should SCE&G object to it. Ahle noted that as well as SCE&G objecting to it, SCDNR would also object to it as it is not consistent with SCE&G's Shoreline Management Plan (SMP). Steve Bell asked what conditions are considered for allowing excavations to occur above the 354'. Ahle replied that the key is if there are significant ecological resources at the location. Hancock noted that currently

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

if they have a site that is questionable that they do call SCDNR, and that they are not going to approve an excavation that the DNR does not approve. Ahle noted that, at the same time, they recognize that individuals need to have access to the Lake and that they will try to work with homeowners to the extent possible.

The group continued the interactive discussion and made changes to the document accordingly (Lake Murray Excavation document with changes attached below). After concluding discussion on this topic, Hancock reviewed the Shoreline Activities application with the group. The group did not pose any changes to the application and the group moved on to discuss Private Docks.

Boozer began this discussion by giving a presentation and a brief history of the SMP as it relates to private docks to the group. It was noted that since 1978 there has been an increase of about 5000 structures on the Lake, from the recorded 4,000 in the 1978 inventory. Boozer further noted that everything that was inventoried prior to the implementation of the SMP was grandfathered in, and that they have been working over the years with the homeowners to get those structures into compliance.

Boozer explained a little about the dock permitting process to the group and that SCE&G does have a standard dock that is allowed. As Boozer proceeded through the presentation the group reviewed the application together. In discussions on the vegetation agreement, it was noted that some changes will be made to include the new items decided upon in the group. It was noted that the group would review this document with the incorporated changes at the next meeting.

The group reviewed the dock diagram, and Boozer explained that the largest floating platform that SCE&G will permit is a 12' by 20'. Boozer further pointed out that they also only allow one boat lift per dock due to the large areas that boat lifts impact. He noted that SCE&G receives quite a few requests for jet ski lifts, and explained that he would like for this group to make a decision on how this should be handled in the future. Upon reviewing the slip type docks, Boozer noted that an individual had to have a minimum of 200 feet of shoreline to be eligible for this type of dock. He also noted that generally with this type of dock layout they require the boat lifts to be inside the slip.

Boozer concluded his presentation and noted that the next agenda item would be to review the General Requirements. Stuart asked the group if there were any issues with the dock permitting program as it currently exists. Bell replied that he would like to have more time to review the document with the other stakeholders that he represents. Boozer noted that as far as SCE&G is concerned, they feel comfortable with what is defined in the General Permit, however, they are open to discussion.

The group decided that they would briefly review the General Requirements, however they would leave the bulk of the discussion for the next meeting. A few concerns were brought up. Ahle noted he would like to see a deadline, such as 5 years, for dock applications for those lots who are eligible for a dock but have not yet applied for one. Hancock replied that there were not that many lots that have been guaranteed a dock and have not yet applied for it. He further noted that he did not see any benefit to placing a deadline in this instance because it would most likely promote a rush for permits that otherwise may not be applied for. Ahle replied that if there were not a large amount of

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areas that have been guaranteed a dock then it was probably not a large concern, if it was a large amount, however, it may raise more concerns.

The group shortly discussed the situation involving individuals that own land behind areas classified as Forest and Game Management. Ahle noted that this was an important issue to consider with their discussions on reclassification. In discussions on common docks, Boozer suggested that the group change the ownership rules that an individual has to have 75 feet of shoreline and only 2 people are allowed to share a common dock, instead of 4. The group agreed to these changes

The group decided that at the next meeting they would continue these discussions on the General Requirements, as well as review a few items in the shoreline management plan booklet. The next meeting date was scheduled for July 12th.

Document revisions and Agenda attached below:

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

LAKE MURRAY EXCAVATIONS

At the time you applied for permission to excavate in front of your property at Lake Murray, you were advised of the Company's Shoreline Management Guidelines, and were requested to supply additional information required by the policy. If you are given approval by our Lake Management representative, it is imperative that the terms of the permit be adhered to, including the following requirements:

1. A non-refundable permitting fee of \$200.00 is required for the excavation permit, plus a \$500.00 deposit. The deposit is refundable upon request after final inspection and approval of the condition of the excavated shoreline.
2. A complete, detailed drawing (to scale) of the proposed excavation area must be provided. This must include contours, cross sections, width, length and depth, and the exact volume of earth in cubic yards to be removed. Also, the drawing must include and identify the location where the excavation dirt will be placed upon removal from site. If the dirt is to be totally removed from the shoreline area, this must be so stated. **The maximum volume of earth to be removed is 150 cubic yards.**
3. A recordable plat of the applicant's and adjacent property owners' property that will be affected by proposed excavation must be furnished.
4. Lake Management Department must be notified prior to commencement of work.
5. All displaced soil must be taken off site or otherwise stabilized above the 360 foot contour in accordance with SCE&G requirements if in Richland, Saluda and Newberry Counties, and in accordance with recommendations of the Lexington County Sediment Control Representative if in Lexington County.
6. A 4 to 1 slope is the maximum slope allowed.
7. All excavating must be done directly in front of the applicant's property and below the 354' contour, unless otherwise approved by SCE&G in consultation with SCDNR.
8. No excavation will be permitted in a wooded or vegetated area or other areas that may be identified by SCE&G in consultation with SCDNR. The protection of shallow water habitat must be considered at all times. A Lake Management representative will designate area to be excavated.
9. Excavation activities generally will not be allowed between **January 15 and October 1**. Exceptions may be granted by SCE&G based on hydrological or meteorological conditions. Permits are valid for one (1) year from the date of issue only. See date on approved permit.
10. Water must not cover the excavation site during excavation activities.
11. The contractor must have a copy of the approved permit and drawing while on the job site at all times.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

12. All excavation must be completed by using the following equipment: (1) dragline; (2) track backhoe; or other equipment approved by Lake Management personnel.
13. Lake Management Department must be notified upon completion of work.

Failure to comply with any of the above requirements will result in automatic suspension of the excavation permit, forfeit of the \$500.00 deposit, and may result in the cancellation of any shoreline permits.

Applicant acknowledges and accepts the above listed requirements, and further certifies that he/she possesses the authority to undertake the proposed activities. Applicant further certifies that he/she shall indemnify and hold harmless SCE&G from all liability however arising to any and all persons whomsoever, whether for personal injuries (including death) or otherwise, by reason of the construction upon lands and interests of SCE&G, and from any damage or injury resulting to any persons whomsoever from defects in or defective conditions of said construction.

South Carolina Electric & Gas Company

Applicant

Project Representative

Street

Date

City, State, Zip Code

Revised 7/23/03

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5. A recordable plat of the applicant's and adjacent property owners' property that will be affected by proposed excavation must be furnished.¶
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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

GENERAL REQUIREMENTS

Permits to construct, repair, modify, or replace boat docks, ramps, marine railways, boat lifts, water removal, limited brushing, rip-rap, and retaining walls must be obtained from SCE&G's Lake Management Department prior to the beginning of construction.

Dock construction shall not endanger health, create a nuisance, or otherwise be incompatible with overall Project recreation use.

A minimum lot width of 100 feet along the 360 contour is required before an individual residential dock application will be considered.

Lots measuring less than 100 feet in width in subdivisions established prior to 1989 where the adjacent lots have existing docks may be considered for limited size docks.

No watercraft exceeding 30 feet in length will be permitted to be permanently docked at a residential or common area dock.

Application Procedure for New Construction, Additions, or Replacements

The applicant will be required to apply to SCE&G in writing and submit the following:

1. Sketch showing location, design, and dimensions of the proposed structure.
2. Permitting fee
3. Specific direction by land to applicant's property on Lake Murray
4. Plat of applicant's property

All docks must be kept in good repair.

Private docks, whether permanent or floating may generally be up to 750 sq. feet in overall size and 75 feet in length provided they do not interfere with navigation or restrict access to adjoining property.

Floating docks attached to permanent docks may be moved out as the Lake level recedes provided they do not interfere with adjacent property owner's access.

Docks may be longer where conformity with existing structures would be practical and in cases where exception would be desirable due to curvature or slope of the shoreline.

All permitted docks must be built horizontally between the elevation of 360 and 362 foot contour.

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Docks must be located a minimum of 15 feet from adjacent property lines and the projected extension should not cross over the imaginary projected lot lines.

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

The projection of the imaginary property line is a management tool to assist Lake Management Representatives and may be waived under certain circumstances.

Covers on docks are not permissible unless the covered portion is located within 15 feet of the 360 contour.

Hand railing is permissible provided the sides are not enclosed.

No sinks, toilets, showers, or fueling systems are permitted.

Flotation for floating docks must be encased or encapsulated flotation.

Docks must be single story structures.

Boatlifts connected to docks are allowable.

Common docks ~~shall follow all of the guidelines described for private~~ docks. ~~Common docks may be permitted for two residential lots. Each property owner participating in a common~~ dock must have a minimum of ~~75~~ feet along the 360 contour.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Purpose:

To Develop Draft Criteria on Excavations for Inclusion in the Shoreline Management Plan. To Discuss and Review Criteria for Residential Dock Permits

Logistics:

Where: Lake Murray Training Center

When: June 15, 2006

Time: 9:30 AM to 3:00 PM

Meeting Agenda:

- **9:30 to 10:30** Begin Discussions on Criteria For Excavations
 - **10:30 to 10:40** **Break**
 - **10:40 to 11:30** Continued Discussion on Excavations and the Development of Draft Criteria to be Presented to the RCG
 - **11:30 to 12:00** **Lunch**
 - **12:00 to 12:30** Presentation on Docks – *Tommy Boozer and David Hancock*
 - **12:30 to 2:45** Development of Draft Criteria on Residential Dock Permits to be Presented to the RCG
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Meeting
 Next
- Adjourn

No excavation activities will be allowed between **January 15 and October**

1. Permits are valid for one (1) year from the date of issue only. See date on approved permit.

Lake Management Department must be notified upon completion of work.

13. Displaced soil must be stabilized in accordance with SCE&G requirements if in Richland, Saluda and Newberry Counties, and in accordance with recommendations of the Lexington County Sediment Control Representative if in Lexington County. The work performed must not endanger health, create a nuisance or otherwise be incompatible with the overall project recreational use.

Failure to comply with any of the above requirements will result in automatic suspension of the excavation permit and forfeit of the \$500.00 deposit.

Kacie Jensen

From: Alison Guth
Sent: Tuesday, August 01, 2006 4:31 PM
To: Alison Guth; 'jsfrick@mindspring.com'; 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; BARGENTIERI@scana.com; 'David Hancock'; 'Dick Christie'; 'Joy Downs'; RMAHAN@scana.com; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Steve Bell'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'
Cc: 'Andy Miller'; 'Bertina Floyd'; 'Bill Cutler'; 'Bill East'; 'Bill Marshall'; 'Bill Mathias'; 'btrump@scana.com'; 'Charlie Compton'; 'Charlie Rentz'; 'Chris Page'; 'Daniel Tufford'; 'David Allen'; 'Don Tyler'; 'George Duke'; 'Gerrit Jobsis (American Rivers)'; 'Hank McKellar'; 'Irvin Pitts (ipitts@scprt.com)'; 'Jennifer O'Rourke'; 'John Oswald'; 'Kim Westbury'; 'Kit Oswald'; 'Larry Turner (turnerle@dhec.sc.gov)'; 'Laura Boos (laura.mccary@gmail.com)'; 'Linda Lester'; 'Mark Leao'; 'Mary Kelly'; 'Michael Murrell'; 'Mike Duffy'; 'Mike Summer (msummer@scana.com)'; 'Mike Waddell'; 'Parkin Hunter'; 'Patricia Wendling'; 'Patrick Moore'; 'Ralph Crafton'; 'Randal Shealy'; 'Richard Kidder'; 'Robert Keener (SKEENER@sc.rr.com)'; 'ryanity@scana.com'; 'Suzanne Rhodes'; 'Theresa Powers (tpowers@newberrycounty.net)'; 'Tom Brooks'
Subject: RE: July 12 Lake and Land Meeting Notes

Hello TWC,

There has been a couple changes to the meeting notes from 7-12. Please note these changes in the attached draft. All changes will become final by August 8th. Thanks, Alison



2006-7-12 draft
Meeting Minute...

-----Original Message-----

From: Alison Guth
Sent: Tuesday, July 25, 2006 4:44 PM
To: 'jsfrick@mindspring.com'; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald; Kim Westbury; Kit Oswald; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: July 12 Lake and Land Meeting Notes

Hello all,

Attached are the meeting notes from the July 12 Lake and Land Management TWC Meeting. Please have any comments or changes to me by August 8. Thanks, Alison

<< File: 2006-7-12 draft Meeting Minutes - LLM TWC.doc >>

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
July 12, 2006**

Draft ACG 7-24-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Steve Bell, LW

Bill Argentieri, SCE&G
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Randy Mahan – SCANA Services
Tom Eppink – SCANA Services
John Frick, Landowner
Tony Bebbler, SCPRT
Roy Parker, LMA

DATE: July 12, 2006

HOMEWORK ITEMS:

- SCE&G to work on list of activities that are not allowed
- SCE&G to estimate the maximum number of docks possible on the lake at the request of Lake Watch.
- Dick Christie to develop section on Aquatic Plants for SMP booklet and email to SCE&G
- Group to consider incentives to landowners for multi-slip docks and habitat improvements for boat ramps.

DATE OF NEXT MEETING: August 24, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that the group would begin by reviewing the Shoreline Management Program Booklet. Although this was not the first item on the agenda it was noted that discussion on the first item would require the presence of another individual that had not yet shown up.

The group began to discuss the booklet item by item. The group noted that the goal was to make the booklet deal solely with permitting. As the group discussed the items in the booklet, changes were made directly to the document projected on the screen (document attached). During discussions on the section in the booklet pertaining to undeveloped areas, it was noted that that

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

particular section would need to be addressed in more detail during TWC discussion on land reclassification.

It was noted that discussion on fisheries management would not be included in the smaller booklet, but in the more detailed SMP. In place of extended discussion on this topic in the booklet, the group noted that DNR's website would be listed as a reference for information on fisheries management. The group also noted that the phone number for Marine Enforcement should be included under the section entitled Boating Safety. There was continued discussion on the purpose and function of the booklet and it was noted that another separate booklet would be put together for Recreation, while this booklet strictly contained the do's and don'ts in the Shoreline Management Program.

The group briefly discussed the Environmentally Sensitive Areas (ESA)s. John Frick asked if the ESA classifications would shift over time due to die-offs. Ron Ahle replied that although the button bushes may die from time to time in an area, the habitat that is suitable for growth will remain, and they will come back over time. Ron also noted that periodic updates to ESA's may be beneficial to protect areas that were not originally identified.

Dick Christie made a few suggestions to the SMP booklet for the group to consider. He noted that it may be beneficial to list Shoreline Classifications at the beginning of the booklet. He explained that this section could include discussion on what activities are allowed in areas such as Forest and Game Management, what acreage is included in those lands, etc. Tommy Boozer also added that discussion on what activities can be performed in the Buffer Zone should be included as well.

The group continued to progress through the booklet and noted that there would be a brief reference to SCE&G Park facilities; although the points on Criteria for Establishing New Facilities would be taken out, while the other items could be placed in the recreation booklet.

As the group began discussion on dock policies, Ron suggested that the group come up with some proposals for incentive programs. The group noted that incentive programs would be discussed at a later date and the group was tasked to consider incentives in the meantime, as well as review incentive programs at other projects.

The group briefly discussed boat ramps and Tommy explained this issue to the group. Tommy noted that they do not permit a boat ramp to an individual that has access to a community boat ramp. He explained that the only instances in which SCE&G does permit a boat ramp are when the individual owns down to the 360, is not associated with a common access area and they have no vegetation to consider. Ron suggested that the group consider not allowing private residential boat ramps. Alan noted that a ramp may be used as an incentive to have the homeowner plant button bushes on his property. The group agreed that this may be an area for incentives.

Discussion arose regarding boat lifts and Tommy explained that they only allow one boatlift per dock. Tommy continued to note that he would like the groups' input on the issue of jet ski lifts. He pointed out that most of the jet ski or personal watercraft lifts are floating and have been considered temporary because they are fiberglass and are placed on the backside of docks. Tommy noted that it currently has not been an issue due to the fact that the footprint of the dock does not change.

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Tommy also explained that another issue that they have been confronted with is the homeowner wanting to purchase a jet dock in order to pull their boat up on. He explained that they are currently handling this situation by informing the individuals that they cannot have the jet dock unless it took the place of their current dock and was a maximum size of 20' x 12'. Dick made the suggestion of defining "jet dock" in the booklet. Tom Eppink noted that he believed it best that a permitting process be developed for jet ski lifts.

Tony Bebbler explained that in the Catawba relicensing issues with water toys, such as trampolines and air kites, arose. The group considered these issues and noted that water toys, such as trampolines, could not be left out for more than a day without being considered a mooring, adding to the total footprint of the area. The group also decided to review Catawba's policy on this. It was noted that the term "mooring" would also be defined in the booklet. Tommy Boozer also explained that there are no approved ski jumps or ski courses on the lake.

The group began to discuss earthfill encroachments. It was noted that these encroachments happened many years ago and most are 5 to 10 ft. Tommy explained that they sometimes have the encroachments removed, however in some cases it is more detrimental to remove an encroachment than to permit it. Tommy also explained that the license allows SCE&G to sell those encroachments to the property owner.

The next topic to discuss was fringelands, however the group noted that this topic would be discussed in more detail prior to a presentation on this issue by Van Hoffman. The group briefly discussed the section on water removal and noted that it would be revised and condensed.

As the group continued through the document, it was noted that many of the items would be discussed in detail in the SMP, rather than in the booklet. Dick noted that he would put together a section on aquatic plants for the booklet as a homework assignment.

The group concluded the discussion on the SMP booklet and briefly noted the homework items before moving on to discuss the General Requirements for Docks.

In discussions on the General Requirements for docks, Steve Bell requested an estimate on the maximum number of docks possible on Lake Murray. When asked why this number was useful, Steve noted that it has been requested for consideration in whether the footprint is too large. SCE&G noted that they could calculate the maximum docks on the lake, however the number would be completely theoretical. It was noted that more discussion on the General Requirements would occur after the number was distributed to Lake Watch.

John Frick suggested an alternative proposal of increasing the spacing between docks to 400 ft, with agreement from some attendees of the concept of greater spacing. Tommy noted that that would essentially be privatizing the lake because very few people could afford that much shoreline. Also, John F. suggested that landward access to game management lands should be a requirement, else the designation as game management might be misleading since only lakeside access would be possible for the public. The group came to consensus that issues regarding game management lands, land sales and fringe lands would be discussed in more detail at a future Lake and Land Management meeting. Specifically, when the group focuses land sales, reclassification and

Deleted: Tommy noted that that would essentially be privatizing the lake because very few people could afford that much shoreline.

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rebalancing discussions. Tony made the suggestion of encouraging people to go to shared docks. The group decided to discuss this issue in more detail during discussions on incentives.

Agenda for next meeting:

It was noted that at the next meeting there would be discussion on multi-slip docks and common access areas. Tommy would give a presentation on how multi-slip docks and common access areas are currently being permitted.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Lake Murray

Shoreline Management Program

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

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Lake Murray

Policies and Procedures

INTRODUCTION

Work of clearing the site for the Saluda River Hydroelectric Development was started in April of 1927 under a permit granted by the Federal Power Commission to the Lexington Water Power Company.

In July of 1930 Lake Murray reached an elevation of 300 feet. The following December, the first electric power, 10,000 kilowatts, was delivered. At the time of its completion, Saluda Dam was the largest earth dam in cubical content for power purposes in the world¹. The dam itself is 211 feet high and contains over 11 million cubic yards of material. Lake Murray is 41 miles long and 14 miles wide at its widest point and contains 763 billion gallons of water. It has a shoreline of approximately 650 miles including the islands.

Residents and visitors to Lake Murray are familiar with its fluctuating water levels. In the Saluda River watershed, about 75 percent of the normal rainfall comes in the first six months of the calendar year. The lake level can reach 360 feet; however the normal high lake level is usually reached in May at about 358 feet above mean sea level. When rainfall decreases during the summer months and the demand for power increases, the elevation begins to drop with a normal minimum of about 350 feet elevation coming in the fall of the year.

Lake Murray, over the years, has been, and still is, a major power generation source and provider of recreational and commercial resources for the residents and visitors of South Carolina.

In the late 1960's a rapid change in the character and rate of development of the lake began to take place.

As development increases, due primarily to Lake Murray's close proximity to the Columbia Metropolitan area, the very values that attract families and visitors in the first place could be destroyed unless the potential for environmental degradation is recognized by all parties concerned.

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South Carolina Electric & Gas Company, (SCE&G) as owner and Licensee of Federal Energy Regulatory Commission Project No. 516, realizes the need for formulation of rules and regulations to promote and enhance the recreational potential of Lake Murray and protect its environmental quality while continuing to use Lake Murray as a major part of SCE&G's power production capabilities. All lake management policies are consistent with the regulations and requirements of the Federal Energy Regulatory Commission (FERC) under whose authority SCE&G owns and operates Lake Murray for the generation of power.

SCE&G's Lake Management Department is responsible for enforcing FERC directives regarding unauthorized uses of Lake Murray waters and land below the 360 foot contour elevation.

FERC directives require SCE&G to prevent or halt unauthorized actions by taking measures to stop such actions.

SCE&G has implemented a Shoreline Management Permitting Program (described in this booklet) to permit, upgrade, and properly maintain structures and facilities below the 360 contour. These regulations and inspection programs serve to maintain an environment at Lake Murray which has something to offer to everyone.

[Add Sections for ESA and Land Use Classification and what people can do on these lands](#)

I. ENVIRONMENTAL POLICIES

1. General Policy and Purpose

a. The implementation by SCE&G of the Lake Murray Shoreline Management Program shall maintain and conserve the area's natural and man-made resources.

b. The purpose of the policy is to comply with the terms of the Project No. 516 License, the regulations and the orders of the FERC and to assist in providing a balance between recreation and environmental control.

2. Water Quality Standards

SCE&G will conduct a continuing water quality monitoring program to ensure that the waters of Lake Murray continue to be of an "A" classification suitable for swimming, fishing and other water-related recreational activities.

3. Undeveloped Areas

SCE&G owned undeveloped land around the lake is managed by the Land Department. These properties will be maintained through a sound forest management program to ensure the health of the forest. Timber will be managed in a multiple use manner in compliance with the S. C. Best Management Practices to maintain a balance of quality watershed

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conditions, recreational opportunities, wildlife habitat and promotion of new timber growth.

II. PUBLIC FISHING, BOATING AND HUNTING

1. Fisheries Management

The South Carolina Department of Natural Resources maintains an annual stocking program during the months of April, May and June. Fisheries Management of the lake in future years will consist of annual checks of the population by predator stocking (striped bass). Approximately 20,000 Rainbow Trout are stocked in the Saluda River below the dam annually. State fishing and safety regulations are enforced by the South Carolina Department of Natural Resources.

2. Boating Safety

The boating laws of South Carolina are enforced by the South Carolina Department of Natural Resources Department on Lake Murray

3. Public Hunting

Approximately 6,225 acres of watershed land within and adjacent to Project No. 516 are leased to the South Carolina Department of Natural Resources as a part of the statewide Game Management Program. This land is located adjacent to the western portions of Lake Murray and in many cases, adjacent to other privately held lands that are also in the management program. These public hunting areas are shown on Game Management Area Maps available through the South Carolina Department of Natural Resources.

III. PUBLIC LANDINGS [and Parksites](#)

[Recreation will be placed in a separate brochure or map.](#)

1. SCE&G Park Facilities

SCE&G presently maintains 12 parks on Lake Murray, for a total of 56 acres. Each park provides a variety of recreational opportunities available to the public. Recreational activities include boat launching, fishing and picnicking. At the recreational facilities located on the north and south ends of the Lake Murray Dam a parking fee is charged to provide security and traffic control in congested areas. (Park season is from April 1 through September 30).

In addition to the existing 12 developed public parks, there are 65 islands in Lake Murray consisting of 220 acres that are available for public recreation.

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2. ▾

**Deleted: Criteria for Establishing
New Company Facilities**

¶
Additional park sites have been set aside by SCE&G. When public demand justifies the need for additional parks, these sites will be developed in cooperation with state and county agencies or independently by SCE&G.

**Saluda Hydro Relicensing
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3. Saluda River Access

Update with Saluda Shoals Park and Metts Landing. Place in Recreation Brochure.

Deleted: 3.

Public boat ramps are provided on the north and south sides of the Saluda River approximately 1 mile below the dam where Hope Ferry Road once crossed the river. They can be reached from the south by Corley Mill Road and on the north by Bush River Road.

A canoe portage facility is located approximately seven miles below the Lake Murray Dam on the north side of the Saluda River off of Bush River Road.

4. Commercial Facilities

Place in Recreation Brochure

Public access to the lake is also provided at privately-owned facilities. Boat launching and other recreation activities are available.

5. S. C. Department of Parks, Recreation and Tourism

Place in Recreation Brochure

Dreher Island State Park provides boat ramps, camping, swimming, nature trails, sailing, and overlook areas. This 348 acre island is leased to PRT by SCE&G

Make new sections as follows:

List all permitted activities, list all activities and provide a description of the activities.

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IV. DOCKS

1. General

SCE&G requires that all docks, fixed, floating or combinations, be inspected by SCE&G agents to comply with Section IV, Paragraph 6, and that an inspection decal be prominently displayed on the approved dock.

2. Policy

SCE&G requires that anyone desiring to repair, replace, add to, or construct a dock must file an application before a permit will be issued prior to start of construction. Docks, whether fixed or floating must not interfere with surface water activities or navigation and must be compatible with scenic values in the vicinity. Use of common docks will be encouraged where practical.

3. General Requirements

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A minimum lot width of 100 feet along the 360 foot contour is required before an individual residential dock application will be considered.

Lots measuring less than 100 feet in width along the 360 contour requesting a dock, will be required to construct common docks with adjacent property owner(s). It is an applicant's responsibility to make arrangements with his neighbor(s) for common dock facilities. Common docks may accommodate up to five (5) individual lakefront property owners. A minimum distance of 100 feet is required between common docks and/or a common dock and an existing individual dock.

Lots measuring less than 100 feet in width in subdivisions established prior to 1989, where the adjacent lots have existing docks, may be considered for limited size docks.

If an existing lot having a permitted dock is subdivided, that dock permit will be canceled. A new permit will be issued only if the shoreline width requirement is met or if a common dock for all resulting lots is requested.

4. Watercraft Limitations

No watercraft exceeding 30 feet in length will be permitted to be permanently docked at a residential or common area dock.

Watercraft exceeding 30 feet must be docked at a multi-use docking facility

It is against both federal and state laws to discharge sewage from any description of watercraft into the waters of South Carolina.

5. Application Procedure for New Construction, Replacements, Additions or

The applicant will be required to apply to SCE&G in writing and submit the following:

- a. Sketch showing location, design and dimensions of the proposed structure.
- b. Permitting fee required.
- c. Specific directions by land to applicant's property on Lake Murray.
- d. Plat of applicant's property reflecting, among other things, county tax map information..

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6. Dock Specifications

- a. Private docks whether permanent, floating or a combination of both, may generally be up to 450 square feet in overall size (surface area) and 75 feet in length provided they do not interfere with navigation, ingress or egress to adjoining property or are in any manner hazardous. In some locations, such as narrow coves, the maximum size may not be permitted or docks may not be permitted at all. Floating docks attached to permanent docks may be moved out as the water level recedes, provided they do not interfere with adjacent property owner's access.
- b. A variance in the dimensions related to the length of docks may be granted in instances where conformity with existing structures would be practical and in cases where exceptions would be desirable due to curvature and/or slope of the shoreline. However, the effects on navigation and the aesthetic values of the surrounding area will control issuance of any variance.
- c. All permanent docks must be built horizontally between the elevation of 360 foot and 362 foot contour.
- d. Docks must be located a minimum of 15 feet from adjacent property lines and the projected length should not encroach across the imaginary projected lot lines. The projection of the imaginary property line is a management tool to assist Lake Management Representatives and may be waived under certain circumstances. Common docks, between adjacent property owners, are encouraged. The sideline limitation of 15 feet will be waived for existing or proposed common use docks. A copy of the written agreement between participating property owners will be furnished to SCE&G. An acceptable form of agreement is available upon request.
- e. Covers on docks are not permissible unless the covered portion is located within 15ft. of the 360 foot contour. Handrailings on docks are permissible, provided that the sides of docks are not enclosed so as to obscure cross-vision.
- f. Sinks, toilets, showers, etc., or any type of equipment or construction which will create or cause any liquid or solid waste to be discharged into the waters of the lake will not be permitted.
- g. Effective January 1, 1995, all new floating docks constructed on Lake Murray are required to use encased or encapsulated flotation. Exposed foam bead flotation billets, or metal drums will not be allowed. Foam bead flotation deteriorates, causing shoreline litter. It is subject to destruction by animals and becomes waterlogged.

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The New regulation applies only to new dock construction. Existing docks will be required to install encapsulated flotation when the old existing flotation needs to be replaced.

h. Houseboats used for habitation may not be permanently moored at private docks. Permanent mooring must be at marinas with sewer pump-out and treatment facilities.

7. Common Dock Policy

Common docks are docks which provide lake access for two to five family residential lots. Common docks are encouraged for all lake property as an alternative to individual docks and will be required on property with poor access and/or limited lake frontage, or in such other circumstances that SCE&G deems appropriate. Property owners are encouraged to adopt the common dock concept to reduce the number of docks on the shoreline and limit congestion in heavily developed areas.

SCE&G does not guarantee water access. Each lot is affected by the existing contours of the lake bottom and the operation of the Saluda Hydro Electric Project. It is the applicant's responsibility to review the shoreline area where the dock is to be located and to apply the restrictions outlined in Section IV-6 above to ensure the dock will meet the applicant's needs and satisfy SCE&G's shoreline management requirements.

8. Multi-slip Dock Policy [Make sure this multi-slip term is consistent between this document and the SMP.]

Deleted: Commercial

The development and expansion of new or existing commercial docks will be negotiated on a case by case basis. The necessary Federal State and Local approved permits must be obtained before final approval by South Carolina Electric and Gas and the Federal Energy Regulatory Commission.

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V. Boat Ramps, Marine Railways & Boat Lifts

1. Policy

Boat ramps, marine railways, or boat lifts cannot be constructed, replaced or added to without a permit from SCE&G. The use of boat ramps at public and semi-public facilities shall be encouraged in preference to construction of private ramps. Refer to Section IX - 2. concerning boatramps on fringeland. [\[add more detail of boat ramp details with incentives for improvements if they ramps are allowed, such as vegetation, slope, topography, etc.\]](#)

2. Application Procedure

Applications for permits to construct, add to, or replace boat ramps, marine railways, boat lifts shall be submitted to SCE&G in writing and must include the following:

- a. Sketch showing location and dimensions of the proposed ramp, boat lift and/or marine railway.
- b. Permitting fee required.
- c. Specific directions, by land, to applicant's property on Lake Murray.

3. Boat Ramp, Boat Lift, [Personal Watercraft Lifts](#) and/or Marine Railway Specifications

- a. Ramps will be constructed of concrete. Asphalt compounds or petroleum base products are prohibited.
- b. All ramps should be located as not to interfere with neighboring property owners. Adjoining property owners are encouraged to agree to common use of the ramp. A copy of the written agreement between participating property owners will be furnished to SCE&G.
- c. Ramps may generally be up to 15 feet wide and required length to be functional. Public and semi-public ramps may be granted a variance.
- d. Generally, marine railways to be constructed for access to the lake from facilities located above the 360 foot contour are permitted. Railways constructed below the 360 foot contour area restricted to two foot elevation above the natural lake basin.

e. Boat lifts should be located as not to interfere with the adjoining property owners' access. All boat lifts will be constructed at the owners' dock. No

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covers are to be constructed over boatlifts. [only one boat lift will be approved per dock.] [we need to address floating drive on docks under Dock Section of the SMP] [address jet ski drive on docks – we do not object to them at this time.]

f. Personal Watercraft lifts will require a permit from SCE&G [We need to address jet ski lifts]

g. Floating platforms or tubes (look at Duke SMP program for water toys)

VI. Moorings (develop a definition of anchorages at USACE)

Absent exceptional circumstances, mooring on the waters of Lake Murray is not allowed.

Ski jumps are not allowed. Ski courses are not allowed on a permanent basis

VII. Shoreline Stabilization

No sand shall be placed below the 360 foot contour. They shall take effective measures to keep sand from migrating below the 360 foot contour.

1. Policy

No rip-rapping, seawalls or retainer walls will be constructed, replaced, repaired or added to without a permit from SCE&G.

2. Application Procedure

Applicants for permits for erosion control shall be submitted to SCE&G in writing and must include the following:

- a. A copy of applicant's deed and plat to the property.
- b. Area on plat where located and type of erosion control proposed.
- c. Permitting fee required.
- d. Specific directions by land, to applicant's property on Lake Murray.

3. Specifications

- a. Rip -rapping

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Rip-rapping for erosion control at the 360 foot contour and below will generally be permitted provided it is aesthetically acceptable and materials used have prior approval by SCE&G. (No concrete blocks, bricks, or building materials may be used as rip-rap below the 360 foot contour).

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- b. Seawalls or retainer walls

Seawalls or retainer walls for erosion control will be permitted provided they are constructed on the 360 foot contour. Earth fills below the 360 foot contour are prohibited.

4. Limited Brushing

Trees, bushes, and vegetation growing below the 360 foot contour on the shoreline of Lake Murray play an important role in the overall environmental condition of the Lake. The ecological impact the vegetation has on the fish and wildlife habitat is necessary to ensure a sound, healthy Lake environment. South Carolina Electric & Gas Company's Shoreline Management Plan permits limited removal of the shoreline vegetation for the construction and installation of docks. Please be advised that unauthorized removal of shoreline vegetation (button bushes, willow trees, hardwood, etc.) will result in the cancellation of the dock permit and revegetation of the shoreline will be required. Removal of merchantable timber may require reimbursement subject to valuation by SCE&G's Land Department. Property owners must contact South Carolina Electric & Gas Company's Lake Management Department prior to any removal of shoreline vegetation below the 360' contour.

VIII. Excavations

1. Policy

Excavation below the 360 foot contour is not permitted without authorization from SCE&G. All authorized excavations must be in accordance with SCE&G specifications and requirements which may include an environmental assessment plan or report.

2. Application Procedure

Applications for permits to excavate shall be submitted to SCE&G in writing and will include the following:

- a. A copy of applicant's deed and plat of property.
- b. Specific directions, by land, to applicant's property on Lake Murray.
- c. Drawing to scale of area to be excavated.

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- d. Required local, state and federal permits. Lake Management Department of SCE&G will assist in preparation of required local, state and federal permits.
- e. An application for an excavation not exceeding 150 cubic yards can be processed by SCE&G personnel. Any commercial excavation or individual individual excavation exceeding 150 cubic yards must be processed through the U. S. Army Corps of Engineers and State agencies.
- f. Permitting fee required.

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3. Excavation Specifications

- a. All excavating must be done directly in front of the permittee's lot.
- b. No excavation will be permitted when the excavation site is covered with water.
- c. All displaced soil must be moved above the 360 foot contour and must be stabilized and top seeded to prevent erosion.
- d. A 4 to 1 slope is the maximum slope allowed without rip rap. A 2 to 1 slope is permitted if rip-rap is installed.
- e. Excavations of wooded or vegetated areas located below the 360 foot contour is prohibited.
- f. No excavation will be permitted to alter the existing 360 contour.
- g. Excavation activities will be allowed only between October 1st of the current year and January 15th of the next year. Permits expire January 15 following the date of issuance

IX. LAND USE

1. Encroachments

Earth fills and non-permitted structures below the 360 foot contour are prohibited. Any that occurred prior to January 1, 1974, will be handled on a case by case basis.

2. Fringeland [insert diagram!!!]

Fringeland is that strip of land owned by SCE&G located between the 360 foot contour and the FERC Project Boundary Line. Fringeland is real estate

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Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

and as such falls under the responsibility of the Land Department. The use of all fringeland is categorized under a Land Use Classification Plan. Fringeland under the Development Category is generally available for purchase by the adjoining back property owner subject to Land Department and FERC review and regulation. However, as landowner, the Company retains the discretion to determine the availability of parcels for sale on an individual basis. Residential landowners, who have property behind SCE&G fringeland will have the right of access by foot to and from the lake. However, they will not be allowed to encroach with improvements, cut any trees or shrubs, place any water-oriented encroachments (dock or ramp) or otherwise alter the fringeland without written consent from the Lake Management Department. Appropriate action will be initiated to address such unauthorized violations. Upon the sale of fringeland to an individual, SCE&G generally retains title to a 75 foot buffer zone adjacent to the 360 foot contour.

Any unauthorized clearing of the trees or underbrush in the 75 foot buffer zone will result in the immediate cancellation of the individual's dock permit as well as possible legal action to require the revegetation of the affected area. Removal of merchantable timber will require reimbursement to South Carolina Electric & Gas Company subject to valuation of the Land Department.

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X. WATER REMOVAL FROM THE LAKE [Move this section to after Moorings]

1. Application for a Permit [Commercial and residential requests for water withdrawals should contact SCE&G for permit applications and additional information. Water removal permits for residential property will be for irrigation purposes only.]

[note – verify this information is in the SMP] Applications for a commercial permit to remove water may be submitted to SCE&G. SCE&G will deny the application if it appears to conflict with the public interest. If not, it will be forwarded to FERC for approval if required. SCE&G will not endorse such applications. SCE&G will impose limits in granting permits for approved applications. The applicant will be required to compensate SCE&G for water withdrawn and to bear expenses of filing the application.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

2. Application Procedure

A commercial application to withdraw water from the lake must include a complete description of the purpose for the removal and processes to be used, the volumes to be withdrawn and ultimately to be returned to the project waters, and copies of all required local, state, and federal permits and reports. A fee will be required.

XI. EFFLUENT DISCHARGES [for SMP only – make sure this information is in the SMP.]

[We should include a statement in this document as follows: Lake Murray is classified as a no sewage discharge lake.]

1. Policy

SCE&G personnel will continue to notify appropriate governmental officials of any unauthorized effluent discharges which are discovered. Anyone found to have an unauthorized discharge source within the project boundary line will be required to remove it.

2. Installation of Sewage Pumping Stations at Marinas

Commercial marinas must have facilities to remove effluent wastes from boats pursuant to South Carolina Department of Health and Environmental Control regulations.

XII. GOVERNMENTAL CONSENTS [make sure the first two paragraphs are included in the SMP and remove from this document.]

The South Carolina Department of Natural Resources has jurisdiction over navigation, wildlife, fisheries on Lake Murray. Applications for construction of new docks, boat ramps, excavations, filling and other encroachments may require evidence of consent from this agency.

The S. C. Department of Health and Environmental Control and the U. S. Environmental Protection Agency have jurisdiction over effluent discharges and activities affecting water quality in Lake Murray. Permits and certificates from these agencies may also be required.

Leave this statement in this document: [Permits or consents from local governments with jurisdiction over zoning or other land use laws may be required.]

XIII. GENERAL [include PFD, boating, other safety issues and/or websites to address these issues in more detail.]

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Aquatic Plants [Dick Christie to develop a write-up for this section.]

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The management of the Aquatic Weed Program on Lake Murray is a cooperative agreement between the South Carolina Department of Natural Resources and South Carolina Electric & Gas Company's Lake Management Department. Lake visitors are requested to help prevent the spread of aquatic weeds by clearing off boats and trailers before launching into the waters of Lake Murray.

It is against both State and Federal regulations for individuals to spray or treat aquatic growth in the waters of Lake Murray without the necessary permits. Report all unauthorized spraying or aquatic weed problems to South Carolina Electric & Gas Company's Lake Management Department.

Notice to Boaters (Overhead Powerlines
Crossing Project Waters)

Overhead powerlines cross the waters of Lake Murray. Boaters should be aware of powerlines and approach with caution.

Deeds, permits or other instruments affecting Project 516 lands and waters will contain all standard covenants customarily imposed upon project property and such other covenants as in the sole discretion of SCE&G may be desirable or appropriate. The instrument may contain indemnity clauses and insurance provisions.

Inspection fees do not constitute a charge for admission to Project lands,.

SCE&G retains the right to vary the amount of inspection fees.

No vested right or rights enforceable by third parties are created by SCE&G's Policies or Procedures.

All statements in this booklet are qualified by reference to SCE&G's Policy Memorandum and Procedure Memorandum governing Lake Murray, both of which are subject to change at any time. Regulations, Orders and Directives of the Federal Energy Regulatory Commission will take precedence.

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Maps of Lake Murray showing public and commercial landings, parks, shoal markings and other information are available free of charge from the South Carolina Electric & Gas Company.

Inquiries concerning policies, procedures, applications or regulations as outlined in this booklet should be directed to South Carolina Electric & Gas Company (096), Lake Murray Management Department, Columbia, South Carolina 29218. Telephone (803) 748-3015.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**



**South Carolina Electric & Gas Company
Lake Murray Management Department
Mail Code 096
Columbia, South Carolina 29218**

**Published 1-75
Revised 5-80
Revised 5-84
Revised 6-88**

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

**Revised 2-90
Revised 8-95**

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From: Alison Guth
Sent: Wednesday, July 05, 2006 11:58 AM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tom Brooks
Subject: Final Meeting Notes
Hello All,

Attached are the final meeting notes from the 5-26 and 6-15 TWC meetings. Thanks, Alison



2006-5-26 final
Meeting Minute...



2006-6-15 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Roy Parker, LMA

Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Amanda Hill, USFWS
Dick Christie, SCDNR

DATE: May 26, 2006

HOMEWORK ITEMS:

- Develop Erosion Evaluation Form – Tommy Boozer and David Hancock

**DATE OF NEXT MEETING: June 15, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and welcomed the group. He noted that the first item would be to discuss the edits to the bank stabilization criteria. David Hancock and Tommy Boozer explained that they would like that a permit be obtained from the Corps for any riprapping projects exceeding 1000 feet in length. There was some discussion on this issue. Ron Ahle made the suggestion that the homeowner be required to obtain a permit for riprapping exceeding 500 feet or have the option of bioengineering the bank for any lengths above 500 feet in lieu of obtaining the permit. Ahle also noted that it was an opportunity to encourage people to employ bioengineering techniques. Stuart asked, in the past few years, how many applications exceeding 500 feet are typically received by SCE&G. Tommy Boozer replied that there had only been a few. After continued discussion on this issue, the group decided to proceed with Ron Ahle's presentation on bioengineering before a decision was made.

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May 26, 2006*

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Ahle began the presentation and noted that the purpose was to provide education on the various bioengineering techniques that are available. He noted that a goal would be to provide stabilization along with a vegetated shoreline and wildlife habitat. He explained that it was important to educate the public that there are other ways to stabilize the shoreline naturally. He noted that an education program could also inform people on where bioengineering supplies would be available and who was able to do the work.

After Ahle presented a few examples of bank erosion, Roy Parker noted that he had observed, on Bomb Island, that although there is vegetation and trees it continues to severely erode. Ahle noted that he would address this later in his presentation.

Ahle began his presentation with a discussion on live stakings and noted that they were the most appropriate for areas in the backs of coves. He explained that one important thing with live staking is that the downside of the staking has a sharp point and is at or below normal pool elevation. Ahle pointed out that the easiest and cheapest method for live staking is to use live cuttings. He also noted in his presentation that the homeowner could have the work done costing in the ranges of \$1.50 to \$3.50 a stake. Ahle explained that this method was applicable for escarpments that are less than 1 foot. Steve Bell asked if an individual has an escarpment that is less than one foot, would it be best to cut it out or fill it in. Ahle replied that it should probably be sloped back.

The next method of bioengineering that Ahle discussed was the installation of a Bio-log, with vegetation planted behind and around. Ahle noted that this method would not prevent the homeowner from being able to see the lake. Ahle explained that less desirable species would need to be weeded out when they began to come in. Ahle also explained that the plants used would be perennials. Dick Christie asked Ahle if the lake went down for a few years if some of the vegetation was drought hardy. Van Hoffman replied that it may have to be watered and Ahle also noted that he believed that you would still be able to maintain a good protected bank with vegetation during a drought.

There was some discussion on the bioengineering method of Contour Wattleing. Hancock expressed concern because many times in performing this bioengineering method the trees have to be taken out 40 to 50 feet back. Boozer also noted that he was concerned that if the bioengineering was made too difficult, many people are not going to want to do it. Ahle explained that Contour Wattleing was probably not the most recommended method for bioengineering.

Parker pointed out that there are some individuals who like the look of riprap. Ahle noted that if people become used to seeing the natural shoreline they many begin to like that better. Rhett Bickley noted that the increased vegetation would also benefit water quality that may be an

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incentive to some. Ahle explained that he believed that one important key is that options are available to allow the homeowner to choose what is best for them.

Ahle went on to explain a few more options for bioengineering. Ahle discussed live facine but noted that it was probably not the best solution for the private property owner. He noted that brush layering was another option for steeper slopes. He explained that with this method notches are cut into the slope at angles. Ahle began to describe Brush Mattresses that are secured with wire lacing and grow thick. Ahle noted that one of the drawbacks of this method is that it tends to be very expensive.

Ahle noted that vegetated rip rap is another option for bioengineering. He explained that some plants that might grow well among riprap are swamp mallow and hibiscus. Ahle pointed out that vegetated rip-rap may be a transition if an individual is insistent on riprap.

The group went on to discuss what could be done on severely eroded banks. Ahle explained that the bioengineering technique for this circumstance is a vegetated gabion wall which uses rock baskets with plantings. He noted that a similar vegetated gabion mattress is used for a less steep slope. Hancock pointed out that one drawback to a gabion was that the Lake may eventually break it up. Ahle also explained a vegetated crib wall to the group. He concluded his presentation by explaining what is called A-Jacks, interlocking structures that allow plants to grow in between.

Amanda Hill noted that on different slopes that different methodologies worked better. She noted that it would be helpful to show the slope calculations along with the best associated bank stabilization techniques. Ahle noted that one helpful thing that SCE&G could do to promote bioengineering was to buy Bio-logs wholesale and provide them wholesale to homeowners.

The group began to discuss the options for bioengineering and Boozer explained to the group that typically, individuals who buy a piece of property cannot do everything at one time financially. He continued to note that they typically do it in phases, get the boat dock first, then look into stabilization at a later date. Hill added that when the individuals do come to SCE&G for a boat dock, that is when SCE&G should give them a consultation on options available for the future, in terms of stabilization and such. Stuart suggested having a pamphlet on bank stabilization available in those circumstances. Boozer also suggested using areas in the public parks to give examples of bioengineering. Ahle and Hill agreed that that would be a good idea. Ahle added that the cabins in front of Dreher Island would be a good place to set up one of the examples.

The group then began to discuss the topic of receiving a Corps permit for 1000 ft of rip-rap or the suggested 500 feet of rip rap. Boozer suggested that if the riprap request was over 500 feet then it should be reviewed by the USFWS and SCDNR. Ahle and Hill agreed. Boozer also noted that they

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would take the first shot at the development of an Erosion Evaluation Form that would be included in the SCE&G application packet. Hill noted that instead of having a box in the application form that asks if the homeowner is interested in riprap, to have a box that asks if the homeowner is interested in bank stabilization, under which the different forms of stabilization could be listed, including bioengineering.

After lunch the group began their discussion on limbing and Hancock gave a presentation to the group that he had prepared on this topic. In his presentation, Hancock proposed that trees may be limbed if they have a minimum DBH of 6" and a minimum height of 20'. He noted in his proposal that an individual can only limb up to 8' in height. Hancock further noted that they would not allow the limbing of willow trees, only pine, oak, sweet gum, and maple. Christie noted that without the proper knowledge and tools, DBH may be difficult for the average person to decipher. Christie went on to suggest that circumference be listed as well, in parenthesis. The group agreed to the limbing proposal and concluded the meeting. It was noted that at the next meeting the group would discuss excavations and Hancock passed out the excavation packet for review prior to the meeting. The next meeting date was set for June 15th at 9:30 at the Lake Murray Training Center.

Shoreline Stabilization Memo edits attached below:

**SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office**

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06
Subject: Straw-man for Shoreline Stabilization Criteria

Criteria for Shoreline Stabilization Permits [Provide good diagrams]

All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

Develop slope criteria matrix similar to what Ron provided at May 26 TWC.

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MEETING NOTES

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Provide a description or definition of bioengineering

Include an erosion evaluation form in the application package (SCE&G will develop this)

1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP (including maintaining structures in good repair). This responsibility transfers automatically along with ownership.

5) All shoreline stabilization activities must comply with all local, state, and federal regulations, if applicable. Prior to beginning any activity/construction within the high water mark (360-foot elevation), the applicant must obtain all necessary governmental permits or approvals, and written authorization from SCE&G Lake Management, especially for any stabilization activities associated with native aquatic plants. Stop sentence here such as water willow beds.

6) Consultation with SCDNR and USFWS will be required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

7) In order to protect aquatic resources shoreline stabilization activities shall typically be performed when water elevation is below work area. When water elevation is above the work area,

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MEETING NOTES

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critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, shoreline vegetation and other natural resources.

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8) Riprap material must be SCDOT Class B or larger quarry-run stone, natural stone, or other material approved by SCE&G. Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.

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9) Minimal clearing below the high water mark (360-foot elevation) is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.

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10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. Any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the high water mark (360-foot elevation) in vegetated areas must be limited to one layer deep to allow spaces between the stone for vegetation recruitment.

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques are always the preferred method for shoreline stabilization. However, approved bioengineering techniques are generally required for eroded banks of two feet or less of erosional scarp. Approved bioengineering and/or vegetated riprap techniques are preferred for eroded banks exceeding two feet of erosional scarp. (Figure for examples of acceptable bioengineering and vegetated rip-rap techniques).

Comment: Add to glossary

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation), except where the entire placement is on above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

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14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.
- Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.
- Cancellation of all current shoreline permits and loss of consideration for future shoreline permits

REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020

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**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
June 15, 2006**

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alison Guth, Kleinschmidt Associates	Rhett Bickley – Lexington County
Tommy Boozer, SCE&G	Van Hoffman – SCE&G
David Hancock, SCE&G	Randy Mahan – SCANA Services
Ron Ahle, SCDNR	Bill Mathias – LMA and LMPS
Dick Christie, SCDNR	Tom Eppink – SCANA Services
Steve Bell, LW	

DATE: June 15, 2006

HOMEWORK ITEMS:

- Ron Ahle – to send Tommy Boozer and David Hancock Bank Erodability Index

**DATE OF NEXT MEETING: July 12, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and noted that the group was working toward wrapping up the bank stabilization criteria. He explained that Tommy Boozer had an example to show the group on a checklist for bank stabilization. This was a homework item assigned to Boozer and David Hancock at a previous meeting. Boozer noted that the example handed out was developed for another lake, however, they would take the format and apply it to Lake Murray.

The group reviewed the example document. Ron Ahle made the suggestion of including a bank erodability index. He further explained that there is a formula that looks at the measurements of the bank itself and calculates the erodability index. Ahle noted that he would research the index and bring the information back to the group. Boozer asked that Ahle send it to them so that they could begin to review it. He also noted that in most cases the erodability index was something that the contractor would determine.

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The group moved to discussions on excavations and reviewed the current criteria. Hancock explained that currently the maximum amount they allow to be excavated is 150 cubic yards. He further explained that typically the average excavation increases depth 2 to 4 feet around the dock. Hancock noted that they typically try to get the docks to the 352' to 351' elevation. Ahle suggested using the LIDAR information to assist contractors in determining elevations.

The group decided that it would proceed by developing a list of Benefits and Impacts of excavations. The group developed the list below

Benefits:

- Improved Access
- Boating, Swimming, Fishing
- Happy Individuals
- Removes Loose Sediment
- \$\$\$ to homeowner
- Small scale

Impacts:

- Undeveloped area disturbance
- Disturbed fish spawning habitat
- Bank stabilization issues, vegetation impacts
- Alters cove water patterns
- Littoral zone alterations
- Boat traffic

Stuart asked the group if there was a safety component to be considered under the Benefits or the Impacts. There were different opinions expressed on whether excavations provided an increase in safety or had an impact to safety. The group continued to discuss the Benefits vs. the Impacts to excavations and Hancock pointed out that there was an issue of sand build up in the Lexington side of the Lake, and if excavations were not allowed, those areas would fill in.

Dick Christie noted, that from an ecological perspective, during excavations you are, in effect, taking a highly productive littoral zone and changing it to a less productive classification. Christie continued to explain that the littoral zone was important in that it is where spawning occurs, where reptiles and amphibians spend much of their time, where wading birds feed.

Once the group had concluded discussions on the Benefits and Impacts of excavations, the group then again began to review the current criteria. It was decided that excavations would take place below the 354' elevation unless otherwise approved by SCE&G in consultation with SCDNR. Boozer asked the group what would happen if an individual applied for a Corps permit that was above the 354' elevation in a site that is not appropriate for excavation above the 354', and should SCE&G object to it. Ahle noted that as well as SCE&G objecting to it, SCDNR would also object to it as it is not consistent with SCE&G's Shoreline Management Plan (SMP). Steve Bell asked what conditions are considered for allowing excavations to occur above the 354'. Ahle replied that the key is if there are significant ecological resources at the location. Hancock noted that currently

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Lake and Land Management Technical Working Committee**

if they have a site that is questionable that they do call SCDNR, and that they are not going to approve an excavation that the DNR does not approve. Ahle noted that, at the same time, they recognize that individuals need to have access to the Lake and that they will try to work with homeowners to the extent possible.

The group continued the interactive discussion and made changes to the document accordingly (Lake Murray Excavation document with changes attached below). After concluding discussion on this topic, Hancock reviewed the Shoreline Activities application with the group. The group did not pose any changes to the application and the group moved on to discuss Private Docks.

Boozer began this discussion by giving a presentation and a brief history of the SMP as it relates to private docks to the group. It was noted that since 1978 there has been an increase of about 5000 structures on the Lake, from the recorded 4,000 in the 1978 inventory. Boozer further noted that everything that was inventoried prior to the implementation of the SMP was grandfathered in, and that they have been working over the years with the homeowners to get those structures into compliance.

Boozer explained a little about the dock permitting process to the group and that SCE&G does have a standard dock that is allowed. As Boozer proceeded through the presentation the group reviewed the application together. In discussions on the vegetation agreement, it was noted that some changes will be made to include the new items decided upon in the group. It was noted that the group would review this document with the incorporated changes at the next meeting.

The group reviewed the dock diagram, and Boozer explained that the largest floating platform that SCE&G will permit is a 12' by 20'. Boozer further pointed out that they also only allow one boat lift per dock due to the large areas that boat lifts impact. He noted that SCE&G receives quite a few requests for jet ski lifts, and explained that he would like for this group to make a decision on how this should be handled in the future. Upon reviewing the slip type docks, Boozer noted that an individual had to have a minimum of 200 feet of shoreline to be eligible for this type of dock. He also noted that generally with this type of dock layout they require the boat lifts to be inside the slip.

Boozer concluded his presentation and noted that the next agenda item would be to review the General Requirements. Stuart asked the group if there were any issues with the dock permitting program as it currently exists. Bell replied that he would like to have more time to review the document with the other stakeholders that he represents. Boozer noted that as far as SCE&G is concerned, they feel comfortable with what is defined in the General Permit, however, they are open to discussion.

The group decided that they would briefly review the General Requirements, however they would leave the bulk of the discussion for the next meeting. A few concerns were brought up. Ahle noted he would like to see a deadline, such as 5 years, for dock applications for those lots who are eligible for a dock but have not yet applied for one. Hancock replied that there were not that many lots that have been guaranteed a dock and have not yet applied for it. He further noted that he did not see any benefit to placing a deadline in this instance because it would most likely promote a rush for permits that otherwise may not be applied for. Ahle replied that if there were not a large amount of

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

areas that have been guaranteed a dock then it was probably not a large concern, if it was a large amount, however, it may raise more concerns.

The group shortly discussed the situation involving individuals that own land behind areas classified as Forest and Game Management. Ahle noted that this was an important issue to consider with their discussions on reclassification. In discussions on common docks, Boozer suggested that the group change the ownership rules that an individual has to have 75 feet of shoreline and only 2 people are allowed to share a common dock, instead of 4. The group agreed to these changes

The group decided that at the next meeting they would continue these discussions on the General Requirements, as well as review a few items in the shoreline management plan booklet. The next meeting date was scheduled for July 12th.

Document revisions and Agenda attached below:

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

LAKE MURRAY EXCAVATIONS

At the time you applied for permission to excavate in front of your property at Lake Murray, you were advised of the Company's Shoreline Management Guidelines, and were requested to supply additional information required by the policy. If you are given approval by our Lake Management representative, it is imperative that the terms of the permit be adhered to, including the following requirements:

1. A non-refundable permitting fee of \$200.00 is required for the excavation permit, plus a \$500.00 deposit. The deposit is refundable upon request after final inspection and approval of the condition of the excavated shoreline.
2. A complete, detailed drawing (to scale) of the proposed excavation area must be provided. This must include contours, cross sections, width, length and depth, and the exact volume of earth in cubic yards to be removed. Also, the drawing must include and identify the location where the excavation dirt will be placed upon removal from site. If the dirt is to be totally removed from the shoreline area, this must be so stated. **The maximum volume of earth to be removed is 150 cubic yards.**
3. A recordable plat of the applicant's and adjacent property owners' property that will be affected by proposed excavation must be furnished.
4. Lake Management Department must be notified prior to commencement of work.
5. All displaced soil must be taken off site or otherwise stabilized above the 360 foot contour in accordance with SCE&G requirements if in Richland, Saluda and Newberry Counties, and in accordance with recommendations of the Lexington County Sediment Control Representative if in Lexington County.
6. A 4 to 1 slope is the maximum slope allowed.
7. All excavating must be done directly in front of the applicant's property and below the 354' contour, unless otherwise approved by SCE&G in consultation with SCDNR.
8. No excavation will be permitted in a wooded or vegetated area or other areas that may be identified by SCE&G in consultation with SCDNR. The protection of shallow water habitat must be considered at all times. A Lake Management representative will designate area to be excavated.
9. Excavation activities generally will not be allowed between **January 15 and October 1**. Exceptions may be granted by SCE&G based on hydrological or meteorological conditions. Permits are valid for one (1) year from the date of issue only. See date on approved permit.
10. Water must not cover the excavation site during excavation activities.
11. The contractor must have a copy of the approved permit and drawing while on the job site at all times.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

12. All excavation must be completed by using the following equipment: (1) dragline; (2) track backhoe; or other equipment approved by Lake Management personnel.

13. Lake Management Department must be notified upon completion of work.

Failure to comply with any of the above requirements will result in automatic suspension of the excavation permit, forfeit of the \$500.00 deposit, and may result in the cancellation of any shoreline permits.

Applicant acknowledges and accepts the above listed requirements, and further certifies that he/she possesses the authority to undertake the proposed activities. Applicant further certifies that he/she shall indemnify and hold harmless SCE&G from all liability however arising to any and all persons whomsoever, whether for personal injuries (including death) or otherwise, by reason of the construction upon lands and interests of SCE&G, and from any damage or injury resulting to any persons whomsoever from defects in or defective conditions of said construction.

South Carolina Electric & Gas Company

Applicant

Project Representative

Street

Date

City, State, Zip Code

Revised 7/23/03

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5. A recordable plat of the applicant's and adjacent property owners' property that will be affected by proposed excavation must be furnished.¶
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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

GENERAL REQUIREMENTS

Permits to construct, repair, modify, or replace boat docks, ramps, marine railways, boat lifts, water removal, limited brushing, rip-rap, and retaining walls must be obtained from SCE&G's Lake Management Department prior to the beginning of construction.

Dock construction shall not endanger health, create a nuisance, or otherwise be incompatible with overall Project recreation use.

A minimum lot width of 100 feet along the 360 contour is required before an individual residential dock application will be considered.

Lots measuring less than 100 feet in width in subdivisions established prior to 1989 where the adjacent lots have existing docks may be considered for limited size docks.

No watercraft exceeding 30 feet in length will be permitted to be permanently docked at a residential or common area dock.

Application Procedure for New Construction, Additions, or Replacements

The applicant will be required to apply to SCE&G in writing and submit the following:

1. Sketch showing location, design, and dimensions of the proposed structure.
2. Permitting fee
3. Specific direction by land to applicant's property on Lake Murray
4. Plat of applicant's property

All docks must be kept in good repair.

Private docks, whether permanent or floating may generally be up to 750 sq. feet in overall size and 75 feet in length provided they do not interfere with navigation or restrict access to adjoining property.

Floating docks attached to permanent docks may be moved out as the Lake level recedes provided they do not interfere with adjacent property owner's access.

Docks may be longer where conformity with existing structures would be practical and in cases where exception would be desirable due to curvature or slope of the shoreline.

All permitted docks must be built horizontally between the elevation of 360 and 362 foot contour.

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Docks must be located a minimum of 15 feet from adjacent property lines and the projected extension should not cross over the imaginary projected lot lines.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

The projection of the imaginary property line is a management tool to assist Lake Management Representatives and may be waived under certain circumstances.

Covers on docks are not permissible unless the covered portion is located within 15 feet of the 360 contour.

Hand railing is permissible provided the sides are not enclosed.

No sinks, toilets, showers, or fueling systems are permitted.

Flotation for floating docks must be encased or encapsulated flotation.

Docks must be single story structures.

Boatlifts connected to docks are allowable.

Common docks shall follow all of the guidelines described for private docks. Common docks may be permitted for two residential lots. Each property owner participating in a common dock must have a minimum of 75 feet along the 360 contour.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Purpose:

To Develop Draft Criteria on Excavations for Inclusion in the Shoreline Management Plan. To Discuss and Review Criteria for Residential Dock Permits

Logistics:

Where: Lake Murray Training Center

When: June 15, 2006

Time: 9:30 AM to 3:00 PM

Meeting Agenda:

- **9:30 to 10:30** Begin Discussions on Criteria For Excavations
 - **10:30 to 10:40** **Break**
 - **10:40 to 11:30** Continued Discussion on Excavations and the Development of Draft Criteria to be Presented to the RCG
 - **11:30 to 12:00** **Lunch**
 - **12:00 to 12:30** Presentation on Docks – *Tommy Boozer and David Hancock*
 - **12:30 to 2:45** Development of Draft Criteria on Residential Dock Permits to be Presented to the RCG
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Meeting
 Next
- Adjourn

No excavation activities will be allowed between **January 15 and October**

1. Permits are valid for one (1) year from the date of issue only. See date on approved permit.

Lake Management Department must be notified upon completion of work.

13. Displaced soil must be stabilized in accordance with SCE&G requirements if in Richland, Saluda and Newberry Counties, and in accordance with recommendations of the Lexington County Sediment Control Representative if in Lexington County. The work performed must not endanger health, create a nuisance or otherwise be incompatible with the overall project recreational use.

Failure to comply with any of the above requirements will result in automatic suspension of the excavation permit and forfeit of the \$500.00 deposit.

Kacie Jensen

From: Alison Guth
Sent: Monday, June 26, 2006 10:19 AM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Lake and Land Management Comments

Good morning all,

Just a reminder that comments on the meeting notes from 5-26-06 are due Wednesday. Please have any additional comments in to me before that time. Thanks and take care, Alison



2006-5-26 draft
with comments ...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Draft ACG 6-14-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Roy Parker, LMA

Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Amanda Hill, USFWS
Dick Christie, SCDNR

DATE: May 26, 2006

HOMEWORK ITEMS:

- Develop Erosion Evaluation Form – Tommy Boozer and David Hancock

**DATE OF NEXT MEETING: June 15, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and welcomed the group. He noted that the first item would be to discuss the edits to the bank stabilization criteria. David Hancock and Tommy Boozer explained that they would like that a permit be obtained from the Corps for any riprapping projects exceeding 1000 feet in length. There was some discussion on this issue. Ron Ahle made the suggestion that the homeowner be required to obtain a permit for riprapping exceeding 500 feet or have the option of bioengineering the bank for any lengths above 500 feet in lieu of obtaining the permit. Ahle also noted that it was an opportunity to encourage people to employ bioengineering techniques. Stuart asked, in the past few years, how many applications exceeding 500 feet are typically received by SCE&G. Tommy Boozer replied that there had only been a few. After continued discussion on this issue, the group decided to proceed with Ron Ahle's presentation on bioengineering before a decision was made.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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**SCE&G Training Center
May 26, 2006**

Draft ACG 6-14-06

Ahle began the presentation and noted that the purpose was to provide education on the various bioengineering techniques that are available. He noted that a goal would be to provide stabilization along with a vegetated shoreline and wildlife habitat. He explained that it was important to educate the public that there are other ways to stabilize the shoreline naturally. He noted that an education program could also inform people on where bioengineering supplies would be available and who was able to do the work.

After Ahle presented a few examples of bank erosion, Roy Parker noted that he had observed, on bomb island, that although there is vegetation and trees it continues to severely erode. Ahle noted that he would address this later in his presentation.

Ahle began his presentation with a discussion on live stakings and noted that they were the most appropriate for areas in the backs of coves. He explained that one important thing with live staking is that the downside of the staking has a sharp point and is at or below normal pool elevation. Ahle pointed out that the easiest and cheapest method for live staking is to use live cuttings. He also noted in his presentation that the homeowner could have the work done costing in the ranges of \$1.50 to \$3.50 a stake. Ahle explained that this method was applicable for escarpments that are less than 1 foot. Steve Bell asked if an individual has an escarpment that is less than one foot, would it be best to cut it out or fill it in. Ahle replied that it should probably be sloped back.

The next method of bioengineering that Ahle discussed was the installation of a Bio-log, with vegetation planted behind and around. Ahle noted that this method would not prevent the homeowner from being able to see the lake. Ahle explained that less desirable species would need to be weeded out when they began to come in. Ahle also explained that the plants used would be perennials. Dick Christie asked Ahle if the lake went down for a few years if some of the vegetation was drought hardy. Van Hoffman replied that it may have to be watered and Ahle also noted that he believed that you would still be able to maintain a good protected bank with vegetation during a drought.

There was some discussion on the bioengineering method of Contour Wattleing. Hancock expressed concern because many times in performing this bioengineering method the trees have to be taken out 40 to 50 feet back. Boozer also noted that he was concerned that if the bioengineering was made too difficult, many people are not going to want to do it. Ahle explained that Contour Wattleing was probably not the most recommended method for bioengineering.

Parker pointed out that there are some individuals who like the look of riprap. Ahle noted that if people become used to seeing the natural shoreline they many begin to like that better. Rhett Bickley noted that the increased vegetation would also benefit water quality that may be an

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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incentive to some. Ahle explained that he believed that one important key is that options are available to allow the homeowner to choose what is best for them.

Ahle went on to explain a few more options for bioengineering. Ahle discussed live facine but noted that it was probably not the best solution for the private property owner. He noted that brush layering was another option for steeper slopes. He explained that with this method notches are cut into the slope at angles. Ahle began to describe Brush Mattresses that are secured with wire lacing and grow thick. Ahle noted that one of the drawbacks of this method is that it tends to be very expensive.

Ahle noted that vegetated rip rap is another option for bioengineering. He explained that some plants that might grow well among riprap are swamp mallow and hibiscus. Ahle pointed out that vegetated rip-rap may be a transition if an individual is insistent on riprap.

The group went on to discuss what could be done on severely eroded banks. Ahle explained that the bioengineering technique for this circumstance is a vegetated gabion wall which uses rock baskets with plantings. He noted that a similar vegetated gabion mattress is used for a less steep slope. Hancock pointed out that one drawback to a gabion was that the Lake may eventually break it up. Ahle also explained a vegetated crib wall to the group. He concluded his presentation by explaining what is called A-Jacks, interlocking structures that allow plants to grow in between.

Amanda Hill noted that on different slopes that different methodologies worked better. She noted that it would be helpful to show the slope calculations along with the best associated bank stabilization techniques. Ahle noted that one helpful thing that SCE&G could do to promote bioengineering was to buy Bio-logs wholesale and provide them wholesale to homeowners.

The group began to discuss the options for bioengineering and Boozer explained to the group that typically, individuals who buy a piece of property cannot do everything at one time financially. He continued to note that they typically do it in phases, get the boat dock first, then look into stabilization at a later date. Hill added that when the individuals do come to SCE&G for a boat dock, that is when SCE&G should give them a consultation on options available for the future, in terms of stabilization and such. Stuart suggested having a pamphlet on bank stabilization available in those circumstances. Boozer also suggested using areas in the public parks to give examples of bioengineering. Ahle and Hill agreed that that would be a good idea. Ahle added that the cabins in front of Dreher Island would be a good place to set up one of the examples.

The group then began to discuss the topic of receiving a Corps permit for 1000 ft ~~of rip-rap or the~~ suggested 500 feet of rip rap. Boozer suggested that if the riprap request was over 500 feet then it ~~should~~ be reviewed by the USFWS and SCDNR. Ahle and Hill agreed. Boozer also noted that they

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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May 26, 2006**

Draft ACG 6-14-06

would take the first shot at the development of an Erosion Evaluation Form that would be included in the SCE&G application packet. Hill noted that instead of having a box in the application form that asks if the homeowner is interested in riprap, to have a box that asks if the homeowner is interested in bank stabilization, under which the different forms of stabilization could be listed, including bioengineering.

After lunch the group began their discussion on limbing and Hancock gave a presentation to the group that he had prepared on this topic. In his presentation, Hancock proposed that trees may be limbed if they have a minimum DBH of 6" and a minimum height of 20'. He noted in his proposal that an individual can only limb up to 8' in height. Hancock further noted that they would not allow the limbing of willow trees, only pine, oak, sweet gum, and maple. Christie noted that without the proper knowledge and tools, DBH may be difficult **for** the average person to decipher. Christie went on to suggest that circumference be listed as well, in parenthesis. The group agreed to the limbing proposal and concluded the meeting. It was noted that at the next meeting the group would discuss excavations and Hancock passed out the excavation packet for review prior to the meeting. The next meeting date was set for June 15th at 9:30 at the Lake Murray Training Center.

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Shoreline Stabilization Memo edits attached below:

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06

Subject: Straw-man for **Shoreline** Stabilization Criteria

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Criteria for Shoreline Stabilization Permits [Provide good diagrams]

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All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

Develop slope criteria matrix similar to what Ron provided at May 26 TWC.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

SCE&G Training Center
May 26, 2006

Draft ACG 6-14-06

Provide a description or definition of bioengineering

Include an erosion evaluation form in the application package (SCE&G will develop this)

1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP (including maintaining structures in good repair). This responsibility transfers automatically along with ownership.

5) All shoreline stabilization activities must comply with all local, state, and federal regulations, if applicable. Prior to beginning any activity/construction within the high water mark (360-foot elevation), the applicant must obtain all necessary governmental permits or approvals, and written authorization from SCE&G Lake Management, *especially for any stabilization activities associated with native aquatic plants. Stop sentence here such as water willow beds.*

6) Consultation with SCDNR and USFWS will be required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

7) In order to protect aquatic resources shoreline stabilization activities shall typically be performed when water elevation is below work area. When water elevation is above the work area.

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MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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~~critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, shoreline vegetation and other natural resources.~~

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8) ~~Riprap material must be SCDOT Class B or larger quarry-run stone, natural stone, or other material approved by SCE&G. Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.~~

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9) Minimal clearing ~~below the high water mark (360-foot elevation)~~ is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. ~~Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.~~

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10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. ~~Any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the high water mark (360-foot elevation) in vegetated areas must be limited to one layer deep to allow spaces between the stone for vegetation recruitment.~~

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques are always the preferred method for shoreline stabilization. However, approved bioengineering techniques are generally required for eroded banks of two feet or less of erosional scarp. Approved bioengineering and/or vegetated riprap techniques are preferred for eroded banks exceeding two feet of erosional scarp. (Figure for examples of acceptable bioengineering and vegetated rip-rap techniques).

Comment: Add to glossary

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation) except where the entire placement is on above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

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Deleted: and where permissible based on any local or state buffer requirements.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Draft ACG 6-14-06

14) Stabilization of eroded banks that are ~~2~~ feet in height or higher or that are not associated with emergent aquatic vegetation ~~can be stabilized using S C D O T~~ Class B or larger size riprap with filter cloth, ~~bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.~~

15) ~~Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.~~

16) A layer of riprap (~~SCDOT~~ Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all ~~retaining walls~~. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. ~~SCE&G~~ Lake Management representatives will issue Stop Work Directives for any violations that are detected within the ~~high water mark (360 foot elevation) of Lake Murray~~. Consequences for violations will include one or more of the following:

- Unwanted delays.
- ~~Suspension or cancellation of approved shoreline stabilization permit.~~
- ~~Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.~~
- ~~Cancellation of all current shoreline permits and loss of consideration for future shoreline permits~~

**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

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Kacie Jensen

From: Alison Guth
Sent: Thursday, June 22, 2006 12:54 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Final Lake and Land RCG notes

Hello all,

Attached is the final set of meeting notes from the April 26 Lake and Land RCG. Thank you for all your comments. Alison



2006-4-26 Final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
April 26, 2006**

Final ACG 6-22-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates	Dan Tufford, USC
Alison Guth, Kleinschmidt Associates	Mike Murrell, LMA
Tommy Boozer, SCE&G	Bertina Floyd, LMHOC
David Hancock, SCE&G	Richard Kidder, LMA, LMSCA
Ron Ahle, SCDNR	Bob Keener, LMA, LMSCA
Steve Bell, LW	Tony Bebbler, SCPRT
John Oswald, Century 21	Jenn O'Rourke, SC Wildlife Federation
Kit Oswald, Century 21	John S Frick, landowners
Bill Argentieri, SCE&G	Bill Mathias, LMA, LMPS
Van Hoffman, SCE&G	Tom Rupple, LMA
Don Tyler, LMA, LMHOC	Ron Scott, Lexington County
Roy Parker, LMA	

DATE: April 26, 2006

AGENDA ITEMS:

- Alan Stuart suggested a presentation on what other utilities are doing as far as public outreach. – Alan Stuart

HOMEWORK ITEMS:

None

DATE OF NEXT MEETING: August 22, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart began the meeting and the group progressed through introductions. Before beginning the first item on the agenda, Alan S. briefly reviewed the mission statement with the group. As an introductory item, Alan S. updated the Resource Conservation Group (RCG) as to the progress of the Technical Working Committee (TWC). He explained that the TWC has developed the first draft of a Buffer Zone and Woody Debris Management Plan. Alan S. added that the TWC has

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
April 26, 2006**

Final ACG 6-22-06

discussed limited brushing, as well, and has come to a few conclusions regarding that issue. When asked the status of the request for a Total Build-Out, Study Alan S. replied that Randy Mahan was currently looking into it. Don Tyler explained that he viewed the real value of a build-out study as providing key information that can be applied to land management policies.

There was some discussion on land reclassification. Alan S. explained that land reclassification was one of the last items that the TWC would discuss. One individual expressed concern about areas that were categorized as forest and game management areas. He noted that some of the areas are too small to actually be hunted or provide benefit for recreation and wildlife. Ron Ahle explained that although he would like for the most ideal land to be categorized as Forest and Game Management, that the smaller lands provided benefits other than hunting, which includes habitat for many smaller species.

Moving to the next item on the agenda, the group began to review the draft layout of the Shoreline Management Plan (SMP). Alan S. explained that his goal was to, through this meeting, develop a solid first draft to move forward with. The group continued to review through the draft and Alan S. briefly explained each item as the group proceeded through the document.

The group began to discuss the section defining the existing resources of the Project. Steve Bell asked if the TWC's would be developing the information under that section. Alan S. explained that that section in particular would generally consist of information obtained from the ICD, and the TWC would most likely only review the data.

For clarification purposes, Bertina Floyd noted that it was her understanding that the group would develop a complete SMP to be filed with the FERC along with a more abbreviated booklet for the general public's understanding. David Hancock explained that the group has reviewed several ideas and noted that the SMP may change depending on what the FERC issues. David H. continued to note that the smaller booklet will most likely not be distributed until the FERC issues the new license.

The group continued to proceed through the document. Upon discussing the section on Cultural Resources, Tony Bebbler suggested that a statement be placed in the document that instructs an individual what to do if an artifact is found. The group continued to discuss the Cultural Resources component of the SMP and Bill Argentieri briefly explained what activities were being performed during Stage 2 surveys. When asked if this information was going to be shared in detail with the group, Bill A. replied that he would need to first discuss this with his cultural resources contact because there may be some legal issues with the release of the information.

There was some discussion on setbacks and buffer zones. It was explained that according to SCE&G definition, "setbacks" and "buffer zones" were used interchangeably. The group agreed

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT RCG

***SCE&G Training Center
April 26, 2006***

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that in order to cut down on the potential for confusion, that they would only use the term buffer zone, as it is the FERC definition. Tony B. suggested the SMP contain a sketch of the land classifications, including ESA's, Buffer Zones and Fringeland.

Bob Keener noted that other than aquatic vegetation, there may be a need to address the vegetation that grows in previously water covered areas during drawdowns. Tommy Boozer replied that during an extended drawdown they allow individuals to remove the vegetation from around their docks.

After lunch the group began to discuss the prohibited activities section of the SMP strawman. Tommy B. noted that he would work to develop a list of prohibited activities to add to the strawman. Tony B. suggested the group include a list of activities that are not allowed in the buffer zone, in particular, as well. Alan S. noted that one important overarching component would be education and the group began to discuss ideas on this issue in more detail. Alan S. pointed out that the education program included in the SMP would most likely be very broad so that there was not the need to continue to update the SMP as things changed. Tommy B. agreed, and noted that the more specific items would probably be discussed in the small booklet and/or addressed on the website.

The group briefly discussed the cost of implementing the SMP and Steve Bell noted that he felt as though the property owners were paying the bill. David H. explained that what was received through permitting fees did not cover near all of the expenses that SCE&G accrues in implementing the SMP. Tommy B. added that it is going to take additional staff to manage Lake Murray with the new criteria implemented through relicensing.

Steve B. pointed out that public communications may be an important component to place in the SMP and suggested the development of communications protocol. Tommy B. noted that information could also be disseminated through the homeowner groups. Roy Parker noted that currently the LMA is engaged in an education effort to inform individuals on the proper fertilization techniques for centipede lawns. Alan S. suggested addressing the education issue in a "public outreach and communication" section of the SMP.

The group concluded discussions on the draft document and Alan S. explained that this document was still a draft and there was still opportunity for revisions. The group agreed that they were happy with the draft outline. The group discussed placing text to the outline and Tony B. suggested that after the TWC has placed text to 2 or 3 sections, that it be brought back to the RCG for review. Tommy B. also suggested that the group begin by reviewing what has been done with other projects and noted that many utilities have a quarterly newsletter that they issue. Alan S. suggested that at

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
April 26, 2006**

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the next RCG meeting it may be helpful to have a presentation on what other utilities around the country are doing as far as public outreach.

The group concluded the meeting and agreed that they were pleased with the changes made to the draft SMP outline. The next meeting was scheduled for August 22, 2006.

Draft SMP outline with group incorporated changes attached below:

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
LAKE MURRAY SHORELINE MANAGEMENT PLAN
APRIL 2006 (REVISED 4/26/06)**

Executive Summary

- 1.0 Introduction
- 2.0 Purpose and Scope of the Shoreline Management Plan
- 3.0 Shoreline Management Plan Goals and Objectives
 - 3.1 Consultation
- 4.0 Inventory of Existing Resources
 - 4.1 Soils and Geology
 - 4.2 Water Quality
 - 4.2.1 Water Quality Standards
 - 4.3 Aquatic Resources
 - 4.4 Terrestrial Resources
 - 4.5 Threatened and Endangered Species
 - 4.6 Land Use and Aesthetics [Re-number from here to end]
 - 4.6 Cultural Resources
 - 4.7 Recreation Facilities (include informal areas such as SCE&G owned islands, impromptu, etc.)
 - 4.7.1 Lake Murray
 - 4.7.1.1 Private
 - 4.7.1.2 Public
 - 4.7.1.3 Commercial

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
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- 4.7.2 Lower Saluda River
 - 4.7.2.1 Public
- 4.8 Recreation Use
 - 4.8.1 Fishing
 - 4.8.2 Public Hunting
 - 4.8.3 Boating
 - 4.8.3.1 Sailboats
 - 4.8.3.2 Jet skis
 - 4.8.3.3 Motor Boats
 - 4.8.3.4 Kayaking
 - 4.8.4 Other
 - Hiking
 - bird watching
 - sunbathing
 - picnicking
 - hunting
 - (Obtain other activities from Recreation Survey)**
- 7.0 Land Use Classifications
 - 7.1 Definitions
 - 7.2 Forest and Game Management
 - 7.3 Future Development
 - 7.4 Buffer Zone
 - 7.5 Recreation
 - 7.6 ESA
 - 7.7 Conservation Area
 - 7.8 Project Operations
 - 7.9 Easement
- 8.0 New Shoreline Facilities or Activities Evaluation Process
 - 8.1 Shoreline Management Guidelines for Project Lands
 - 8.1.1 Residential
 - 8.1.1.1 Permitting
 - 8.1.2 Commercial
 - 8.1.2.1 Permitting
 - 8.1 Buffer Zone Management **[Re-number from here to end of section]**
 - 8.1.1 Limited Brushing Below 360 El.
 - 8.1.2 Re-vegetation of Disturbed Areas

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
April 26, 2006**

Final ACG 6-22-06

- 8.1.3 Activities impacting buffer zones
- 8.2 ESA Identification and Management
 - 8.2.1 Woody Debris & Stump Management
 - 8.2.2 Shoreline Vegetation Management
- 8.3 Erosion and Sedimentation
 - 8.3.1 Excavation Activities
- 8.4 Shoreline Permitting Program
 - 8.4.1 Shoreline Permitting (docks, boat lifts, etc.)
 - 8.4.2 Multi-slip (public & private)
- 9.0 PROHIBITED ACTIVITIES
 - 9.1 Moorings
 - 9.2 Encroachments
 - 9.3 Boat Discharges
 - 9.4 ATV (motorized vehicles) below the 360 elevation
 - 9.5 List of what is not allowed and list of what is not allowed without a permit.
 - 9.6 Address restriction of Bomb Island during Purple Martin roosting period.
- 10.0 Water Management Activities
 - 10.1 Residential & commercial water withdrawals
- 11.0 Aquatic Plant Management Activities
- 11.0 BEST MANAGEMENT PRACTICES AND PUBLIC EDUCATION
 - 11.1 Shoreline Enhancement Program
 - 11.2 Public access area maps
 - 11.3 Non-point source discharge
 - 11.4 Public Service Announcements (PSA)
 - 11.5 Safety Programs
 - 11.5.1 Lake Murray
 - 11.5.2 Lower Saluda River
- 14.0 SCE&G PERMITTING FEE POLICIES
- 15.0 MONITORING AND ENFORCEMENT OF SHORELINE MANAGEMENT PLAN
 - 15.1 Overall Land Use Monitoring
- 16.0 PUBLIC OUTREACH AND COMMUNICATION

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

***SCE&G Training Center
April 26, 2006***

Final ACG 6-22-06

16.1 Dispute resolution

17.0 REVIEW PROCESS

17.1 Review Process

Kacie Jensen

From: Bill Mathias [bill25@sc.rr.com]
Sent: Wednesday, June 21, 2006 9:44 PM
To: Alison Guth
Cc: Bill Mathias
Subject: Re: Lake and Land Draft Notes

I have two changes/suggestions.

1. On page 5 of 9, the first line of the second paragraph under the heading of "Lake Murray Excavations" states "your property." All documents included in the relicensing process should be written in the third person plural, except where an individual is expressing a personal opinion.
2. In paragraph labeled #3 under the above heading, the following terminology is used, "recordable plat." I think a better wording would be "a certified copy of a plat duly recorded at the appropriate county courthouse."

Bill

----- Original Message -----

From: [Alison Guth](#)
To: [Tom Eppink](#) ; [Van Hoffman](#) ; [Alan Stuart](#) ; [Alison Guth](#) ; [Amanda Hill](#) ; [Bill Argentieri](#) ; [David Hancock](#) ; [Dick Christie](#) ; [Joy Downs](#) ; [Randy Mahan](#) ; [Rhett Bickley](#) ; [Ron Ahle](#) ; [Ronald Scott](#) ; [Roy Parker](#) ; [Steve Bell](#) ; [Tom Ruple](#) ; [Tommy Boozer](#) ; [Tony Bebber](#)
Cc: [Andy Miller](#) ; [Bertina Floyd](#) ; [Bill Cutler](#) ; [Bill East](#) ; [Bill Marshall](#) ; [Bill Mathias](#) ; btrump@scana.com ; [Charlie Compton](#) ; [Charlie Rentz](#) ; [Chris Page](#) ; [Daniel Tufford](#) ; [David Allen](#) ; [Don Tyler](#) ; [George Duke](#) ; [Gerrit Jobsis \(American Rivers\)](#) ; [Hank McKellar](#) ; [Irvin Pitts \(ipitts@scprt.com\)](mailto:ipitts@scprt.com) ; [Jennifer O'Rourke](#) ; [John Oswald](#) ; [Kim Westbury](#) ; [Kit Oswald](#) ; [Larry Turner \(turnerle@dhec.sc.gov\)](mailto:turnerle@dhec.sc.gov) ; [Laura Boos \(laura.mccary@gmail.com\)](mailto:laura.mccary@gmail.com) ; [Linda Lester](#) ; [Mark Leao](#) ; [Mary Kelly](#) ; [Michael Murrell](#) ; [Mike Duffy](#) ; [Mike Summer \(msummer@scana.com\)](mailto:msummer@scana.com) ; [Mike Waddell](#) ; [Parkin Hunter](#) ; [Patricia Wendling](#) ; [Patrick Moore](#) ; [Ralph Crafton](#) ; [Randal Shealy](#) ; [Richard Kidder](#) ; [Robert Keener \(SKEENER@sc.rr.com\)](mailto:SKEENER@sc.rr.com) ; ryanity@scana.com ; [Suzanne Rhodes](#) ; [Theresa Powers \(tpowers@newberrycounty.net\)](#) ; [Tim Flach](#) ; [Tom Brooks](#)
Sent: Wednesday, June 21, 2006 4:47 PM
Subject: Lake and Land Draft Notes

Hello All,

Attached are the draft meeting notes from the June 15 Lake and Land Management TWC. Please have any comments or changes back to my by July 5th. Thanks, Alison

<<2006-6-15 draft Meeting Minutes - LLM TWC.doc>>

[Alison Guth](#)
[Licensing Coordinator](#)
[Kleinschmidt Associates](#)
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No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.1.394 / Virus Database: 268.9.1/369 - Release Date: 6/19/2006

Kacie Jensen

From: Alison Guth
Sent: Wednesday, June 21, 2006 4:48 PM
To: 'Tom Eppink'; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Lake and Land Draft Notes

Hello All,

Attached are the draft meeting notes from the June 15 Lake and Land Management TWC. Please have any comments or changes back to my by July 5th. Thanks, Alison



2006-6-15 draft
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
June 15, 2006**

Draft ACG 6-21-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Steve Bell, LW

Bill Argentieri, SCE&G
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Randy Mahan – SCANA Services
Bill Mathias – LMA and LMPS
Tom Eppink – SCANA Services

DATE: June 15, 2006

HOMEWORK ITEMS:

- Ron Ahle – to send Tommy Boozer and David Hancock Bank Erodability Index

DATE OF NEXT MEETING: July 12, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and noted that the group was working toward wrapping up the bank stabilization criteria. He explained that Tommy Boozer had an example to show the group on a checklist for bank stabilization. This was a homework item assigned to Boozer and David Hancock at a previous meeting. Boozer noted that the example handed out was developed for another lake, however, they would take the format and apply it to Lake Murray.

The group reviewed the example document. Ron Ahle made the suggestion of including a bank erodability index. He further explained that there is a formula that looks at the measurements of the bank itself and calculates the erodability index. Ahle noted that he would research the index and bring the information back to the group. Boozer asked that Ahle send it to them so that they could begin to review it. He also noted that in most cases the erodability index was something that the contractor would determine.

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

The group moved to discussions on excavations and reviewed the current criteria. Hancock explained that currently the maximum amount they allow to be excavated is 150 cubic yards. He further explained that typically the average excavation increases depth 2 to 4 feet around the dock. Hancock noted that they typically try to get the docks to the 352' to 351' elevation. Ahle suggested using the LIDAR information to assist contractors in determining elevations.

The group decided that it would proceed by developing a list of Benefits and Impacts of excavations. The group developed the list below

Benefits:

- Improved Access
- Boating, Swimming, Fishing
- Happy Individuals
- Removes Loose Sediment
- \$\$\$ to homeowner
- Small scale

Impacts:

- Undeveloped area disturbance
- Disturbed fish spawning habitat
- Bank stabilization issues, vegetation impacts
- Alters cove water patterns
- Littoral zone alterations
- Boat traffic

Stuart asked the group if there was a safety component to be considered under the Benefits or the Impacts. There were different opinions expressed on whether excavations provided an increase in safety or had an impact to safety. The group continued to discuss the Benefits vs. the Impacts to excavations and Hancock pointed out that there was an issue of sand build up in the Lexington side of the Lake, and if excavations were not allowed, those areas would fill in.

Dick Christie noted, that from an ecological perspective, during excavations you are, in effect, taking a highly productive littoral zone and changing it to a less productive classification. Christie continued to explain that the littoral zone was important in that it is where spawning occurs, where reptiles and amphibians spend much of their time, where wading birds feed.

Once the group had concluded discussions on the Benefits and Impacts of excavations, the group then again began to review the current criteria. It was decided that excavations would take place below the 354' elevation unless otherwise approved by SCE&G in consultation with SCDNR. Boozer asked the group what would happen if an individual applied for a Corps permit that was above the 354' elevation in a site that is not appropriate for excavation above the 354', and should SCE&G object to it. Ahle noted that as well as SCE&G objecting to it, SCDNR would also object to it as it is not consistent with SCE&G's Shoreline Management Plan (SMP). Steve Bell asked what conditions are considered for allowing excavations to occur above the 354'. Ahle replied that the key is if there are significant ecological resources at the location. Hancock noted that currently

Saluda Hydro Relicensing Lake and Land Management Technical Working Committee

if they have a site that is questionable that they do call SCDNR, and that they are not going to approve an excavation that the DNR does not approve. Ahle noted that, at the same time, they recognize that individuals need to have access to the Lake and that they will try to work with homeowners to the extent possible.

The group continued the interactive discussion and made changes to the document accordingly (Lake Murray Excavation document with changes attached below). After concluding discussion on this topic, Hancock reviewed the application with the group. The group did not pose any changes to the application and the group moved on to discuss Private Docks.

Boozer began this discussion by giving a presentation and a brief history of the SMP as it relates to private docks to the group. It was noted that since 1978 there has been an increase of about 5000 structures on the Lake, from the recorded 4,000 in the 1978 inventory. Boozer further noted that everything that was inventoried prior to the implementation of the SMP was grandfathered in, and that they have been working over the years with the homeowners to get those structures into compliance.

Boozer explained a little about the dock permitting process to the group and that SCE&G does have a standard dock that is allowed. As Boozer proceeded through the presentation the group reviewed the application together. In discussions on the vegetation agreement, it was noted that some changes will be made to include the new items decided upon in the group. It was noted that the group would review this document with the incorporated changes at the next meeting.

The group reviewed the dock diagram, and Boozer explained that the largest floating platform that SCE&G will permit is a 12' by 20'. Boozer further pointed out that they also only allow one boat lift per dock do to the large areas that boat lifts impact. He noted that SCE&G receives quite a few requests for jet ski lifts, and explained that he would like for this group to make a decision on how this should be handled in the future. Upon reviewing the slip type docks, Boozer noted that an individual had to have a minimum of 200 feet of shoreline to be eligible for this type of dock. He also noted that generally with this type of dock layout they require the boat lifts to be inside the slip.

Boozer concluded his presentation and noted that the next agenda item would be to review the General Requirements. Stuart asked the group if there were any issues with the dock permitting program as it currently exists. Bell replied that he would like to have more time to review the document with the other stakeholders that he represents. Boozer noted that as far as SCE&G is concerned, they feel comfortable with what is defined in the General Permit, however, they are open to discussion.

The group decided that they would briefly review the General Requirements, however they would leave the bulk of the discussion for the next meeting. A few concerns were brought up. Ahle noted he would like to see a deadline, such as 5 years, for dock applications for those lots who are eligible for a dock but have not yet applied for one. Hancock replied that there were not that many lots that have been guaranteed a dock and have not yet applied for it. He further noted that he did not see any benefit to placing a deadline in this instance because it would most likely promote a rush for permits that otherwise may not be applied for. Ahle replied that if there were not a large amount of

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

areas that have been guaranteed a dock then it was probably not a large concern, if it was a large amount, however, it may raise more concerns.

The group shortly discussed the situation involving individuals that own land behind areas classified as Forest and Game Management. Ahle noted that this was an important issue to consider with their discussions on reclassification. In discussions on common docks, Boozer suggested that the group change the ownership rules that an individual has to have 75 feet of shoreline and only 2 people are allowed to share a common dock, instead of 4. The group agreed to these changes

The group decided that at the next meeting they would continue these discussions on the General Requirements, as well as review a few items in the shoreline management plan booklet. The next meeting date was scheduled for July 12th.

Document revisions and Agenda attached below:

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

LAKE MURRAY EXCAVATIONS

At the time you applied for permission to excavate in front of your property at Lake Murray, you were advised of the Company's Shoreline Management Guidelines, and were requested to supply additional information required by the policy. If you are given approval by our Lake Management representative, it is imperative that the terms of the permit be adhered to, including the following requirements:

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3. A recordable plat of the applicant's and adjacent property owners' property that will be affected by proposed excavation must be furnished.
4. Lake Management Department must be notified prior to commencement of work.
5. All displaced soil must be taken off site or otherwise stabilized above the 360 foot contour in accordance with SCE&G requirements if in Richland, Saluda and Newberry Counties, and in accordance with recommendations of the Lexington County Sediment Control Representative if in Lexington County.
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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

12. All excavation must be completed by using the following equipment: (1) dragline; (2) track backhoe; or other equipment approved by Lake Management personnel.
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South Carolina Electric & Gas Company

Applicant

Project Representative

Street

Date

City, State, Zip Code

Revised 7/23/03

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

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Common docks ~~shall follow all of the guidelines described for private docks. Common docks may be permitted~~ for two residential lots. Each property owner participating in a common dock must have a minimum of ~~75~~ feet along the 360 contour.

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Purpose:

To Develop Draft Criteria on Excavations for Inclusion in the Shoreline Management Plan. To Discuss and Review Criteria for Residential Dock Permits

Logistics:

Where: Lake Murray Training Center

When: June 15, 2006

Time: 9:30 AM to 3:00 PM

Meeting Agenda:

- **9:30 to 10:30** Begin Discussions on Criteria For Excavations
 - **10:30 to 10:40** **Break**
 - **10:40 to 11:30** Continued Discussion on Excavations and the Development of Draft Criteria to be Presented to the RCG
 - **11:30 to 12:00** **Lunch**
 - **12:00 to 12:30** Presentation on Docks – *Tommy Boozer and David Hancock*
 - **12:30 to 2:45** Development of Draft Criteria on Residential Dock Permits to be Presented to the RCG
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Meeting
 Next
- Adjourn

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Kacie Jensen

From: Alison Guth
Sent: Friday, June 16, 2006 1:29 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Subject: Documents with Group Edits

Hello TWC,

Attached are the two documents that we made edits to during our Lake and Land TWC meeting yesterday. Please come prepared to discuss the General Requirements at our next TWC meeting. Thanks, Alison



DH Excavation DH GENERAL
Form Document gr...QUIREMENTS June

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183



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Project Representative

Street

Date

City, State, Zip Code

Revised 7/23/03

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Kacie Jensen

From: Alison Guth
Sent: Wednesday, June 14, 2006 4:11 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Draft Meeting Notes from 5/26

Hello All,

Attached is the Draft meeting notes from our Lake and Land TWC meeting on 5-26. Please have all edits back to me by June 28. Thanks so much, Alison



2006-5-26 draft
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Draft ACG 6-14-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Roy Parker, LMA

Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Amanda Hill, USFWS
Dick Christie, SCDNR

DATE: May 26, 2006

HOMEWORK ITEMS:

- Develop Erosion Evaluation Form – Tommy Boozer and David Hancock

DATE OF NEXT MEETING: June 15, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and welcomed the group. He noted that the first item would be discuss the edits to the bank stabilization criteria. David Hancock and Tommy Boozer explained that they would like that a permit be obtained from the Corps for any riprapping projects exceeding 1000 feet in length. There was some discussion on this issue. Ron Ahle made the suggestion that the homeowner be required to obtain a permit for riprapping exceeding 500 or have the option of bioengineering the bank for any lengths above 500 feet in lieu of obtaining the permit. Ahle also noted that it was an opportunity to encourage people to employ bioengineering techniques. Stuart asked, in the past few years, how many applications exceeding 500 feet are typically received by SCE&G. Tommy Boozer replied that there had only been a few. After continued discussion on this issue, the group decided to proceed with Ron Ahle's presentation on bioengineering before a decision was made.

MEETING NOTES

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SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

Draft ACG 6-14-06

Ahle began the presentation and noted that the purpose was to provide education on the various bioengineering techniques that are available. He noted that a goal would be to provide stabilization along with a vegetated shoreline and wildlife habitat. He explained that it was important to educate the public that there are other ways to stabilize the shoreline naturally. He noted that an education program could also inform people on where bioengineering supplies would be available and who was able to do the work.

After Ahle presented a few examples of bank erosion, Roy Parker noted that he had observed, on bomb island, that although there is vegetation and trees it continues to severely erode. Ahle noted that he would address this later in his presentation.

Ahle began his presentation with a discussion on live stakings and noted that they were the most appropriate for areas in the backs of coves. He explained that one important thing with live staking is that the downside of the staking has a sharp point and is at or below normal pool elevation. Ahle pointed out that the easiest and cheapest method for live staking is to use live cuttings. He also noted in his presentation that the homeowner could have the work done costing in the ranges of 1.50 to 3.50 a stake. Ahle explained that this method was applicable for escarpments that are less than 1 foot. Steve Bell asked if an individual has an escarpment that is less than one foot, would it be best to cut it out or fill it in. Ahle replied that it should probably be sloped back.

The next method of bioengineering that Ahle discussed was the installation of a Bio-log, with vegetation planted behind and around. Ahle noted that this method would not prevent the homeowner from being able to see the lake. Ahle explained that less desirable species would need to be weeded out when they began to come in. Ahle also explained that the plants used would be perennials. Dick Christie asked Ahle if the lake went down for a few years if some of the vegetation was drought hardy. Van Hoffman replied that it may have to be watered and Ahle also noted that he believed that you would still be able to maintain a good protected bank with vegetation during a drought.

There was some discussion on the bioengineering method of Contour Wattleing. Hancock expressed concern because many times in performing this bioengineering method the trees have to be taken out 40 to 50 feet back. Boozer also noted that he was concerned that if the bioengineering was made too difficult, many people are not going to want to do it. Ahle explained that Contour Wattleing was probably not the most recommended method for bioengineering.

Parker pointed out that there are some individuals who like the look of riprap. Ahle noted that if people become used to seeing the natural shoreline they many begin to like that better. Rhett Bickley noted that the increased vegetation would also benefit water quality that may be an

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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May 26, 2006**

Draft ACG 6-14-06

incentive to some. Ahle explained that he believed that one important key is that options are available to allow the homeowner to choose what is best for them.

Ahle went on to explain a few more options for bioengineering. Ahle discussed live facine but noted that it was probably not the best solution for the private property owner. He noted that brush layering was another option for steeper slopes. He explained that with this method notches are cut into the slope at angles. Ahle began to describe Brush Mattresses that are secured with wire lacing and grow thick. Ahle noted that one of the drawbacks of this method is that it tends to be very expensive.

Ahle noted that vegetated rip rap is another option for bioengineering. He explained that some plants that might grow well among riprap are swamp mallow and hibiscus. Ahle pointed out that vegetated rip-rap may be a transition if an individual is insistent on riprap.

The group went on to discuss what could be done on severely eroded banks. Ahle explained that the bioengineering technique for this circumstance is a vegetated gabion wall which uses rock baskets with plantings. He noted that a similar vegetated gabion mattress is used for a less steep slope. Hancock pointed out that one drawback to a gabion was that the Lake may eventually break it up. Ahle also explained a vegetated crib wall to the group. He concluded his presentation by explaining what is called A-Jacks, interlocking structures that allow plants to grow in between.

Amanda Hill noted that on different slopes that different methodologies worked better. She noted that it would be helpful to show the slope calculations along with the best associated bank stabilization techniques. Ahle noted that one helpful thing that SCE&G could do to promote bioengineering was to buy Bio-logs wholesale and provide them wholesale to homeowners.

The group began to discuss the options for bioengineering and Boozer explained to the group that typically, individuals who buy a piece of property cannot do everything at one time financially. He continued to note that they typically do it in phases, get the boat dock first, then look into stabilization at a later date. Hill added that when the individuals do come to SCE&G for a boat dock, that is when SCE&G should give them a consultation on options available for the future, in terms of stabilization and such. Stuart suggested having a pamphlet on bank stabilization available in those circumstances. Boozer also suggested using areas in the public parks to give examples of bioengineering. Ahle and Hill agreed that that would be a good idea. Ahle added that the cabins in front of Dreher Island would be a good place to set up one of the examples.

The group then began to discuss the topic of receiving a Corps permit for 1000 ft or rip-rap or the suggested 500 feet of rip rap. Boozer suggested that if the riprap request was over 500 feet then it be reviewed by the USFWS and SCDNR. Ahle and Hill agreed. Boozer also noted that they would

MEETING NOTES

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LAKE AND LAND MANAGEMENT TWC**

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May 26, 2006**

Draft ACG 6-14-06

take the first shot at the development of an Erosion Evaluation Form that would be included in the SCE&G application packet. Hill noted that instead of having a box in the application form that asks if the homeowner is interested in riprap, to have a box that asks if the homeowner is interested in bank stabilization, under which the different forms of stabilization could be listed, including bioengineering.

After lunch the group began their discussion on limbing and Hancock gave a presentation to the group that he had prepared on this topic. In his presentation, Hancock proposed that trees may be limbed if they have a minimum DBH of 6" and a minimum height of 20'. He noted in his proposal that an individual can only limb up to 8' in height. Hancock further noted that they would not allow the limbing of willow trees, only pine, oak, sweet gum, and maple. Christie noted that without the proper knowledge and tools, DBH may be difficult of the average person to decipher. Christie went on to suggest that circumference be listed as well, in parenthesis. The group agreed to the limbing proposal and concluded the meeting. It was noted that at the next meeting the group would discuss excavations and Hancock passed out the excavation packet for review prior to the meeting. The next meeting date was set for June 15th at 9:30 at the Lake Murray Training Center.

Shoreline Stabilization Memo edits attached below:

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06

Subject: Straw-man for **Shoreline** Stabilization Criteria

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Criteria for Shoreline Stabilization Permits [Provide good diagrams]

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All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

Develop slope criteria matrix similar to what Ron provided at May 26 TWC.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

SCE&G Training Center
May 26, 2006

Draft ACG 6-14-06

Provide a description or definition of bioengineering

Include an erosion evaluation form in the application package (SCE&G will develop this)

1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP (including maintaining structures in good repair). This responsibility transfers automatically along with ownership.

5) All shoreline stabilization activities must comply with all local, state, and federal regulations, if applicable. Prior to beginning any activity/construction within the high water mark (360-foot elevation), the applicant must obtain all necessary governmental permits or approvals, and written authorization from SCE&G Lake Management, *especially for any stabilization activities associated with native aquatic plants. Stop sentence here. such as water willow beds.*

6) Consultation with SCDNR and USFWS will be required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

7) In order to protect aquatic resources shoreline stabilization activities shall typically be performed when water elevation is below work area. When water elevation is above the work area.

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MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

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May 26, 2006

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critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, shoreline vegetation and other natural resources.

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8) Riprap material must be SCDOT Class B or larger quarry-run stone, natural stone, or other material approved by SCE&G. Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.

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9) Minimal clearing below the high water mark (360-foot elevation) is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.

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10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. Any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the high water mark (360-foot elevation) in vegetated areas must be limited to one layer deep to allow spaces between the stone for vegetation recruitment.

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques are always the preferred method for shoreline stabilization. However, approved bioengineering techniques are generally required for eroded banks of two feet or less of erosional scarp. Approved bioengineering and/or vegetated riprap techniques are preferred for eroded banks exceeding two feet of erosional scarp. (Figure for examples of acceptable bioengineering and vegetated rip-rap techniques).

Comment: Add to glossary

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation) except where the entire placement is on above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 26, 2006**

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14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth, bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.
- Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.
- Cancellation of all current shoreline permits and loss of consideration for future shoreline permits

**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

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Kacie Jensen

Subject: Lake and Land Management TWC
Location: Lake Murray Training Center

Start: Thu 6/15/2006 9:30 AM
End: Thu 6/15/2006 3:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake & Land Mgt TWC

Hello All,

Just a reminder that there is a Lake and Land Management TWC Meeting scheduled for Thursday, June 15th at 9:30 at the Lake Murray Training Center. We are scheduled to discuss excavations, as well as begin discussion on docks. Before our meeting, please review the packet that David Hancock distributed on excavations. Also, if you plan on attending, please let me know by Monday. Thanks! Alison



Lake and Land
anagement TWC A..

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Purpose:

To Develop Draft Criteria on Excavations for Inclusion in the Shoreline Management Plan.
To Discuss and Review Criteria for Residential Dock Permits

Logistics:

Where: Lake Murray Training Center
When: June 15, 2006
Time: 9:30 AM to 3:00 PM

Meeting Agenda:

- **9:30 to 10:30** Begin Discussions on Criteria For Excavations
 - **10:30 to 10:40** **Break**
 - **10:40 to 11:30** Continued Discussion on Excavations and the Development of Draft Criteria to be Presented to the RCG
 - **11:30 to 12:00** **Lunch**
 - **12:00 to 12:30** Presentation on Docks – *Tommy Boozer and David Hancock*
 - **12:30 to 2:45** Development of Draft Criteria on Residential Dock Permits to be Presented to the RCG
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn

From: Alison Guth
Sent: Tuesday, June 06, 2006 2:30 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Lake and Land TWC Notes - May 8
Hello All

Attached are the Final meeting notes from the May 8 Lake and Land Management TWC. Thank you for all the comments. Alison



2006-5-8 final
Meeting Minutes...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 8, 2006**

Final ACG 6-6-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Joy Downs, LMA

Bill Argentieri, SCE&G
Tony Bebbler, SCPRT
Rhett Bickley, Lexington County
Van Hoffman, SCE&G
Randy Mahan, SCANA Services

DATE: May 8, 2006

HOMEWORK ITEMS:

- Distribute draft Shoreline Stabilization document for additional review – Alison Guth
- Internet Search on bioengineering methods and who is performing these activities – Ron Ahle
- Draft section on Limbing for inclusion in the Limited Brushing section of the SMP – Tommy Boozer and David Hancock
- Develop spreadsheet of each SMP issue and note changes and dates of changes made for each issue.
Alan Stuart

DATE OF NEXT MEETING: May 26, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and reviewed the Lake and Land Management RCG Mission Statement with the group. He noted that as specified in the mission statement it was the group's responsibility to develop the criteria for the Shoreline Management Plan. Alan also briefly reviewed the Priority Issues that were identified at the February 9th RCG meeting. Steve Bell noted that he agreed that the Priority Issues cover the basic issues that need to be discussed in the group. Steve B. also expressed interest in developing a report on how each issue is being addressed. Ron

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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Final ACG 6-6-06

Ahle suggested developing a spreadsheet similar to what was developed for the Catawba Wateree Relicensings. He noted that the spreadsheet had the dates of changes made, and how issues were handled. Alan S. noted that he would work on developing a spreadsheet and everyone agreed it would be helpful.

Van Hoffman then began to give a presentation on a proposed land exchange between an individual (Dr. Fairey) and SCE&G. He noted that this was in reference to a tract of land on the Saluda River where Dr. Fairey owned down to the river. Van H. explained that due to releases from Lake Greenwood, parts of Dr. Fairey's property would flood, making it a good area for the management of waterfowl. Van explained that there was a small piece of property that was owned by SCE&G, however it was not easily accessible by the public without trespassing. Van H. noted that they had originally informed Dr. Fairey that they were not currently selling any fringeland due to the relicensing. However, Van noted that after some consideration SCE&G has proposed that they would entertain the idea of conveying him the tract of SCE&G property with a conservation easement for a 150 foot wide buffer along the water in fee title. Van H. explained that SCE&G feels that this is a win-win situation, which will, among other things, be beneficial for the waterfowl. Van H. continued to explain that they have not yet submitted their application to FERC and wanted to explain the situation to the group. Ron Ahle agreed that a big benefit from this transaction would be the assurance that the large trees along the water front would remain intact. He however expressed concern that a 150 foot wide strip would not be wide enough if all of the trees were cleared behind it or that a conservation easement could not be placed on the entire property. Van explained that they viewed this as the best option as they currently only own flowage rights on the property, he noted that he had originally wanted a 250 foot buffer, however they were only able to negotiate a 150 foot wide strip which equates to about 22 acres. Randy noted that there was a great deal of negotiation behind the proposal, in which conservation easements were thoroughly discussed.

Ron A. noted that when the request is submitted to the FERC, and it goes out on notice, that he is probably going to recommend that some areas be kept for public use, as Dr. Fairey is going to continue to reserve some spaces for his own use. He also noted that he would recommend that an additional 300 ft buffer be placed in a conservation easement behind the 150 ft strip to an organization such as the Congaree Land Trust.

The group then briefly reviewed the topic of limited brushing that was discussed in the previous Lake and Land TWC. Ron A. mentioned that one item that he realized was not discussed was the topic of limbing. He explained that below the 360 individuals are not allowed to cut and noted that possibly the limbing on desired species can be prohibited, or allowed only at a certain plant size. Rhett Bickley explained that there were advantages to the limbing of certain species. After some discussion, the group decided that there was the need for a separate section in the limited brushing

MEETING NOTES

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Final ACG 6-6-06

document that addresses limbing. Tommy Boozer noted that they would develop a strawman section on this issue for the limited brushing document.

As a homework item from the last TWC meeting, the group began to review bank stabilization guidelines from the Corps and TVA. Tommy B. noted that in general the TVA does a better job explaining the options for shoreline stabilization. Steve Bell mentioned that he intended to call TVA and would discuss what their preferred method of stabilization was with them. In looking at guidelines distributed by TVA, the group viewed diagrams that illustrated examples of bank stabilization, and thought it a good idea to have similar diagrams in the version that they developed

The group then began to discuss the strawman that Ron Ahle developed for shoreline stabilization. Ron also suggested that it may be beneficial to the group to have Larry Dyck present a few examples on bank stabilization to the group, as he was very knowledgeable on this topic. Tommy Boozer also suggested Gene Hayes as a possible presenter. However, the group decided that initially Ron A. would begin this task by performing an internet search on bioengineering on shores and compile a list on who is performing these activities and what is being done.

The group began to discuss ideas on shoreline stabilization and interactively made changes to the strawman document. Tommy B. noted that it may be beneficial to include a section in the document that specified where one can purchase stabilization materials, as well as who will perform the work. Tommy B. also explained to the group that although they generally do not permit seawalls, there are a few situations where they are appropriate. Ron Ahle agreed that some wording may be placed in the plan that indicated that seawalls were permitted on a case to case basis.

After lunch the group continued to go through the draft version of Shoreline Stabilization criteria. David Hancock noted that they have come across situations where individuals want to add to existing rip-rap and he questioned whether another permit would be needed to accomplish that. Ron A. replied that if there is already an existing permit in place for a designated area that a new permit would most likely not be needed if they stay within the designated area.

The group began to discuss if there was a need for an offset between bank stabilization activities and an ESA. Ron A. noted that Duke had put in place a requirement of a 50 foot offset between an ESA and shoreline stabilization projects. Tommy B. noted that generally this should not be a concern due to the fact that the majority of ESA's around the lake are in shallow cove areas or in the backs of coves where there is no need for stabilization. Ron A. noted that his intention in this was to target areas with gentle slopes and aquatic vegetation. Although it was noted that this was generally not going to be an issue the group placed it in the plan for consideration.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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May 8, 2006*

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The group continued to discuss items from the draft plan. There was discussion on the applicant obtaining permits from appropriate local, state and federal agencies and these items were put into the parking lot.

The group continued through the document and made changes where needed (document with changes attached below). At the conclusion of the meeting Alison Guth noted that she would distribute the document by email once more before the next meeting, when they would finalize the draft document. After briefly reviewing the homework items the group noted that they would meet again on the 26th of May at 9:30.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC

SCE&G Training Center
May 8, 2006

Final ACG 6-6-06

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06
Subject: Straw-man for Shoreline Stabilization Criteria

Criteria for Shoreline Stabilization Permits *[Provide good diagrams]*

1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP

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(including maintaining structures in good repair). This responsibility transfers automatically along with ownership.

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Comment: Hold for future discussions. Place in Parking Lot. Might need to be placed in SMP general comments.

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6) An individual permit from the US Army Corps of Engineers in South Carolina is required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

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7) In order to protect aquatic resources typically all shoreline stabilization activities shall be performed when water elevation is below work area. When water elevation is above the work area, critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, and other natural resources.

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques and enhanced riprap techniques shall be required for eroded banks less than one foot and recommended for eroded banks up to two feet. (Figure for examples of acceptable enhanced rip-rap techniques).

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation), except where the entire placement is above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth, bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.

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*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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- Cancellation of all current shoreline permits and loss of consideration for future shoreline permits

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**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

From: Alison Guth
Sent: Thursday, June 22, 2006 12:54 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Oswald ; Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbler
Subject: Final Lake and Land RCG notes
Hello all,

Attached is the final set of meeting notes from the April 26 Lake and Land RCG. Thank you for all your comments. Alison



2006-4-26 Final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
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West Columbia, SC 29170
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F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RCG**

**SCE&G Training Center
April 26, 2006**

Final ACG 6-22-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
John Oswald, Century 21
Kit Oswald, Century 21
Bill Argentieri, SCE&G
Van Hoffman, SCE&G
Don Tyler, LMA, LMHOC
Roy Parker, LMA

Dan Tufford, USC
Mike Murrell, LMA
Bertina Floyd, LMHOC
Richard Kidder, LMA, LMSCA
Bob Keener, LMA, LMSCA
Tony Bebbler, SCPRT
Jenn O'Rourke, SC Wildlife Federation
John S Frick, landowners
Bill Mathias, LMA, LMPS
Tom Ruple, LMA
Ron Scott, Lexington County

DATE: April 26, 2006

AGENDA ITEMS:

- Alan Stuart suggested a presentation on what other utilities are doing as far as public outreach. – Alan Stuart

HOMEWORK ITEMS:

None

DATE OF NEXT MEETING: August 22, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart began the meeting and the group progressed through introductions. Before beginning the first item on the agenda, Alan S. briefly reviewed the mission statement with the group. As an introductory item, Alan S. updated the Resource Conservation Group (RCG) as to the progress of the Technical Working Committee (TWC). He explained that the TWC has developed the first draft of a Buffer Zone and Woody Debris Management Plan. Alan S. added that the TWC has

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discussed limited brushing, as well, and has come to a few conclusions regarding that issue. When asked the status of the request for a Total Build-Out, Study Alan S. replied that Randy Mahan was currently looking into it. Don Tyler explained that he viewed the real value of a build-out study as providing key information that can be applied to land management policies.

There was some discussion on land reclassification. Alan S. explained that land reclassification was one of the last items that the TWC would discuss. One individual expressed concern about areas that were categorized as forest and game management areas. He noted that some of the areas are too small to actually be hunted or provide benefit for recreation and wildlife. Ron Ahle explained that although he would like for the most ideal land to be categorized as Forest and Game Management, that the smaller lands provided benefits other than hunting, which includes habitat for many smaller species.

Moving to the next item on the agenda, the group began to review the draft layout of the Shoreline Management Plan (SMP). Alan S. explained that his goal was to, through this meeting, develop a solid first draft to move forward with. The group continued to review through the draft and Alan S. briefly explained each item as the group proceeded through the document.

The group began to discuss the section defining the existing resources of the Project. Steve Bell asked if the TWC's would be developing the information under that section. Alan S. explained that that section in particular would generally consist of information obtained from the ICD, and the TWC would most likely only review the data.

For clarification purposes, Bertina Floyd noted that it was her understanding that the group would develop a complete SMP to be filed with the FERC along with a more abbreviated booklet for the general public's understanding. David Hancock explained that the group has reviewed several ideas and noted that the SMP may change depending on what the FERC issues. David H. continued to note that the smaller booklet will most likely not be distributed until the FERC issues the new license.

The group continued to proceed through the document. Upon discussing the section on Cultural Resources, Tony Bebbler suggested that a statement be placed in the document that instructs an individual what to do if an artifact is found. The group continued to discuss the Cultural Resources component of the SMP and Bill Argentieri briefly explained what activities were being performed during Stage 2 surveys. When asked if this information was going to be shared in detail with the group, Bill A. replied that he would need to first discuss this with his cultural resources contact because there may be some legal issues with the release of the information.

There was some discussion on setbacks and buffer zones. It was explained that according to SCE&G definition, "setbacks" and "buffer zones" were used interchangeably. The group agreed

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that in order to cut down on the potential for confusion, that they would only use the term buffer zone, as it is the FERC definition. Tony B. suggested the SMP contain a sketch of the land classifications, including ESA's, Buffer Zones and Fringeland.

Bob Keener noted that other than aquatic vegetation, there may be a need to address the vegetation that grows in previously water covered areas during drawdowns. Tommy Boozer replied that during an extended drawdown they allow individuals to remove the vegetation from around their docks.

After lunch the group began to discuss the prohibited activities section of the SMP strawman. Tommy B. noted that he would work to develop a list of prohibited activities to add to the strawman. Tony B. suggested the group include a list of activities that are not allowed in the buffer zone, in particular, as well. Alan S. noted that one important overarching component would be education and the group began to discuss ideas on this issue in more detail. Alan S. pointed out that the education program included in the SMP would most likely be very broad so that there was not the need to continue to update the SMP as things changed. Tommy B. agreed, and noted that the more specific items would probably be discussed in the small booklet and/or addressed on the website.

The group briefly discussed the cost of implementing the SMP and Steve Bell noted that he felt as though the property owners were paying the bill. David H. explained that what was received through permitting fees did not cover near all of the expenses that SCE&G accrues in implementing the SMP. Tommy B. added that it is going to take additional staff to manage Lake Murray with the new criteria implemented through relicensing.

Steve B. pointed out that public communications may be an important component to place in the SMP and suggested the development of communications protocol. Tommy B. noted that information could also be disseminated through the homeowner groups. Roy Parker noted that currently the LMA is engaged in an education effort to inform individuals on the proper fertilization techniques for centipede lawns. Alan S. suggested addressing the education issue in a "public outreach and communication" section of the SMP.

The group concluded discussions on the draft document and Alan S. explained that this document was still a draft and there was still opportunity for revisions. The group agreed that they were happy with the draft outline. The group discussed placing text to the outline and Tony B. suggested that after the TWC has placed text to 2 or 3 sections, that it be brought back to the RCG for review. Tommy B. also suggested that the group begin by reviewing what has been done with other projects and noted that many utilities have a quarterly newsletter that they issue. Alan S. suggested that at

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the next RCG meeting it may be helpful to have a presentation on what other utilities around the country are doing as far as public outreach.

The group concluded the meeting and agreed that they were pleased with the changes made to the draft SMP outline. The next meeting was scheduled for August 22, 2006.

Draft SMP outline with group incorporated changes attached below:

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
LAKE MURRAY SHORELINE MANAGEMENT PLAN
APRIL 2006 (REVISED 4/26/06)**

Executive Summary

- 1.0 Introduction
- 2.0 Purpose and Scope of the Shoreline Management Plan
- 3.0 Shoreline Management Plan Goals and Objectives
 - 3.1 Consultation
- 4.0 Inventory of Existing Resources
 - 4.1 Soils and Geology
 - 4.2 Water Quality
 - 4.2.1 Water Quality Standards
 - 4.3 Aquatic Resources
 - 4.4 Terrestrial Resources
 - 4.5 Threatened and Endangered Species
 - 4.6 Land Use and Aesthetics [Re-number from here to end]
 - 4.6 Cultural Resources
 - 4.7 Recreation Facilities (include informal areas such as SCE&G owned islands, impromptu, etc.)
 - 4.7.1 Lake Murray
 - 4.7.1.1 Private
 - 4.7.1.2 Public
 - 4.7.1.3 Commercial

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**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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- 4.7.2 Lower Saluda River
 - 4.7.2.1 Public
- 4.8 Recreation Use
 - 4.8.1 Fishing
 - 4.8.2 Public Hunting
 - 4.8.3 Boating
 - 4.8.3.1 Sailboats
 - 4.8.3.2 Jet skis
 - 4.8.3.3 Motor Boats
 - 4.8.3.4 Kayaking
 - 4.8.4 Other
 - Hiking
 - bird watching
 - sunbathing
 - picnicking
 - hunting
 - (Obtain other activities from Recreation Survey)**
- 7.0 Land Use Classifications
 - 7.1 Definitions
 - 7.2 Forest and Game Management
 - 7.3 Future Development
 - 7.4 Buffer Zone
 - 7.5 Recreation
 - 7.6 ESA
 - 7.7 Conservation Area
 - 7.8 Project Operations
 - 7.9 Easement
- 8.0 New Shoreline Facilities or Activities Evaluation Process
 - 8.1 Shoreline Management Guidelines for Project Lands
 - 8.1.1 Residential
 - 8.1.1.1 Permitting
 - 8.1.2 Commercial
 - 8.1.2.1 Permitting
 - 8.1 Buffer Zone Management **[Re-number from here to end of section]**
 - 8.1.1 Limited Brushing Below 360 El.
 - 8.1.2 Re-vegetation of Disturbed Areas

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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- 8.1.3 Activities impacting buffer zones
- 8.2 ESA Identification and Management
 - 8.2.1 Woody Debris & Stump Management
 - 8.2.2 Shoreline Vegetation Management
- 8.3 Erosion and Sedimentation
 - 8.3.1 Excavation Activities
- 8.4 Shoreline Permitting Program
 - 8.4.1 Shoreline Permitting (docks, boat lifts, etc.)
 - 8.4.2 Multi-slip (public & private)
- 9.0 PROHIBITED ACTIVITIES
 - 9.1 Moorings
 - 9.2 Encroachments
 - 9.3 Boat Discharges
 - 9.4 ATV (motorized vehicles) below the 360 elevation
 - 9.5 List of what is not allowed and list of what is not allowed without a permit.
 - 9.6 Address restriction of Bomb Island during Purple Martin roosting period.
- 10.0 Water Management Activities
 - 10.1 Residential & commercial water withdrawals
- 11.0 Aquatic Plant Management Activities
- 11.0 BEST MANAGEMENT PRACTICES AND PUBLIC EDUCATION
 - 11.1 Shoreline Enhancement Program
 - 11.2 Public access area maps
 - 11.3 Non-point source discharge
 - 11.4 Public Service Announcements (PSA)
 - 11.5 Safety Programs
 - 11.5.1 Lake Murray
 - 11.5.2 Lower Saluda River
- 14.0 SCE&G PERMITTING FEE POLICIES
- 15.0 MONITORING AND ENFORCEMENT OF SHORELINE MANAGEMENT PLAN
 - 15.1 Overall Land Use Monitoring
- 16.0 PUBLIC OUTREACH AND COMMUNICATION

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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16.1 Dispute resolution

17.0 REVIEW PROCESS

17.1 Review Process

From: Alison Guth
Sent: Monday, May 22, 2006 3:58 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Roy Parker; ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Lake and Land Management TWC Notes
Hello all

Attached are the Final Lake and Land Management TWC Notes from April 25th. Thanks for all of the comments. Alison



2006-4-25 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Kacie Jensen

From: Alison Guth
Sent: Friday, May 19, 2006 4:22 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Roy Parker; ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: May 8, draft L&LM TWC Notes

Hello folks,

Attached are the draft Lake and Land Management TWC Notes from May 8th. Please have any comments back to me by June 2nd for finalization. Thanks! Alison



2006-5-8 draft
Meeting Minutes...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
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F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 8, 2006**

Draft ACG 5-19-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW
Joy Downs, LMA

Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Randy Mahan – SCANA Services

DATE: May 8, 2006

HOMEWORK ITEMS:

- Distribute draft Shoreline Stabilization document for additional review – Alison Guth
- Internet Search on bioengineering methods and who is performing these activities – Ron Ahle
- Draft section on Limbing for inclusion in the Limited Brushing section of the SMP – Tommy Boozer and David Hancock

DATE OF NEXT MEETING: May 26, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and reviewed the Lake and Land Management RCG Mission Statement with the group. He noted that as specified in the mission statement it was the group's responsibility to develop the criteria for the Shoreline Management Plan. Alan also briefly reviewed the Priority Issues that were identified at the February 9th RCG meeting. Steve Bell noted that he agreed that the Priority Issues cover the basic issues that need to be discussed in the group. Steve B. also expressed interest in developing a report on how each issue is being addressed. Ron Ahle suggested developing a spreadsheet similar to what was developed for the Catawba Wateree Relicensings. He noted that the spreadsheet had the dates of changes made, and how issues were

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**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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handled. Alan S. noted that would work on developing a spreadsheet and everyone agreed it would be helpful.

Van Hoffman then began to give a presentation on a proposed land exchange between an individual (Dr. Fairey) and SCE&G. He noted that this was in reference to a tract of land on the Saluda River where Dr. Fairey owned down to the river. Van H. explained that due to releases from Lake Greenwood, parts of Dr. Fairey's property would flood, making it a good area for the management of waterfowl. Van explained that there was a small piece of property that was owned by SCE&G, however it was not easily accessible by the public without trespassing. Van H. noted that they had originally informed Dr. Fairey that they were not currently selling any fringeland due to the relicensing. However, Van noted that after some consideration SCE&G has proposed that they would entertain the idea of conveying him the tract of SCE&G property with a conservation easement for a 150 foot wide buffer along the water in fee title. Van H. explained that SCE&G feels that this is a win-win situation, which will, among other things, be beneficial for the waterfowl. Van H. continued to explain that they have not yet submitted their application to FERC and wanted to explain the situation to the group. Ron Ahle agreed that a big benefit from this transaction would be the assurance that the large trees along the water front would remain intact. He however expressed concern that a 150 foot wide strip would not be wide enough if all of the trees were cleared behind it or that a conservation easement could not be placed on the entire property. Van explained that they viewed this as the best option as they currently only own flowage rights on the property, he noted that he had originally wanted a 250 foot buffer, however they were only able to negotiate a 150 foot wide strip which equates to about 22 acres. Randy noted that there was a great deal of negotiation behind the proposal, in which conservation easements were thoroughly discussed.

Ron A. noted that when the request is submitted to the FERC, and it goes out on notice, that he is probably going to recommend that some areas be kept for public use, as Dr. Fairey is going to continue to reserve some spaces for his own use. He also noted that he would recommend that an additional 300 ft buffer be placed in a conservation easement behind the 150 ft strip to an organization such as the Congaree Land Trust.

The group then briefly reviewed the topic of limited brushing that was discussed in the previous Lake and Land TWC. Ron A. mentioned that one item that he realized was not discussed was the topic of limbing. He explained that below the 360 individuals are not allowed to cut and noted that possibly the limbing on desired species can be prohibited, or allowed only at a certain plant size. Rhett Bickley explained that there were advantages to the limbing of certain species. After some discussion, the group decided that there was the need for a separate section in the limited brushing document that addresses limbing. Tommy Boozer noted that they would develop a strawman section on this issue for the limited brushing document.

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As a homework item from the last TWC meeting, the group began to review bank stabilization guidelines from the Corps and TVA. Tommy B. noted that in general the TVA does a better job explaining the options for shoreline stabilization. Steve Bell mentioned that he intended to call TVA and would discuss what their preferred method of stabilization was with them. In looking at guidelines distributed by TVA, the group viewed diagrams that illustrated examples of bank stabilization, and thought it a good idea to have similar diagrams in the version that they developed

The group then began to discuss the strawman that Ron Ahle developed for shoreline stabilization. Ron also suggested that it may be beneficial to the group to have Larry Dyck present a few examples on bank stabilization to the group, as he was very knowledgeable on this topic. Tommy Boozer also suggested Gene Hayes as a possible presenter. However, the group decided that initially Ron A. would begin this task by performing an internet search on bioengineering on shores and compile a list on who is performing these activities and what is being done.

The group began to discuss ideas on shoreline stabilization and interactively made changes to the strawman document. Tommy B. noted that it may be beneficial to include a section in the document that specified where one can purchase stabilization materials, as well as who will perform the work. Tommy B. also explained to the group that although they generally do not permit seawalls, there are a few situations where they are appropriate. Ron Ahle agreed that some wording may be placed in the plan that indicated that seawalls were permitted on a case to case basis.

After lunch the group continued to go through the draft version of Shoreline Stabilization criteria. David Hancock noted that they have come across situations where individuals want to add to existing rip-rap and he questioned whether another permit would be needed to accomplish that. Ron A. replied that if there is already an existing permit in place for a designated area that a new permit would most likely not be needed if they stay within the designated area.

The group began to discuss if there was a need for an offset between bank stabilization activities and an ESA. Ron A. noted that Duke had put in place a requirement of a 50 foot offset between an ESA and shoreline stabilization projects. Tommy B. noted that generally this should not be a concern due to the fact that the majority of ESA's around the lake are in shallow cove areas or in the backs of coves where there is no need for stabilization. Ron A. noted that his intention in this was to target areas with gentle slopes and aquatic vegetation. Although it was noted that this was generally not going to be an issue the group placed it in the plan for consideration.

The group continued to discuss items from the draft plan. There was discussion on the applicant obtaining permits from appropriate local, state and federal agencies and these items were put into the parking lot.

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SALUDA HYDRO PROJECT RELICENSING
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**SCE&G Training Center
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The group continued through the document and made changes where needed (document with changes attached below). At the conclusion of the meeting Alison Guth noted that she would distribute the document by email once more before the next meeting, when they would finalize the draft document. After briefly reviewing the homework items the group noted that they would meet again on the 26th of May at 9:30.

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SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)

From: Ron Ahle

Date: 5-05-06

Subject: Straw-man for Shoreline Stabilization Criteria

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Criteria for Shoreline Stabilization Permits [Provide good diagrams]

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1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

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3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

Deleted: These areas may be identified in the Shoreline Management Plan (where applicable). ¶

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4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP.

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SOUTH CAROLINA ELECTRIC & GAS COMPANY
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(including maintaining structures in good repair). This ~~responsibility~~ transfers automatically along with ownership.

Deleted: responsibility

5) All ~~shoreline~~ stabilization ~~activities~~ must comply with all local, state, and federal regulations ~~if applicable~~. ~~Prior to beginning any activity/construction within the high water mark (360-foot elevation)~~, the applicant must obtain all necessary governmental permits or approvals, and written authorization from SCE&G Lake Management, *especially for any stabilization activities associated with native aquatic plants such as water willow beds.*

Comment: Hold for future discussions. Place in Parking Lot. Might need to be placed in SMP general comments.

Deleted: Also,

Deleted: prior to beginning any activity/construction within the Project boundary

6) An individual permit from the US Army Corps of Engineers in South Carolina is required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

Comment: Hold for future discussion. Place in Parking Lot.

7) ~~In order to protect aquatic resources typically all shoreline stabilization activities shall be performed when water elevation is below work area. When water elevation is above the work area, critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February.~~ The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, and other natural resources.

Deleted: No stabilization facility installation is allowed during March – June in order to protect fish spawning

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8) ~~Riprap material must be quarry-run stone, natural stone, or other material approved by SCE&G.~~ Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.

9) Minimal clearing ~~below the high water mark (360-foot elevation)~~ is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. ~~Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.~~

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10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. ~~Any~~ unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the ~~high water mark (360-foot elevation) in vegetated areas~~ must be limited to one layer deep to allow spaces between the stone for ~~vegetation~~ recruitment.

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Deleted: normal lake level elevation and associated with

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by SCE&G Lake Management prior to introduction.

12) Approved bioengineering techniques and enhanced riprap techniques shall be required for eroded banks less than one foot and recommended for eroded banks up to two feet. (Figure for examples of acceptable enhanced rip-rap techniques).

13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation), except where the entire placement is above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth, bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
May 8, 2006**

Draft ACG 5-19-06

- ~~Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.~~
- ~~Cancellation of all current shoreline permits and loss of consideration for future shoreline permits.~~

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Deleted: Loss of any consideration for future reservoir use applications.¶

**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

Kacie Jensen

From: Alison Guth
Sent: Tuesday, May 09, 2006 12:43 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: Shoreline Stabilization Strawman

Hello All,

I have attached the Shoreline stabilization strawman with the changes that we incorporated yesterday. Please have any additional comments/changes to me by the 23rd of May so that I may have all of the changes together before our next meeting on the 26th. Thanks! Alison



shoreline
abilization memo.d.

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
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Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06
Subject: Straw-man for Shoreline Stabilization Criteria

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Criteria for Shoreline Stabilization Permits *[Provide good diagrams]*

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1) Since every possible situation cannot be anticipated, SCE&G Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.

All shoreline stabilization efforts must be approved by SCE&G Lake Management prior to implementation and/or construction.

2) Adjoining property owners should be aware that conducting all shoreline stabilization activities at a federally licensed hydroelectric project (e.g., Saluda Hydroelectric Project, FERC Project No. P-516) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources, or other reasons.

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3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50 feet offset from an Environmentally Sensitive Area (ESA) classification identified in the Shoreline Management Plan (SMP). All shoreline stabilization activities affecting ESA will be assessed on a case-by-case basis.

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Comment: Hold for future discussions. Place in Parking Lot. Might need to be placed in SMP general comments.

4) The applicant must be the owner of the tract of land immediately adjoining the high water mark (360-foot elevation), or SCE&G-owned buffer zone or have the written permission of the easement property owner on water rights tracts (i.e. SCE&G only has a flowage easement). SCE&G Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMP (*including maintaining structures in good repair*). This responsibility transfers automatically along with ownership.

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5) All shoreline stabilization activities must comply with all local, state, and federal regulations, if applicable. Prior to beginning any activity/construction within the high water mark (360-foot elevation), the applicant must obtain all necessary governmental

Deleted: prior to beginning any activity/construction within the Project boundary

permits or approvals, and written authorization from **SCE&G** Lake Management, especially for any stabilization activities associated with native aquatic plants such as water willow beds.

6) An individual permit from the US Army Corps of Engineers in South Carolina is required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

Comment: Hold for future discussion. Place in Parking Lot.

7) In order to protect aquatic resources typically all shoreline stabilization activities shall be performed when water elevation is below work area. When water elevation is above the work area, critical/emergency shoreline stabilization activities may be performed in the inundated work area during the months of July through February. The applicant should make every reasonable effort to minimize any adverse impact on fish, wildlife, and other natural resources.

Deleted: No stabilization facility installation is allowed during March – June in order to protect fish spawning

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8) Riprap material must be quarry-run stone, natural stone, or other material approved by SCE&G. Tires, scrap metal, crushed block, construction/demolition debris or other types of material are not allowed for stabilization.

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9) Minimal clearing below the high water mark (360-foot elevation) is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. Vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation.

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10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank. Any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the high water mark (360-foot elevation) in vegetated areas must be limited to one layer deep to allow spaces between the stone for vegetation recruitment.

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11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to South Carolina, and must be reviewed and approved by **SCE&G** Lake Management prior to introduction.

12) Approved bioengineering techniques and enhanced riprap techniques shall be required for eroded banks less than one foot and recommended for eroded banks up to two feet. (Figure for examples of acceptable enhanced rip-rap techniques.)

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13) Riprap use should be limited to only that area necessary to adequately stabilize the existing eroded bank. Riprap should be confined to the area between 6 feet below the high water mark (360 foot elevation) and high water mark (360 foot elevation) except

where the entire placement is above severely eroded banks. These areas must be sloped back or terraced to provide minimum bank stability.

Deleted: the FERC Project boundary or where

14) Stabilization of eroded banks that are 2 feet in height or higher or that are not associated with emergent aquatic vegetation can be stabilized using S C D O T Class B or larger size riprap with filter cloth, bio-engineering using significant live staking and planting, or other forms of bio-engineering within the riprap.

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15) Retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the high water mark (360-foot elevation). Earth fills below the high water mark (360-foot elevation) are prohibited.

16) A layer of riprap (SCDOT Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all retaining walls. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. SCE&G Lake Management representatives will issue Stop Work Directives for any violations that are detected within the high water mark (360 foot elevation) of Lake Murray. Consequences for violations will include one or more of the following:

Deleted: Project boundary

Deleted: a reservoir

- Unwanted delays.
- Suspension or cancellation of approved shoreline stabilization permit.
- Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.
- Cancellation of all current shoreline permits and loss of consideration for future shoreline permits

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Deleted: Loss of any consideration for future reservoir use applications.¶

**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

Kacie Jensen

From: Ron Ahle [AhleR@dnr.sc.gov]
Sent: Friday, May 05, 2006 2:12 PM
To: Alison Guth; Van Hoffman; Alan Stuart; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: RE: 5-8-06 meeting agenda, straw-man for bank stabilization

Hello all,

attached is a strawman that we will discuss on Monday

see you Monday

Ron

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]
Sent: Thursday, May 04, 2006 2:09 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; David Hancock; Dick Christie; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: 5-8-06 meeting agenda

Hello all,

Attached is the meeting agenda for the May 8th Lake and Land TWC Meeting. Please let me know by tomorrow if you plan on attending. Thanks, Alison

<<Lake and Land Management TWC Agenda 050806.doc>>

Alison Guth
Licensing Coordinator
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SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: L & LM TWC (Saluda Hydro Project)
From: Ron Ahle
Date: 5-05-06
Subject: Straw-man for Bank Stabilization Criteria

Criteria for Shoreline Stabilization

- 1) Since every possible situation cannot be anticipated, Lake Management reserves the right to make special rulings in cases not specifically covered by these guidelines.
- 2) Adjoining property owners should be aware that conducting activities within the Project boundary of a federally licensed hydroelectric project (e.g., Saluda project) is a privilege that can only be granted with authorization from the Licensee. No riprapping, seawalls, or retaining walls may be constructed, replaced, repaired, or added to without a permit from SCE&G. Furthermore, there are some areas of the lake where facilities may not be permitted because of environmental considerations, development patterns, physical lake characteristics, impacts to cultural resources or other reasons. These areas may be identified in the Shoreline Management Plan (*where applicable*).
- 3) New or expanding stabilization activities (excluding bio-engineering) may not be undertaken within a 50' environmental offset associated with an Environmental classification identified in the Shoreline Management Plan.
- 4) The applicant must be the owner or lease holder of the tract of land immediately adjoining the Project boundary, or SCE&G-owned peripheral strip or have the written permission of the underlying property owner on water rights tracts (i.e. SCE&G only has a flowage easement). Lake Management will hold the applicant fully responsible for ongoing adherence with the current SMG (*including maintaining structures in good repair*). This responsibility transfers automatically along with ownership.
- 5) All stabilization must comply with all local, state and federal regulations. Also, the applicant prior to beginning any activity/construction within the Project boundary must obtain all necessary governmental permits or approvals, and written authorization from Lake Management, *especially for any stabilization activities associated with native aquatic plants such as water willow beds*.
- 6) An individual permit from the US Army Corps of Engineers in South Carolina is required for stabilization that exceeds 500 linear feet of shoreline. Additionally, the South

Carolina Department of Health and Environmental Control (SCDHEC) may require an individual permit for large shoreline stabilization projects.

7) No stabilization facility installation is allowed during March – June in order to protect fish spawning. The permittee must make every reasonable effort to minimize any adverse impact on fish, wildlife, and other natural resources.

8) Tires, scrap metal, crushed block, construction/demolition debris or other types of material that are not allowed for stabilization.

9) Minimal clearing within the Project boundary is allowed to create corridors for equipment access for stabilization projects. Access corridors should be incorporated into permanent pier/dock access corridors (i.e. foot paths) where practical. Native vegetation removed to accommodate construction access for shoreline stabilization shall be replaced with native vegetation similar to what was removed.

10) Applicants are encouraged to avoid activities (including stabilization) that could have an adverse impact upon existing native aquatic plants. Bio-engineering is a preferred shoreline stabilization technique and is encouraged especially in eroded areas associated with emergent aquatic vegetation. Shoreline stabilization activities are limited to the eroded bank and any unavoidable impacts to existing emergent aquatic vegetation, as a result of stabilization installation, require replanting vegetation in the impacted area(s). Rip rap installed below the normal lake level elevation and associated with water willow beds must be limited to one layer deep to allow spaces between the stone for water willow recruitment.

11) The type of plantings utilized in bioengineering and landscape-planting projects should be native to SC, and must be reviewed and approved by Lake Management prior to introduction.

12) Proposals for stabilization where the eroded bank height is less than 2 feet may utilize approved bioengineering techniques and enhanced rip-rap techniques only (**Figure for examples of acceptable enhanced rip-rap techniques**).

13) Riprap use should be limited to only that necessary to adequately stabilize the existing eroded bank. Rip rap must be confined to the area between 6 feet below the full pond elevation and full pond elevation except where the entire placement is above the FERC Project boundary or where severely eroded banks must be sloped back or terraced to provide minimum bank stability and where permissible based on any *local or state buffer* requirements.

14) Stabilization of eroded banks that are 3 feet in height or higher or that are not associated with emergent aquatic vegetation must include Class B or larger size rip rap with filter cloth and/or significant live staking, planting or other forms of bio-engineering within the rip rap.

15) Seawalls or retaining walls are only allowed for erosion control where the average eroded bank height is greater than 3 feet and the wall is constructed at the 360-foot elevation. Earth fills below the 360-foot contour are prohibited.

16) A layer of rip-rap (Class B or larger) extending 6 feet lake-ward from full pond must be placed along the entire base of all bulkheads. The 6-foot requirement is measured vertically for steep slopes and horizontally for more gradual slopes where the vertical requirement would prove impractical.

Consequences for Violations

1. Lake Management representatives will issue Stop Work Directives for any violations that are detected within the Project boundary of a reservoir. Consequences for violations will include one or more of the following:

- Unwanted delays.
- Loss of security deposits.
- Suspension or cancellation of approved applications.
- Increases in fees.
- Modification or removal of non-complying structures and restoration of disturbed areas at the owner's expense.

Loss of any consideration for future reservoir use applications.

REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020

Kacie Jensen

From: Alison Guth
Sent: Friday, May 05, 2006 3:56 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebber
Cc: Andy Miller; Bertina Floyd; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Kim Westbury; Larry Turner (turnerle@dhec.sc.gov); Mark Leao; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Roy Parker; ryanity@scana.com; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks
Subject: Lake and Land TWC Meeting Notes

Good Afternoon,

Attached are the draft meeting notes from the April 25th Lake and Land TWC. Please have any comments/changes back to me by May 19th for finalization. Thanks and have a great weekend. Alison



2006-4-25 draft
Meeting Minute...

Alison Guth
Licensing Coordinator
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Draft ACG 5-5-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW

Dick Christie, SCDNR
Joy Downs, LMA
Bill Argentieri, SCE&G
Van Hoffman, SCE&G
Tony Bebber, SCPRT

DATE: April 25, 2006

HOMEWORK ITEMS:

Due for next meeting:

- Ron Ahle- to prepare a strawman of guidelines for bank stabilization based on Duke criteria
- Tommy and David – To bring information on Corp bank stabilization criteria for group discussion
- Steve Bell - To bring information on TVA bank stabilization criteria for group discussion

AGENDA TOPICS FOR NEXT MEETING:

- **9:30 to 9:45** Review of Mission Statement and Review of Responsibilities of the TWC – *Alan Stuart*
- **9:45 to 10:05** Review of Pending and Completed Priority Issues and Studies – *Alan Stuart*
- **10:05 to 10:35** Discussion on Potential SCE&G Land Transaction – *Van Hoffman*
- **10:35 to 10:45** **Break**

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Draft ACG 5-5-06

David Hancock also noted that when a limited brushing permit is received it serves as an opportunity to educate the landowner.

Joy Downs then asked SCE&G if a limited brushing permit would need to be obtained if a landowner owned down to the 360' and wanted to clear weeds out of rip-rap that was placed there. Tommy noted that the weeds could be cleared out of any rip-rap without the need for a limited brushing permit. Dick Christie explained, that from a DNR perspective, a key value of the document was the educational component. He explained that the back property owner did not have the immediate right to go down to the 360' and apply herbicide. He noted that those activities needed to be first authorized by SCE&G.

It was noted that if issues arose in the future that this document could be amended to deal with those issues during a SMP review period. The group agreed that the limited brushing strawman contained the general criteria that was needed and any minor issues would be addressed when it was moved into the overall SMP.

After agreeing to the limited brushing guidelines (document with group incorporated changes can be viewed below), the group began to discuss the Sedimentation and Erosion Control Plan. SCE&G gave a brief explanation of the background of the plan and Tommy noted that the areas of concern were chosen in discussions with the DNR and the USFWS.

Steve asked the group what SCE&G's responsibility in terms of erosion was. Tommy explained that, at this point, the FERC has only required SCE&G to identify the areas of concern. He noted that they have also agreed to evaluate the public recreation sites and to stabilize them as they were developed.

Ron noted that LIDAR could be very useful in the identification of eroded areas. He explained that it may be helpful to develop a map of eroded areas using this tool. Tommy noted that he would look into this.

After lunch, the group decided to review the criteria for the identification of eroded areas. Through discussions the group decided that anything 50 feet in length and greater will be identified for mapping purposes, anything less than that would be dealt with on a case to case basis. Ron noted that for mapping purposes, in addition to looking for areas with a length of 50 feet and greater, that the group should look for areas with an 80 to 90 percent slope that is 5 feet or greater in elevation. Tommy noted that they would begin to work on developing the maps.

The group then began discussions on bank stabilization. Along with discussions on rip-rap, and bioengineering, David explained that SCE&G has very strict criteria about where sea walls can and

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Draft ACG 5-5-06

cannot be placed. Tommy also briefly described an option for bank stabilization that included the placement of small blocks along the shoreline.

Tommy noted that they typically like to give individuals options for bank stabilization such as block or rip rap, and noted that he has only seen bioengineering successful in the back of coves. Ron agreed and noted that bioengineering needs a certain degree of protection to be beneficial.

The group began to discuss that some eroding areas may need to be sloped in order to perform proper stabilization. Dick noted that he does not believe that the DNR would be against sloping an area if that was what was needed in order to stabilize the site. He explained that if there is a 4 or 5 foot bluff then it will most likely have to be sloped. David then asked what SCE&G should do if they needed to establish a slope on a buffer zone. He continued to ask if they should establish it by taking out a few trees or from the lake-ward side down. Ron noted that it would need to be determined on a case to case basis. Dick also explained that if there is a 50 foot wide buffer zone and the first 10 feet needs to be used for sloping, that it may not have that big of an impact on the buffer.

Ron explained that from his involvement in the Catawba-Wateree relicensings he had the guidelines for bank stabilization developed for those projects. He explained that it consisted of a booklet of instructions for the back property owner on what type of erosion control was allowed and contained recommendations for stabilization. Alan asked if Ron would develop a strawman for Lake Murray from the criteria in Duke's plan and the group agreed. Tommy also noted that he would like to see the criteria for the Corp and TVA lakes. Tommy was assigned the homework of researching the Corp guidelines, while Steve Bell noted that he would research TVA criteria. David also added that he would be meeting with the other utilities at a conference the next week and he would confer with them as to what types of guidelines for stabilization they imposed.

Alan noted that at the next meeting they would continue to discuss erosion and sedimentation in the morning and discuss excavations in the afternoon. Van Hoffman noted that he would also like a few minutes on the agenda to discuss a land transaction that was being discussed.

The group concluded the meeting and noted that the next meeting would occur on May 8th at 9:30.

Limited Brushing Criteria with group edits attached below:

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Draft ACG 5-5-06

**SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE AND FRESHWATER FISHERIES
ENVIRONMENTAL PROGRAMS OFFICE**

MEMORANDUM

To: Lake & Land Management Technical Committee
From: Ron Ahle
Date: 4-25-2006 (Revised 4/25/06)
Subject: Limited Brushing

The unauthorized clearing of vegetation below the 360 elevation is not allowed on the shoreline of Lake Murray. **However, in some cases where the back property owner owns down to the 360 elevation, limited brushing will be allowed when permission is granted by SCE&G Lake Management after a site visit with the applicant.** Once limited brushing is complete the applicant can maintain the site in said condition. SCE&G permits docks to minimize impacts to vegetation below elevation 360 contour line. Limited brushing will allow back property owners to remove exotic and invasive vegetation that occurs adjacent to their property.

In general, certain critical vegetation cannot be removed when limited brushing is permitted. Critical vegetation such as buttonbush, willows, oaks and others provide well documented benefits such as bank stabilization, water quality functions, habitat, shade in near shore environments, and terrestrial input for aquatic ecosystems. For the purposes of a limited brushing permit, the following vegetation can not be cleared:

Buttonbush	Sycamore
Tag alder	River birch
Water Hickory	Green ash
Black gum	Cottonwood
Black willow	Oaks
Tulip poplar	Hardwood species
Persimmon	

Plants that can be cleared through limited brushing are generally undesirable species that are invasive and in some cases, exotic. Included in this group are vines such as green briars, Japanese honey suckle, poison ivy, poison oak, wisteria, and kudzu, shrubs such as black berry and privet,

Comment: Might want to redefine later to a more common language or in a definition section.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Draft ACG 5-5-06

and trees such as mimosa and Bradford Pear. Trees that are dead and create a hazard may also be removed.

Some selective clearing of native, non-invasive species will be allowed through limited brushing. Generally, this will include certain softwood species that are less than 3 inches diameter at breast height (dbh).

Species that could be cleared in this category include:

Sweetgum	Red maple
Red cedar	Loblolly pine
Longleaf pine	Virginia pine

Any vegetation that doesn't meet the above listed criteria, but the back property owner would still like to remove will have to be addressed individually with SCE&G Lake Management Staff. It is likely that any tree removal that is not consistent with limited brushing, as outlined above, will have to be mitigated in accordance with the riparian buffer zone management plan and may include revocation of the property owner's dock permit.

**REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SOUTH CAROLINA 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

Kacie Jensen

From: Alison Guth
Sent: Thursday, May 04, 2006 2:09 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; David Hancock; Dick Christie; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Steve Bell; Tom Ruple; Tommy Boozer; Tony Bebbler
Subject: 5-8-06 meeting agenda

Hello all,

Attached is the meeting agenda for the May 8th Lake and Land TWC Meeting. Please let me know by tomorrow if you plan on attending. Thanks, Alison



Lake and Land
anagement TWC A..

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Purpose:

To Develop Draft Criteria on Bank Stabilization, as well as to Develop Draft Criteria on Excavations for Inclusion in the Shoreline Management Plan.

Logistics:

Where: Lake Murray Training Center

When: May 8, 2006

Time: 9:30 AM

Meeting Agenda:

- **9:30 to 9:45** Review of Mission Statement and Review of Responsibilities of the TWC – *Alan Stuart*
 - **9:45 to 10:05** Review of Pending and Completed Priority Issues and Studies – *Alan Stuart*
 - **10:05 to 10:35** Discussion on Potential SCE&G Land Transaction – *Van Hoffman*
 - **10:35 to 10:45** **Break**
 - **10:45 to 11:00** Discussion of Homework Items – Review of Core and TVA Bank Stabilization Guidelines – *Tommy Boozer and Steve Bell*
 - **11:00 to 11:45** Discussion of Homework Items – Review Strawman on Bank Stabilization Guidelines based on Duke’s Guidelines – *Ron Ahle and Group*
 - **11:45 to 12:15** **Lunch**
 - **12:15 to 1:00** Continued Discussion on Bank Stabilization Guidelines Strawman – *Ron Ahle and Group*
 - **1:00 to 1:45** Discussions on Excavations
 - **1:45 to 2:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
April 25, 2006**

Final ACG 5-19-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Steve Bell, LW

Dick Christie, SCDNR
Joy Downs, LMA
Bill Argentieri, SCE&G
Van Hoffman, SCE&G
Tony Bebber, SCPRT

DATE: April 25, 2006

HOMEWORK ITEMS:

Due for next meeting:

- Ron Ahle- to prepare a strawman of guidelines for bank stabilization based on Duke criteria
- Tommy and David – To bring information on USACE bank stabilization criteria for group discussion
- Steve Bell - To bring information on TVA bank stabilization criteria for group discussion

AGENDA TOPICS FOR NEXT MEETING:

- **9:30 to 9:45** Review of Mission Statement and Review of Responsibilities of the TWC – *Alan Stuart*
- **9:45 to 10:05** Review of Pending and Completed Priority Issues and Studies – *Alan Stuart*
- **10:05 to 10:35** Discussion on Potential SCE&G Land Transaction – *Van Hoffman*
- **10:35 to 10:45** **Break**

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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- **10:45 to 11:00**
Bank Discussion of Homework Items – Review of USACE and TVA Stabilization Guidelines – *Tommy Boozer and Steve Bell*
 - **11:00 to 11:45** Discussion of Homework Items – Review Strawman on Bank Stabilization Guidelines based on Duke’s Guidelines – *Ron Ahle and Group*
 - **11:45 to 12:15** **Lunch**
 - **12:15 to 1:00** Continued Discussion on Bank Stabilization Guidelines Strawman – *Ron Ahle and Group*
 - **1:00 to 1:45** Discussions on Excavations
 - **1:45 to 2:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn

DATE OF NEXT MEETING: **May 8, 2006 at 9:30 a.m.**
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and noted that the first order of business would be to review the homework assignments from the March 28th TWC meeting. As homework from the last meeting, Ron Ahle presented a strawman of guidelines on limited brushing around Lake Murray to the group for review. Upon evaluation of the document, Tommy Boozer noted that the strawman document was very similar to the document on limited brushing that SCE&G had sent to the FERC with the addition of a few species.

The group continued an interactive review of the document and made several changes. Ron Ahle explained that limited brushing is effective in eliminating the undesirable and invasive species from the shoreline. Tommy Boozer noted that their goal was to achieve a document that would be consistent and that allowed for violations to be dealt with. Ron explained that the document does not allow the individual to clear any vegetation on the list of native species, he continued to note that the native species would begin to take the place of the invasive species once they were

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removed. David Hancock also noted that when a limited brushing permit is received it serves as an opportunity to educate the landowner.

Joy Downs then asked SCE&G if a limited brushing permit would need to be obtained if a landowner owned down to the 360' and wanted to clear weeds out of rip-rap that was placed there. Tommy noted that the weeds could be cleared out of any rip-rap without the need for a limited brushing permit. Dick Christie explained, that from a DNR perspective, a key value of the document was the educational component. He explained that the back property owner did not have the immediate right to go down to the 360' and apply herbicide. He noted that those activities needed to be first authorized by SCE&G.

It was noted that if issues arose in the future that this document could be amended to deal with those issues during a SMP review period. The group agreed that the limited brushing strawman contained the general criteria that was needed and any minor issues would be addressed when it was moved into the overall SMP.

After agreeing to the limited brushing guidelines (document with group incorporated changes can be viewed below), the group began to discuss the Sedimentation and Erosion Control Plan. SCE&G gave a brief explanation of the background of the plan and Tommy noted that the areas of concern were chosen in discussions with the DNR and the USFWS.

Steve asked the group what SCE&G's responsibility in terms of erosion was. Tommy explained that, at this point, the FERC has only required SCE&G to identify the areas of concern. He noted that they have also agreed to evaluate the public recreation sites and to stabilize them as they were developed.

Ron noted that LIDAR could be very useful in the identification of eroded areas. He explained that it may be helpful to develop a map of eroded areas using this tool. Tommy noted that he would look into this.

After lunch, the group decided to review the criteria for the identification of eroded areas. Through discussions the group decided that anything 50 feet in length and greater will be identified for mapping purposes, anything less than that would be dealt with on a case to case basis. Ron noted that for mapping purposes, in addition to looking for areas with a length of 50 feet and greater, that the group should look for areas with an 80 to 90 percent slope that is 5 feet or greater in elevation. Tommy noted that they would begin to work on developing the maps.

The group then began discussions on bank stabilization. Along with discussions on rip-rap, and bioengineering, David explained that SCE&G has very strict criteria about where sea walls can and

MEETING NOTES

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cannot be placed. Tommy also briefly described an option for bank stabilization that included the placement of small blocks along the shoreline.

Tommy noted that they typically like to give individuals options for bank stabilization such as block or rip rap, and noted that he has only seen bioengineering successful in the back of coves. Ron agreed and noted that bioengineering needs a certain degree of protection to be beneficial.

The group began to discuss that some eroding areas may need to be sloped in order to perform proper stabilization. Dick noted that he does not believe that the DNR would be against sloping an area if that was what was needed in order to stabilize the site. He explained that if there is a 4 or 5 foot bluff then it will most likely have to be sloped. David then asked what SCE&G should do if they needed to establish a slope on a buffer zone. He continued to ask if they should establish it by taking out a few trees or from the lake-ward side down. Ron noted that it would need to be determined on a case to case basis. Dick also explained that if there is a 50 foot wide buffer zone and the first 10 feet needs to be used for sloping, that it may not have that big of an impact on the buffer.

Ron explained that from his involvement in the Catawba-Wateree relicensings he had the guidelines for bank stabilization developed for those projects. He explained that it consisted of a booklet of instructions for the back property owner on what type of erosion control was allowed and contained recommendations for stabilization. Alan asked if Ron would develop a strawman for Lake Murray from the criteria in Duke's plan and the group agreed. Tommy also noted that he would like to see the criteria for the Corp and TVA lakes. Tommy was assigned the homework of researching the Corp guidelines, while Steve Bell noted that he would research TVA criteria. David also added that he would be meeting with the other utilities at a conference the next week and he would confer with them as to what types of guidelines for stabilization they imposed.

Alan noted that at the next meeting they would continue to discuss erosion and sedimentation in the morning and discuss excavations in the afternoon. Van Hoffman noted that he would also like a few minutes on the agenda to discuss a land transaction that was being discussed.

The group concluded the meeting and noted that the next meeting would occur on May 8th at 9:30.

Limited Brushing Criteria with group edits attached below:

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**SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WILDLIFE AND FRESHWATER FISHERIES
ENVIRONMENTAL PROGRAMS OFFICE**

MEMORANDUM

To: Lake & Land Management Technical Committee
From: Ron Ahle
Date: 4-25-2006 (Revised 4/25/06)
Subject: Limited Brushing

The unauthorized clearing of vegetation below the 360 elevation is not allowed on the shoreline of Lake Murray. **However, in some cases where the back property owner owns down to the 360 elevation, limited brushing will be allowed when permission is granted by SCE&G Lake Management after a site visit with the applicant.** Once limited brushing is complete the applicant can maintain the site in said condition. SCE&G permits docks to minimize impacts to vegetation below elevation 360 contour line. Limited brushing will allow back property owners to remove exotic and invasive vegetation that occurs adjacent to their property.

In general, certain critical vegetation cannot be removed when limited brushing is permitted. Critical vegetation such as buttonbush, willows, oaks and others provide well documented benefits such as bank stabilization, water quality functions, habitat, shade in near shore environments, and *terrestrial input for aquatic ecosystems (May redefine later to a more common language or in a definition section* . For the purposes of a limited brushing permit, the following vegetation can not be cleared:

Buttonbush	Sycamore
Tag alder	River birch
Water Hickory	Green ash
Black gum	Cottonwood
Black willow	Oaks
Tulip poplar	Hardwood species
Persimmon	

Plants that can be cleared through limited brushing are generally undesirable species that are invasive and in some cases, exotic. Included in this group are vines such as green briars, Japanese honey suckle, poison ivy, poison oak, wisteria, and kudzu, shrubs such as black berry and privet,

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and trees such as mimosa and Bradford Pear. Trees that are dead and create a hazard may also be removed.

Some selective clearing of native, non-invasive species will be allowed through limited brushing. Generally, this will include certain softwood species that are less than 3 inches diameter at breast height (dbh).

Species that could be cleared in this category include:

Sweetgum
Red cedar
Longleaf pine

Red maple
Loblolly pine
Virginia pine

Any vegetation that doesn't meet the above listed criteria, but the back property owner would still like to remove will have to be addressed individually with SCE&G Lake Management Staff. It is likely that any tree removal that is not consistent with limited brushing, as outlined above, will have to be mitigated in accordance with the riparian buffer zone management plan and may include revocation of the property owner's dock permit.

**REMBERT C. DENNIS BUILDING * P.O. Box 167 * COLUMBIA, SOUTH CAROLINA 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020**

From: Alison Guth
Sent: Thursday, May 04, 2006 12:56 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; Joy Downs; Kim Westbury; Larry Turner (turnerle@dhec.sc.gov); Mark Leao; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbler
Subject: Lake and Land TWC Notes
Hello all:

Attached is the final copy of the Lake and Land Management TWC Meeting notes from 3-28. Thanks for the helpful comments. Alison



2006-3-28 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
March 28, 2006**

Final ACG 5-4-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Laura Boos, USC
Steve Bell, LW

Amanda Hill, USFWS
Bill Argentieri, SCE&G
Rhett Bickley, Lexington County
Van Hoffman, SCE&G
Norman Boatwright, MFC

DATE: March 28, 2006

HOMEWORK ITEMS:

Due for next meeting:

- Ron Ahle- to prepare a strawman of guidelines for limited brushing, will be discussed as first item on Tuesday.

Due at a future date:

- Tommy and David - Maps should be updated to include setbacks, Easement property that is not owned by SCE&G, and ESA's on Forest and Game Management Areas. It was also recommended to have percentage/mileage tables (similar to the ESA percentage tables) that reflects all updated items. It was also suggested that the number of ESA's on the lake be attained by county.
- Tommy and David - to develop criteria on permitting docks in shallow coves. Will be discussed further in the dock discussion.
- Tommy and David - to develop criteria for docks requested on ESA's in easement property. Although the group was leaning toward not allowing this, it was decided that some alternatives needed to be developed to present to the RCG along with the preferred alternative. To be discussed at dock discussion

MEETING NOTES

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Final ACG 5-4-06

AGENDA TOPICS FOR NEXT MEETING:

- **9:30 to 10:30** Discussion of Homework items from previous TWC meeting – Ron Ahle to review strawman of guidelines for limited brushing
- **10:30 to 10:45** Break
- **10:45 to 11:45** Group Discussion on Sedimentation and Erosion Control Plan
- **11:45 to 12:15** Lunch
- **12:15 to 1:15** Continued Discussion on Sedimentation and Erosion Control Plan
- **1:15 to 1:30** Break
- **1:30 to 2:45** Identification and Resolution on Items Discussed, Identification of any Solutions
- **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting

Adjourn

**DATE OF NEXT MEETING: April 25, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan Stuart opened the meeting and after brief introductions Ron Ahle began a picture presentation on Environmentally Sensitive Areas (ESA's). Ron Ahle's presentation can be viewed on the website. Ron gave a brief explanation of the habitat types as well as the species present in each classification. He noted that he was working with several USC graduate students to identify other various plant species present and their significance.

The group then directly began discussion on ESA's. Tommy noted that the ESA's have been updated twice. During discussions Tommy distributed a handout to the group which specified the miles and percentages associated with ESA's and Future Development ESA's (document attached

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below). The group discussed this table further in order to gain a better understanding of the data it presented. Norman Boatwright noted that they surveyed all of the setbacks in 1994, however, it is not included in the numbers listed in the table. He noted that in 2002 they had surveyed all of the easement areas and updated the future development lands. During further discussion the group decided that information the current maps lacked that needed to be incorporated into updated maps included setbacks, Easement property that is not owned by SCE&G, and ESA's on Forest and Game Management Areas. It was also recommended to have updated percentage/mileage tables that reflects these items. Steve Bell pointed out that it would be interesting to know how many ESA's are on the lake. Tommy noted that they could identify that by county.

Alan then directed the discussion toward the management of the ESA's. Tommy began to explain that before they received the order from the FERC asking SCE&G not to permit docks on continuous ESA's, they would occasionally allow people to place docks on an continuous ESA, depending on the ESA. He continued to explain that currently, in order to place a dock in a ESA that was not continuous, it was stated in the Army Corp of Engineers (Corp) General Permit (GP) that the individual would have to apply for a permit through the Corp. Ron Ahle and Amanda Hill expressed concern over this and noted that although it may give the agencies an opportunity to comment, they do not recall ever being notified of such. Ron noted that he would be much more comfortable if the permits went through SCE&G instead of the Corp, and SCE&G allowed the agencies to comment. The group decided that one key item to accomplish was to take the ESA permitting out of the GP. The group also noted that all dock requests on continuous ESA's on easement property would be discussed by SCE&G, USFWS and DNR and they would collectively decide upon mitigation, community docks etc. The groups initial response was to not allow docks in ESA's on easement property, however it was decided that some alternatives need to be developed to present to the RCG along with the preferred alternative. SCE&G was tasked to come up with general criteria regarding the permitting of docks in ESA's on easement property to present to the group.

Tommy noted that one problem that SCE&G deals with is when an individual owns the land under the lake and another individual would like to put a dock in that area. Ron Ahle asked if SCE&G would consider buying that property. Van Hoffman noted that they have tried to in the past but the landowners decided not to sell.

Steve Bell asked the group if docks were allowed in the backs of coves. David Hancock pointed out that it depended on the location. He explained that they would have to go out and observe the cove and the vegetation and determine how a dock would impact that. Steve asked if they could develop criteria for permitting a dock in the back of a shallow cove. The group began to discuss this issue, one item that was proposed was for a trade off to occur, for example, a dock would be permitted in certain cases, if a 25 foot buffer was planted above the 360'. Ron Ahle added that it could be tied

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directly to the dock permit to prevent the landowner from then clearing all of the vegetation. Steve requested that one of the requirements be that the dock be a certain distance away from the back of the cove. It was decided that any criteria that was developed needed to be consistent. SCE&G would begin by developing a strawman of criteria and it would be discussed further in the discussion on docks. Ron also suggested that the group look at how Duke has handled similar situations.

Ron Ahle also requested that a 50 ft buffer be established on either side of a continuous ESA. He noted that it was more significant to have buffers on either side of a continuous ESA because an intermittent ESA did not have as much value. Ron referred to a FERC letter and he added that it requested this. Tommy noted that it was not how it was interpreted by SCE&G, he noted that to his knowledge FERC was referring to 50 feet back from the ESA. Ron then explained that he would like SCE&G to consider this, he pointed out that buffers would prevent individuals from slowly encroaching upon the ESA. Tommy replied that SCE&G would agree to consider 15 feet adjacent to a continuous ESA on easement and future development property. Ron agreed that they would accept 15 feet if SCE&G decided to implement it.

After lunch the group began to discuss the Woody Debris Management Plan that was filed with the FERC.

In a discussion on stump removal, SCE&G explained that at this point all that they are allowing is that stumps located next to docks be chainsawed off. Tommy noted that they have relocated docks in areas where there are many stumps, however most of the time when this issue is raised it is only regarding a single stump. Ron Ahle noted that he was okay with this, and asked SCE&G to put it into writing. He explained that he was initially concerned because stumps are an important form of habitat in Lake Murray.

The group began to go through the comments that the USFWS and DNR raised in regards to the Woody Debris Management Plan. Amanda Hill noted that all of her comments were answered satisfactorily and all of DNR's comments were incorporated into the plan. Alan then asked the group if everyone was comfortable in taking the Woody Debris Management Plan as a component of the Shoreline Management Plan. Everyone agreed.

One of the final items for discussion pertained to the management of areas below the 360'. Tommy Boozer explained that they have allowed people to perform limited brushing of non-critical vegetation below the 360'. He noted that it is evaluated on a case by case basis on the brush that is already present. Tommy described that if they go to a property that has quite a few pine trees and a lot of pines in danger of falling, that they allow individuals to take some out. Ron Ahle noted that clearing below the 360' was one of the biggest complaints received by DNR. He noted that he is

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concerned about the removal of large button bushes and willows. Ron explained that he would like to see the group develop a limited brushing permit that included a species list. Ron also noted that it may be beneficial to have examples (photographs, etc.) to show the landowner. Tommy noted that they could come up with a definition of limited brushing but it would need to take place on a case to case basis. He further noted that it should be done by species as well as condition.

After continued discussion on this topic, Alan asked Ron Ahle if he would prepare a strawman of guidelines for limited brushing which will be presented to the group for consideration at the next meeting.

It was noted that the next item for discussion would be on Erosion and Sedimentation. The group agreed that the next meeting would occur on April 25th at 9:30.

The group adjourned.

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**2005 Shoreline
Management Prescriptions**

Shoreline Easement Environmental Sensitive Area (ESA)

ESA	Miles	Feet	Percent of	Percent of
Button Bush Continuous	21.65	114,312	3.32%	26.64%
Button Bush Intermittant	8.19	43,243	1.26%	10.08%
Shallow Cove	4.61	24,341	0.71%	5.67%
Bottomland Hardwood	5.20	27,456	0.80%	6.40%
Wet Flat	N/A	N/A	N/A	N/A
Total	39.65	209,352	6.08%	48.79%

Shoreline Future Development Environmental Sensitive Area (ESA)

ESA	Miles	Feet	Percent of Total Miles	Percent of Total ESA Miles
Button Bush Continuous	30.29	1,599,615	4.64%	37.28%
Button Bush Intermittant	4.10	216,521	0.63%	5.05%
Shallow Cove	5.96	314,748	0.91%	7.33%
Bottomland Hardwood	1.25	66,013	0.19%	1.54%
Wet Flat	0.01	528	0.00%	0.01%
Total	41.61	2,197,424	6.37%	51.21%

Total Shoreline Environmental Sensitive Area (ESA)

ESA	Miles	Feet	Percent of Total Miles	Percent of Total ESA Miles
Button Bush Continuous	51.94	274,243	7.96%	63.92%
Button Bush Intermittant	12.29	64,891	1.88%	15.12%
Shallow Cove	10.57	55,810	1.62%	13.01%
Bottomland Hardwood	6.45	34,056	0.99%	7.94%
Wet Flat	0.01	53	0.00%	0.01%
Total	81.26	429,053	12.46%	100%

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**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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**SCE&G Training Center
March 9, 2006**

Draft ACG 3-10-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Joy Downs, LMA

Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Ronald Scott – Lexington County
Van Hoffman – SCE&G

DATE: February 9, 2006

HOMEWORK ITEMS:

- SCE&G to provide a list of changes in classifications that have occurred since the last map was completed - *Not needed until Land Reclassification Discussion*
- SCE&G to provide description of land classifications and how they are managed – *Not needed until Land Reclassification Discussion*
- Alan to locate Randy Mahan’s letter to Lake property owners on setback implementation and clearing policies
- Ron Scott to ask Rhett Bickley to attend next week’s TWC meeting
- Alan to check status of NWI maps
- SCE&G to send the original ’94, ’02 and ’04 studies on ESAs to the group – *Not needed until ESA Identification and Management Discussion*
- SCE&G to distribute dock permitting sheet to the group – *Not needed until Shoreline Permitting Discussion*
- Alan to send out the Revegetation, Sediment and Erosion and Woody Debris plans to the group for review before the Buffer Zone Management discussion next Thursday

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AGENDA TOPICS FOR NEXT MEETING:

- Interactive Review of Buffer Zone Management Plans
- Discussion on Additional Criteria for Future Buffer Zone Enhancements and Potential Restoration

**DATE OF NEXT MEETING: March 16, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that the first item for discussion on the agenda was an update of the shoreline classifications on Lake Murray. Tommy Boozer and David Hancock handed out and began discussions on the 2002 and 2005 Lake Murray mileage sheets separated out by management prescription. Tommy pointed out that although the mileage was not survey grade, it was as close as could be attained using GIS. Tommy continued to expound on this issue, and explained that in 1994 they had compiled their plats to provide a good baseline and the 2002 update provided a lot more accurate photography. Subsequently, in 2005 the accuracy again increased due to the LIDAR that was performed around the Lake.

The group continued to discuss the mileage sheets. In reference to Environmentally Sensitive Areas (ESA)s, Tommy pointed out that there was almost 40 miles of ESAs on Easement property and 41.61 miles of ESAs on Future Development lands. David noted that this mileage does not include the ESA land in front of forest and game management areas. Ron Ahle asked the group what percentage of total easement land was ESA land. It was noted that it was 6.8%. Ron added that ESA habitat would be lost when development occurs down to the 360. Tommy replied that with the new regulations, hopefully no clearing would occur below the 360 and all of the ESAs are located below the 360.

Ron Ahle noted that it was standard procedure to go back in relicensing and update the SMP, however, in this case there have been very few changes that have occurred since the map was completed. Therefore, Ron presented the idea of developing a list of changes that have occurred since the map was last completed. He clarified that he was referring to actual changes to classifications on the shoreline that have occurred. SCE&G agreed that they could provide this list. Tommy and David additionally noted that the only changes that have occurred are the new additions on easement property and land sales.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT TWC

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The group decided that this meeting was not the appropriate time to evaluate rebalancing and it should be further discussed at a later date. To aid in this discussion, SCE&G agreed to develop a brief description of each classification and give a presentation on the classifications at a future meeting. Tommy noted that there has been some discussion with DNR and PRT about rebalancing. He added that at some point it would be brought back to the committee.

The group decided that the agenda item for the next TWC meeting should be a review of the Buffer Zone Management Plan and an interactive session to go through the items in this plan.

The group began to briefly discuss the history of the buffer zone. Van Hoffman explained that in 1973 or 74 Santee Cooper received its new license and was subsequently required by FERC to put in place a 50 foot easement. Shortly thereafter, SCE&G filed for a new license which was received in '84. However, the FERC required SCE&G to retain a 75 foot setback. Van continued to explain that Randy Mahan had prepared a letter to landowners informing them of the setback and noting that they would be allowed to clear vegetation excluding large trees. Van continued to explain the progression toward a prescription that allowed clearing of vegetation less than 3 ½ inches in diameter and subsequently toward non-disturbance. The group noted that they would like to view a little bit of the history behind this and Alan agreed to locate Randy's letter.

The group continued to discuss buffer zone management but agreed to hold this discussion until next meeting and go through the plan line by line. Tommy asked Ron Scott if he could ask Rhett Bickley to attend next week's meeting. Ron said that he would ask him to come.

Alan then noted that they would use the rest of the time to go through the prioritized issues and identify what information was needed for the future discussion of these topics. In reference to the ESA Identification and Management Issues, Ron Ahle suggested that we have a presentation as well as a boat trip. The group agreed but noted that they did not necessarily have to wait for the boat trip before they made recommendations on this issue back to the RCG, because the boat trip would need to be scheduled during warmer weather. A presentation on the history of ESA and classifications would be needed. Tommy noted that they would send the original '94, '02 and '04 studies on ESAs to the group.

Ron Ahle noted that he would like to view a map of where the wetlands were located. Alan noted that he believes that the NWI maps have been generated and would check on the status of those. The group began to discuss the issues under Shoreline Permitting and Tommy noted that he had a permitting sheet that he would distribute to the group. There was some discussion on permitting fees and Tommy noted that the Project license requires them to manage the shoreline and also allows them to recoup their management expenses by charging fees. Joy Downs asked what was

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

***SCE&G Training Center
March 9, 2006***

Draft ACG 3-10-06

done in regards to commercial multi-slips when charging for slips. Tommy replied that commercial facilities pay per slip. Dick noted that since not all of the public commercial landings provide pump-out facilities, SCE&G may want to consider providing a reduced slip fee for those who do have pump-out facilities as an incentive. The group agreed that this was a good idea to be considered.

Alan asked the group what additional information was needed to discuss Docks issues. Ron Noted that it may be beneficial to look at some of the commercial docks that have been permitted recently that have been controversial in order to identify some of the reasons why they have been controversial. The group decided that that would be beneficial. David Hancock noted that they would also provide the group with aerial photography and also another layer on the large map for purpose of identifying its general vicinity.

The group began to discuss excavations and a few people expressed concern on this issue. Ron Ahle noted that in the past they have allowed the excavation of a boat channel and a place for the individual to turn the boat around at the dock. He added that if there was a plan in place things would progress smoother. David Hancock noted that this was a hard issue to deal with in a plan because conditions varied from case to case. The group decided that they need to discuss at a future date whether or not docks should not be allowed after a certain elevation or whether there excavation should not be allowed completely.

The group concluded its discussion and Alan noted that he would send out the Revegetation, Sediment and Erosion and Woody Debris plans to the group for review before the Buffer Zone Management discussion next Thursday.

It may be useful to discuss our W2 calibration process in general and show input files using AGPM, but we do not want to dwell too much on the specifics of the current model since it is being upgraded. I can also present information on our current thinking on the upgrading, but this would be only preliminary info. We would welcome comments on our current plans.

Thanks, Jim

----- Original message -----

From: Daniel Tufford <tufford@sc.edu>

> I am still interested in reviewing the technical documentation on the
> parameterization, calibration, verification, and any testing that has been done
> with the W2 model. We were unable to conclude the discussion on this topic by
> e-mail so I want to address it when we are talking together.

>
> Regards,
> Daniel L. Tufford, Ph.D.
> Research Assistant Professor
> University of South Carolina
> Department of Biological Sciences
> Sumwalt 209F (office)
> 701 Sumter Street, Room 401 (mail)
> Columbia, SC 29208
> e-mail: tufford@sc.edu
> web: <http://www.biol.sc.edu/~tufford>
> Ph: 803.777.3292 Fx: 803.777.3292

>
>
> Quoting Alan Stuart :

>
>> Yes, the office is located at the Foreign Trade Zone (FTZ) complex which
>> faces Hwy 302 right at the intersection with Airport Blvd. If coming from
>> I-26, proceed through the traffic light at Airport blvd. Go to the entrance
>> to FTZ off of 302, take the first left and Kleinschmidt's office is at the
>> end of the complex.

>>
>> -----Original Message-----
>> From: C. Andy Miller
>> To: jimruane@comcast.net; tufford@sc.edu
>> Cc: Alan.Stuart@KleinschmidtUSA.com; Alison.Guth@KleinschmidtUSA.com;
>> wharden@mindspring.com
>> Sent: 4/28/06 5:04 PM
>> Subject: Re: May 3rd meeting

>>
>> The Kleinschmidt offices are good with me as well, and I hope for Wayne
>> Harden too. Is the office located in West Columbia per the phone book?

>>
>> AM
>>

>>>> "Jim Ruane" 4/28/2006 4:41 PM >>>>
>>
>> Either place is fine with me, too....but since there are no time
>> constraints
>> at the KA office, maybe we should go for that location.
>>
>> Thanks, Jim
>>
>> Richard J. Ruane, Reservoir Environmental Mgt., Inc.
>> 900 Vine Street Suite 5
>> Chattanooga, TN 37403
>> 423-265-5820; cell: 423-605-5820; Fax: 423-266-5217; jim@chatt.net
>>
>> ----- Original Message -----
>> From: "Dan Tufford"
>> To: "C. Andy Miller"
>> Cc: ; ;
>> ;
>> Sent: Friday, April 28, 2006 3:11 PM
>> Subject: Re: May 3rd meeting
>>
>>
>>> Either place is fine with me. Dan
>>>
>>> C. Andy Miller wrote:
>>>
>>>> Alan,
>>>>
>>>> Thanks for the offer of lunches! I'm ok with any location that
>>> suits
>>>> the group. My hope was however that four hours would be plenty if we
>>>> wanted to be disciplined with a more limited agenda. That being
>>> said
>>>> and considering Jim's long journey we may want to maximize his
>>>> availability. I don't know where the Klienschmidt offices are
>>> however.
>>>> The offer for DHEC offices still stands but would anyone have an
>>>> objection to the Kleinschmidt office?
>>>>
>>>> AM
>>>>
>>>> Andy Miller
>>>> Watershed Manager-Saluda/Santee
>>>> SCDHEC
>>>> Bureau of Water
>>>> (803)-898-4031
>>>>
>>>> www.scdhec.gov/water/shed/home.html
>>
>>>> < <http://www.scdhec.gov/water/shed/home.html>
>>>>

>>>> millerca@dhec.sc.gov <mailto:millerca@dhec.sc.gov>
>>>
>>>>
>>>>
>>>>
>>>> Alan Stuart 4/28/2006 12:37
>> PM
>>>>
>>>> Alison will you please take care of lunches for this meeting. It
>> would
>> seem
>>>> McAlister's or Village Gourment might be a good option.
>>>>
>>>> If the group believes this meeting will extend beyond 1:30,I will
>> propose to
>>>> meet at our Kleinschmidt office. We have enough space to accomdate
>>>> everyone.
>>>>
>>>> Alan
>>>>
>>>> -----Original Message-----
>>>> From: C. Andy Miller
>>>> To: jimruane@comcast.net; tufford@sc.edu
>>>> Cc: Alan.Stuart@KleinschmidtUSA.com;
>> Alison.Guth@KleinschmidtUSA.com;
>>>> wharden@mindspring.com
>>>> Sent: 4/28/06 10:07 AM
>>>> Subject: Re: RE: May 3rd meeting
>>>>
>>>> Folks,
>>>>
>>>> I'm able to retain the room here to 1:30 PM. Jim we appreciate your
>>>> willingness to discuss these issues in detail. We can work
>> through
>>>> lunch and order in sandwiches or plan on bringing a lunch and
>> having it
>>>> indoors or out to our covered area. If we do need additional time
>> we
>>>> might be able to move to another conference room since we are a
>> fairly
>>>> small group. So, if this arraignment is acceptable to all please
>>>> respond. I'll send back a draft agenda and building directions. If
>>>> there are other items ya'll think we can discuss at the end I'll
>> adjust
>>>> accordingly.
>>>>
>>>>
>>>> A
>>>>
>>>> Andy Miller
>>>> Watershed Manager-Saluda/Santee

>>>> SCDHEC
>>>> Bureau of Water
>>>> (803)-898-4031
>>>>
>>>> www.scdhec.gov/water/shed/home.html
>>>>
>>>> < http://www.scdhec.gov/water/shed/home.html
>>>>
>>>> < http://www.scdhec.gov/water/shed/home.html
>>>>
>>>> millerca@dhec.sc.gov <mailto:millerca@dhec.sc.gov
>>>>
>>>>
>>>> M
>>>> >>>> "Jim Ruane" 4/28/2006 8:24 AM >>>>
>>>>
>>>> Hi Andy and others
>>>>
>>>> Meeting at DHEC is fine with me, but we should consider allowing
>> more
>>>> time
>>>> for discussion, either thru lunch or after. We have a lot to cover,
>> and
>>>> there are a range of approaches to address the issues on your
>> agenda.
>>>> Each
>>>> of these approaches will have pros and cons, and it would be helpful
>> to
>>>> identify these.
>>>>
>>>> Thanks, Jim
>>>>
>>>> Richard J. Ruane, Reservoir Environmental Mgt., Inc.
>>>> 900 Vine Street Suite 5
>>>> Chattanooga, TN 37403
>>>> 423-265-5820; cell: 423-605-5820; Fax: 423-266-5217; jim@chatt.net
>>>>
>>>> ----- Original Message -----
>>>> From: "Alan Stuart"
>>>> To: "'Daniel Tufford '" ; "'C. Andy Miller '"
>>>>
>>>> Cc: ; "Alan Stuart"
>>>> ; >>>> "Alison Guth" ;
>>>>
>>>> Sent: Wednesday, April 26, 2006 6:58 PM
>>>> Subject: RE: RE: May 3rd meeting
>>>>
>>>>
>>>>> Gentlemen,
>>>>>
>>>>> Andy if the offer still stands go ahead and have it at DHEC's

>> offices.
 >>>> Dan
 >>>>> was correct in our conversation. However, I thought the meeting
 >> I
 >> was
 >>>>> originally planning to attend was at the training center and in
 >> later
 >>>>> discussions with Shane he alerted me they are meeting at Carolina
 >>>>> Research
 >>>>> Park. This location is closer to DHEC's offices. Dan, Thank you
 >> for
 >>> & gt; trying.
 >>>>>
 >>>>> Thanks,
 >>>>> Alan
 >>>>>
 >>>>> -----Original Message-----
 >>>>> From: Daniel Tufford
 >>>>> To: C. Andy Miller
 >>>>> Cc: jimruane@comcast.net; Alan.Stuart@KleinschmidtUSA.com;
 >>>>> Alison.Guth@KleinschmidtUSA.com; wharden@mindspring.com
 >>>>> Sent: 4/26/06 6:47 PM
 >>>>> Subject: Re: RE: May 3rd meeting
 >>>>>
 >>>>> I spoke with Alan today at the L&LM RCG meeting and expressed my
 >>>>> belief
 >>>>> that it
 >>>>> is very important that he be there with us. He indicated he would
 >> do
 >>>>> so
 >>>>> and
 >>>>> that it would be ea sier for him if we can meet at the training
 >> center,
 >>>>> where
 >>>>> another RCG meeting will be going on that day that he needs to be
 >> part
 >>>>> of as
 >>>>> well. He said he would check on availability of one of the
 >> smaller
 >>>>> rooms.
 >>>>> Unfortunately I had to leave the RCG meeting before lunch so I do
 >> not
 >>>>> know the
 >>>>> outcome of that. He did not rule out meeting with us at SCDHEC,
 >> but
 >>>>> has
 >>>>> a
 >>>>> strong preference for something closer to his other meeting.
 >>>>>
 >>>>> I hope you were able to get a room at the training center, Alan.
 >>>>>

>>>>> **Regards,**
 >>>>> **Daniel L. Tufford, Ph.D.**
 >>>>> **Research Assistant Professor**
 >>>>> **University of South Carolina**
 >>>>> **Department of Biological Sciences**
 >>>>> **Sumwalt 209F (office)**
 >>>>> **701 Sumter Street, Room 401 (mail)**
 >>>>> **Columbia, SC 29208**
 >>>>> **e-mail: tufford@sc.edu**
 >>>>> **web: <http://www.biol.sc.edu/~tufford>**
 >>
 >> < <http://www.biol.sc.edu/~tufford> >
 >>>>
 >>>>> **Ph: 803.777.3292 Fx: 803.777.3292**
 >>>>>
 >>>>>
 >>>>> **Quoting "C. Andy Miller" :**
 >>>>>
 >>>>>> **Jim and others,**
 >>>>>>
 > &g t; >>>> **For the May 3rd meeting, I had offered to hold it here at**
 >> **DHEC's**
 >>>> **Bull**
 >>>>> **Street**
 >>>>>> **Office. 9:30 to 12:00. If this is an agreeable location for**
 >> **you**
 >> **all**
 >>>>> **please**
 >>>>>> **respond to this e-mail ccing the others and I'll send some**
 >>>>> **directions**
 >>>>> **to our**
 >>>>>> **building. If another location is preferable please offer a**
 >>>>> **suggestion**
 >>>>> **to the**
 >>>>>> **group.**
 >>>>>>
 >>>>>> **Thanks,**
 >>>>>> **AM**
 >>>>>>
 >>>>>> **Andy Miller**
 >>>>>> **Watershed Manager-Saluda/Santee**
 >>>>>> **S CDHEC**
 >>>>>> **Bureau of Water**
 >>>>>> **(803)-898-4031**
 >>>>>>
 >>>>>>> **www.scdhec.gov/water/shed/home.html**
 >>
 >>>>> < <http://www.scdhec.gov/water/shed/home.html>
 >>>>
 >>>>> < <http://www.scdhec.gov/water/shed/home.html>
 >>>>

>>>>> millerca@dhec.sc.gov

>>>>>

>>>>>

>>>>>

>>>>>>> 4/25/2006 8:18 PM >>>>

>>>>>

>>>>> Hey folks

>>>>>

>>>>> I will be there on May 3. I think in one of our previous >> emails,
>> we

>>>>> worked

>>>>> out a time and place, but I am working at home and do not have
>> those

>>>>> emails.

>>>>> I'll check them in the morning at the office, but I am flexible
>> re:

>>>>> the time

>>>>> on May 3 if we need to change either the time or the place.

>>>>>

>>>>> Thanks, Jim

>>>>>

>>>>> ----- Original message -----

>>>>> From: Alan Stuart

>>>>> I see no harm in a meeting to discuss in general terms those
>> items

>>>>> Andy

>>>>> identified in his email . These issues appear more related to
>>>> DHEC's

>>>>> position as the regulatory entity of what may be potentially
>>>> available

>>>>> or

>>>>> required as part of the TMDL process. I believe the subject
>> matter

>>>>> Andy has

>>>>> identified could be discussed within or outside of the
>> relicensing

>>>>> process

>>>>> and without commitment by any of the parties.

>>>>>

>>>>> Jim, I think if you can work it in your schedule meeting face
>> to

>>>>> face

>>>>> with

>>>>> Andy and Dan would prove more beneficial than a long conference
>>>> call.

>>>>>

>>>>> I have as ked Alison to attend the meeting to facilitate minutes
>>>> preparation.

>>>>>

>>>>>

>>>>> Alan

>>>>>
>>>>>
>>>>> Alan W. Stuart
>>>>>
>>>>> Senior Licensing Coordinator
>>>>> Kleinschmidt Energy and Water Resources
>>>>> 101 Trade Zone Drive Suite 21A
>>>>> West Columbia, SC 29170
>>>>>
>>>>> Phone 803.822.3177
>>>>> Cell 803.640.8765
>>>>>
>>>>> -----Original Message-----
>>>>> From: C. Andy Miller [mailto:MILLERCA@dhec.sc.gov]
>>
>>> ;> <mailto:MILLERCA@dhec.sc.gov> >
>>>>> Sent: Monday, April 24, 2006 5:18 PM
>>>>> To: jimruane@comcast.net; tufford@sc.edu
>>>>> Cc: Alan.Stuart@KleinschmidtUSA.com;
>> Alison.Guth@KleinschmidtUSA.com
>>>>> Subject: May 3rd meeting
>>>>>
>>>>>
>>>>> Folks,
>>>>>
>>>>> I'd like to express the desire that we still meet on May 3rd as
>>>>> planned to
>>>>> discuss the issue of a TMDL on lake Murray. Even if we have
>> reached
>>>>> something of an impasse on the release of technical details of
>> the
>>>>> current
>>>>> modeling effort we should still be able to discuss:
>>>>>
>>>>> -The need for a TMDL on Lake Murray focusing on the Western
>> side of
>>>>> the
>>>>> impoundment
>>>>> -Sufficiency of the W2 as component of the TMDL
>>>>> -Is the current W2 a potential component (in principle) or
>> would we
>>>>> need a
>>>>> new one focusing on the Western end?
>>>>> -What other models would be needed to supplement the in lake
>>> processes
>>>>> model?
>>>>> -What kind of extra monitoring would be needed?
>>>>> -What other data would be needed?
>>>>>
>>>>> If Jim is not already going to be in Columbia that day I would
>>>> suggest

>>>>> a
>>>>> conference call.
>>>>> I think we owe it to the larger Water Quality RCG to have had
>>>> further
>>>>> discussion on the issue we were charged to address in order to
>> have
>>>> a
>>>>> report
>>>>>> at the May 23rd meeting. Please respond with your thoughts and
>> a
>>>>> decision on
>>>>>> the meeting.
>>>>>>
>>>>>> Thanks,
>>>>>> AM
>>>>>>
>>>>>> Andy Miller
>>>>>> Watershed Manager-Saluda/Santee
>>>>>> SCDHEC
>>>>>> Bureau of Water
>>>>>> (803)-898-4031
>>>>>>
>>>>>> www.scdhec.gov/water/shed/home.html
>>
>>>> < <http://www.scdhec.gov/water/shed/home.html>
>>>
>>>> < <http://www.scdhec.gov/water/shed/home.html>
>>>
>>>>>> millerca@dhec.sc.gov
>>>
>>
>>
>>
>>
>>
>

Kacie Jensen

From: Alison Guth
Sent: Monday, March 20, 2006 6:21 PM
To: BARGENTIERI@scana.com; Alan Stuart; RMAHAN@scana.com; 'bellsteve9339@bellsouth.net'; 'Rhett Bickley'; 'Dick Christie'; 'ahler@sc.dnr.gov'; 'Amanda_Hill@fws.gov'; 'Tony Bebber'; 'Bigbillcutler@aol.com'; 'truple@sc.rr.com'; 'David Hancock'; 'Tommy Boozer'; 'Van Hoffman'; 'SUMMER, MICHAEL C'; 'EPPINK, THOMAS G'
Cc: Alan Stuart; Alison Guth; 'Andy Miller'; 'Bertina Floyd'; 'Bill East'; 'Bill Marshall'; 'Bill Mathias'; 'btrump@scana.com'; 'Charlie Compton'; 'Charlie Rentz'; 'Chris Page'; 'Daniel Tufford'; 'David Allen'; 'Don Tyler'; 'George Duke'; 'Gerrit Jobsis (American Rivers)'; 'Hank McKellar'; 'Irvin Pitts (ipitts@scprt.com)'; 'James Smith'; 'Jennifer O'Rourke'; 'Joy Downs'; 'Kim Westbury'; 'Larry Turner (turnerle@dhec.sc.gov)'; 'Mark Leao'; 'Michael Murrell'; 'Mike Duffy'; 'Mike Waddell'; 'Parkin Hunter'; 'Patricia Wendling'; 'Patrick Moore'; 'Ralph Crafton'; 'Randal Shealy'; 'Richard Kidder'; 'Robert Keener (SKEENER@sc.rr.com)'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'ryanity@scana.com'; 'Suzanne Rhodes'; 'Theresa Powers (tpowers@newberrycounty.net)'; 'Tim Flach'; 'Tom Brooks'
Subject: L&LM TWC Meeting Notes

Hello All,

Attached is the Lake and Land Mgt TWC meeting notes from last Thursday's meeting and the agenda for next weeks (March 28th) TWC meeting. If you attended the meeting I will be happy to take changes to meeting notes themselves. If you did not attend I will accept comments only, to be included in a separate section of the notes. Also, please have any comments on the March 9 meeting notes back to me by Wednesday. Thanks Alison

<<2006-3-16 draft Meeting Minutes - LLM TWC.doc>> <<Lake and Land Management TWC Agenda 032806.doc>>

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
March 16, 2006**

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Tom Ruple, LMA
Bill Cutler - LW
Steve Bell, LW

Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Rhett Bickley – Lexington County
Van Hoffman – SCE&G
Mike Summer – SCE&G
Randy Mahan – SCANA Services

DATE: March 16, 2006

HOMEWORK ITEMS:

- SCE&G/KA to revise Buffer Zone and Riparian Management Plan per TWC comments

AGENDA TOPICS FOR NEXT MEETING:

- Picture Presentation on ESA's – Ron Ahle
- Discussion of ESA Management
- Discussion on Woody Debris Plan
- Discussion on Areas Below the 360'

**DATE OF NEXT MEETING: March 16, 2006 at 9:30 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that before the group began discussions on the Buffer Zone and Riparian Management Plan that Bill Cutler has asked to present a few items to the group. Bill Cutler noted that he has developed a Structured Work Process for the TWCs that he would like to

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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**SCE&G Training Center
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Draft ACG 3-17-06

present to this group for consideration, as well as the other TWCs if time was available. Bill C. distributed an explanation of the process (attached below) and noted that in his experience a framework helps to smooth the progression through the issues. He continued to explain the benefits of a structured process and noted that it would help to improve the quality of the final product and consensus can be built incrementally. He noted that it would also provide an audit trail which makes it possible to see how a particular decision came about.

Bill C. continued to go through the bulleted items on the handout with the group. Alan expressed concern with too rigid a framework because not every issue falls under a structured framework in terms of resolution. Bill C. agreed and noted that sometimes when an issue is small it is easy to work with and a rigid framework is not needed, however a framework serves to resolve the larger issues in a more efficient manner. Bill C. also noted that he believes that this process will provide a degree of bullet proofing against challenges at the end and provides a structure that assists the group in what needs to be covered, as well as helping as well as helping smoke out the stakeholders who are unaware or not able to attend. On the subject of compiling stakeholder interests, Dick Christie noted that he believes that it is the role of SCE&G and KA through the FERC process to identify the interested parties; he added that that particular step has already been taken in this process. Ron Ahle added that the members of the TWC have many stakeholders depending on the resource agencies to express their interests. Bill C. concluded by noting that he was offering this process as a proposal to the group and is willing to present this to the other groups as well if they are interested. Randy Mahan noted that this information could be distributed to the other TWCs and they can decide where to go from there.

The group then began an interactive review session of the Buffer Zone and Riparian Management Plan. The Plan, with group consensus comments is attached at the end of the document in Adobe format (double click on the front page to open Adobe).

The group discussed the term "Riparian" as it is used in the document and noted it is generally associated riverine areas. Alan explained that in this plan the term is defined as the area below the 360'. The group decided that for clarification purposes, the term Riparian would need to be further defined or another word needed to be substituted.

Tommy Boozer explained to the group that there is currently 22.9 miles of buffer zone on the lake, which equals about 206 acres. He noted that in the new plan, they were proposing a 75' non-disturbance zone. Dick Christie asked how many miles the new buffer zone would address. Tommy replied that it would apply to the Future Development lands and what is determined under reclassification.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
March 16, 2006**

Draft ACG 3-17-06

The group continued to go over the Plan and it was pointed out that it may be good to include a section on education. This would address a volunteer program that encouraged individuals to revegetate areas below the 360', such as areas that were destroyed by pine beetles. Tommy noted that many of the buffer zones issued under the old permits had allowable limited brushing. Tom Ruple pointed out that many individuals are not aware of where the 360' is located. David Hancock explained that they have placed irons, painted trees, and put up signs on the majority of fringelands. Dick Christie asked if SCE&G would mark an unmarked area if a landowner requested it. Tommy noted that they could do that.

The group began to discuss the various definitions for land classifications. Randy suggested that Future Development lands could be better defined as lands that are available for sale and/or use up to and including development. Dick Christie noted that the FERC 18 CFR Sec. 4.41 had a good definition for buffer zones, and the group decided that it would be used in the plan.

After lunch the group began to discuss the section on Management Actions. Ron Ahle made a few suggestions on amending this section and noted that it may be beneficial to have a brief statement on Forest and Game management areas included. The group decided to split this section into two paragraphs, one describing management actions from 1984-2005 and one paragraph describing management actions from 2005 onward (SCE&G to develop paragraph strawman).

The next section the group discussed was Monitoring and Compliance. Ron Ahle noted that documentation of planting successes and failures can be beneficial in the improvement of survivorship over time. Ron continued to note that it would consist of a structured procedure in which growth would be monitored. It was suggested that this plan could be implemented when a violation has taken place and could require a land owner to provide pictures and measurements of newly planted species for a certain period of time. The group concluded that this would be addressed further under the revegetation plan.

In discussions on the Buffer Zone and Revegetation plan, the group concluded that only Zone 1 (area below 360) and Zone 2 (buffer zone) be included. Several individuals expressed concern that Zone 3 may unintentionally invite landowners to privatize the buffer zone with non-native grasses.

The group briefly discussed violations and how the plan would be implemented. In such cases of natural occurrences (e.g. lightning, pine beetles), Steve Bell suggested that SCE&G first encourage the individual to use the revegetation plan, or otherwise let it grow back naturally. The group agreed that it may be beneficial to consider that option.

Ron Ahle noted that he believed the 25' spacing of trees in the 75' buffer may not be adequate. He explained that if the spacing was shortened to 24' then there would be 2x the amount of trees.

MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC***

***SCE&G Training Center
March 16, 2006***

Draft ACG 3-17-06

Through some discussion it was decided that a 15' requirement would be placed in the plan with a maximum of 24' that could be implemented at the discretion of SCE&G. The group also decided that Sweetgum would be taken of the list of recommended species for planting in the buffer and all recommended grasses would be limited to those native species.

The group concluded the meeting and noted that it would be beneficial to include Norman Boatwright in the next meeting. Ron Ahle would also give a picture presentation on ESAs.

Meeting Adjourned

Attached below is the agenda, the TWC Work Processes Handout proposed by Bill Cutler, and the edited version of the Buffer Zone and Riparian Management Plan (double-click on the page and Adobe should open).

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC*

*SCE&G Training Center
March 16, 2006*

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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Agenda

March 16, 2006

9:30 AM

Lake Murray Training Center

- Interactive Review of Buffer Zone Management Plans
- Discussion on Additional Criteria for Future Buffer Zone Enhancements and Potential Restoration



MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC***

***SCE&G Training Center
March 16, 2006***

Draft ACG 3-17-06

A Structured Work Process for the TWCs

Benefits of a structured process

- Complete and thorough consideration of all factors
- Everyone on the same page
- Consensus is built incrementally
- Enables work to be done via the internet
- Builds an audit trail to support reviews and respond to challenges
- Uniformity of products across the project

TWC Issue Resolution Report Template

1. Definition of the Issue
2. Stakeholder Audit
3. Compilation of Stakeholder Interests
4. Definition of Success
5. Solution Options
6. Methods of Evaluation
7. Selected Solution .

These process steps cover all the needed elements of a successful issue resolution, and contain nothing extraneous. If a successful issue resolution is desired, nothing can be left out, and nothing needs to be added.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT TWC

**SCE&G Training Center
March 16, 2006**

Draft ACG 3-17-06

A Structured Work Process for the TWCs William H. Cutler February 10, 2006

A structured work process can enhance the efficiency and quality of the work done by the TWCs under the various RCGs

Benefits of a structured process.

- Complete and thorough consideration of all factors bearing on issue resolution
- Everyone on the same page on each issue
- Consensus is built incrementally toward a final agreement that is acceptable to all stakeholders
- Enables work to be done via the internet, speeding up the process and minimizing the need for meetings
- Builds an audit trail to support reviews and respond to challenges
- Uniformity of products across the project

A structured process implements the measures of the Operating Procedures document that governs the activities of the RCGs.

Paragraph 2.6 says, in part:

“Identify all stakeholders, their interests and issues...”

Paragraph 2.7 says, in part:

- 1. Encourage dialog which (1) gets at the deeper interests, values and priorities of the stakeholders, and (2) is structured to provide the inputs needed by subsequent stages in the solution-discovery process.”
- 2. Document stakeholder interests...”
- 3. At every step along the solution-discovery pathway, validation of every decision is established...”

A standardized structured work process can be implemented by adopting a template for the reports prepared by the TWCs that describe their proposed resolution for each of the issues they address. This report template would consist of the following sections.

TWC Issue Resolution Report Template

1. A Definition of the Issue, describing scope, content, and related factors as known at the outset. This definition may be revised as information is developed in the course of the issue resolution process.
2. A Stakeholder Audit, enumerating all the stakeholders, as individuals or classes, that have an interest in the issue. This audit would include measures taken to ensure that each stakeholder is engaged in the process, either by actual participation or by representation by a surrogate. The following definition of stakeholder is proposed: “Stakeholders are any with an interest in the outcome of the issue, whether they know it or not, and any who believe they have an interest, whether they do or not.” This broad and inclusive definition of stakeholder is of benefit because it ensures that all relevant stakeholders are included, thereby strengthening the solution, and that any significant challenges are anticipated and dealt with in advance.
3. A Compilation of Stakeholder Interests that expresses, to the satisfaction of each stakeholder, the concerns, interests, values and priorities held by each stakeholder regarding the issue in question.

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4. A Definition of Success which describes the qualities of an outcome (independent of specific features of any particular solution to be selected later) that would be acceptable to all stakeholders, along with whatever Measures of Effectiveness are appropriate to quantify realization of the desired qualities. This represents an idealized "wish list" and may contain conflicts to be resolved at later stages in the process. In general, the Definition of Success is more than a mere reiteration of stakeholder interests. Rather, it is a translation of those interests into a description of the outcome which is used as the standard for selecting the final solution.

5. A description of the Solution Options that were considered, as well as those rejected for consideration, with justification for these decisions. Include also a description of the strategy used to generate solution options, and how conflicts within the Definition of Success are resolved in design of a solution, by compromise, tradeoff, or discovery of a creative solution which erases the conflict.

6. A description of the Methods of Evaluation that are used to determine which solution option best satisfies the Definition of Success. This would include data, models, methods of analysis, etc. as appropriate to the issue. Studies necessary to support issue resolution are identified here.

7. A description of the Selected Solution that results from application of all the previous steps, with justification. Include analysis of considerations unique to the selected solution that may not have been addressed in previous steps.

These process steps cover all the needed elements of a successful issue resolution, and contain nothing extraneous. If a successful issue resolution is desired, nothing can be left out, and nothing needs to be added.

This structured process enables working via the internet. A section editor is assigned to each of the sections of the report. The members of the TWC e-mail suggestions to the section editor who uses them to prepare a working draft of the section. The working draft is e-mailed to TWC members, who then review and make additional suggestions. Face-to-face meetings may be held as necessary to iron out differences. When all TWC members are satisfied, the report is ready for submittal to the RCG members for familiarization prior to a RCG meeting where the report is reviewed.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
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**SOUTH CAROLINA ELECTRIC &
GAS COMPANY**
COLUMBIA, SOUTH CAROLINA

SALUDA HYDROELECTRIC PROJECT
FERC PROJECT NO. 516

BUFFER ZONE AND RIPARIAN MANAGEMENT PLAN

JANUARY 2006

Prepared by:

Kleinschmidt
Energy & Water Resources Consultants

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Agenda

March 28, 2006

9:30 AM

Lake Murray Training Center

- Picture Presentation on ESA's – Ron Ahle
- Discussion of ESA Management
- Discussion on Woody Debris Plan
- Discussion on Areas Below the 360'

Saluda
HYDRO
RELICENSING

From: Alison Guth
Sent: Friday, March 17, 2006 12:56 PM
To: Wenonah Haire; Aaron Small; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Green; Bill Hulslander; Bill Marshall; Bill Mathias; Bob Seibels; Brandon Stutts ; Bret Hoffman; Brett Burse; btrump@scana.com; Bud Badr; Buddy Baker ; Cam Littlejohn; Chad Long; Charlene Coleman; Charles Floyd; Charlie Compton; Charlie Rentz; Chris Judge; Chris Page; Craig Stow; Daniel Tufford; Dave Anderson; Dave Landis; David Allen; David Hancock; David Jones; David Price; Dick Christie; Don Tyler; Donald Eng; Ed Diebold; Ed Fetner; Edward Schnepel; George Duke; Gerrit Jobsis (American Rivers); Gerrit Jobsis (CCL); Gina Kirkland; Guy Jones; Hal Beard; Hank McKellar; Irvin Pitts (ipitts@scprt.com); James Smith; Jay Robinson; Jeanette Wells; Jeff Duncan; Jennifer O'Rourke; Jennifer Price ; Jennifer Summerlin; Jerry Wise; Jim Devereaux; Jim Glover; Jim Goller; Jim Ruane ; JoAnn Butler; Joe Logan; John and Rob Altenberg; John Davis (johned44@bellsouth.net); Jon Leader; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Ken Uschelbec; Kenneth Fox; Kim Westbury; Kristina Massey; Larry Michalec; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Malcolm Leaphart; Marianne Zajac; Mark Leao; Marty Phillips; Mary Kelly; Michael Murrell; Mike Duffy; Mike Sloan; Mike Summer (msummer@scana.com); Mike Waddell; Miriam Atria; Norm Nicholson; Norman Ferris; Parkin Hunter; Patricia Wendling; Patrick Moore; Prescott Brownell; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Ray Ammarell; Rebekah Dobrasko; Reed Bull (rbull@davisfloyd.com); Rhett Bickley; Richard Kidder; Richard Mikell; Robert Keener; Robert Lavisky; Ron Ahle; Ronald Scott; Roy Parker; Russell Jernigan; ryanity@scana.com; Sam Drake; Sandra Reinhardt; Sean Norris; Shane Boring; Stanley Yalicki; Steve Bell; Steve Leach; Steve Summer; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tim Vinson; Tom Bowles (tbowles@scana.com); Tom Brooks; Tom Eppink; Tom Ruple; Tom Stonecypher; Tommy Boozer; Tony Bebbler; Van Hoffman; Wade Bales (balesw@dnr.sc.gov); Mike Schimpff; Brandon Kulik; Marty Phillips

Subject: Final Feb 9th notes

Hello all:

Attached to this email is the final meeting notes for the Feb 9th Lake and Land Management meeting. They will also be posted to the web. Thanks, Alison



2006-2-09 final
Meeting Minute...

Alison Guth
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
February 9, 2006**

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ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Randy Mahan, SCANA Services
George Duke, LMHC
Chris Page, SCDNR
Dan Tufford, USC
Dick Christie, SCDNR
Bertina Floyd, LMHOC
Joy Downs, LMA
Richard Kidder - LMA
Mike Summer – SCE&G
Tom Ruple- LMA

Mike Murrell, LMA
Tom Brooks, Newberry County
Don Tyler, LMA & LMHC
Bill Marshall, SCDNR & LSSRAC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebbler, SCPRT
Rhett Bickley – Lexington County
Ronald Scott – Lexington County
Bill Mathias, LMA & Lake Murray Power Squadron

DATE: February 9, 2006

HOMEWORK ITEMS:

- Develop SMP StrawMan – SCE&G
- Read SMP and Highlight Items of Interest or Concern for Discussion – Everyone
- Contact FERC Representative, Allan Creamer, to Arrange a Visit to the Next Quarterly Public Meeting – Bill Argentieri
- Discuss with Orbis the Potential for Developing Aerial Survey Photography Above the 360 to Satisfy LIDAR Request – Tommy Boozer
- Send SCE&G MOU with Santee Cooper on Aquatic Plants – DNR (Chris Page, Ron Ahle or Dick Christie)

AGENDA TOPICS FOR NEXT MEETING:

- To be determined by TWC

MEETING NOTES

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DATE OF NEXT MEETING: **April 26, 2006 at 9:00 a.m.**
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that the first order of business was to discuss the status of the meeting minutes from the previous meeting. He noted that he would like to finalize these notes and asked if anyone from the group had something that they would like to add or change. The group agreed that the notes could be finalized and the group read the mission statement together.

During the first quarter of the meeting David Hancock briefly went through the Shoreline Management Booklet prompting discussion on various topics referenced therein. Alan indicated the booklet would likely change significantly as a new SMP was prepared.

The group discussed the general makeup of what they felt should be contained in the new SMP. It was pointed out that it would be important to have general guidelines with some flexibility for implementation.

It was noted that one homework item for the group would be to go through the Shoreline Management Booklet. Alan proposed that one of the missions of the Technical Working Committee would be to develop the components of the Shoreline Management Booklet, discussing the objectives with the RCG. The group decided that it would be beneficial if SCE&G first provided a strawman of the Shoreline Management Booklet that the TWC could add onto and change as they see fit. The group agreed that this would be beneficial.

The group began to discuss the buffer zone management. Alan noted that a buffer zone management plan has been sent to the FERC. Rhett Bickley asked SCE&G what percent of shoreline on the Lower Saluda River was managed by SCE&G. It was noted that it was approximately 50 percent. Tony Bebbler added that it may be beneficial to consider a type of voluntary program for those properties that are not under SCE&G ownership. Tommy Boozer agreed that it could be incorporated as a part of public outreach and public education.

Ron Ahle noted that he believed that the group should meet on an annual basis to discuss how the plan was or was not working and make suggested changes to the next plan. Tommy noted that public response and communication was also important and helped to keep down the number of violations. The group also decided that it would be beneficial for the FERC Representative for the Saluda Project to visit the next Quarterly Public Meeting in order to answer relicensing questions.

MEETING NOTES

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The group began an interactive discussion on issues and TWCs. Amanda Hill noted that the Woody Debris Management was not included in the list of issues. Alan pointed out that a Woody Debris Management Plan was developed and accepted by the agencies and would subsequently be included into the ESA. The issues are attached below and filed underneath their appropriate subsection as agreed upon by the group.

Buffer Zone Restoration/Management

1. ***Lake Watch 2nd Priority : Buffer Zone restoration-*** *A technical committee should be formed to assess all buffer zones on the lake for compliance with current and past guidelines and restrictions etc. The cause of excessive clearing should be determined, the existing restoration plan should be re-evaluated and updated if necessary.*
2. ***USFWS 4th Priority: Buffer Zone Management***
3. ***Newberry County 6th Priority: Buffer Zone Management***
4. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a buffer zone management plan that includes restoration measures for buffer zone areas that have been improperly cleared by landowners***
5. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a map identifying intermittent and perennial streams and their associated 75' buffer***

ESA Identification and Management

6. ***DNR Priority: We also request that specific management restrictions be developed and incorporated into the SMP that would control encroachments into ESA's, conservation areas, and other natural areas.***
7. ***USFWS 5th Priority: ESA management policy***
8. ***Newberry County 11th Priority: ESA Management***
9. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include guidelines for restrictions within the 50' buffer surrounding the ESA's***
10. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a map showing ESA's in front of all easement properties***
11. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a woody debris and stump management plan***

Land Reclassification

12. ***USFWS 2nd Priority: Updated Shoreline Classification for Lake Murray and Lower Saluda River***
13. ***Newberry County 4th Priority: Updated Shoreline Classification***

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14. **DNR Priority:** SCE&G is in the process of revising land classifications, and we request an updated classification that clearly describes the existing use of the property, acreage and mileage of shoreline associated with each classification.
15. **DNR Priority:** Our primary concern with the SMP plan continues to be rebalancing of shoreline classifications. In a 2004 order, FERC recognized that the shoreline classifications are weighted heavily towards development and stated that rebalancing is needed. We, along with other resource agencies and stakeholders, have repeatedly asked for and continue to recommend that rebalancing be completed.
16. **DNR Priority:** Project lands associated with the Lower Saluda River have been less developed, and the riparian buffers and natural features associated with most of these lands are still intact. We request a summary of project lands and their current classifications, to include acreage and mileage of shoreline.
17. **Lake Watch 7th Priority:** Social-economic- a technical committee should be formed to evaluate the socia-economic impacts associated with LUSMP including development and ecotourism – **Land Reclassification**
18. **SCPRT 1st Priority:** Ensure that recreational facilities and opportunities are protected and enhanced for current and future users, on and near the lake and river. - **(To be considered under Land Reclassification Discussion)**
19. **SCPRT 2nd Priority:** Provide sufficient recreation and nature-based tourism opportunities to support the growing population of the region throughout the license period. - **(To be considered in the Land Reclassification Discussion)**
20. **SCPRT 3rd Priority:** Provide safe and enjoyable recreation experiences for the boating and non-boating public including state residents and visitors. - **(To be considered in the Land Reclassification Discussion)**
21. **SCPRT 4th Priority:** Conserve natural, cultural, and recreational resources for future generations to enjoy. - **(To be considered in the Land Reclassification Discussion)**
22. **SCPRT 5th Priority:** Include enough land in the project boundary to assure optimum development of recreational resources afforded by the project. - **Recreation RCG and to be considered in the Land Reclassification Discussion)**
23. **SCPRT Priority:** The Saluda project (lake and regulated river) offers tremendous opportunities for parks, recreation, and tourism now and in the future. We are concerned that insufficient project shoreline has been set aside for public recreation, especially shore-oriented recreation such as bank/pier fishing, picnicking, camping, wildlife watching, and hiking/walking. As the population of this area grows and as this resource becomes more attractive to potential visitors from other areas, more shoreline and adjacent properties will be needed to serve the recreational and natural resource needs of the public. In the current Shoreline Management Plan

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(SMP), very little of the shoreline on the lake has been set aside for current or future public recreation. Some of this recreational shoreline includes the islands which are generally inaccessible except by boat. Approximately 75 percent of the shoreline is developed or planned for future development. We believe that this development has impacted recreation use, visual aesthetics (**a value to be considered in all TWC**), fish and wildlife habitat, and water quality. We request that SCE&G review the current allocation for the project in consultation with resource agencies and stakeholders and identify a more balanced allocation that will meet the public recreation and natural resource needs over the life of the license. To accomplish this, an updated classification of the existing use of the property, acreage, and shoreline mileage associated with each classification should be completed and the shoreline management plan should be updated. - **(To be considered in the Land Reclassification Discussion)**

24. **SCPRT Priority:** The ICD reports that only 404 acres are provided for public recreation on Lake Murray which includes the 348 acre Dreher Island State Park. The access areas listed are small - from 1.1 acre to 17.9 acres - with most under 10 acres (excluding the state park and three sites that did not list acreage). On the Saluda River, Saluda Shoals Park is 240 acres and the other three access areas are small (Gardendale acreage not identified). We suggest acreage be added to all small sites to the extent possible to allow for future expansion as recreational needs change and to provide options for shore based recreation. **Recreation RCG and Land Reclassification Discussions**
25. **DNR Priority:** The access areas listed are small with most under 10 acres (excluding the state park) and we are concerned that adequate shore based recreational activities are not available for public use. Information regarding future plans to develop shore based recreational access is needed - **Recreation RCG and Land Reclassification TWC Discussion**
26. **SCPRT Priority:** A "build out" scenario should be used to identify the volume of use based on future development proposed in the shoreline management plan. This should help identify areas to avoid or target for new recreational access and may also identify areas that should be addressed for amendments to the shoreline management plan. Information is needed on how the "build out" will affect boating carrying capacity, water quality, and fish and wildlife habitat. - **Land Reclassification Discussion**
27. **Newberry County 2nd Priority:** Total Build-Out Study - **Land Reclassification Discussion**
28. **USFWS 6th Priority:** Total Build-Out - **Land Reclassification Discussion**
29. Permanent protection of a new state park property with significant shoreline on the Lexington/Saluda side of the lake. - **Land Reclassification Discussion**

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30. *Conservation of areas identified as important during interagency review of shoreline management maps. - **Land Reclassification Discussion***

Lake Murray Land Sales – (Include as subcommittee to Land Reclassification)

31. *USFWS 3rd Priority: Future Fringeland Sale Policy*
32. *Newberry County 5th Priority: Future Fringeland Sale*

Shoreline Permitting

33. *Lake Watch 8th Priority: We recommend that recent studies on Shoreline Development Impacts on TVA Rivers and Lakes and recent US Army Corps studies associated with shoreline management updates be used as part of the information available to address issues in this committee. A sub-committee under #5 [Land Use and Shoreline Plan] could be formed to retrieve this information along with any other request. – **Shoreline Permitting***
34. *Newberry County 14th Priority: Review current Shoreline permitting fees - **Shoreline Permitting Discussion***

Residential, Commercial, Public, Private, and Multi-Slip Dock Permitting – All Docks (subcommittee of Shoreline Permitting)

35. *USFWS 7th Priority: Residential, Commercial, and Common Docks*
36. *Newberry County 13th Priority: Residential Docks*
37. *Newberry County 15th Priority: Commercial Multi-use Dock procedure*
38. *Newberry County 16th Priority: Common Dock Regs*
39. *Lake Watch 4th Priority: Marina construction- A technical committee should be formed to review and update the current guidelines and policies regarding the permitting of private and commercial marinas*

General Shoreline Management

40. *Newberry County 9th Priority: FERC Lake Murray Shoreline Management Plan Update – **General Outline to be developed by SCE&G***
41. *Lake Watch 5th Priority: Land Use and Shoreline Plan- A technical committee should be formed to review the existing LUSMP line by line to discuss the need for making changes with the goal of submitting recommendations back to the larger group for discussion. One outcome would be to put together in one document the*

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entire LUSMP. The entire plan now can only be found as bits and pieces of the past record. - General Outline to be developed by SCE&G

42. *Newberry County 8th Priority: General Permits – Shoreline Permitting*

43. *Newberry County 7th Priority: General Shoreline Activities – Shoreline Permitting*

Excavation -

44. *USFWS 9th Priority: General Shoreline Activities/Excavation policy - Shoreline Permitting*

45. *Newberry County 12th Priority: Excavation policy - Shoreline Permitting*

Erosion and Sedimentation

46. *Lake Watch 6th Priority-Erosion- A technical committee should be formed to determine the extent of erosion problems on the project's shoreline and submit recommendations back to the overall group for review and discussion.*

47. *DNR Priority: Parts of the plan [SMP] that have not been resolved include: an erosion and sedimentation control plan*

Other

48. *Newberry County 1st Priority: LIDAR up to at least the PBL (Project Boundary Line) – not scheduled for Newberry and Saluda counties, Richland (2003) and Lexington (2004) counties have it. (Parking lot)*

49. *Lake Watch 1st Priority: Communication between SCE&G and stakeholders - A technical committee should be formed to study how SCE&G and stakeholders can better communicate and work together to achieve the goals and objectives implemented in the new license plan. - General Outline to be developed by SCE&G*

Information Needs/Study Requests

50. *USFWS 1st Priority: Existing Studies - Complete*

51. *Newberry County 3rd Priority: Existing Studies - Complete*

52. *Lake Watch 3rd Priority: Federal and state regulations and/or requirements- A technical committee should be formed to determine and review all Federal and State regulations that relate to or have impact on the management of the reservoir, the lower Saluda and lands within the project boundaries. This committee should arrange to meet with FERC staff and discuss and clarify all FERC regulations or*

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*requirements associated with lake and land management – FERC Relicensing
Contact to talk at public meeting*

**FOR CONSIDERATION TO BE HANDLED BY THE AQUATIC PLANT MANAGEMENT
COUNCIL – (parking lot), one suggestion is to develop MOU with SCDNR to address this**

Newberry County 10th Priority: Aquatic Plant Management Program

USFWS 10th Priority: Aquatic Plant Management

*DNR Priority: Information such as species composition, location, and acreage of
aquatic plants in the project is needed to develop an aquatic plant management plan.*

FOR CONSIDERATION TO BE HANDLED IN THE CULTURAL RESOURCE RCG

*SCPRT Priority: There are many known and unknown cultural resources located within
the project boundary. A plan should be developed in coordination with appropriate
resource agencies to identify and protect these valuable resources*

FOR CONSIDERATION TO BE HANDLED IN THE FISH AND WILDLIFE RCG

*SCPRT Priority: Due to state laws affecting Lake Murray, each new building or marina
on the lake further restricts waterfowl hunting. An estimate of remaining legal
waterfowl hunting areas should be mapped for consideration of designated waterfowl
hunting areas*

USFWS 11th Priority: Waterfowl Hunting Areas

Newberry County 17th Priority: Waterfowl Hunting

*DNR Priority: Parts of the plan [SMP] that have not been resolved include the
designation of new waterfowl hunting areas to compensate for those lost to land sales
and development*

FOR CONSIDERATION TO BE HANDLED IN THE RECREATION RCG –

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DNR Priority: In the lower Saluda River, flows are needed to support wade fishing and paddling. Information is needed regarding the flows that provide optimal recreational opportunity and when they should be provided. – Operations RCG

Access Points

DNR Priority: the location and property for a large, multi-lane boating event site should be explored. - Recreation RCG

DNR Priority: Ensuring the public has adequate access to the project is a high interest of the agency. A description of public recreation sites is provided in the ICD (Table E-15). However, no indication of capacity or handicapped accessibility is provided, and we request that information be included. – Recreation RCG

Total Build-Out Scenarios

SCPRT Priority: A boat carrying capacity study should be performed for Lake Murray to identify concerns with current or future over-crowding and safety. As part of the process, include an inventory of current and future residential docks, public and private marinas, dry storage, and other boat access opportunities. Project related accidents during the current license period should be identified for use in addressing safety needs. This study will identify areas to target or avoid for new boating facilities. – The study will be done by Recreation RCG, results made available to Lake and Land Management TWC

DNR Priority: Information regarding recreational use and needs, projected for at least 10 years, is needed to plan for future recreational enhancements. – Recreation RCG

Specific Priorities From SCPRT That Could be Handled in the Recreation RCG

Permanent protection for Dreher Island State Recreation Area. - Recreation RCG

Continuation of existing recreational resources on Lake Murray and new/expanded resources where possible and appropriate. – Recreation RCG

Continued implementation of the Lower Saluda River Corridor Plan & Update, including additional recreational access at “Sandy Beach”, I-20, I-26, take out above

MEETING NOTES

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*Mill Race Rapids, and development of the Saluda River greenway and Three Rivers Greenway. – **Recreation RCG***

*Continuation of existing recreational resources on the Saluda River. - **Recreation RCG***

*Maintenance/enhancement of the scenic integrity of Lake Murray and the Saluda River. – **All TWC and RCG***

*Identification and enhancement of paddling opportunities in the tributaries and tributary arms of the lake. - **Recreation RCG***

FOR CONSIDERATION TO BE HANDLED IN THE SAFETY RCG

*DNR Priority: we are interested in identifying ways to reduce the number of water related deaths and accidents associated with the project. We request that a list of all project related accidents that occurred during the existing license period be provided, as well as any accommodations in project operations or facilities by the licensee to address these accidents. – **Safety RCG***

There was a brief discussion on LIDAR. Chris Page explained that it was basically a form of radar that could give you good digital elevations among other things. He noted that it had been performed in Lexington in 2004 and Richland in 2003. He further explained that LIDAR has not been performed in Newberry or Saluda Counties. Tom Brooks noted that they were looking for contours up to the PBL and if SCE&G worked with Newberry and Saluda counties that the LIDAR could be completed in a more cost effective manner. There was some discussion among the group on this topic. Tommy noted that they had aerial photography from the 360 to the 355 and they would ask Orbis for information on what the capabilities are for developing more information above the 360.

There was some discussion among the group on the issue of aquatic plants. Alan noted that in discussions with Chris Page and Tommy Boozer these issues would be addressed by the Aquatic Plant Management Council. Bill Argentieri noted that the dates of Aquatic Plant Management Council meetings would be posted to the website as SCE&G is made aware of the meetings. Alan asked if it would be okay if a Memorandum of Understanding could be worked out with DNR addressing this issue and shared with the group and the group agreed that that would be acceptable. DNR noted that they would send a copy of the MOU they had with Santee Cooper to SCE&G as an example.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
February 9, 2006**

Final ACG 3-17-06

After the group finished going through the issues, they then began to develop the list of members for the TWC. Dick Christie noted that in his experience with Duke the TWC was relatively small, less than 10 people, and consisted mainly of people who were recognized for their technical knowledge and also of a few stakeholders. He added that he believed it was important to include a few stakeholders that may not have all of the technical expertise but were able to provide a “real world” view.

The group agreed that there would be one core TWC that would address all of the issues. Everyone agreed that the TWC would consist of the members listed below and would discuss the following major topics and the items included therein (see pages 3-10 for a list of all of the items):

Lake & Land Management TWC Participants

Dick Christie - SCDNR
Amanda Hill - USFWS
Tony Bebbler - SCPRT
Ron Ahle - SCDNR
Tommy Boozer – SCE&G
David Hancock – SCE&G
Van Hoffman – SCE&G
Andy Miller – SCDHEC
Alan Stuart – Kleinschmidt
Steve Bell – Lake Watch
Joy Downs – LMA

- **Buffer Zone Management**
Limited Brushing Below 360 El.
- **ESA Identification and Management**
Woody Debris & Stump Management
- **Land Reclassification**
Land Sales
- **Erosion and Sedimentation**
- **Shoreline Permitting**
Commercial, residential, public, private, multi-slip docks

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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February 9, 2006**

Final ACG 3-17-06

Excavation

- **Shoreline Management Plan Outline**
SCE&G to take lead in developing strawman

The dates for the next TWC meetings would be March 9th, March 16th, March 21st and March 30th.
The RCG decided to meet on the 26th of April.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
February 9, 2006**

Final ACG 3-17-06

**Saluda Hydro Relicensing
Lake and Land Management Resource Conservation Group**

Meeting Agenda

February 9, 2006

9:00 AM

Lake Murray Training Center

- **9:00 to 9:30** Review of Meeting Notes from 12-8-05
 - **9:30 to 9:35** Review of Mission Statement
 - **9:35 to 11:45** Begin Discussion of Priority Issues
 - **11:45 to 12:15** Lunch
 - **12:15 to 2:30** Continued Discussion of Priority Issues
 - **2:30 to 2:45** Discussion of Presentations Needed to Address Priority Issues
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Meeting
 Next
- Adjourn



From: Alison Guth
Sent: Friday, February 17, 2006 5:17 PM
To: Alan Stuart; Alison Guth; 'billeast@sc.rr.com'; 'marshallb@dnr.sc.gov'; 'flyhotair@greenwood.net'; 'tufford@sc.edu'; 'dchristie@infoave.net'; 'tyle6544@bellsouth.net'; 'kayakduke@bellsouth.net'; 'gjobsis@americanrivers.org'; 'Bkawasi@sc.rr.com'; 'Elymay2@aol.com'; 'mdmurr@sc.rr.com'; 'parkin@parkinhunter.com'; 'wwending@sc.rr.com'; 'PatrickM@scccl.org'; 'crafton@usit.net'; 'rkidder@pbtcomm.net'; 'RESKKEENER@PBTCOMM.Net'; 'ahler@dnr.sc.gov'; 'royparker38@earthlink.net'; 'r1shealy@aol.com'; 'bellsteve9339@bellsouth.net'; 'suzrhodes@juno.com'; 'tbrooks@newberrycounty.net'; 'truple@sc.rr.com'; 'tboozer@scana.com'; 'tbebbber@scprt.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; BARGENTIERI@scana.com; 'btrump@scana.com'; 'rbickley@lex-co.com'; RMAHAN@scana.com; 'bill25@sc.rr.com'; 'bigbillcutler@aol.com'; 'amanda_hill@fws.gov'; 'mark_leao@fws.gov'; 'pagec@dnr.sc.gov'; 'dhancock@scana.com'; 'ryanity@scana.com'; 'tpowers@newberrycounty.net'; 'vhoffman@scana.com'; 'millerca@dhec.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'msummer@scana.com'

Subject: Final Dec 8th Notes
Hello Lake and Land Management Group,

Attached is the final copy of the December 8th Meeting Notes. Hope everyone has a great weekend. Alison



2005-12-08 Final
Meeting Minut...

Alison Guth
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101 Trade Zone Drive
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Kacie Jensen

From: Bigbillcutler@aol.com
Sent: Thursday, March 16, 2006 8:41 PM
To: Alison Guth
Subject: TWC Work Process notes

Alison,

Here is the text of the handouts I presented at the LLMTWC this morning. I've included it in the body of this message below, and also as attached files, whichever is easier for you to use.

Sorry it is coming at the end of the day. My personal business this afternoon took a lot longer than I'd expected and I didn't get home until dinner time. I hope this is soon enough for you to include it in the meeting notes.

Regards,
 Bill Cutler

 A Structured Work Process for the TWCs

Benefits of a structured process

- Complete and thorough consideration of all factors
- Everyone on the same page
- Consensus is built incrementally
- Enables work to be done via the internet
- Builds an audit trail to support reviews and respond to challenges
- Uniformity of products across the project

TWC Issue Resolution Report Template

1. Definition of the Issue
2. Stakeholder Audit
3. Compilation of Stakeholder Interests
4. Definition of Success
5. Solution Options
6. Methods of Evaluation
7. Selected Solution .

These process steps cover all the needed elements of a successful issue resolution, and contain nothing extraneous. If a successful issue resolution is desired, nothing can be left out, and nothing needs to be added.

 A Structured Work Process for the TWCs

William H. Cutler
 February 10, 2006

A structured work process can enhance the efficiency and quality of the work done by the TWCs under the various RCGs

Benefits of a structured process.

- Complete and thorough consideration of all factors bearing on issue resolution
- Everyone on the same page on each issue

- Consensus is built incrementally toward a final agreement that is acceptable to all stakeholders
- Enables work to be done via the internet, speeding up the process and minimizing the need for meetings
- Builds an audit trail to support reviews and respond to challenges
- Uniformity of products across the project

A structured process implements the measures of the Operating Procedures document that governs the activities of the RCGs.

Paragraph 2.6 says, in part:

"Identify all stakeholders, their interests and issues..."

Paragraph 2.7 says, in part:

- 1. Encourage dialog which (1) gets at the deeper interests, values and priorities of the stakeholders, and (2) is structured to provide the inputs needed by subsequent stages in the solution-discovery process."
- 2. Document stakeholder interests..."
- 3. At every step along the solution-discovery pathway, validation of every decision is established..."

A standardized structured work process can be implemented by adopting a template for the reports prepared by the TWCs that describe their proposed resolution for each of the issues they address. This report template would consist of the following sections.

TWC Issue Resolution Report Template

1. A Definition of the Issue, describing scope, content, and related factors as known at the outset. This definition may be revised as information is developed in the course of the issue resolution process.
2. A Stakeholder Audit, enumerating all the stakeholders, as individuals or classes, that have an interest in the issue. This audit would include measures taken to ensure that each stakeholder is engaged in the process, either by actual participation or by representation by a surrogate. The following definition of stakeholder is proposed: "Stakeholders are any with an interest in the outcome of the issue, whether they know it or not, and any who believe they have an interest, whether they do or not." This broad and inclusive definition of stakeholder is of benefit because it ensures that all relevant stakeholders are included, thereby strengthening the solution, and that any significant challenges are anticipated and dealt with in advance.
3. A Compilation of Stakeholder Interests that expresses, to the satisfaction of each stakeholder, the concerns, interests, values and priorities held by each stakeholder regarding the issue in question.
4. A Definition of Success which describes the qualities of an outcome (independent of specific features of any particular solution to be selected later) that would be acceptable to all stakeholders, along with whatever Measures of Effectiveness are appropriate to quantify realization of the desired qualities. This represents an idealized "wish list" and may contain conflicts to be resolved at later stages in the process. In general, the Definition of Success is more than a mere reiteration of stakeholder interests. Rather, it is a translation of those interests into a description of the outcome which is used as the standard for selecting the final solution.
5. A description of the Solution Options that were considered, as well as those rejected for consideration, with justification for these decisions. Include also a description of the strategy used to generate solution options, and how conflicts within the Definition of Success are resolved in design of a solution, by compromise, tradeoff, or discovery of a creative solution which erases the conflict.
6. A description of the Methods of Evaluation that are used to determine which solution option best satisfies the Definition of Success. This would include data, models, methods of analysis, etc. as appropriate to the issue. Studies necessary to support issue resolution are identified here.
7. A description of the Selected Solution that results from application of all the previous steps, with justification. Include analysis of considerations unique to the selected solution that may not have been addressed in previous steps.

These process steps cover all the needed elements of a successful issue resolution, and contain nothing extraneous. If a successful issue resolution is desired, nothing can be left out, and nothing needs to be added.

This structured process enables working via the internet. A section editor is assigned to each of the sections of the report. The members of the TWC e-mail suggestions to the section editor who uses them to prepare a working draft of the section. The working draft is e-mailed to TWC members, who then review and make additional suggestions. Face-to-face meetings may be held as necessary to iron out differences. When all TWC members are satisfied, the report is ready for submittal to the RCG members for familiarization prior to a RCG meeting where the report is reviewed.

Kacie Jensen

From: Alison Guth
Sent: Monday, March 13, 2006 11:50 AM
To: Alan Stuart; BARGENTIERI@scana.com; 'bellsteve9339@bellsouth.net'; 'Ronald Scott'; 'Amanda_Hill@fws.gov'; 'Tony Bebber'; 'Dick Christie'; 'Van Hoffman'; 'David Hancock'; 'Tommy Boozer'; 'ahler@dnr.sc.gov'; 'truple@sc.rr.com'; 'Rhett Bickley'
Subject: FW: L&LM TWC Notes

Hello All,

Let me know if you are not going to attend on Thursday, or know of someone else who is going to attend, so that I know how many lunches to order. Also, if you have any changes to the draft notes sent out Friday, you can email them to me or bring them to the meeting for finalization on Thursday. Thanks, Alison

-----Original Message-----

From: Alison Guth
Sent: Friday, March 10, 2006 4:50 PM
To: Alan Stuart; 'ARGENTIERI, WILLIAM R'; Elymay2@aol.com; bellsteve9339@bellsouth.net; 'Ronald Scott'; 'Amanda_Hill@fws.gov'; 'Tony Bebber'; 'Dick Christie'; 'Van Hoffman'; 'David Hancock'; 'Tommy Boozer'; 'ahler@dnr.sc.gov'; truple@sc.rr.com; 'Rhett Bickley'
Cc: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); James Smith; Joy Downs; Kim Westbury; Mark Leao; Michael Murrell; Mike Duffy; Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; Randy Mahan; Rhett Bickley; Richard Kidder; Robert Keener; Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
Subject: L&LM TWC Notes

Hello All,

Attached is the Lake and Land Mgt TWC meeting notes from yesterday's meeting and the agenda for next weeks TWC meeting. If you attended the meeting I will be happy to take changes to meeting notes themselves. If you did not attend I will accept comments only, to be included in a separate section of the notes. Thanks Alison.

 
2006-3-09 draft Lake and Land
Meeting Minute... anagement TWC A..

Alison Guth
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Suite 21A
West Columbia, SC 29170
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F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
March 9, 2006**

Draft ACG 3-10-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Dick Christie, SCDNR
Joy Downs, LMA

Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebbler, SCPRT
Ronald Scott – Lexington County
Van Hoffman – SCE&G

DATE: February 9, 2006

HOMEWORK ITEMS:

- SCE&G to provide a list of changes in classifications that have occurred since the last map was completed - *Not needed until Land Reclassification Discussion*
- SCE&G to provide description of land classifications and how they are managed – *Not needed until Land Reclassification Discussion*
- Alan to locate Randy Mahan's letter to Lake property owners on setback implementation and clearing policies
- Ron Scott to ask Rhett Bickley to attend next week's TWC meeting
- Alan to check status of NWI maps
- SCE&G to send the original '94, '02 and '04 studies on ESAs to the group – *Not needed until ESA Identification and Management Discussion*
- SCE&G to distribute dock permitting sheet to the group – *Not needed until Shoreline Permitting Discussion*
- Alan to send out the Revegetation, Sediment and Erosion and Woody Debris plans to the group for review before the Buffer Zone Management discussion next Thursday

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

***SCE&G Training Center
March 9, 2006***

Draft ACG 3-10-06

The group decided that this meeting was not the appropriate time to evaluate rebalancing and it should be further discussed at a later date. To aid in this discussion, SCE&G agreed to develop a brief description of each classification and give a presentation on the classifications at a future meeting. Tommy noted that there has been some discussion with DNR and PRT about rebalancing. He added that at some point it would be brought back to the committee.

The group decided that the agenda item for the next TWC meeting should be a review of the Buffer Zone Management Plan and an interactive session to go through the items in this plan.

The group began to briefly discuss the history of the buffer zone. Van Hoffman explained that in 1973 or 74 Santee Cooper received its new license and was subsequently required by FERC to put in place a 50 foot easement. Shortly thereafter, SCE&G filed for a new license which was received in '84. However, the FERC required SCE&G to retain a 75 foot setback. Van continued to explain that Randy Mahan had prepared a letter to landowners informing them of the setback and noting that they would be allowed to clear vegetation excluding large trees. Van continued to explain the progression toward a prescription that allowed clearing of vegetation less than 3 ½ inches in diameter and subsequently toward non-disturbance. The group noted that they would like to view a little bit of the history behind this and Alan agreed to locate Randy's letter.

The group continued to discuss buffer zone management but agreed to hold this discussion until next meeting and go through the plan line by line. Tommy asked Ron Scott if he could ask Rhett Bickley to attend next week's meeting. Ron said that he would ask him to come.

Alan then noted that they would use the rest of the time to go through the prioritized issues and identify what information was needed for the future discussion of these topics. In reference to the ESA Identification and Management Issues, Ron Ahle suggested that we have a presentation as well as a boat trip. The group agreed but noted that they did not necessarily have to wait for the boat trip before they made recommendations on this issue back to the RCG, because the boat trip would need to be scheduled during warmer weather. A presentation on the history of ESA and classifications would be needed. Tommy noted that they would send the original '94, '02 and '04 studies on ESAs to the group.

Ron Ahle noted that he would like to view a map of where the wetlands were located. Alan noted that he believes that the NWI maps have been generated and would check on the status of those. The group began to discuss the issues under Shoreline Permitting and Tommy noted that he had a permitting sheet that he would distribute to the group. There was some discussion on permitting fees and Tommy noted that the Project license requires them to manage the shoreline and also allows them to recoup their management expenses by charging fees. Joy Downs asked what was

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

***SCE&G Training Center
March 9, 2006***

Draft ACG 3-10-06

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Alan asked the group what additional information was needed to discuss Docks issues. Ron Noted that it may be beneficial to look at some of the commercial docks that have been permitted recently that have been controversial in order to identify some of the reasons why they have been controversial. The group decided that that would be beneficial. David Hancock noted that they would also provide the group with aerial photography and also another layer on the large map for purpose of identifying its general vicinity.

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The group concluded its discussion and Alan noted that he would send out the Revegetation, Sediment and Erosion and Woody Debris plans to the group for review before the Buffer Zone Management discussion next Thursday.

**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Agenda

March 16, 2006

9:30 AM

Lake Murray Training Center

- Interactive Review of Buffer Zone Management Plans
- Discussion on Additional Criteria for Future Buffer Zone Enhancements and Potential Restoration



Kacie Jensen

From: Alison Guth
Sent: Friday, March 10, 2006 4:50 PM
To: Alan Stuart; BARGENTIERI@scana.com; 'Elymay2@aol.com'; 'bellsteve9339@bellsouth.net'; 'Ronald Scott'; 'Amanda_Hill@fws.gov'; 'Tony Bebber'; 'Dick Christie'; 'Van Hoffman'; 'David Hancock'; 'Tommy Boozer'; 'ahler@dnr.sc.gov'; 'truple@sc.rr.com'; 'Rhett Bickley'
Cc: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); James Smith; Joy Downs; Kim Westbury; Mark Leao; Michael Murrell; Mike Duffy; Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Rhett Bickley; Richard Kidder; Robert Keener; Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebber
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2006-3-09 draft Lake and Land
Meeting Minute... anagement TWC A..

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Training Center
March 9, 2006**

Draft ACG 3-10-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
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Tommy Boozer, SCE&G
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

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March 9, 2006***

Draft ACG 3-10-06

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SALUDA HYDRO PROJECT RELICENSING
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**Saluda Hydro Relicensing
Lake and Land Management Technical Working Committee**

Meeting Agenda

March 16, 2006

9:30 AM

Lake Murray Training Center

- Interactive Review of Buffer Zone Management Plans
- Discussion on Additional Criteria for Future Buffer Zone Enhancements and Potential Restoration



Kacie Jensen

From: Alison Guth
Sent: Friday, March 03, 2006 1:41 PM
To: BARGENTIERI@scana.com; Alan Stuart; 'msummer@scana.com'; 'dhancock@scana.com'; RMAHAN@scana.com; 'tyle6544@bellsouth.net'; 'dchristie@infoave.net'; 'Bigbillcutler@aol.com'; 'Tony Bebber'; 'kayakduke@bellsouth.net'; 'rkidder@pbtcomm.net'; 'mdmurr@sc.rr.com'; 'bill25@sc.rr.com'; 'bellsteve9339@bellsouth.net'; 'tufford@sc.edu'; 'BertFloyd@sc.rr.com'; 'Amanda Hill'; 'tbrooks@newberrycounty.net'; 'ahler@dnr.sc.gov'; 'r1shealy@aol.com'; 'Elymay2@aol.com'; 'truple@sc.rr.com'; 'rbickley@lex-co.com'; 'rscott@lex-co.com'; 'tboozer@scana.com'; 'marshallb@dnr.sc.gov'; 'PageC@dnr.sc.gov'
Cc: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; BARGENTIERI@scana.com; Bill Cutler; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); James Smith; Joy Downs; Kim Westbury; Mark Leao; Michael Murrell; Mike Duffy; Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Ralph Crafton; Randal Shealy; RMAHAN@scana.com; Rhett Bickley; Richard Kidder; Robert Keener; Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Steve Bell; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Tim Flach; Tom Brooks; Tom Ruple; Tommy Boozler; Tony Bebber
Subject: Draft Meeting Notes

Hello Lake and Land Management RCG,

Well today is my day to get caught up on meeting notes. You will notice that I have CC'ed the entire group on this email. Our new meeting notes protocol includes the entire group on the draft notes, however, I will only accept changes to the meeting notes themselves from individuals that attended the meeting. If you did not attend the meeting but have a comment you may submit it to me for inclusion in a special separate section at the end of the document. Please have any changes or comments back to me by Feb 17th. Thanks and I hope everyone has a wonderful weekend. Alison



2006-2-09 draft
Meeting Minute...

Alison Guth
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
February 9, 2006**

Draft ACG 3-3-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Randy Mahan, SCANA Services
George Duke, LMHC
Chris Page, SCDNR
Dan Tufford, USC
Dick Christie, SCDNR
Bertina Floyd, LMHOC
Joy Downs, LMA
Richard Kidder - LMA
Mike Summer – SCE&G
Tom Ruple- LMA

Mike Murrell, LMA
Tom Brooks, Newberry County
Don Tyler, LMA & LMHC
Bill Marshall, SCDNR & LSSRAC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebbler, SCPRT
Rhett Bickley – Lexington County
Ronald Scott – Lexington County
Bill Mathias, LMA & Lake Murray Power
Squadron

DATE: February 9, 2006

HOMEWORK ITEMS:

- Develop SMP StrawMan – SCE&G
- Read SMP and Highlight Items of Interest or Concern for Discussion – Everyone
- Contact FERC Representative, Allan Creamer, to Arrange a Visit to the Next Quarterly Public Meeting – Bill Argentieri
- Discuss with Orbis the Potential for Developing Aerial Survey Photography Above the 360 to Satisfy LIDAR Request – Tommy Boozer
- Send SCE&G MOU with Santee Cooper on Aquatic Plants – DNR (Chris Page, Ron Ahle or Dick Christie)

AGENDA TOPICS FOR NEXT MEETING:

- To be determined by TWC

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
February 9, 2006**

Draft ACG 3-3-06

**DATE OF NEXT MEETING: April 26, 2006 at 9:00 a.m.
Located at the Lake Murray Training Center**

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and noted that the first order of business was to discuss the status of the meeting minutes from the previous meeting. He noted that he would like to finalize these notes and asked if anyone from the group had something that they would like to add or change. The group agreed that the notes could be finalized and the group read the mission statement together.

During the first quarter of the meeting David Hancock briefly went through the Shoreline Management Booklet prompting discussion on various topics referenced therein. Alan indicated the booklet would likely change significantly as a new SMP was prepared.

The group discussed the general makeup of what they felt should be contained in the new SMP. It was pointed out that it would be important to have general guidelines with some flexibility for implementation.

It was noted that one homework item for the group would be to go through the Shoreline Management Booklet. Alan proposed that one of the missions of the Technical Working Committee would be to develop the components of the Shoreline Management Booklet, discussing the objectives with the RCG. The group decided that it would be beneficial if SCE&G first provided a strawman of the Shoreline Management Booklet that the TWC could add onto and change as they see fit. The group agreed that this would be beneficial.

The group began to discuss the buffer zone management. Alan noted that a buffer zone management plan has been sent to the FERC. Rhett Bickley asked SCE&G what percent of shoreline on the Lower Saluda River was managed by SCE&G. It was noted that it was approximately 50 percent. Tony Bebbler added that it may be beneficial to consider a type of voluntary program for those properties that are not under SCE&G ownership. Tommy Boozer agreed that it could be incorporated as a part of public outreach and public education.

Ron Ahle noted that he believed that the group should meet on an annual basis to discuss how the plan was or was not working and make suggested changes to the next plan. Tommy noted that public response and communication was also important and helped to keep down the number of violations. The group also decided that it would be beneficial for the FERC Representative for the Saluda Project to visit the next Quarterly Public Meeting in order to answer relicensing questions.

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT RESOURCE GROUP

**SCE&G Training Center
February 9, 2006**

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The group began an interactive discussion on issues and TWCs. Amanda Hill noted that the Woody Debris Management was not included in the list of issues. Alan pointed out that a Woody Debris Management Plan was developed and accepted by the agencies and would subsequently be included into the ESA. The issues are attached below and filed underneath their appropriate subsection as agreed upon by the group.

Buffer Zone Restoration/Management

1. ***Lake Watch 2nd Priority : Buffer Zone restoration-*** A technical committee should be formed to assess all buffer zones on the lake for compliance with current and past guidelines and restrictions etc. The cause of excessive clearing should be determined, the existing restoration plan should be re-evaluated and updated if necessary.
2. ***USFWS 4th Priority: Buffer Zone Management***
3. ***Newberry County 6th Priority: Buffer Zone Management***
4. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a buffer zone management plan that includes restoration measures for buffer zone areas that have been improperly cleared by landowners***
5. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a map identifying intermittent and perennial streams and their associated 75' buffer***

ESA Identification and Management

6. ***DNR Priority: We also request that specific management restrictions be developed and incorporated into the SMP that would control encroachments into ESA's, conservation areas, and other natural areas.***
7. ***USFWS 5th Priority: ESA management policy***
8. ***Newberry County 11th Priority: ESA Management***
9. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include guidelines for restrictions within the 50' buffer surrounding the ESA's***
10. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a map showing ESA's in front of all easement properties***
11. ***DNR Priority: Parts of the plan [SMP] that have not been resolved include a woody debris and stump management plan***

Land Reclassification

12. ***USFWS 2nd Priority: Updated Shoreline Classification for Lake Murray and Lower Saluda River***
13. ***Newberry County 4th Priority: Updated Shoreline Classification***

MEETING NOTES

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14. *DNR Priority: SCE&G is in the process of revising land classifications, and we request an updated classification that clearly describes the existing use of the property, acreage and mileage of shoreline associated with each classification.*
15. *DNR Priority: Our primary concern with the SMP plan continues to be rebalancing of shoreline classifications. In a 2004 order, FERC recognized that the shoreline classifications are weighted heavily towards development and stated that rebalancing is needed. We, along with other resource agencies and stakeholders, have repeatedly asked for and continue to recommend that rebalancing be completed.*
16. *DNR Priority: Project lands associated with the Lower Saluda River have been less developed, and the riparian buffers and natural features associated with most of these lands are still intact. We request a summary of project lands and their current classifications, to include acreage and mileage of shoreline.*
17. *Lake Watch 7th Priority: Social-economic- a technical committee should be formed to evaluate the socia-economic impacts associated with LUSMP including development and ecotourism – **Land Reclassification***
18. *SCPRT 1st Priority: Ensure that recreational facilities and opportunities are protected and enhanced for current and future users, on and near the lake and river. - **(To be considered under Land Reclassification Discussion)***
19. *SCPRT 2nd Priority: Provide sufficient recreation and nature-based tourism opportunities to support the growing population of the region throughout the license period. - **(To be considered in the Land Reclassification Discussion)***
20. *SCPRT 3rd Priority: Provide safe and enjoyable recreation experiences for the boating and non-boating public including state residents and visitors. - **(To be considered in the Land Reclassification Discussion)***
21. *SCPRT 4th Priority: Conserve natural, cultural, and recreational resources for future generations to enjoy. - **(To be considered in the Land Reclassification Discussion)***
22. *SCPRT 5th Priority: Include enough land in the project boundary to assure optimum development of recreational resources afforded by the project. - **Recreation RCG and to be considered in the Land Reclassification Discussion)***
23. *SCPRT Priority: The Saluda project (lake and regulated river) offers tremendous opportunities for parks, recreation, and tourism now and in the future. We are concerned that insufficient project shoreline has been set aside for public recreation, especially shore-oriented recreation such as bank/pier fishing, picnicking, camping, wildlife watching, and hiking/walking. As the population of this area grows and as this resource becomes more attractive to potential visitors from other areas, more shoreline and adjacent properties will be needed to serve the recreational and natural resource needs of the public. In the current Shoreline Management Plan*

MEETING NOTES

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(SMP), very little of the shoreline on the lake has been set aside for current or future public recreation. Some of this recreational shoreline includes the islands which are generally inaccessible except by boat. Approximately 75 percent of the shoreline is developed or planned for future development. We believe that this development has impacted recreation use, visual aesthetics (a value to be considered in all TWC), fish and wildlife habitat, and water quality. We request that SCE&G review the current allocation for the project in consultation with resource agencies and stakeholders and identify a more balanced allocation that will meet the public recreation and natural resource needs over the life of the license. To accomplish this, an updated classification of the existing use of the property, acreage, and shoreline mileage associated with each classification should be completed and the shoreline management plan should be updated. - (To be considered in the Land Reclassification Discussion)

24. *SCPRT Priority: The ICD reports that only 404 acres are provided for public recreation on Lake Murray which includes the 348 acre Dreher Island State Park. The access areas listed are small - from 1.1 acre to 17.9 acres - with most under 10 acres (excluding the state park and three sites that did not list acreage). On the Saluda River, Saluda Shoals Park is 240 acres and the other three access areas are small (Gardendale acreage not identified). We suggest acreage be added to all small sites to the extent possible to allow for future expansion as recreational needs change and to provide options for shore based recreation. **Recreation RCG and Land Reclassification Discussions***
25. *DNR Priority: The access areas listed are small with most under 10 acres (excluding the state park) and we are concerned that adequate shore based recreational activities are not available for public use. Information regarding future plans to develop shore based recreational access is needed - **Recreation RCG and Land Reclassification TWC Discussion***
26. *SCPRT Priority: A “build out” scenario should be used to identify the volume of use based on future development proposed in the shoreline management plan. This should help identify areas to avoid or target for new recreational access and may also identify areas that should be addressed for amendments to the shoreline management plan. Information is needed on how the “build out” will affect boating carrying capacity, water quality, and fish and wildlife habitat. – **Land Reclassification Discussion***
27. *Newberry County 2nd Priority: Total Build-Out Study - **Land Reclassification Discussion***
28. *USFWS 6th Priority: Total Build-Out - **Land Reclassification Discussion***
29. *Permanent protection of a new state park property with significant shoreline on the Lexington/Saluda side of the lake. – **Land Reclassification Discussion***

MEETING NOTES

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30. *Conservation of areas identified as important during interagency review of shoreline management maps. - **Land Reclassification Discussion***

Lake Murray Land Sales – (Include as subcommittee to Land Reclassification)

31. *USFWS 3rd Priority: Future Fringeland Sale Policy*
32. *Newberry County 5th Priority: Future Fringeland Sale*

Shoreline Permitting

33. *Lake Watch 8th Priority: We recommend that recent studies on Shoreline Development Impacts on TVA Rivers and Lakes and recent US Army Corps studies associated with shoreline management updates be used as part of the information available to address issues in this committee. A sub-committee under #5 [Land Use and Shoreline Plan] could be formed to retrieve this information along with any other request. – **Shoreline Permitting***
34. *Newberry County 14th Priority: Review current Shoreline permitting fees - **Shoreline Permitting Discussion***

Residential, Commercial, Public, Private, and Multi-Slip Dock Permitting – All Docks (subcommittee of Shoreline Permitting)

35. *USFWS 7th Priority: Residential, Commercial, and Common Docks*
36. *Newberry County 13th Priority: Residential Docks*
37. *Newberry County 15th Priority: Commercial Multi-use Dock procedure*
38. *Newberry County 16th Priority: Common Dock Regs*
39. *Lake Watch 4th Priority: Marina construction- A technical committee should be formed to review and update the current guidelines and policies regarding the permitting of private and commercial marinas*

General Shoreline Management

40. *Newberry County 9th Priority: FERC Lake Murray Shoreline Management Plan Update – **General Outline to be developed by SCE&G***
41. *Lake Watch 5th Priority: Land Use and Shoreline Plan- A technical committee should be formed to review the existing LUSMP line by line to discuss the need for making changes with the goal of submitting recommendations back to the larger group for discussion. One outcome would be to put together in one document the*

MEETING NOTES

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*entire LUSMP. The entire plan now can only be found as bits and pieces of the past record. - **General Outline to be developed by SCE&G***

*42. **Newberry County 8th Priority: General Permits – Shoreline Permitting***

*43. **Newberry County 7th Priority: General Shoreline Activities – Shoreline Permitting***

Excavation -

*44. **USFWS 9th Priority: General Shoreline Activities/Excavation policy - Shoreline Permitting***

*45. **Newberry County 12th Priority: Excavation policy - Shoreline Permitting***

Erosion and Sedimentation

*46. **Lake Watch 6th Priority-Erosion-** A technical committee should be formed to determine the extent of erosion problems on the project's shoreline and submit recommendations back to the overall group for review and discussion.*

*47. **DNR Priority:** Parts of the plan [SMP] that have not been resolved include: an erosion and sedimentation control plan*

Other

*48. **Newberry County 1st Priority:** LIDAR up to at least the PBL (Project Boundary Line) – **not scheduled for Newberry and Saluda counties, Richland (2003) and Lexington (2004) counties have it. (Parking lot)***

*49. **Lake Watch 1st Priority:** Communication between SCE&G and stakeholders - A technical committee should be formed to study how SCE&G and stakeholders can better communicate and work together to achieve the goals and objectives implemented in the new license plan. - **General Outline to be developed by SCE&G***

Information Needs/Study Requests

*50. **USFWS 1st Priority:** Existing Studies - **Complete***

*51. **Newberry County 3rd Priority:** Existing Studies - **Complete***

*52. **Lake Watch 3rd Priority:** Federal and state regulations and/or requirements- A technical committee should be formed to determine and review all Federal and State regulations that relate to or have impact on the management of the reservoir, the lower Saluda and lands within the project boundaries. This committee should arrange to meet with FERC staff and discuss and clarify all FERC regulations or*

MEETING NOTES

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*requirements associated with lake and land management – FERC Relicensing
Contact to talk at public meeting*

**FOR CONSIDERATION TO BE HANDLED BY THE AQUATIC PLANT MANAGEMENT
COUNCIL – (parking lot), one suggestion is to develop MOU with SCDNR to address this**

Newberry County 10th Priority: Aquatic Plant Management Program

USFWS 10th Priority: Aquatic Plant Management

*DNR Priority: Information such as species composition, location, and acreage of
aquatic plants in the project is needed to develop an aquatic plant management plan.*

FOR CONSIDERATION TO BE HANDLED IN THE CULTURAL RESOURCE RCG

*SCPRT Priority: There are many known and unknown cultural resources located within
the project boundary. A plan should be developed in coordination with appropriate
resource agencies to identify and protect these valuable resources*

FOR CONSIDERATION TO BE HANDLED IN THE FISH AND WILDLIFE RCG

*SCPRT Priority: Due to state laws affecting Lake Murray, each new building or marina
on the lake further restricts waterfowl hunting. An estimate of remaining legal
waterfowl hunting areas should be mapped for consideration of designated waterfowl
hunting areas*

USFWS 11th Priority: Waterfowl Hunting Areas

Newberry County 17th Priority: Waterfowl Hunting

*DNR Priority: Parts of the plan [SMP] that have not been resolved include the
designation of new waterfowl hunting areas to compensate for those lost to land sales
and development*

FOR CONSIDERATION TO BE HANDLED IN THE RECREATION RCG –

MEETING NOTES

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LAKE AND LAND MANAGEMENT RESOURCE GROUP**

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*DNR Priority: In the lower Saluda River, flows are needed to support wade fishing and paddling. Information is needed regarding the flows that provide optimal recreational opportunity and when they should be provided. – **Operations RCG***

Access Points

*DNR Priority: the location and property for a large, multi-lane boating event site should be explored. - **Recreation RCG***

*DNR Priority: Ensuring the public has adequate access to the project is a high interest of the agency. A description of public recreation sites is provided in the ICD (Table E-15). However, no indication of capacity or handicapped accessibility is provided, and we request that information be included. – **Recreation RCG***

Total Build-Out Scenarios

SCPRT Priority:** A boat carrying capacity study should be performed for Lake Murray to identify concerns with current or future over-crowding and safety. As part of the process, include an inventory of current and future residential docks, public and private marinas, dry storage, and other boat access opportunities. Project related accidents during the current license period should be identified for use in addressing safety needs. This study will identify areas to target or avoid for new boating facilities. – **The study will be done by Recreation RCG, results made available to Lake and Land Management TWC

*DNR Priority: Information regarding recreational use and needs, projected for at least 10 years, is needed to plan for future recreational enhancements. – **Recreation RCG***

Specific Priorities From SCPRT That Could be Handled in the Recreation RCG

*Permanent protection for Dreher Island State Recreation Area. - **Recreation RCG***

*Continuation of existing recreational resources on Lake Murray and new/expanded resources where possible and appropriate. – **Recreation RCG***

Continued implementation of the Lower Saluda River Corridor Plan & Update, including additional recreational access at “Sandy Beach”, I-20, I-26, take out above

MEETING NOTES

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*Mill Race Rapids, and development of the Saluda River greenway and Three Rivers Greenway. – **Recreation RCG***

*Continuation of existing recreational resources on the Saluda River. - **Recreation RCG***

*Maintenance/enhancement of the scenic integrity of Lake Murray and the Saluda River. – **All TWC and RCG***

*Identification and enhancement of paddling opportunities in the tributaries and tributary arms of the lake. - **Recreation RCG***

FOR CONSIDERATION TO BE HANDLED IN THE SAFETY RCG

*DNR Priority: we are interested in identifying ways to reduce the number of water related deaths and accidents associated with the project. We request that a list of all project related accidents that occurred during the existing license period be provided, as well as any accommodations in project operations or facilities by the licensee to address these accidents. – **Safety RCG***

There was a brief discussion on LIDAR. Chris Page explained that it was basically a form of radar that could give you good digital elevations among other things. He noted that it had been performed in Lexington in 2004 and Richland in 2003. He further explained that LIDAR has not been performed in Newberry or Saluda Counties. Tom Brooks noted that they were looking for contours up to the PBL and if SCE&G worked with Newberry and Saluda counties that the LIDAR could be completed in a more cost effective manner. There was some discussion among the group on this topic. Tommy noted that they had aerial photography from the 360 to the 355 and they would ask Orbis for information on what the capabilities are for developing more information above the 360.

There was some discussion among the group on the issue of aquatic plants. Alan noted that in discussions with Chris Page and Tommy Boozer these issues would be addressed by the Aquatic Plant Management Council. Bill Argentieri noted that the dates of Aquatic Plant Management Council meetings would be posted to the website. Alan asked if would be okay if a Memorandum of Understanding could be worked out with DNR addressing this issue and shared with the group and the group agreed that that would be acceptable. DNR noted that they would send a copy of the MOU they had with Santee Cooper to SCE&G as an example.

MEETING NOTES

*SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE AND LAND MANAGEMENT RESOURCE GROUP*

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After the group finished going through the issues, they then began to develop the list of members for the TWC. Dick Christie noted that in his experience with Duke the TWC was relatively small, less than 10 people, and consisted mainly of people who were recognized for their technical knowledge and also of a few stakeholders. He added that he believed it was important to include a few stakeholders that may not have all of the technical expertise but were able to provide a “real world” view.

The group agreed that there would be one core TWC that would address all of the issues. Everyone agreed that the TWC would consist of the members listed below and would discuss the following major topics and the items included therein (see pages 3-10 for a list of all of the items):

Lake & Land Management TWC Participants

Dick Christie - SCDNR
Amanda Hill - USFWS
Tony Bebber - SCPRT
Ron Ahle - SCDNR
Tommy Boozer – SCE&G
David Hancock – SCE&G
Van Hoffman – SCE&G
Andy Miller – SCDHEC
Alan Stuart – Kleinschmidt
Steve Bell – Lake Watch
Joy Downs – LMA

- **Buffer Zone Management**
Limited Brushing Below 360 El.
- **ESA Identification and Management**
Woody Debris & Stump Management
- **Land Reclassification**
Land Sales
- **Erosion and Sedimentation**
- **Shoreline Permitting**
Commercial, residential, public, private, multi-slip docks
Excavation

MEETING NOTES

***SOUTH CAROLINA ELECTRIC & GAS COMPANY
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- **Shoreline Management Plan Outline**
SCE&G to take lead in developing strawman

The dates for the next TWC meetings would be March 9th, March 16th, March 21st and March 30th.
The RCG decided to meet on the 26th of April.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

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February 9, 2006*

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**Saluda Hydro Relicensing
Lake and Land Management Resource Conservation Group**

Meeting Agenda

**February 9, 2006
9:00 AM
Lake Murray Training Center**

- **9:00 to 9:30** Review of Meeting Notes from 12-8-05
 - **9:30 to 9:35** Review of Mission Statement
 - **9:35 to 11:45** Begin Discussion of Priority Issues
 - **11:45 to 12:15** Lunch
 - **12:15 to 2:30** Continued Discussion of Priority Issues
 - **2:30 to 2:45** Discussion of Presentations Needed to Address Priority Issues
 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for
 Next Meeting
- Adjourn



MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Bob Keener, LMA & LMSCA
Beth Trump, SCE&G
Randy Mahan, SCANA Services
George Duke, LMHC
Chris Page, SCDNR
Dan Tufford, USC
Dick Christie, SCDNR
Bertina Floyd, LMHOC
Joy Downs, LMA

Mike Murrell, LMA
Tom Brooks, Newberry County
Don Tyler, LMA & LMHC
Roy Parker, LMA
Mary Anne Taylor, SCE&G
Bill Marshall, SCDNR & LSSRAC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Bill Mathias, LMA & Lake Murray Power
Squadron

DATE: December 8, 2005

ACTION ITEMS:

- Check on the Status of the Map Monitorization Program Using LIDAR – *Chris Page*
- Check on the Criteria of Water Quality Monitoring Programs on Lake Murray – *Tommy Boozer*
- Acquire Information from Clemson on Total Build-Out Scenarios – *Tom Brooks*

HOMEWORK ITEMS:

- Prioritization of Issues for Discussion in the Upcoming Meetings

AGENDA TOPICS FOR NEXT MEETING:

- To be determined with the receipt of prioritized issues

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

DATE OF NEXT MEETING: **February 9, 2005 at 9:00 a.m.**
Located at the Lake Murray Training Center

INTRODUCTIONS AND DISCUSSION

Alan opened the meeting and introduced Tommy Boozer and David Hancock as the speakers. Tommy noted that for informational purposes he had brought an application permit for a boat ramp as well as the Shoreline Management Program booklet. Tommy began his presentation and explained that easement property could be defined as property that SCE&G has sold down to the 360 or has never owned. George Duke asked if the Forest and Game management property could be sold, to which Tommy replied that it could not. Randy Mahan elaborated that SCE&G has informed the FERC of the classification and that it would not be available to sell, although there is no conservation easement on it. He noted that therefore SCE&G could not sell it without going through a FERC process.

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MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

There was some discussion on the possible future use of LIDAR technology by SCE&G and what contours were going to use when it was performed. It was noted that contours from the 354 to the 360 would be used. Chris Page briefly discussed that there was a map monitorization program that uses LIDAR to bring most maps in the state to the right designation. Tom Brooks added that Lexington has already been completed; however he was not sure about Saluda and Richland. Chris Page noted that he would check on what has been done.

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In a discussion on dock permitting and marinas, Tommy mentioned that there has not been a new marina on the lake in some time. He noted that they were looking into requirements that would ensure that public marinas stay public marinas. David Hancock noted that common access areas have become great tools for selling off water lots and if those same individuals did not have common access areas then they would have to go to public access points, which are already crowded.

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**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

The group then began to discuss the Buffer Zone Management Plan. Randy noted that as far as he understood, a 10 foot meandering path is more stringent than what the FERC order required, however, SCE&G decided that they needed something that would give as much protection as possible and was easy for Tommy and the Lake and Land Management Group to implement. Randy reiterated that their standard was going to allow a 10 foot meandering path down to the bank with absolutely no disturbance for the whole 75 foot buffer zone. Tommy added that there would be some safety issues to deal with such as pines and pine beetles, however they would be dealt with on a case to case basis. Joy Downs expressed concern about having buffer zones open for the public, especially if it becomes public knowledge, when there are other areas that are available for public recreation. Tommy explained that federal law requires that they allow public use of the buffer zone, however the public's access can be limited, camping for example could be restricted, while they do allow a passage type of activity.

As the group continued to discuss issues, Dick Christie noted that he thought it was important that everyone understand the current land classifications and what the ramifications would be if all of the developable lands were to be developed. Tom Brooks noted that they could get information on the particular counties.

Joy Downs asked Tommy if they performed water quality testing. Tommy noted that they did to a certain extent through USGS monitoring. However he noted that DHEC performed the testing at the back of coves. Tommy noted that he would check into what exactly was monitored for.

The group began to go over homework items. It was noted that each individual or organization should prioritize their issues and then send your prioritizations to Alison Guth by December 30th. Tommy and David were tasked with preparing a presentation on those issues that are raised. Tom Brooks mentioned that he felt the use of LIDAR up to the PBL was a very important issue although it was not listed.

The group decided that the next meeting would occur on February 9th at 9:00.

Ron Ahle noted that he had concerns that the way the issues were broken down was too specific at this time. He noted that he believed that the discussion could be focused toward going through the plan and addressing the issues in the way it is written. The group agreed that that may be a good approach.

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MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

***SCE&G Training Center
December 8, 2005***

Final ACG 2-17-06

Tom Brooks was tasked with acquiring Total build out information from Clemson. Chris Page was tasked with finding out the status on the map monitorization. It was also noted that it would be important to send out more letters to the County Administrators.

Lee's Powerpoint Presentation of Saluda Hydro System Control can be viewed through the website as well as through the November 1st Operations meeting notes.

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

**Saluda Hydro Relicensing
Lake and Land Management Resource Conservation Group**

Meeting Agenda

December 8, 2005

9:30 AM

Lake Murray Training Center

- **9:35 to 9:45** Introductions and Discussion On Presentation
- **9:45 to 10:30** Discussion on Lake Murray Lake and Land Maps – Tommy Boozer, SCE&G
- **10:30 to 11:45** Preliminary Discussion of Issues
- **11:45 to 12:15** Lunch
- **12:15 to 1:00** Develop List of Homework Assignments, Agenda and Date for Meeting
Next
- **1:00 to 3:00** **Presentation – Saluda Hydro Operations – Lee Xanthakos**
SCANA Services
Adjourn



Kacie Jensen

From: Alison Guth
Sent: Friday, February 17, 2006 5:17 PM
To: Alan Stuart; Alison Guth; 'billeast@sc.rr.com'; 'marshallb@dnr.sc.gov'; 'flyhotair@greenwood.net'; 'tufford@sc.edu'; 'dchristie@infoave.net'; 'tyle6544@bellsouth.net'; 'kayakduke@bellsouth.net'; 'gjobsis@americanrivers.org'; 'Bkawasi@sc.rr.com'; 'Elymay2@aol.com'; 'mdmurr@sc.rr.com'; 'parkin@parkinhunter.com'; 'wwending@sc.rr.com'; 'PatrickM@scccl.org'; 'crafton@usit.net'; 'rkidder@pbtcomm.net'; 'RESKKEENER@PBTCOMM.Net'; 'ahler@dnr.sc.gov'; 'royparker38@earthlink.net'; 'r1shealy@aol.com'; 'bellsteve9339@bellsouth.net'; 'suzrhodes@juno.com'; 'tbrooks@newberrycounty.net'; 'truple@sc.rr.com'; 'tboozer@scana.com'; 'tbebbber@scprt.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; BARGENTIERI@scana.com; 'btrump@scana.com'; 'rbickley@lex-co.com'; RMAHAN@scana.com; 'bill25@sc.rr.com'; 'bigbillcutler@aol.com'; 'amanda_hill@fws.gov'; 'mark_leao@fws.gov'; 'pagec@dnr.sc.gov'; 'dhancock@scana.com'; 'ryanity@scana.com'; 'tpowers@newberrycounty.net'; 'vhoffman@scana.com'; 'millerca@dhec.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'msummer@scana.com'
Subject: Final Dec 8th Notes

Hello Lake and Land Management Group,

Attached is the final copy of the December 8th Meeting Notes. Hope everyone has a great weekend. Alison



2005-12-08 Final
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
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Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Bob Keener, LMA & LMSCA
Beth Trump, SCE&G
Randy Mahan, SCANA Services
George Duke, LMHC
Chris Page, SCDNR
Dan Tufford, USC
Dick Christie, SCDNR
Bertina Floyd, LMHOC
Joy Downs, LMA

Mike Murrell, LMA
Tom Brooks, Newberry County
Don Tyler, LMA & LMHC
Roy Parker, LMA
Mary Anne Taylor, SCE&G
Bill Marshall, SCDNR & LSSRAC
Randall Shealy, Lake Murray Historical Soc.
Bill Cutler, LW & SCCCL
Steve Bell, LW
Amanda Hill, USFWS
Bill Argentieri, SCE&G
Tony Bebber, SCPRT
Bill Mathias, LMA & Lake Murray Power
Squadron

DATE: December 8, 2005

ACTION ITEMS:

- Check on the Status of the Map Monitorization Program Using LIDAR – *Chris Page*
- Check on the Criteria of Water Quality Monitoring Programs on Lake Murray – *Tommy Boozer*
- Acquire Information from Clemson on Total Build-Out Scenarios – *Tom Brooks*

HOMEWORK ITEMS:

- Prioritization of Issues for Discussion in the Upcoming Meetings

AGENDA TOPICS FOR NEXT MEETING:

- To be determined with the receipt of prioritized issues

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

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Located at the Lake Murray Training Center

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SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Final ACG 2-17-06

**Saluda Hydro Relicensing
Lake and Land Management Resource Conservation Group**

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SCANA Services
Adjourn



Kacie Jensen

From: Alison Guth
Sent: Friday, February 03, 2006 3:25 PM
To: BARGENTIERI@scana.com; 'mataylor@scana.com'; Alan Stuart; 'Roy Parker'; 'Elymay2@aol.com'; 'RESKKEENER@PBTCOMM.Net'; 'Amanda_Hill@fws.gov'; 'ahler@dnr.sc.gov'; 'Bigbillcutler@aol.com'; 'bellsteve9339@bellsouth.net'; 'BertFloyd@sc.rr.com'; 'bill25@sc.rr.com'; 'mdmurr@sc.rr.com'; 'Bill Marshall'; 'tbeber@scprt.com'; 'dchristie@infoave.net'; 'tbrooks@newberrycounty.net'; 'kayakduke@bellsouth.net'; 'tyle6544@bellsouth.net'; 'r1shealy@aol.com'; 'PageC@dnr.sc.gov'; RMAHAN@scana.com; 'dhancock@scana.com'; 'btrump@scana.com'; 'tboozer@scana.com'; 'tufford@sc.edu'
Subject: Draft L&LM Meeting Notes

Hello All

Attached is a draft copy of the Lake and Land Management meeting notes from December 8th. Please review and have any comments back to me by February 17th for finalization. As you will notice there were several action items from the last meeting, which I have listed below:

- Check on the Status of the Map Monitorization Program Using LIDAR – *Chris Page*
- Check on the Criteria of Water Quality Monitoring Programs on Lake Murray – *Tommy Boozer*
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Thanks so much and let me know if you have any questions! Alison



2005-12-08 draft
Meeting Minut...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
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F: (803) 822-3183

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Draft ACG 2-3-06

ATTENDEES:

Alan Stuart, Kleinschmidt Associates
Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
David Hancock, SCE&G
Ron Ahle, SCDNR
Bob Keener, LMA & LMSCA
Beth Trump, SCE&G
Randy Mahan, SCANA Services
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Bill Marshall, SCDNR & LSSRAC
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Bill Cutler, LW & SCCCL
Steve Bell, LW
Amanda Hill, USFWS
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Tony Bebbler, SCPRT
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DATE: December 8, 2005

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MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

**SCE&G Training Center
December 8, 2005**

Draft ACG 2-3-06

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SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

***SCE&G Training Center
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December 8, 2005**

Draft ACG 2-3-06

The group then began to discuss the Buffer Zone Management Plan. Randy noted that as far as he understood, a 10 foot meandering path is more stringent than what the FERC order required, however, SCE&G decided that they needed something that would give as much protection as possible and was easy for Tommy and the Lake and Land Management Group to implement. Randy reiterated that their standard was going to allow a 10 foot meandering path down to the bank with absolutely no disturbance for the whole 75 foot buffer zone. Tommy added that there would be some safety issues to deal with such as pines and pine beetles, however they would be dealt with on a case to case basis. Joy Downs expressed concern about having buffer zones open for the public, especially if it becomes public knowledge, when there are other areas that are available for public recreation. Tommy explained that federal law requires that they allow public use of the buffer zone, however the public's access can be limited, camping for example could be restricted, while they do allow a passage type of activity.

As the group continued to discuss issues, Dick Christie noted that he thought it was important that everyone understand the current land classifications and what the ramifications would be if all of the developable lands were to be developed. Tom Brooks noted that they could get information on the particular counties.

Joy Downs asked Tommy if they performed water quality testing. Tommy noted that they did to a certain extent through USGS monitoring. However he noted that DHEC performed the testing at the back of coves. Tommy noted that he would check into what exactly was monitored for.

The group began to go over homework items. It was noted that each individual or organization should prioritize their issues and then send your prioritizations to Alison Guth by December 30th. Tommy and David were tasked with preparing a presentation on those issues that are raised. Tom Brooks mentioned that he felt LIDAR up to the PBL was a very important issue although it was not listed.

The group decided that the next meeting would occur on February 9th at 9:00.

Ron Ahle noted that he had concerns that they way the issues were broken down was too specific at this time. He noted that he believed that the discussion could be focused toward going through the plan and addressing the issues in the way it is written. The group agreed that that may be a good approach.

In reference to the land classification maps of Lake Murray, Bill Marshall mentioned that it may be helpful to also have land classification maps of the LSR.

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

***SCE&G Training Center
December 8, 2005***

Draft ACG 2-3-06

Tom Brooks was tasked with acquiring Total build out information from Clemson. Chris Page was tasked with finding out the status on the map monitorization. It was also noted that it would be important to send out more letters to the County Administrators.

Lee's Powerpoint Presentation of Saluda Hydro System Control can be viewed through the website as well as through the November 1st Operations meeting notes.

MEETING MINUTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT RESOURCE GROUP**

*SCE&G Training Center
December 8, 2005*

Draft ACG 2-3-06

**Saluda Hydro Relicensing
Lake and Land Management Resource Conservation Group**

Meeting Agenda

**December 8, 2005
9:30 AM**

Lake Murray Training Center

- **9:35 to 9:45** Introductions and Discussion On Presentation
- **9:45 to 10:30** Discussion on Lake Murray Lake and Land Maps – Tommy Boozer, SCE&G
- **10:30 to 11:45** Preliminary Discussion of Issues
- **11:45 to 12:15** Lunch
- **12:15 to 1:00** Develop List of Homework Assignments, Agenda and Date for
Next Meeting
- **1:00 to 3:00** **Presentation – Saluda Hydro Operations – Lee Xanthakos**
SCANA Services
Adjourn



Kacie Jensen

From: bellsteve9339@bellsouth.net
Sent: Friday, August 17, 2007 7:37 AM
To: Alison Guth; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; RMAHAN@scana.com; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebber; J. Ryan
Subject: Re: Lake and Land Management TWC



Lake and Land Management TWC A.. replyAll (64 B)

Alison- On August 9, via email to Alan and Bill, I made some suggestions for agenda items for a future meeting. Below is my request. None of these are included in the next meeting. I did not receive a response from Bill or Alan. Would like to know status of my request. And who came up with this agenda. Steve 730-8121

Bill and Alan,

I would like to recommend that the Lake and Land Management Technical Working Committee meet in the near future to discuss a strategy for completing the work relating to the shoreline plan and re-balancing of shoreline uses and establishing a timeline. I believe it's important that "team" be involved with setting the agenda for finalizing the first draft which will be presented to the larger group. Based on discussions with other stakeholders the following items are requested to be put on the agenda for a future meeting..

1- SCE&G's policy which requires back property owners to purchase project lands in order to apply for a dock. A write up on this would be helpful before the meeting.

2- A review of lands within the Forest and Game management to determine areas that might be suitable for public or private access

3- A review of shorelines in Newberry and Saluda Counties to determine the percentage and location of developed areas

4- A review and discussion of all issues relating to shoreline uses and re- balancing.

5- A review of the first draft of the new shoreline plan and any outstanding or unresolved issues. If would be helpful (if this hasn't already been done) if the recommended modifications to the existing plan be put in a new draft document and emailed to the committee in advance of the meeting.

Steve Bell
Lake Murray Watch
Lake Murray Homeowner's Coalition
730-8121

>
> From: "Alison Guth" <Alison.Guth@KleinschmidtUSA.com>
> Date: 2007/08/16 Thu PM 03:32:24 EDT
> To: "Van Hoffman" <vhoffman@scana.com>,
> "Alan Stuart" <alan.stuart@kleinschmidtusa.com>,
> "Alison Guth" <alison.guth@kleinschmidtusa.com>,
> "Amanda Hill" <amanda_hill@fws.gov>,
> "Bill Argentieri" <bargentieri@scana.com>,
> "Carl Sundius" <csundius@sc.rr.com>,
> "David Hancock" <dhancock@scana.com>,
> "Dick Christie" <dchristie@infoave.net>,

> "Jennifer O'Rourke" <jenno@scwf.org>,
> "John Frick" <jsfrick@mindspring.com>,
> "Joy Downs" <elymay2@aol.com>,
> "Randy Mahan" <rmahan@scana.com>,
> "Rhett Bickley" <rbickley@lex-co.com>,
> "Ron Ahle" <ahler@dnr.sc.gov>,
> "Ronald Scott" <rscott@lex-co.com>,
> "Roy Parker" <royparker38@earthlink.net>,
> "Sheri Armstrong " <sarmstrong@lex-co.com>,
> "Steve Bell" <bellsteve9339@bellsouth.net>,
> "Suzanne Rhodes" <suzrhodes@juno.com>,
> "Synithia Williams" <swilliams@lex-co.com>,
> "Tom Ruple" <truple@sc.rr.com>,
> "Tommy Boozer" <tboozer@scana.com>,
> "Tony Bebber" <tbebber@scprt.com>,
> "J. Ryan" <JRyan@centralmidlands.org>
> Subject: Lake and Land Management TWC
>
> When: Tuesday, August 28, 2007 9:30 AM-3:00 PM (GMT-05:00) Eastern
> Time (US & Canada).
> Where: Lake Murray Training Center
>
> *****
>
> Hello All,
>
> We are officially going to convene our next Lake and Land Management
> TWC meeting on Tuesday, August 28th at the Lake Murray Training
> Center. I have attached a meeting agenda below. There are quite a
> few items to discuss, however we will discuss as many as we can during
> the time allotted and reconvene another meeting if necessary. If you
> have not already RSVP'ed please do so by next Wednesday, August 22.
> Thanks, Alison
>
> <<Lake and Land Management TWC Agenda 82807.doc>>
>
>
>

**Saluda Hydro Relicensing
Lake and Land Management TWC**

Meeting Agenda

August 28, 2007

9:30 AM

Lake Murray Training Center

- **9:30 to 10:15** Tree Management – discussions on working with back property owners to manage dead or dangerous trees
- **10:15 to 11:00** Boat Size – discussion on houseboats and other large boats on Lake Murray and associated sanitation problems and docking requirements
- **11:00 to 12:00** Rebalancing plans – develop process details
- **12:00 to 1:00** Lunch
- **1:00 to 1:30** Scheduled drawdown – evaluate the need for a scheduled draw down to benefit water quality, wildlife, prevent the growth of aquatic weeds, etc.
- **1:30 to 2:00** Boat parking or storage on Fringeland or Forest Management Property – discussions on the restriction of boat parking on shoreline for extended periods of time
- **2:00 to 2:15** Break
- **2:15 to 2:45** Breakwater Protection – discuss current policy on breakwaters, concerns regarding breakwaters, and if policy changes are needed
- **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting

Adjourn

Saluda
HYDRO
RELICENSING

Kacie Jensen

Subject: Lake and Land Management TWC
Location: Lake Murray Training Center

Start: Tue 8/28/2007 9:30 AM
End: Tue 8/28/2007 3:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake & Land Mgt TWC

Hello All,

We are officially going to convene our next Lake and Land Management TWC meeting on Tuesday, August 28th at the Lake Murray Training Center. I have attached a meeting agenda below. There are quite a few items to discuss, however we will discuss as many as we can during the time allotted and reconvene another meeting if necessary. If you have not already RSVP'ed please do so by next Wednesday, August 22. Thanks, Alison



Lake and Land
anagement TWC A..

**Saluda Hydro Relicensing
Lake and Land Management TWC**

Meeting Agenda

August 28, 2007

9:30 AM

Lake Murray Training Center

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 - **2:45 to 3:00** Develop List of Homework Assignments, Agenda and Date for Next Meeting
- Adjourn

Saluda
HYDRO
RELICENSING

Kacie Jensen

From: Alison Guth
Sent: Monday, August 13, 2007 2:02 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebbler; 'J. Ryan'
Subject: Lake and Land Management TWC

Hello Folks,

It has been quite a while since our last Lake and Land Management TWC, therefore we would like to reconvene a meeting Tuesday, August 28th at the Lake Murray Training Center. Although this meeting is not slated for rebalancing discussions, we should take a small amount of time to begin to discuss a game plan on how this will be accomplished. There are also several other miscellaneous items that need to be discussed, such as mooring on fringeland and such. A more detailed agenda is to follow. Please let me know if August 28th will work for you by Thursday (our office will be closed Friday). If we have a majority that can attend, I will send out a calendar reminder for this date. Thanks, Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Kacie Jensen

From: bellsteve9339@bellsouth.net
Sent: Thursday, August 09, 2007 6:24 AM
To: Alan Stuart; Alison Guth; Amanda_Hill@fws.gov; BARGENTIERI@scana.com; csundius@sc.rr.com; dhancock@scana.com; dchristie@infoave.net; jsfrick@mindspring.com; Elymay2@aol.com; RMAHAN@scana.com; rbickley@lexco.com; ahler@dnr.sc.gov; rscott@lexco.com; royparker38@earthlink.net; bellsteve9339@bellsouth.net; suzrhodes@juno.com; tboozer@scana.com; tbeber@scprt.com; vhoffman@scana.com
Subject: Request for meeting- LLMTWC

Bill and Alan,

I would like to recommend that the Lake and Land Management Technical Working Committee meet in the near future to discuss a strategy for completing the work relating to the shoreline plan and re-balancing of shoreline uses and establishing a timeline. I believe it's important that "team" be involved with setting the agenda for finalizing the first draft which will be presented to the larger group. Based on discussions with other stakeholders the following items are requested to be put on the agenda for a future meeting..

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4- A review and discussion of all issues relating to shoreline uses and re-balancing County's issues on re-balancing.

5- A review of the first draft of the new shoreline plan and any outstanding or unresolved issues. It would be helpful (if this hasn't already been done) if the recommended modifications to the existing plan be put in a new draft document and emailed to the committee in advance of the meeting.

Steve Bell
Lake Murray Watch
Lake Murray Homeowner's Coalition
730-8121

Kacie Jensen

From: Alison Guth
Sent: Tuesday, July 10, 2007 11:16 AM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons'; 'John Frick'; 'Linda Schneider'; 'Phil Hamby'; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club'; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong'; 'Steve Bell'; 'Suzanne Rhodes'; 'Synthia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'; 'grissom151@aol.com'; 'parker@midlandstech.edu'; 'Jvjaques@aol.com'; 'wshangle@sc.rr.com'; 'shopper1963@hotmail.com'; 'bluewater4us@aol.com'; 'rs'; 'kel593@hotmail.com'; 'bs.anderson@hotmail.com'; 'Ginger.gocke@contractoryard.com'; 'jarichardson@colacoll.edu'; 'msmith35@sc.rr.com'; 'dtullis001@sc.rr.com'; 'sfitts@thefittscompany.com'; 'jlesliejr@bellsouth.net'; 'jsheff1947@aol.com'; 'SUMMER, MICHAEL C'; 'cas@FMC.sc.edu'; 'shopper1963@hotmail.com'
Subject: Revised Final Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Good Morning Everyone,

There were some late comments on the Lake and Land TWC-Two Bird Cove meeting notes. I did revise these notes to reflect the late comments, although I do try to steer clear of this practice, as it results in multiple final versions floating around. For future reference, it is important that you get all of your comments on the notes in by the requested date. While additional comments can be submitted for the public record, this set of notes is considered final and no more changes will be made to the notes themselves. The changes that were made are in the middle of the last paragraph on the third page. Thanks, Alison



2007-5-24 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
May 24, 2007**

Final acg 6-27-07 – revised 7-10-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates
Bill Argentieri, SCE&G
Steve Bell, Lake Watch
Tony Bebber, SCPRT
Kristine Jensen, WPYC
Bill Grant, WPYC
Russell Jacobus, WPYC
Kelley McLeod, WPYC
Fran Trapp, WPYC
Brad Anderson, WPYC
Ginger Gocke, WPYC
George Schneider, property owner
Linda Schneider, property owner
Jennifer Richardson, property owner
Ellis Harmon, property owner
Emily Hamby, property owner
James Leslie, Lake Murray Docks, Inc.
John Sheffield, boater
Dick Christie, SCDNR
Cecil Sheppard, Bass
Sherron Hopper, WPYC

Bonnie Harmon, property owner
Clyde Harmon, property owner
Phil Hamby, property owner
Mac Smith, boater
Debra Booth Tullis, boater
Brenda Parsons, property owner
Regis Parsons, property owner
Sonya Nussbaum, property owner
Ken Simmons, property owner, Wingfield
Dee Dee Simmons, property owner, Wingfield
Steve Fitts, property owner, Wingfield
Dave Landis, LMA
Joy Downs, LMA
Connie Frick, property owner
John Frick, property owner
Amanda Hill, USFWS
Ron Ahle, SCDNR
Barbara Grissom, boater
Mike Summer, SCE&G
John Jaques, WPYC
Tommy Boozer, SCE&G
Vicki Hamby, property owner

HOMEWORK:

- Discuss Harmon property deed restrictions with legal team – SCE&G
- Discuss FERC's designation on SC navigable waters with legal team – SCE&G

DATE OF NEXT MEETING: TBA

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart opened the meeting and noted that they would begin discussions with two presentations from stakeholders. John Frick was the first to present to the group, and his discussion centered around his recommendations for a framework for the Shoreline Management Plan. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/LakeMurrayShorelineManagementPlanpresentation.ppt> . After John F. completed his presentation, the floor was opened up for questions and comments. There were some concerns expressed about the large size of lots that were being proposed which would cater only to the extremely wealthy. Tommy Boozer clarified that during the relicensing they could only deal with what was inside the project boundary line (PBL), they could make decisions on permitting docks, but not on zoning and lot sizes. John F. noted that his framework for a SMP looked at the total lands and the fringelands, and the SMP must extend beyond the PBL to be effective. Steve Bell pointed out that the sale of fringelands was yet to be discussed in the TWC.

Dee Dee Simmons and Steve Fitts then gave a presentation on the property they were currently in the process of developing, Wingfield. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/WingfieldPresentation-May2407.ppt> . As Dee Dee concluded the presentation, she explained that the county was very excited about this development, as the counties are having a lot of negative impact from the high density development. Tony Bebbler noted that similarly on the Saluda River there was a development that has left the frontage along the river as common area. After the Wingfield presentation, the floor was also opened for questions. There were several questions about the natural areas that were being implemented on the property. Dee Dee noted that they were currently working on obtaining the fringelands around the property. Ron Ahle asked if the fringeland was made available, not to buy, but under a type of fee program in order to obtain boat slips, if that would be acceptable. Dee Dee noted that may be a favorable option.

After the presentations had been concluded, Alan explained that the group would spend the remainder of the meeting time discussing Two Bird Cove and its designation as a Special Recreation Area. Tommy began the discussion by giving the group an update of the situation. Tommy explained that this first surfaced during the required five year review period of the SMP. He explained that at one of the meetings for the review, Jim Leslie with Lake Murray Docks discussed the protection of a cove that they had historically used for sailboating. Tommy noted that as the orders started to proceed, SCE&G was ordered by the Federal Energy Regulatory Commission (FERC) to discuss with DNR and USFWS on designating this cove a Special Recreation Area. Tommy explained that they were not familiar with the name Two Bird Cove, as it was stated in the FERC order, as it had always been known as Harmon Cove in the past. He continued to note that originally SCE&G was opposed to the designation, however they were required by FERC to reevaluate it and the 2004 order required SCE&G to designate the waters in the cove. Tommy pointed out that the designation only applies to the waters, however, not the land. It was further noted that SCE&G does not have any road access to the property. He explained that there have been some concerns by homeowners regarding the designation, however the group could not make a decision today, as it was up to the FERC. One individual asked what the Harmon's (back property owners) wanted to be done when the designation came about. Ellis Harmon noted that they had wanted the cove left as it was, not for use by only one group of recreators. Alan explained, however, that the FERC designation did not prohibit anyone else from using the cove. Alan continued to note that he believed that the Windward Point Yacht Club's (WPYC) intention behind the request was to make sure that the property was protected, however the FERC responded

and protected the water. It was noted that the question also arose of whether or not the FERC had the legal authority to designate the navigable waters of the state of South Carolina. The concern that the back property owners expressed was that the special designation may encourage more use and act as a flashing beacon for recreators. Alan noted that this would be best discussed if representatives from each group came to the front to express their opinions on the issue.

Jim Leslie spoke for the first on behalf of Lake Murray Docks. Jim L. explained that they were concerned about preserving the water *and* the land of Two Bird Cove. He noted that this area is very important to the sailing community, and added that he does have a direct business interest in the designation staying in place as the cove is within a certain sailing distance from his marina. He explained that he would like to see the SCE&G lands of Two Bird Cove and Hurricane Cove taken out of future development and placed in some type of land trust. He also noted that originally the most convenient cove for sailboaters was Pine Island, however it has become too developed. He noted that their group wanted the designation to stay as it was, as they felt the designation gave more leverage for keeping the fringelands unsold. Phil Hamby explained that this is why the water-based designation does have a potential negative affect on the fringeland itself.

Regis Parsons then presented the group with some of the concerns of the back property owners of Two Bird Cove. Regis explained that they are not opposed to having sailboats come into the cove. He continued to note that, as Jim L. had pointed out, all over the lake people have built homes close to the shore. He cautioned that the Yacht club members should understand that some of the back property owners own down to the 360'. Regis noted that there had been a conscious decision by their families to keep their lands natural. He acknowledged that he cannot guarantee that under future owners, these properties will remain as they are currently and cautioned that much of the land off which the yacht owners anchor is not SCE&G fringeland but is privately owned. He continued to explain that he cannot guarantee that the property will remain as it currently is in the future. He also explained that because Two Bird Cove is now labeled as a Special Recreation Area, it will attract more people and thus have an adverse impact on the shoreline and aquatic habitat. Regis further asked the group to look at it from the point of view of other users of the cove. He explained that they when there are too many sailboats rafted up in the cove, it is difficult for other boaters and fishermen to use the cove. Regis explained that he had received a written response from FERC (NOV 1, 2006) stating that the cove designation is intended only to confirm the historical use of the cove waters for overnight anchoring, and that the designation was not to be interpreted as involving any additional provisions. Given that FERC explicitly stated that the designation had no other provisions, he argued that the notion that the designation would keep the cove fringelands protected from development was baseless. Regis ended asking that the TWC support removing the designation from the waters of the cove.

Steve Bell explained that the Lake and Land Management TWC would be discussing the fringeland tracts in Two Bird Cove as a part of land rebalancing discussions. Steve noted that the designation will be considered as a part of the decision making during rebalancing. Alan added that the classification will just be one of many factors considered during the rebalancing. Ron Ahle noted that he was personally concerned about the cove because it is a very significant fish spawning area. Ron also explained that he personally wished that the designation would go away because the designation has resulted in pitting folks of similar interest at odds with each other. He continued to explain that the location of the designation was unknown to him until after the FERC order. Amanda Hill agreed that this would be a cove that the agencies will want to protect. She then asked the group if they would be agreeable to the TWC requesting that the Special Recreation Area designation be removed, however the fringelands be protected. There were differences of opinion regarding this.

It was also pointed out that the Harmon family has provisions in their deed that they have the right to farm the fringeland if they so choose. Tommy further explained that the deed entails that the Harmon's have agricultural and pasture use of the land and allows them to clear to the water's edge. He noted that when the FERC made the decision to make the cove a Special Recreation Area, they did not know about this. Tommy further explained that this was a perpetual deed.

John Sheffield, a sailboat owner, then began to discuss the issue of the designation with the group. He noted that he felt the sailboat owners and the back property owners both had common ground on this issue. He asked the group if the back property owners would work with them in preserving the fringelands. One individual replied that, if all the usage rights are the same, with and without the designation, then why not have the designation removed so there is no more misinterpretation. Phil Hamby, a back property owner, pointed out that the decision to designate the cove was done in a manner that was not an open process. The public's (back property's) ability to provide input was negated since the location of Two Bird Cove was not identified until after the FERC designation was made. He then asked the group if there were any other coves that the group could explore switching the designation to. One individual replied that there were not any coves, other than Two Bird Cove that were within a certain distance of sailing from Mr. Leslie's marina. Phil replied that no studies were conducted outlining options; therefore, he would like to see some other options given and consider working towards some sort of compromise. He continued to note that it would work best to designate a location that already has public use occurring (such as the current State Park, or at the new proposed State Park) instead of adjacent to private residences/back property owners. Vicki Hamby explained that part of their concern is what the designation may mean for the land. She noted that they, as back property owners, have had to deal with the noise pollution, congestion and the loss of privacy. She also noted that this designation also causes some people to view the area as a "party cove". Tommy pointed out that FERC made the designation decision before they knew of the deed restrictions, so that may shed some light on the situation. Tommy noted that they also had to get some advice from their legal staff on this issue.

Joy Downs with LMA shared her opinion on the subject with the group. She explained that she did not believe this designation has been made anywhere else and was a little disappointed that the FERC only considered one group's opinion when making this decision. Joy explained that the Lake Murray Association is concerned that there is a designation on the lake that there is no good definition or reason for.

There was more discussion from individuals from each organization and the group agreed that they must work together, and not let it get to the point where threats were being made regarding the land. Alan asked the individuals who were members of the TWC if any more information was needed from the groups to supplement discussions on the land designations. Ron pointed out that one thing that they had discussed in the TWC was if there was another place on the Lake for the designation. He continued to explain that he was hearing that there was not, however he asked if the groups could come together and look at a map of the lake. An individual from WPYC noted that it needed to be within 5 miles of where they were docked.

In closing, Alan explained that the TWC will review the lands of Two Bird Cove, but noted the issue of the recreation designation may not be resolved in the license. He noted that the WPYC and back property owners needed to come together to come to a resolution with the designation. Alan also noted that the TWC could make the recommendation to the FERC if the WPYC and back property owners came together to a resolution. Various back property representatives noted that it was unreasonable to be asked to develop a compromise after the fact. They expressed that they had no position to compromise from since the designation was already in place – they would only lose more. Further, it was clarified that they believed in compromise and communication, and that is

exactly why they wanted to have that opportunity occur BEFORE the designation was decreed. It was also noted that any recommendations by the TWC in the classifications of fringeland properties will be made available to those parties involved. Tommy explained that action items for SCE&G included finding out if the FERC can place a designation on navigable waters and also review the deed restrictions on the Harmon property. The group adjourned and Alan again encouraged the WPYC and back property owners to come together and discuss a resolution that can be presented to the TWC.

Kacie Jensen

From: pavhamby@earthlink.net
Sent: Monday, July 09, 2007 3:42 PM
To: Alison Guth
Subject: RE: RE: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Alison:

Thanks for the follow-up. I'm having a little trouble reading/understanding the comments you have from Ron. I know you must have been close to typing at the speed of light while everyone was making comments.

I think it is important to include Ron's thoughts on "the evolution of the designation is a mystery to me" and the "I personally wish the designation would go away" portions - even if these are from a personal perspective. I think it helps folks from FERC have an opportunity to acknowledge that "non-Two Bird Cove families" also have similar feelings as to the oddity/inappropriateness of the designation being made.

FERC and other stakeholders have more of familiarity with folks like Ron Ahle and Joy Downs than they do us (we've unfortunately come in bearing the honor of the "late-coming complainers" that are the ceremonial "fly in the soup" in the relicensing process). Accordingly, Ron & Joy's comments may garner much greater weight than what we could ever say.

Thanks again for the follow-up,

Phil

p.s. Feel free to call me if you'd like (734-0139wk; 359-3729hm).

-----Original Message-----

From: Alison Guth
Sent: Jul 9, 2007 1:12 PM
To: pavhamby@earthlink.net
Subject: RE: RE: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Hey Phil,

I apologize for taking a while to get back with you. I actually have something a little different in my original meeting notes. I have the following: Ron Ahle: "the evolution of the designation is a mystery to me, when we are looking at the value of the properties in question, the use is the most important, not the designation. I understand your feelings, it is obvious that everyone in the room has an interest because of what you have done, but I think the problem, I personally wish the designation would go away... but we want to focus on the uses and how the lake is going to look in the future, I hate to see this discussion go the [negative] direction, because of a lot of positive things we are doing. My concern personally was that it was a very significant fish spawning area, I was concerned about that aspect of it"

One of the reasons why I didn't include that comment is because he was speaking personally and not officially on the behalf of DNR. Ron does give his personal opinion from time to time during relicensing meetings and I am careful not to include those comments because there has

been confusion in the past on whether or not that was the official opinion of DNR. If you believe it is important that we include Ron's personal comments, I will be happy to call or email Ron to see if that inclusion is okay with him. Just let me know. Thanks! Alison

-----Original Message-----

From: pavhamby@earthlink.net [mailto:pavhamby@earthlink.net]

Sent: Wednesday, June 27, 2007 9:46 AM

To: Alison Guth

Subject: Fw: RE: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Alison:

I remembered one more comment that was made by Ron Ahle. I added it as a last sentence in the following paragraph:

Joy Downs with LMA shared her opinion on the subject with the group. She explained that she did not believe this designation has been made anywhere else and was a little disappointed that the FERC only considered one group's opinion when making this decision. Joy explained that the Lake Murray Association is concerned that there is a designation on the lake that there is no good definition or reason for. In addition, Ron Ahle with SCDNR noted that he wished the designation had never been made.

Sorry for the late entry, but it's significant to note on the record that another entity expressed such a statement.

Thanks-
Phil

-----Forwarded Message-----

From: "pavhamby@earthlink.net"

Sent: Jun 25, 2007 3:18 PM

To: Alison Guth

Subject: Fw: RE: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Alison:

Thanks for your work on all this. I have attached some amendments - please note in red.

I hope all is well your way. Have a nice week-
Phil

-----Forwarded Message-----

From: Tony Bebbber

Sent: Jun 11, 2007 5:12 PM

To: Alison Guth , aharmon@lpagroup.com, Dee Dee Simmons , John Frick , Linda Schneider , Phil Hamby , rparsons12@alltel.net, Winward point Yacht Club , Van Hoffman , Alan Stuart , Amanda Hill , Bill Argentieri , Carl Sundius , David Hancock , Dick Christie , Jennifer O'Rourke , John Frick , Joy Downs , Randy Mahan , Rhett Bickley , Ron Ahle , Ronald Scott , Roy Parker , Sheri Armstrong , Steve Bell , Suzanne Rhodes , Synithia Williams , Tom Ruple , Tommy Boozer , "J. Ryan" , jlesliejr@bellsouth.net, Bill.walker@mail.house.gov, vmhamby@gwm.sc.edu, msmith35@sc.rr.com, Fran.Trapp@usdoj.gov, bill2sail@hotmail.com, grissom151@aol.com, parkerc@midlandstech.edu, Jvjaques@aol.com, wshangle@sc.rr.com, shopper1963@hotmail.com, bluewater4us@aol.com, rs , kel593@hotmail.com,

bs.anderson@hotmail.com, Ginger.gocke@contractoryard.com, jarichardson@colacoll.edu, msmith35@sc.rr.com, dtullis001@sc.rr.com, sfitts@thefittscompany.com, jlesliejr@bellsouth.net, jsheff1947@aol.com, "SUMMER, MICHAEL C" , cas@FMC.sc.edu, shopper1963@hotmail.com
Subject: RE: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

I made one addition to Phil Hamby's comments (shown in track changes mode). Phil may want to review for specific wording (but I thought it would be good to have in the record his comments about public involvement and Two Bird/Harmon Cove identification). Alison, it would also be good to add page numbers.

Good summary of a difficult issue.

Thanks,

Tony Bebber, AICP

Planning Manager, Recreation, Planning & Engineering Office
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Shaping & Sharing a Better South Carolina

websites: www.DiscoverSouthCarolina.com www.SouthCarolinaParks.com
www.SCTrails.net

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]

Sent: Monday, June 11, 2007 4:11 PM

To: Alison Guth; aharmon@lpagroup.com; Dee Dee Simmons ; John Frick; Linda Schneider ; Phil Hamby ; rparsons12@alltel.net; Winward point Yacht Club ; Van Hoffman; Alan Stuart; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebber; J. Ryan; jlesliejr@bellsouth.net; Bill.walker@mail.house.gov; vmhamby@gwm.sc.edu; msmith35@sc.rr.com; Fran.Trapp@usdoj.gov; bill2sail@hotmail.com; grissom151@aol.com; parkerc@midlandstech.edu; Jvjaques@aol.com; wshangle@sc.rr.com; shopper1963@hotmail.com; bluewater4us@aol.com; rs; kel593@hotmail.com; bs.anderson@hotmail.com; Ginger.gocke@contractoryard.com; jarichardson@colacoll.edu; msmith35@sc.rr.com; dtullis001@sc.rr.com; sfitts@thefittscompany.com; jlesliejr@bellsouth.net; jsheff1947@aol.com; SUMMER, MICHAEL C; cas@FMC.sc.edu; shopper1963@hotmail.com

Subject: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Hello All,

Below I have attached the draft set of meeting notes from the May 24th Lake and Land TWC Meeting. If you attended the meeting and have any corrections to the notes, or you have felt I have left something out, please provide your comments to me by June 25th. I will then send out a final set of meeting notes with any comments addressed. Thanks and take care, Alison

<<2007-5-24 draft Meeting Minutes -Lake and Land TWC.doc>>

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F: (803) 822-3183

Kacie Jensen

From: pavhamby@earthlink.net
Sent: Wednesday, June 27, 2007 9:46 AM
To: Alison Guth
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Alison Guth

Licensing Coordinator

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
May 24, 2007**

Draft acg 6-11-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bonnie Harmon, property owner
Alan Stuart, Kleinschmidt Associates	Clyde Harmon, property owner
Bill Argentieri, SCE&G	Phil Hamby, property owner
Steve Bell, Lake Watch	Mac Smith, boater
Tony Bebber, SCPRT	Debra Booth Tullis, boater
Kristine Jensen, WPYC	Brenda Parsons, property owner
Bill Grant, WPYC	Regis Parsons, property owner
Russell Jacobus, WPYC	Sonya Nussbaum, property owner
Kelley McLeod, WPYC	Ken Simmons, property owner, Wingfield
Fran Trapp, WPYC	Dee Dee Simmons, property owner, Wingfield
Brad Anderson, WPYC	Steve Fitts, property owner, Wingfield
Ginger Gocke, WPYC	Dave Landis, LMA
George Schneider, property owner	Joy Downs, LMA
Linda Schneider, property owner	Connie Frick, property owner
Jennifer Richardson, property owner	John Frick, property owner
Ellis Harmon, property owner	Amanda Hill, USFWS
Emily Hamby, property owner	Ron Ahle, SCDNR
James Leslie, Lake Murray Docks, Inc.	Barbara Grissom, boater
John Sheffield, boater	Mike Summer, SCE&G
Dick Christie, SCDNR	John Jaques, WPYC
Cecil Sheppard, Bass	Tommy Boozer, SCE&G
Sherron Hopper, WPYC	

HOMEWORK:

- Discuss Harmon property deed restrictions with legal team – SCE&G
- Discuss FERC's designation on SC navigable waters with legal team – SCE&G

DATE OF NEXT MEETING: TBA

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart opened the meeting and noted that they would begin discussions with two presentations from stakeholders. John Frick was the first to present to the group, and his discussion centered around his recommendations for a framework for the Shoreline Management Plan. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/LakeMurrayShorelineManagementPlanpresentation.ppt>. After John F. completed his presentation, the floor was opened up for questions and comments. There were some concerns expressed about the large size of lots that were being proposed which would cater only to the extremely wealthy. Tommy Boozer clarified that during the relicensing they could only deal with what was inside the project boundary line (PBL), they could make decisions on permitting docks, but not on zoning and lot sizes. John F. noted that his framework for a SMP looked at the total lands and the fringelands, and the SMP must extend beyond the PBL to be effective. Steve Bell pointed out that the sale of fringelands was yet to be discussed in the TWC.

Dee Dee Simmons and Steve Fitts then gave a presentation on the property they were currently in the process of developing, Wingfield. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/WingfieldPresentation-May2407.ppt>. As Dee Dee concluded the presentation, she explained that the county was very excited about this development, as the counties are having a lot of negative impact from the high density development. Tony Bebbler noted that similarly on the Saluda River there was a development that has left the frontage along the river as common area. After the Wingfield presentation, the floor was also opened for questions. There were several questions about the natural areas that were being implemented on the property. Dee Dee noted that they were currently working on obtaining the fringelands around the property. Ron Ahle asked if the fringeland was made available, not to buy, but under a type of fee program in order to obtain boat slips, if that would be acceptable. Dee Dee noted that may be a favorable option.

After the presentations had been concluded, Alan explained that the group would spend the remainder of the meeting time discussing Two Bird Cove and its designation as a Special Recreation Area. Tommy began the discussion by giving the group an update of the situation. Tommy explained that this first surfaced during the required five year review period of the SMP. He explained that at one of the meetings for the review, Jim Leslie with Lake Murray Docks discussed the protection of a cove that they had historically used for sailboating. Tommy noted that as the orders started to proceed, SCE&G was ordered by the Federal Energy Regulatory Commission (FERC) to discuss with DNR and USFWS on designating this cove a Special Recreation Area. Tommy explained that they were not familiar with the name Two Bird Cove, as it was stated in the FERC order, as it had always been known as Harmon Cove in the past. He continued to note that originally SCE&G was opposed to the designation, however they were required by FERC to reevaluate it and the 2004 order required SCE&G to designate the waters in the cove. Tommy pointed out that the designation only applies to the waters, however, not the land. It was further noted that SCE&G does not have any road access to the property. He explained that there have been some concerns by homeowners regarding the designation, however the group could not make a decision today, as it was up to the FERC. One individual asked what the Harmon's (back property owners) wanted to be done when the designation came about. Ellis Harmon noted that they had wanted the cove left as it was, not for use by only one group of recreators. Alan explained, however, that the FERC designation did not prohibit anyone else from using the cove. Alan continued to note that he believed that the Windward Point Yacht Club's (WPYC) intention behind the request was to make sure that the property was protected, however the FERC responded and protected the water. It was noted that the question also arose of whether or not the FERC had

the legal authority to designate the navigable waters of the state of South Carolina. The concern that the back property owners expressed was that the special designation may encourage more use and act as a flashing beacon for recreators. Alan noted that this would be best discussed if representatives from each group came to the front to express their opinions on the issue.

Jim Leslie spoke for the first on behalf of Lake Murray Docks. Jim L. explained that they were concerned about preserving the water *and* the land of Two Bird Cove. He noted that this area is very important to the sailing community, **and admitted that he does have a direct business interest in the designation staying in place. The cove is within a certain sailing distance from his marina.** He explained that he would like to see the SCE&G lands of Two Bird Cove and Hurricane Cove taken out of future development and placed in some type of land trust. He also noted that originally the most convenient cove for sailboaters was Pine Island, however it has become too developed. He noted that their group wanted the designation to stay as it was, as they felt the designation gave more leverage for keeping the fringelands unsold. **Phil Hamby explained that this is why the water-based designation does have a potential negative affect on the fringeland itself.**

Regis Parsons then presented the group with some of the concerns of the back property owners of Two Bird Cove. Regis explained that they are not opposed to have sailboats come into the cove, however, he noted that they should understand that some of the back property own down to the 360'. He continued to note that, as Jim L. had pointed out, all over the lake people have built homes close to the shore. Regis noted that there had been a conscious decision by their families to keep their lands natural. He continued to explain that he cannot guarantee that the property will remain as it currently is in the future. He also explained that because Two Bird Cove is now labeled as a Special Recreation Area, then it will attract more people that thus have an adverse impact on the shoreline. Regis further asked the group to look at it from the back property owners point of view. He explained that they have had people come use their picnic tables, sunbathers using their docks, and when there are several sailboats rafted up in the cove, it is difficult for anyone else to use the cove. Regis ended explaining that they did not see a need for keeping the designation.

Steve Bell explained that the Lake and Land Management TWC would be discussing the fringeland tracts in Two Bird Cove as a part of land rebalancing discussions. Steve noted that the designation will be considered as a part of the decision making during rebalancing. Alan added that the classification will just be one of many factors considered during the rebalancing. Ron Ahle noted that he was personally concerned about the cove because it is a very significant fish spawning area. Amanda Hill agreed that this would be a cove that the agencies will want to protect. She then asked the group if they would be agreeable to the TWC requesting that the Special Recreation Area designation be removed, however the fringelands be protected. There were differences of opinion regarding this.

It was also pointed out that the Harmon family has provisions in their deed that they have the right to farm the fringeland if they so choose. Tommy further explained that the deed entails that the Harmon's have agricultural and pasture use of the land and allows them to clear to the water's edge. He noted that when the FERC made the decision to make the cove a Special Recreation Area, they did not know about this. Tommy further explained that this was a perpetual deed.

John Sheffield, a sailboat owner, then began to discuss the issue of the designation with the group. He noted that he felt the sailboat owners and the back property owners both had common ground on this issue. He asked the group if the back property owners would work with them in preserving the fringelands. One individual replied that, if all the usage rights are the same, with and without the designation, then why not have the designation removed so there is no more misinterpretation. Phil Hamby, a back property owner, **pointed out that the decision to designate the cove was done in a manner that was not an open process. FERC had no real** ~~The public's (back property's) ability to~~

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provide input was negated ~~involvement in the decision process and the~~ since the location of Two Bird Cove was not identified until after the FERC designation was made. He then asked the group if there were any other coves that the group could explore switching the designation to. One individual replied that there were not any coves, other than Two Bird Cove that were within a certain distance of sailing from Mr. Leslie's marina. appropriate for sailboats. Phil replied that no studies were conducted outlining options; therefore, he, nevertheless, they would like to see some other options given and consider working towards some sort of compromise. It would work best to designate a location that already has public use occurring (such as the current State Park, or at the new proposed State Park) instead of adjacent to private residences/back property owners. Emily Hamby explained that part of their concern is what the designation may mean for the land. She noted that they, as back property owners, have had to deal with the noise pollution, congestion and the loss of privacy. She also noted that this designation also causes some people to view the area as a "party cove". Tommy pointed out that FERC made the designation decision before they knew of the deed restrictions, so that may shed some light on the situation. Tommy noted that they also had to get some advice from their legal staff on this issue.

Joy Downs with LMA shared her opinion on the subject with the group. She explained that she did not believe this designation has been made anywhere else and was a little disappointed that the FERC only considered one group's opinion when making this decision. Joy explained that the Lake Murray Association is concerned that there is a designation on the lake that there is no good definition or reason for.

There was more discussion from individuals from each organization and the group agreed that they must work together, and not let it get to the point where threats were being made regarding the land. Alan asked the individuals who were members of the TWC if any more information was needed from the groups to supplement discussions on the land designations. Ron pointed out that one thing that they had discussed in the TWC was if there was another place on the Lake for the designation. He continued to explain that he was hearing that there was not, however he asked if the groups could come together and look at a map of the lake. An individual from WPYC noted that it needed to be within 5 miles of where they were docked.

In closing, Alan explained that the TWC will review the lands of Two Bird Cove, but noted the issue of the recreation designation may not be resolved in the license. He noted that the WPYC and back property owners needed to come together to come to a resolution with the designation. Alan also noted that the TWC could make the recommendation to the FERC if the WPYC and back property owners came together to a resolution. Various back property representatives noted that it was unreasonable to be asked to develop a compromise after the fact. They expressed that they had no position to compromise from since the designation was already in place – they would only lose more. Further, it was clarified that they believed in compromise and communication, and that is exactly why they wanted to have that opportunity occur BEFORE the designation was decreed. It was also noted that any recommendations by the TWC in the classifications of fringeland properties will be made available to those parties involved. Tommy explained that action items for SCE&G included finding out if the FERC can place a designation on navigable waters and also review the deed restrictions on the Harmon property. The group adjourned and Alan again encouraged the WPYC and back property owners to come together and discuss a resolution that can be presented to the TWC.

Kacie Jensen

From: Alison Guth
Sent: Wednesday, June 27, 2007 11:45 AM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong '; 'Steve Bell'; 'Suzanne Rhodes'; 'Synithia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'; 'grissom151@aol.com'; 'parkerc@midlandstech.edu'; 'Jvjaques@aol.com'; 'wshangle@sc.rr.com'; 'shopper1963@hotmail.com'; 'bluewater4us@aol.com'; 'rs'; 'kel593@hotmail.com'; 'bs.anderson@hotmail.com'; 'Ginger.gocke@contractoryard.com'; 'jarichardson@colacoll.edu'; 'msmith35@sc.rr.com'; 'dtullis001@sc.rr.com'; 'sfitts@thefittscompany.com'; 'jlesliejr@bellsouth.net'; 'jsheff1947@aol.com'; 'SUMMER, MICHAEL C'; 'cas@FMC.sc.edu'; 'shopper1963@hotmail.com'
Subject: Final Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Hello All,

I have incorporated the comments that were sent to me, and attached is the final set of meeting notes from the May 24th Lake and Land TWC meeting. Thanks! Alison



2007-5-24 final
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
May 24, 2007**

Final acg 6-27-07

ATTENDEES:

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Bill Argentieri, SCE&G
Steve Bell, Lake Watch
Tony Bebber, SCPRT
Kristine Jensen, WPYC
Bill Grant, WPYC
Russell Jacobus, WPYC
Kelley McLeod, WPYC
Fran Trapp, WPYC
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Ginger Gocke, WPYC
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Regis Parsons, property owner
Sonya Nussbaum, property owner
Ken Simmons, property owner, Wingfield
Dee Dee Simmons, property owner, Wingfield
Steve Fitts, property owner, Wingfield
Dave Landis, LMA
Joy Downs, LMA
Connie Frick, property owner
John Frick, property owner
Amanda Hill, USFWS
Ron Ahle, SCDNR
Barbara Grissom, boater
Mike Summer, SCE&G
John Jaques, WPYC
Tommy Boozer, SCE&G
Vicki Hamby, property owner

HOMEWORK:

- Discuss Harmon property deed restrictions with legal team – SCE&G
- Discuss FERC's designation on SC navigable waters with legal team – SCE&G

DATE OF NEXT MEETING: TBA

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart opened the meeting and noted that they would begin discussions with two presentations from stakeholders. John Frick was the first to present to the group, and his discussion centered around his recommendations for a framework for the Shoreline Management Plan. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/LakeMurrayShorelineManagementPlanpresentation.ppt> . After John F. completed his presentation, the floor was opened up for questions and comments. There were some concerns expressed about the large size of lots that were being proposed which would cater only to the extremely wealthy. Tommy Boozer clarified that during the relicensing they could only deal with what was inside the project boundary line (PBL), they could make decisions on permitting docks, but not on zoning and lot sizes. John F. noted that his framework for a SMP looked at the total lands and the fringelands, and the SMP must extend beyond the PBL to be effective. Steve Bell pointed out that the sale of fringelands was yet to be discussed in the TWC.

Dee Dee Simmons and Steve Fitts then gave a presentation on the property they were currently in the process of developing, Wingfield. The presentation can be viewed at <http://www.saludahydrorelicense.com/documents/WingfieldPresentation-May2407.ppt> . As Dee Dee concluded the presentation, she explained that the county was very excited about this development, as the counties are having a lot of negative impact from the high density development. Tony Bebbler noted that similarly on the Saluda River there was a development that has left the frontage along the river as common area. After the Wingfield presentation, the floor was also opened for questions. There were several questions about the natural areas that were being implemented on the property. Dee Dee noted that they were currently working on obtaining the fringelands around the property. Ron Ahle asked if the fringeland was made available, not to buy, but under a type of fee program in order to obtain boat slips, if that would be acceptable. Dee Dee noted that may be a favorable option.

After the presentations had been concluded, Alan explained that the group would spend the remainder of the meeting time discussing Two Bird Cove and its designation as a Special Recreation Area. Tommy began the discussion by giving the group an update of the situation. Tommy explained that this first surfaced during the required five year review period of the SMP. He explained that at one of the meetings for the review, Jim Leslie with Lake Murray Docks discussed the protection of a cove that they had historically used for sailboating. Tommy noted that as the orders started to proceed, SCE&G was ordered by the Federal Energy Regulatory Commission (FERC) to discuss with DNR and USFWS on designating this cove a Special Recreation Area. Tommy explained that they were not familiar with the name Two Bird Cove, as it was stated in the FERC order, as it had always been known as Harmon Cove in the past. He continued to note that originally SCE&G was opposed to the designation, however they were required by FERC to reevaluate it and the 2004 order required SCE&G to designate the waters in the cove. Tommy pointed out that the designation only applies to the waters, however, not the land. It was further noted that SCE&G does not have any road access to the property. He explained that there have been some concerns by homeowners regarding the designation, however the group could not make a decision today, as it was up to the FERC. One individual asked what the Harmon's (back property owners) wanted to be done when the designation came about. Ellis Harmon noted that they had wanted the cove left as it was, not for use by only one group of recreators. Alan explained, however, that the FERC designation did not prohibit anyone else from using the cove. Alan continued to note that he believed that the Windward Point Yacht Club's (WPYC) intention behind the request was to make sure that the property was protected, however the FERC responded and protected the water. It was noted that the question also arose of whether or not the FERC had

the legal authority to designate the navigable waters of the state of South Carolina. The concern that the back property owners expressed was that the special designation may encourage more use and act as a flashing beacon for recreators. Alan noted that this would be best discussed if representatives from each group came to the front to express their opinions on the issue.

Jim Leslie spoke for the first on behalf of Lake Murray Docks. Jim L. explained that they were concerned about preserving the water *and* the land of Two Bird Cove. He noted that this area is very important to the sailing community, and added that he does have a direct business interest in the designation staying in place as the cove is within a certain sailing distance from his marina. He explained that he would like to see the SCE&G lands of Two Bird Cove and Hurricane Cove taken out of future development and placed in some type of land trust. He also noted that originally the most convenient cove for sailboaters was Pine Island, however it has become too developed. He noted that their group wanted the designation to stay as it was, as they felt the designation gave more leverage for keeping the fringelands unsold. Phil Hamby explained that this is why the water-based designation does have a potential negative affect on the fringeland itself.

Regis Parsons then presented the group with some of the concerns of the back property owners of Two Bird Cove. Regis explained that they are not opposed to having sailboats come into the cove. He continued to note that, as Jim L. had pointed out, all over the lake people have built homes close to the shore. He cautioned that the Yacht club members should understand that some of the back property owners own down to the 360'. Regis noted that there had been a conscious decision by their families to keep their lands natural. He acknowledged that he cannot guarantee that under future owners, these properties will remain as they are currently and cautioned that much of the land off which the yacht owners anchor is not SCE&G fringeland but is privately owned. He continued to explain that he cannot guarantee that the property will remain as it currently is in the future. He also explained that because Two Bird Cove is now labeled as a Special Recreation Area, it will attract more people and thus have an adverse impact on the shoreline and aquatic habitat. Regis further asked the group to look at it from the point of view of other users of the cove. He explained that they when there are too many sailboats rafted up in the cove, it is difficult for other boaters and fishermen to use the cove. Regis explained that he had received a written response from FERC (NOV 1, 2006) stating that the cove designation is intended only to confirm the historical use of the cove waters for overnight anchoring, and that the designation was not to be interpreted as involving any additional provisions. Given that FERC explicitly stated that the designation had no other provisions, he argued that the notion that the designation would keep the cove fringelands protected from development was baseless. Regis ended asking that the TWC support removing the designation from the waters of the cove.

Steve Bell explained that the Lake and Land Management TWC would be discussing the fringeland tracts in Two Bird Cove as a part of land rebalancing discussions. Steve noted that the designation will be considered as a part of the decision making during rebalancing. Alan added that the classification will just be one of many factors considered during the rebalancing. Ron Ahle noted that he was personally concerned about the cove because it is a very significant fish spawning area. Amanda Hill agreed that this would be a cove that the agencies will want to protect. She then asked the group if they would be agreeable to the TWC requesting that the Special Recreation Area designation be removed, however the fringelands be protected. There were differences of opinion regarding this.

It was also pointed out that the Harmon family has provisions in their deed that they have the right to farm the fringeland if they so choose. Tommy further explained that the deed entails that the Harmon's have agricultural and pasture use of the land and allows them to clear to the water's edge. He noted that when the FERC made the decision to make the cove a Special Recreation Area, they did not know about this. Tommy further explained that this was a perpetual deed.

John Sheffield, a sailboat owner, then began to discuss the issue of the designation with the group. He noted that he felt the sailboat owners and the back property owners both had common ground on this issue. He asked the group if the back property owners would work with them in preserving the fringelands. One individual replied that, if all the usage rights are the same, with and without the designation, then why not have the designation removed so there is no more misinterpretation. Phil Hamby, a back property owner, pointed out that the decision to designate the cove was done in a manner that was not an open process. The public's (back property's) ability to provide input was negated since the location of Two Bird Cove was not identified until after the FERC designation was made. He then asked the group if there were any other coves that the group could explore switching the designation to. One individual replied that there were not any coves, other than Two Bird Cove that were within a certain distance of sailing from Mr. Leslie's marina. Phil replied that no studies were conducted outlining options; therefore, he would like to see some other options given and consider working towards some sort of compromise. He continued to note that it would work best to designate a location that already has public use occurring (such as the current State Park, or at the new proposed State Park) instead of adjacent to private residences/back property owners. Vicki Hamby explained that part of their concern is what the designation may mean for the land. She noted that they, as back property owners, have had to deal with the noise pollution, congestion and the loss of privacy. She also noted that this designation also causes some people to view the area as a "party cove". Tommy pointed out that FERC made the designation decision before they knew of the deed restrictions, so that may shed some light on the situation. Tommy noted that they also had to get some advice from their legal staff on this issue.

Joy Downs with LMA shared her opinion on the subject with the group. She explained that she did not believe this designation has been made anywhere else and was a little disappointed that the FERC only considered one group's opinion when making this decision. Joy explained that the Lake Murray Association is concerned that there is a designation on the lake that there is no good definition or reason for.

There was more discussion from individuals from each organization and the group agreed that they must work together, and not let it get to the point where threats were being made regarding the land. Alan asked the individuals who were members of the TWC if any more information was needed from the groups to supplement discussions on the land designations. Ron pointed out that one thing that they had discussed in the TWC was if there was another place on the Lake for the designation. He continued to explain that he was hearing that there was not, however he asked if the groups could come together and look at a map of the lake. An individual from WPYC noted that it needed to be within 5 miles of where they were docked.

In closing, Alan explained that the TWC will review the lands of Two Bird Cove, but noted the issue of the recreation designation may not be resolved in the license. He noted that the WPYC and back property owners needed to come together to come to a resolution with the designation. Alan also noted that the TWC could make the recommendation to the FERC if the WPYC and back property owners came together to a resolution. Various back property representatives noted that it was unreasonable to be asked to develop a compromise after the fact. They expressed that they had no position to compromise from since the designation was already in place – they would only lose more. Further, it was clarified that they believed in compromise and communication, and that is exactly why they wanted to have that opportunity occur BEFORE the designation was decreed. It was also noted that any recommendations by the TWC in the classifications of fringeland properties will be made available to those parties involved. Tommy explained that action items for SCE&G included finding out if the FERC can place a designation on navigable waters and also review the deed restrictions on the Harmon property. The group adjourned and Alan again encouraged the

WPYC and back property owners to come together and discuss a resolution that can be presented to the TWC.

Kacie Jensen

From: Alison Guth
Sent: Monday, June 11, 2007 4:11 PM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong '; 'Steve Bell'; 'Suzanne Rhodes'; 'Synithia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'; 'grissom151@aol.com'; 'parker@midlandstech.edu'; 'Jvjaques@aol.com'; 'wshangle@sc.rr.com'; 'shopper1963@hotmail.com'; 'bluewater4us@aol.com'; 'rs'; 'kel593@hotmail.com'; 'bs.anderson@hotmail.com'; 'Ginger.gocke@contractoryard.com'; 'jarichardson@colacoll.edu'; 'msmith35@sc.rr.com'; 'dtullis001@sc.rr.com'; 'sfitts@thefittscompany.com'; 'jlesliejr@bellsouth.net'; 'jsheff1947@aol.com'; 'SUMMER, MICHAEL C'; 'cas@FMC.sc.edu'; 'shopper1963@hotmail.com'
Subject: Meeting notes - Lake and Land TWC - Two Bird Cove Discussions

Hello All,

Below I have attached the draft set of meeting notes from the May 24th Lake and Land TWC Meeting. If you attended the meeting and have any corrections to the notes, or you have felt I have left something out, please provide your comments to me by June 25th. I will then send out a final set of meeting notes with any comments addressed. Thanks and take care, Alison



2007-5-24 draft
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
May 24, 2007**

Draft acg 6-11-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates
Bill Argentieri, SCE&G
Steve Bell, Lake Watch
Tony Bebber, SCPRT
Kristine Jensen, WPYC
Bill Grant, WPYC
Russell Jacobus, WPYC
Kelley McLeod, WPYC
Fran Trapp, WPYC
Brad Anderson, WPYC
Ginger Gocke, WPYC
George Schneider, property owner
Linda Schneider, property owner
Jennifer Richardson, property owner
Ellis Harmon, property owner
Emily Hamby, property owner
James Leslie, Lake Murray Docks, Inc.
John Sheffield, boater
Dick Christie, SCDNR
Cecil Sheppard, Bass
Sherron Hopper, WPYC

Bonnie Harmon, property owner
Clyde Harmon, property owner
Phil Hamby, property owner
Mac Smith, boater
Debra Booth Tullis, boater
Brenda Parsons, property owner
Regis Parsons, property owner
Sonya Nussbaum, property owner
Ken Simmons, property owner, Wingfield
Dee Dee Simmons, property owner, Wingfield
Steve Fitts, property owner, Wingfield
Dave Landis, LMA
Joy Downs, LMA
Connie Frick, property owner
John Frick, property owner
Amanda Hill, USFWS
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Barbara Grissom, boater
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John Jaques, WPYC
Tommy Boozer, SCE&G

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the legal authority to designate the navigable waters of the state of South Carolina. The concern that the back property owners expressed was that the special designation may encourage more use and act as a flashing beacon for recreators. Alan noted that this would be best discussed if representatives from each group came to the front to express their opinions on the issue.

Jim Leslie spoke for the first on behalf of Lake Murray Docks. Jim L. explained that they were concerned about preserving the water *and* the land of Two Bird Cove. He noted that this area is very important to the sailing community. He explained that he would like to see the SCE&G lands of Two Bird Cove and Hurricane Cove taken out of future development and placed in some type of land trust. He also noted that originally the most convenient cove for sailboaters was Pine Island, however it has become too developed. He noted that their group wanted the designation to stay as it was, as they felt the designation gave more leverage for keeping the fringelands unsold.

Regis Parsons then presented the group with some of the concerns of the back property owners of Two Bird Cove. Regis explained that they are not opposed to have sailboats come into the cove, however, he noted that they should understand that some of the back property own down to the 360'. He continued to note that, as Jim L. had pointed out, all over the lake people have built homes close to the shore. Regis noted that there had been a conscious decision by their families to keep their lands natural. He continued to explain that he cannot guarantee that the property will remain as it currently is in the future. He also explained that because Two Bird Cove is now labeled as a Special Recreation Area, then it will attract more people that thus have an adverse impact on the shoreline. Regis further asked the group to look at it from the back property owners point of view. He explained that they have had people come use their picnic tables, sunbathers using their docks, and when there are several sailboats rafted up in the cove, it is difficult for anyone else to use the cove. Regis ended explaining that they did not see a need for keeping the designation.

Steve Bell explained that the Lake and Land Management TWC would be discussing the fringeland tracts in Two Bird Cove as a part of land rebalancing discussions. Steve noted that the designation will be considered as a part of the decision making during rebalancing. Alan added that the classification will just be one of many factors considered during the rebalancing. Ron Ahle noted that he was personally concerned about the cove because it is a very significant fish spawning area. Amanda Hill agreed that this would be a cove that the agencies will want to protect. She then asked the group if they would be agreeable to the TWC requesting that the Special Recreation Area designation be removed, however the fringelands be protected. There were differences of opinion regarding this.

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Kacie Jensen

From: Alison Guth
Sent: Monday, May 21, 2007 11:15 AM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong '; 'Steve Bell'; 'Suzanne Rhodes'; 'Synithia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'; 'grissom151@aol.com'; 'parkerc@midlandstech.edu'; 'Jvjaques@aol.com'; 'wshangle@sc.rr.com'; 'shopper1963@hotmail.com'
Subject: CHANGE OF LOCATION - May 24th Lake and Land TWC meeting
Importance: High

Hello All,

There has been a change of location for this Thursday's Lake and Land Management TWC (discussions on Two Bird Cove). There have been more RSVP's than we originally anticipated and the meeting room at Carolina Research Park will not accommodate the number of individuals attending. We were able to secure a larger meeting room at the **Lake Murray Training Center**. For those of you that are not familiar with this location, directions are attached below. **Remember, we will begin this meeting at 1:00.** If you have not already done so, please RSVP for gate access. Feel free to email me with any questions that you may have, and please make sure you pass this information along to any individuals who you may know are attending that are not included on this distribution list. Thanks, Alison



Driving Directions to
Training...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

-----Original Message-----

From: Alison Guth
Sent: Tuesday, May 15, 2007 1:42 PM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong '; 'Steve Bell'; 'Suzanne Rhodes'; 'Synithia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'
Subject: May 24th Lake and Land TWC meeting

Hello all,

Just a reminder that we will be having a Lake and Land Management meeting to discuss Two Bird cove and shoreline management issues next Thursday (May 24th) at 1:00 pm at the SCE&G offices at Carolina Research Park. If you have not already done so, please RSVP by Friday. Feel free to contact me with any questions that you may have.

Thanks, Alison

-----Original Appointment-----

From: Alison Guth
Sent: Tuesday, May 01, 2007 4:23 PM
To: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebbber; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'
Subject: Lake and Land TWC - Presentations & Two Bird Cove Discussions
When: Thursday, May 24, 2007 1:00 PM-6:00 PM (GMT-05:00) Eastern Time (US & Canada).
Where: Carolina Reseach Park (directions attached below)

Hello All,

Well, after much discussion it appears that the best meeting date for the next Lake and Land TWC is May 24th. In the interest of fairness to all of the individuals involved we have compromised to begin this particular meeting at **1:00** in the afternoon. The agenda will consist of the following: Presentations from 1:00 pm to 3:00 pm by Dee Dee Simmons and John Frick on how back property owners in exchange for access to the lake can design low impact projects that will ensure long term protection of lake's shoreline. Discussions on Two Bird Cove will begin at 3:00 pm. I will send out a more formal agenda closer to the date of the meeting. Unfortunately the Training Center is booked for the day of the meeting, so we will be having the meeting at the SCE&G offices at Carolina Research Park, directions attached below. Please RSVP for this meeting. Thanks, Alison

<< File: Carolina Research Park - Directions.doc >>

Driving Directions to SCE&G's Lake Murray Training Center:

- The Lake and Land Management TWC meeting will occur at the SCE&G Lake Murray Training Center located on the dam.
- If you are crossing the dam, coming FROM Lexington and traveling TO Irmo, you will make a **right** at the first traffic light you encounter (the only light that is actually located on the dam).
- You will then make an immediate **left** and will see a guard station.
- The training center is the first building you come to once you pass through the guard station.

Kacie Jensen

Subject: Canceled: Lake and Land TWC - Presentations & Two Bird Cove Discussions
Location: Lake Murray Training Center

Start: Thu 5/24/2007 1:00 PM
End: Thu 5/24/2007 6:00 PM
Show Time As: Free

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Alison Guth; 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider '; 'Phil Hamby '; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club '; 'Van Hoffman'; Alan Stuart; 'Amanda Hill'; 'Bill Argentieri'; 'Carl Sundius'; 'David Hancock'; 'Dick Christie'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Randy Mahan'; 'Rhett Bickley'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'Sheri Armstrong '; 'Steve Bell'; 'Suzanne Rhodes'; 'Synithia Williams'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbber'; 'J. Ryan'; 'jlesliejr@bellsouth.net'; 'Bill.walker@mail.house.gov'; 'vmhamby@gwm.sc.edu'; 'msmith35@sc.rr.com'; 'Fran.Trapp@usdoj.gov'; 'bill2sail@hotmail.com'; 'grissom151@aol.com'; 'parkerc@midlandstech.edu'; 'Jvjaques@aol.com'; 'wshangle@sc.rr.com'; 'shopper1963@hotmail.com'

Importance: High

The following is a duplicate email in order to correct the meeting location for those of you using your Outlook Calendars:

Hello All,

There has been a change of location for this Thursday's Lake and Land Management TWC (discussions on Two Bird Cove). There have been more RSVP's than we originally anticipated and the meeting room at Carolina Research Park will not accommodate the number of individuals attending. We were able to secure a larger meeting room at the **Lake Murray Training Center**. For those of you that are not familiar with this location, directions are attached below. **Remember, we will begin this meeting at 1:00.** If you have not already done so, please RSVP for gate access. Feel free to email me with any questions that you may have, and please make sure you pass this information along to any individuals who you may know are attending that are not included on this distribution list. Thanks, Alison



Driving Directions to
Training...

Kacie Jensen

Subject: Lake and Land TWC - Presentations & Two Bird Cove Discussions
Location: Carolina Research Park (directions attached below)

Start: Thu 5/24/2007 1:00 PM
End: Thu 5/24/2007 6:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Alison Guth; Alex Harmon (aharmon@lpagroup.com); Dee Dee Simmons ; John Frick; Linda Schneider ; Phil Hamby ; Regis Parsons (rparsons12@alltel.net); Winward point Yacht Club ; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebber; J. Ryan; jlesliejr@bellsouth.net; Bill.walker@mail.house.gov; vmhamby@gwm.sc.edu

Hello All,

Well, after much discussion it appears that the best meeting date for the next Lake and Land TWC is May 24th. In the interest of fairness to all of the individuals involved we have compromised to begin this particular meeting at **1:00** in the afternoon. The agenda will consist of the following: Presentations from 1:00 pm to 3:00 pm by Dee Dee Simmons and John Frick on how back property owners in exchange for access to the lake can design low impact projects that will ensure long term protection of lake's shoreline. Discussions on Two Bird Cove will begin at 3:00 pm. I will send out a more formal agenda closer to the date of the meeting. Unfortunately the Training Center is booked for the day of the meeting, so we will be having the meeting at the SCE&G offices at Carolina Research Park, directions attached below. Please RSVP for this meeting. Thanks, Alison



Carolina Research
Park - Direc...

SCE&G

111 Research Drive
Columbia, SC 29203

From Columbia Airport

- Head WEST on I-26 (towards Spartanburg)
- Take I-20 East (towards Florence) Exit 107
- Take Exit 73, I-77 (Charlotte)
- Take Parklane Road exit
- Make a left at the stoplight, onto Parklane Road
- Cross the RR tracks and cross the intersection (Farrow Road and Parklane Road) into Carolina Research Park
- At the stop sign, make a left
- Make the next right
- The second building on the right is the SCE&G office.

From Charlotte

- Head South on I-77 (towards Columbia)
- Take Exit 19, Research Industrial Park and bear right onto Farrow Rd.
- Take the first right, which leads into the Research Industrial Park.
- At the stop sign, make a left
- Make the next right
- The second building on the right is the SCE&G office.

From Downtown Columbia

- Take Bull Street to I-277
- Take Parklane Road exit
- Make a left at the stoplight, onto Parklane Road
- Cross the RR tracks and cross the intersection (Farrow Road and Parklane Road)
- This takes you into Carolina Research Park
- At the stop sign, make a left
- Make the next right
- The second building on the right is the SCE&G office.

Directions from Charleston

- Take I-26 West to I-77 North
- I-77 to Farrow Road Exit, Bear right
- At the stoplight, turn right (into Carolina Research Park)
- At the stop sign, turn left
- Take the next right
- Second building on the right

Kacie Jensen

From: Alison Guth
Sent: Monday, April 30, 2007 1:38 PM
To: 'Alex Harmon (aharmon@lpagroup.com)'; 'Dee Dee Simmons '; 'John Frick'; 'Linda Schneider'; 'Phil Hamby'; 'Regis Parsons (rparsons12@alltel.net)'; 'Winward point Yacht Club'; Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebber; 'J. Ryan'
Subject: May 9th Meeting Date - discussion on Two Bird Cove

Hello All,

I know that this is short notice, but we were considering holding a Lake and Land Management TWC on Wednesday, May 9th. We would like to allot this time to discuss Two Bird Cove and Hurricane Cove, as well as hear presentations from Dee Dee Simmons and John Frick. It is important that this meeting be scheduled when those involved with Two Bird Cove and the Yacht Clubs involved are able to be in attendance. If you are free, please keep your schedules open for this date and I will send out a final meeting notice by Wednesday, if you are not available, please email me as soon as possible so that I know what our attendance would look like for that date and if it would need to be rescheduled. Thanks, Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Kacie Jensen

From: bellsteve9339@bellsouth.net
Sent: Tuesday, March 27, 2007 5:27 AM
To: Alison Guth; Tim Vinson; Alan Stuart; BARGENTIERI@scana.com; Dave Anderson; Dick Christie; Joy Downs; Lee Barber; Van Hoffman; Alison Guth; George Duke; John Frick; Kim Westbury; RMAHAN@scana.com; Rhett Bickley; Ronald Scott; Roy Parker; Theresa Powers; Tommy Boozer; Tony Bebbber; Amanda Hill; David Hancock; Ron Ahle
Subject: Request for agenda items

>

Alison- Before we begin discussions on re-balancing I believe it is important that we evaluate additional information that relates to the issues in the matrix.

A while back I requested time at a future meeting to :

Review and discuss concepts that several back property owners have regarding shoreline protection. In addition. This would include a presentation by Dee Dee Simons, a back property owner who is a member of the Lake and Land Management RCG.

In addition to the above Lake Watch request the following:

- (1) a discussion of SCE&G's policy requiring land purchases in order to get docks.
- (2) review information SCE&G is compiling on the break down of shoreline uses in Newberry and Saluda Counties.
- (3) Review and discuss all issues in the issues matrix re: land use.
- (4) Develop a time-line for completing all work.

Thanks

Steve Bell
730-8121

> From: "Alison Guth" <Alison.Guth@KleinschmidtUSA.com>
> Date: 2007/01/18 Thu PM 03:07:37 EST
> To: "Tim Vinson" <vinsont@dnr.sc.gov>,
> "Alan Stuart" <alan.stuart@kleinschmidtusa.com>,
> "Bill Argentieri" <bargentieri@scana.com>,
> "Dave Anderson" <dave.anderson@kleinschmidtusa.com>,
> "Dick Christie" <dchristie@infoave.net>,
> "Joy Downs" <elymay2@aol.com>,
> "Lee Barber" <lbarber@sc.rr.com>,
> "Steve Bell" <bellsteve9339@bellsouth.net>,
> "Van Hoffman" <vhoffman@scana.com>,
> "Alison Guth" <alison.guth@kleinschmidtusa.com>,
> "George Duke" <kayakduke@bellsouth.net>,
> "John Frick" <jsfrick@mindspring.com>,
> "Kim Westbury" <k.westbury@saludacounty.sc.gov>,
> "Randy Mahan" <rmahan@scana.com>,
> "Rhett Bickley" <rbickley@lex-co.com>,
> "Ronald Scott" <rscott@lex-co.com>,
> "Roy Parker" <royparker38@earthlink.net>,
> "Theresa Powers" <tpowers@newberrycounty.net>,
> "Tommy Boozer" <tboozer@scana.com>,
> "Tony Bebbber" <tbebbber@scprt.com>,
> "Amanda Hill" <amanda_hill@fws.gov>,
> "David Hancock" <dhancock@scana.com>,
> "Ron Ahle" <ahler@dnr.sc.gov>
> Subject: Lake and Land Management TWC Meeting
>

> When: Friday, January 26, 2007 9:30 AM-2:00 PM (GMT-05:00) Eastern
> Time (US & Canada).
> Where: Lake Murray Training Center
>
> *****
>
> Hello all,
>
> As those of you who attended yesterday's meeting already know, we have
> a Lake and Land Management TWC meeting scheduled for next Friday,
> January 26. At that time we will be discussing the scoring criteria
> developed by the Economics group, the proposed new land
> classifications briefly touched on by Tommy yesterday, and the uses of
> the fringeland. If you plan on attending, please RSVP to me by Monday
> for gate access and lunch. Thanks! Alison
>
>

Kacie Jensen

From: Alison Guth
Sent: Thursday, March 08, 2007 11:20 AM
To: 'Carl Sundius'; 'cstiwinter@orbisinc.com'; Van Hoffman; Alan Stuart; Alison Guth; Bill Argentieri; George Duke; John Frick; Kim Westbury; Randy Mahan; Rhett Bickley; Ronald Scott; Roy Parker; Theresa Powers; Tommy Boozer
Subject: Economics Scoring Sheet for Land Rebalancing

Hello all,

Attached is the scoring sheet that we have developed for the land rebalancing exercise with Orbis. We have scheduled the land rebalancing meetings for April 3 and 4th, so please place these dates on your calendars. We will take the entire two days, so it is important that you attend both. If you have any suggestions regarding the scoring sheet, just let me know. Thanks! Alison



Scoring Card for
Land Rebalanc...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Kacie Jensen

From: Alison Guth
Sent: Wednesday, March 07, 2007 11:36 AM
To: Alison Guth; 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Andy Miller'; 'Bertina Floyd'; 'Bill Argentieri'; 'Bill East'; 'Bill Marshall'; 'Bill Mathias'; 'btrump@scana.com'; 'Carl Sundius'; 'Charlie Compton'; 'Charlie Rentz'; 'Chris Page'; 'Daniel Tufford'; 'David Allen'; 'David Hancock'; 'Dee Dee Simmons'; 'Dick Christie'; 'Don Tyler'; 'George Duke'; 'Gerrit Jobsis (American Rivers)'; 'Hank McKellar'; 'Irvin Pitts (ipitts@scprt.com)'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Kim Westbury'; 'Kit Oswald'; 'Larry Turner (turnerle@dhec.sc.gov)'; 'Laura Boos (laura.mccary@gmail.com)'; 'Linda Lester'; 'Linda Schneider'; 'Mark Leao'; 'Mary Kelly'; 'Michael Murrell'; 'Mike Duffy'; 'Mike Summer (msummer@scana.com)'; 'Mike Waddell'; 'Parkin Hunter'; 'Patricia Wendling'; 'Patrick Moore'; 'Phil Hamby'; 'Ralph Crafton'; 'Randal Shealy'; 'Randy Mahan'; 'Regis Parsons (rparsons12@alltel.net)'; 'Rhett Bickley'; 'Richard Kidder'; 'Robert Keener (SKEENER@sc.rr.com)'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'ryanity@scana.com'; 'Sheri Armstrong'; 'Steve Bell'; 'Suzanne Rhodes'; 'Synthia Williams'; 'Theresa Powers'; 'Tom Brooks'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'; 'J. Ryan'; 'Alan Axson'; 'Bill Brebner'; 'Charlene Coleman'; 'Dave Anderson'; 'Guy Jones'; 'Jeff Duncan'; 'Jennifer Summerlin'; 'Jim Devereaux'; 'JoAnn Butler'; 'Karen Kustafik'; 'Keith Ganz-Sarto'; 'Kelly Maloney'; 'Lee Barber'; 'Malcolm Leaphart'; 'Marty Phillips'; 'Miriam Atria'; 'Norman Ferris'; 'Richard Mikell'; 'Stan Jones (sjones@imichotels.net)'; 'Tim Vinson'
Cc: Dave Anderson
Subject: RE: Draft Feb. 7th notes

Hello all,

Attached is the final set of meeting notes from the February 7th Lake & Land and Recreation Meeting. Thanks, Alison



2007-2-7 final
meeting notes -...

-----Original Message-----

From: Alison Guth
Sent: Tuesday, February 20, 2007 4:39 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Carl Sundius; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dee Dee Simmons; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Frick; Joy Downs; Kim Westbury; Kit Oswald; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester; Linda Schneider; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Sheri Armstrong; Steve Bell; Suzanne Rhodes; Synthia Williams; Theresa Powers; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbler; J. Ryan; Alan Axson; Bill Brebner; Charlene Coleman; Dave Anderson; Guy Jones; Jeff Duncan; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Miriam Atria; Norman Ferris; Richard Mikell; Stan Jones (sjones@imichotels.net); Tim Vinson
Cc: Dave Anderson
Subject: Draft Feb. 7th notes

Hello All

Attached are the draft meeting notes from the February 7th Lake and Land Management and Recreation RCG's meeting. Please have any corrections or additions to these notes back to me by March 6th for finalization. Thanks, Alison

<< File: 2007-2-7 draft Meeting Minutes -Lake and Land & Recreation.doc >>

Alison Guth

Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT and RECREATION RCGs MEETING**

**SCE&G Lake Murray Training Center
February 7, 2007**

Final acg 3-7-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Tony Bebbler, SCPRT
Lee Barber, LMA	Joy Downs, LMA
Stan Jones, CALM	John Altenberg, Sea Tow, CALM
Tammy Wright, CALM	Archie Trawick Jr., CALM, Jakes Landing
Bill Brebner, Yacht Cove Owners	George Duke, LMHOC
John Frick, landowner	Bill Shipley, CALM
Joe Agnew, CALM	Charlie Higgins, CALM, Holland's Marina
Jon Dukes, Lake Murray Boat Club, CALM	Edie Beaver, CALM, Lake Murray Vacation
Angie Walston, CALM, Lake Murray Vac.	Randy Walston, Acapulco, Lake Murray Vacation.
Donnie LeJohn, Spinners Marina	Suzanne Rhodes, SC Wildlife Fed.
Steve Bell, Lake Murray Watch	George King, landowner
Dave Anderson, Kleinschmidt Associates	Tommy Boozer, SCE&G
David Hancock, SCE&G	Kim Westbury, Saluda County
Teresa Powers, Newberry County	Jenn O'Rourke, SC Wildlife Federation
Carl Sundias, CALM, South Shore Marina	Bill Mathias – LMPS

HOMEWORK:

- Dave Anderson– To issue recreation assessment to Recreation Management TWC
- Dave Anderson- Provide examples of recreation plans from other projects to the RCG.

DATE OF NEXT MEETING:

TBA

Review of Recreation Assessment in Quarterly Public Meeting on April 19th at 10:00 am and 7:00 pm

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Presentation by the Commerce Association of Lake Murray:

Dave Anderson of Kleinschmidt Associates opened the meeting and the group began with introductions. Dave noted that the first item on the agenda included a presentation from the Commerce Association of Lake Murray (CALM) (link to presentation at http://www.saludahydrolicense.com/documents/SCEGpresentation4_000.ppt). Carl Sundias of South Shore Marina, and a member of CALM, began the presentation. He proceeded to describe the membership of the organization and noted that it not only consisted of marina operators, but other local businesses affected by the lake. Carl explained that the group had collectively developed a mission statement and he proceeded to review the mission statement with the group. After Carl had reviewed the mission of the CALM, Stan Jones of Lighthouse Marina reviewed some of the goals of the group. Stan explained that they were working with the Grow Boating Initiative which would provide boating infrastructure grants. He also reviewed how marinas help to improve the economy and meet the needs of the community. In conclusion, the CALM made a formal request of the Recreation RCG that the moratorium on multi slip dock permits be amended to allow permit applications at existing commercial marinas.

After the presentation, the floor was opened for questions. Dave asked about the Grow Boating Initiative and if it was related to the national "Take Me Fishing" campaign. Carl and Stan indicated that they do not believe that the two are related and they explained that much of the funding for this initiative comes from portions of boat sales. Lee Barber asked how the work of the CALM aligned with the work of other agen

Lake and Land Management Group Update:

The group reconvened after a short break and Alan provided the group with an update on Lake and Land Management. Alan explained that the TWC had been meeting quite frequently and building on the existing Shoreline Management Plan section by section. Alan noted that the draft SMP would progress from the TWC to the RCG to SCE&G management for approval. From that point, Alan explained, the SMP would go out for public comment. Alan asked the CALM to submit any comments that they had so far on the SMP documents as soon as they could. The CALM noted that they could have any comments on the draft documents submitted to the Alison Guth by the end of March. Alan noted that the TWC has thus far attempted to introduce the needs of the commercial mar

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT and RECREATION RCGs MEETING**

**SCE&G Lake Murray Training Center
February 7, 2007**

Final acg 3-7-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Tony Bebbber, SCPRT
Lee Barber, LMA	Joy Downs, LMA
Stan Jones, CALM	John Altenberg, Sea Tow, CALM
Tammy Wright, CALM	Archie Trawick Jr., CALM, Jakes Landing
Bill Brebner, Yacht Cove Owners	George Duke, LMHOC
John Frick, landowner	Bill Shipley, CALM
Joe Agnew, CALM	Charlie Higgins, CALM, Holland's Marina
Jon Dukes, Lake Murray Boat Club, CALM	Edie Beaver, CALM, Lake Murray Vacation
Angie Walston, CALM, Lake Murray Vac.	Randy Walston, Acapulco, Lake Murray Vacation.
Donnie LeJohn, Spinners Marina	Suzanne Rhodes, SC Wildlife Fed.
Steve Bell, Lake Murray Watch	George King, landowner
Dave Anderson, Kleinschmidt Associates	Tommy Boozer, SCE&G
David Hancock, SCE&G	Kim Westbury, Saluda County
Teresa Powers, Newberry County	Jenn O'Rourke, SC Wildlife Federation
Carl Sundias, CALM, South Shore Marina	Bill Mathias – LMPS

HOMEWORK:

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- Dave Anderson- Provide examples of recreation plans from other projects to the RCG.

DATE OF NEXT MEETING:

TBA

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MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

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Dave Anderson of Kleinschmidt Associates opened the meeting and the group began with introductions. Dave noted that the first item on the agenda included a presentation from the Commerce Association of Lake Murray (CALM) (link to presentation at http://www.saludahydrolicense.com/documents/SCEGpresentation4_000.ppt). Carl Sundias of South Shore Marina, and a member of CALM, began the presentation. He proceeded to describe the membership of the organization and noted that it not only consisted of marina operators, but other local businesses affected by the lake. Carl explained that the group had collectively developed a mission statement and he proceeded to review the mission statement with the group. After Carl had reviewed the mission of the CALM, Stan Jones of Lighthouse Marina reviewed some of the goals of the group. Stan explained that they were working with the Grow Boating Initiative which would provide boating infrastructure grants. He also reviewed how marinas help to improve the economy and meet the needs of the community. In conclusion, the CALM made a formal request of the Recreation RCG that the moratorium on multi slip dock permits be amended to allow permit applications at existing commercial marinas.

After the presentation, the floor was opened for questions. Dave asked about the Grow Boating Initiative and if it was related to the national "Take Me Fishing" campaign. Carl and Stan indicated that they do not believe that the two are related and they explained that much of the funding for this initiative comes from portions of boat sales. Lee Barber asked how the work of the CALM aligned with the work of other agencies. Stan explained that they were willing to work with other groups to provide boats or facilities for smart boating courses and such.

The group had a brief discussion on boating safety and David Hancock of SCE&G asked if any of the marina operators have licensed captains that offer basic training on boat operation. A few of the marina operators indicated that they were licensed captains or knew of licensed captains that could assist their patrons. Many of the marina operators noted that they helped individuals who appeared to be having trouble or were inexperienced. Tommy Boozer noted that this may be an important item to note in the Safety RCG.

Tommy asked Stan for a little background on the requirements by DHEC in order to receive the clean marina certification. Stan noted that DHEC has just begun to fully develop the criteria; however, he anticipates that Lighthouse Marina will receive its certification this month. He explained that once a marina is certified, DHEC will do testing to make sure that water quality is maintained. Stan further noted that the Commerce Association has also received grants for new pump out facilities, many of which will be pump out boats.

Dave noted that a concern of the Recreation RCG was regarding recreational access to the reservoir and asked the Commerce Association for their opinion regarding current public access to the lake. Carl noted that the marinas have a difficult time competing with the free ramps, which has, in turn, started to put some of the smaller marinas out of business. Carl noted that they do feel the public needs more access, however once more free public access is put in place, the commercial marinas struggle to compete. Dave noted that the RCG's and TWC's do consider the impacts to commercial operators in their discussions. Tommy pointed out that FERC requires SCE&G to fulfill certain needs regarding recreational access, to which SCE&G must comply in order to protect their license. However, Tommy further noted that any access SCE&G provides is basic and does not include the amenities that the marinas provide, such as fuel or food.

The group briefly discussed the CALM's request for an amendment to the moratorium on multi-slip dock permits. Carl noted that the existing commercial marinas would like to perform upgrades and safety improvements that would require the lifting of the moratorium for existing facilities. Tommy noted that this was something that they would consider.

Lake and Land Management Group Update:

The group reconvened after a short break and Alan provided the group with an update on Lake and Land Management. Alan explained that the TWC had been meeting quite frequently and building on the existing Shoreline Management Plan section by section. Alan noted that the draft SMP would progress from the TWC to the RCG to SCE&G management for approval. From that point, Alan explained, the SMP would go out for public comment. Alan asked the CALM to submit any comments that they had so far on the SMP documents as soon as they could. The CALM noted that they could have any comments on the draft documents submitted to the Alison Guth by the end of March. Alan noted that the TWC has thus far attempted to introduce the needs of the commercial marinas; however, it will be very helpful if the commercial marinas can provide the group with specific needs.

Alan continued to explain what the Lake and Land Management group has been discussing. Dave noted that one item that overlapped both Recreation and Lake and Land groups was the issue of the designation of Two-Bird Cove and Hurricane Hole Cove as special recreation areas. This issue, however, was specifically being dealt with under the Lake and Land group.

Adaptive Management in FERC Licenses:

After lunch, Dave provided the group with a presentation on Adaptive Management in the context of FERC licenses. The presentation can be viewed at <http://www.saludahydrolicense.com/documents/2007-02-07AdaptiveManagement.ppt> . Dave noted that adaptive management is a relatively new principle in ecological fields, and the first example of adaptive management being used in a FERC license occurred around 10 years ago. As Dave proceeded through the presentation, he pointed out where the Recreation RCG stood within the adaptive management procedures (in the Planning Stage).

Update on Recreation RCG and TWC's:

There was group discussion on Recreation Plans, and Dave noted that he would send out an example of a recreation plan to the group. In regards to the drafting of a Recreation Plan for Lake Murray, Dave suggested that the Recreation Management TWC take the lead on this. The group agreed that that was acceptable. Dave explained that the Recreation Plan for Lake Murray would need to be drafted by the end of 2007 and finalized by early 2008. Dave explained that the results of the recreation assessment study would be needed for the drafting of the recreation plan. The results of the recreation assessment study would be presented at the April 19th Quarterly Public Meeting. Dave also mentioned that the Recreation RCG would convene in April to view the results of the boating density study and the recreation assessment. He explained that the Recreation Management TWC should anticipate bi-weekly conference calls/meetings during the next several months. Dave noted that the Downstream Flows TWC would probably meet sometime in the fall and the Lake Levels TWC would convene in the next couple weeks.

The group concluded discussions noting that the Lake and Land and Recreation group would be working close together during the land rebalancing process. The group adjourned.

Kacie Jensen

From: Alison Guth
Sent: Wednesday, March 07, 2007 11:36 AM
To: Alison Guth; 'Van Hoffman'; Alan Stuart; Alison Guth; 'Amanda Hill'; 'Andy Miller'; 'Bertina Floyd'; 'Bill Argentieri'; 'Bill East'; 'Bill Marshall'; 'Bill Mathias'; 'btrump@scana.com'; 'Carl Sundius'; 'Charlie Compton'; 'Charlie Rentz'; 'Chris Page'; 'Daniel Tufford'; 'David Allen'; 'David Hancock'; 'Dee Dee Simmons'; 'Dick Christie'; 'Don Tyler'; 'George Duke'; 'Gerrit Jobsis (American Rivers)'; 'Hank McKellar'; 'Irvin Pitts (ipitts@scprt.com)'; 'Jennifer O'Rourke'; 'John Frick'; 'Joy Downs'; 'Kim Westbury'; 'Kit Oswald'; 'Larry Turner (turnerle@dhec.sc.gov)'; 'Laura Boos (laura.mccary@gmail.com)'; 'Linda Lester'; 'Linda Schneider'; 'Mark Leao'; 'Mary Kelly'; 'Michael Murrell'; 'Mike Duffy'; 'Mike Summer (msummer@scana.com)'; 'Mike Waddell'; 'Parkin Hunter'; 'Patricia Wendling'; 'Patrick Moore'; 'Phil Hamby'; 'Ralph Crafton'; 'Randal Shealy'; 'Randy Mahan'; 'Regis Parsons (rparsons12@alltel.net)'; 'Rhett Bickley'; 'Richard Kidder'; 'Robert Keener (SKEENER@sc.rr.com)'; 'Ron Ahle'; 'Ronald Scott'; 'Roy Parker'; 'ryanity@scana.com'; 'Sheri Armstrong'; 'Steve Bell'; 'Suzanne Rhodes'; 'Synthia Williams'; 'Theresa Powers'; 'Tom Brooks'; 'Tom Ruple'; 'Tommy Boozer'; 'Tony Bebbler'; 'J. Ryan'; 'Alan Axson'; 'Bill Brebner'; 'Charlene Coleman'; 'Dave Anderson'; 'Guy Jones'; 'Jeff Duncan'; 'Jennifer Summerlin'; 'Jim Devereaux'; 'JoAnn Butler'; 'Karen Kustafik'; 'Keith Ganz-Sarto'; 'Kelly Maloney'; 'Lee Barber'; 'Malcolm Leaphart'; 'Marty Phillips'; 'Miriam Atria'; 'Norman Ferris'; 'Richard Mikell'; 'Stan Jones (sjones@imichotels.net)'; 'Tim Vinson'
Cc: Dave Anderson
Subject: RE: Draft Feb. 7th notes

Hello all,

Attached is the final set of meeting notes from the February 7th Lake & Land and Recreation Meeting. Thanks, Alison



2007-2-7 final
meeting notes -...

-----Original Message-----

From: Alison Guth
Sent: Tuesday, February 20, 2007 4:39 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Carl Sundius; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dee Dee Simmons; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Frick; Joy Downs; Kim Westbury; Kit Oswald; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester; Linda Schneider; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Sheri Armstrong; Steve Bell; Suzanne Rhodes; Synthia Williams; Theresa Powers; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbler; J. Ryan; Alan Axson; Bill Brebner; Charlene Coleman; Dave Anderson; Guy Jones; Jeff Duncan; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Miriam Atria; Norman Ferris; Richard Mikell; Stan Jones (sjones@imichotels.net); Tim Vinson
Cc: Dave Anderson
Subject: Draft Feb. 7th notes

Hello All

Attached are the draft meeting notes from the February 7th Lake and Land Management and Recreation RCG's meeting. Please have any corrections or additions to these notes back to me by March 6th for finalization. Thanks, Alison

<< File: 2007-2-7 draft Meeting Minutes -Lake and Land & Recreation.doc >>

Alison Guth

Licensing Coordinator
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Kacie Jensen

From: Alison Guth
Sent: Wednesday, February 21, 2007 10:31 AM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; Jennifer O'Rourke; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebbler; 'J. Ryan'; Andy Miller; Bertina Floyd; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; Dee Dee Simmons ; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; 'Ralph Crafton'; Randal Shealy; Regis Parsons (rparsons12@alltel.net); Richard Kidder; Robert Keener (SKEENER@sc.rr.com); ryanity@scana.com; Theresa Powers; Tom Brooks
Subject: 1-17 and 1-26 Final Lake and Land TWC Meeting Notes

Hello all,

Attached are the final sets of meeting notes for the Jan. 17th and Jan 26th Lake and Land TWC meetings. Thanks, Alison



2007-1-26 final
Meeting Minute...



2007-1-17 final
Meeting Minute...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
January 26, 2007**

Final acg 2-21-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Ron Ahle, SCDNR
Steve Bell, Lake Watch
Tony Bebber, SCPRT
John Frick, landowner
Roy Parker, LMA
Amanda Hill, USFWS
David Hancock, SCE&G
Dick Christie, SCDNR

Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates
Tommy Boozer, SCE&G
Carl Sundias, Southshore Marina
George Duke, LMHOC
Greg Carbone, USC
Theresa Powers, Newberry County
Van Hoffman, SCANA Services
Kim Westbury, Saluda County

HOMEWORK:

- Tommy Boozer – To coordinate with Orbis on meeting dates

**DATE OF NEXT MEETING: February 7, 2007 at 9:30 a.m. Joint Meeting With
Recreation Located at the Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Discussion on Proposed Fringeland Management Prescriptions:

Alan opened the group and noted that the first item for discussion was a review of the Land Management Prescriptions drafted by Tommy Boozer. Tommy began to discuss these proposed prescriptions with the group and noted that they were drafted in reference to future development property. Tommy explained that he included examples of what would be categorized under each prescription. There were five initial categories that future development lands were proposed to be classified under:

- Development Property
- Limited Development Areas

- Protected Areas (subsequently re-named Natural Areas after discussion)
- Recreation Areas
- Prohibited Access Areas/Project Operation

The group began by discussing Development Property. Tommy explained that under the current license, the FERC allows SCE&G to sell property with restrictions. Tommy further pointed out that these restrictions include the dock guidelines.

The group discussed the guidelines for Limited Development Areas. Tommy noted that the only problem with this classification was that there was no incentives with limited development multi-slip docks. He pointed out that one option was that they could require the property owner to make the setback an equal 100 ft all the way around. In regards to this, Bill Argentieri asked the group what would keep future property owners maintaining 100 ft setback natural. Tommy replied that the owner would have to deed the additional land (the land that makes up the 100 ft) to SCE&G. Tommy noted that in the past they have worked out ways to issue a dock permit when the setback is less than 75 ft. However, Tommy noted that in the future, the property owners would have to give up some of their land to make the setback continuous in order to receive a dock permit.

Tommy began to describe to the group that there were many small areas along the shoreline that are an acre or less. He explained that they would want to protect those located in the backs of coves, however he noted that he did not believe it made sense to preserve small parcels that are located between two parcels that have already been sold down to the 360'. The group agreed.

The group discussed Protected Areas and decided that it would be more appropriately named Natural Areas. The group discussed whether Forest and Game lands would be included under this category. Ron Ahle noted that he believed Forest and Game management lands would only be appropriate under the Natural Areas category if the lands were left in their natural state and not harvested. Subsequently, the group decided that Forest and Game Management lands be best placed under Recreation Areas.

The group talked about the possibility of having a process that they will use to evaluate where lands should be placed or categorized. Dick Christie noted that he believed the TWC would be a good forum in which to evaluate lands that do not fit well under the Forest and Game management category.

The group then moved on to discuss Recreation Areas. Tony Bebbler noted that Commercial Marinas, which was originally listed under Recreation, should be moved to developed areas. The group agreed

As an aside, David Hancock pointed out that the value to the individuals involved primarily came down to whether the property was eligible for a dock. He noted that the rebalancing process may be expedited if the group simply chose how many docks should be put on Future Development fringelands and where they should be placed. He explained that the other Future Development areas could be placed under a conservation easement. The group noted that this may be something that is worth considering.

There was a bit more discussion on the Land Classifications and the group expressed that they were satisfied with the document and the changes that were made.

Economics Scoring Criteria:

The Economics group took some time separate from the group to greater develop their scoring criteria. The economics group then presented their more thoroughly developed criteria, however, the natural resources group remained concerned that there were too few scoring factors (the economics group had 5 scoring factors). Ron suggested that some of the categories be broken down into several separate scoring items. He noted that having more categories would heighten the scoring sensitivity. The TWC adjourned and the Economics group met again prior to the TWC meeting in order to separate out some of the categories. Attached is the amended criteria that the economics group developed. The benefits categories was separated out into the economic interest of the local governments, SCE&G, and the back property owners. Location was also separated out into several categories. Ultimately, the group concluded the meeting with 10 separate items from which to score lands from the economic perspective.

Economics Group Scoring Criteria for Future Development Lands:

1. Economic Interest (Local Government) – Property Tax Revenue, Recreation, Economic Growth

5 High
3 Medium
1 Low

2. Economic Interest (SCE&G) – Land Sale (value), Recreation, Environmental (ESA)

5 High
3 Medium
1 Low

3. Economic Interest (Back Property Owners) – Lake Access, Dock Permit, Developmental Potential

5 High
3 Medium
1 Low

4. Proximity to Utilities (water/sewer/etc.)

5 Existing
3 Planned
1 Not suitable

5. Proximity to Road Access

5 Existing and adequate
3 Minor improvements needed
1 Major improvements needed

6. Proximity to Amenities (Fire Protection/school district/groceries/medical care etc.)

5 1-5 miles
3 6-10 miles
1 >10 miles

7. Direct water useability and topography for boating

- 5 year round (12 months)
- 3 6-12 months
- 1 <6 months

8. Market Value (Value Assessed per County)

- 5 High Range 100-75%
- 3 Medium Range 50-75 %
- 1 Low Range < 50%

9. Size/width

- 5 \geq 125 ft Depth
>1 acre
- 3 75-125 ft Depth
0.5 – 1 acre size
- 1 <75 ft depth
<0.5 acre

10. Dock Qualifications

- 5 Unrestricted
- 3 Limited (Deck, multi-use)
- 1 Does not qualify

STRAW MAN

SCE&G

FRINGELAND MANAGEMENT PRESCRIPTIONS

Development Property

Fringeland under the development category is generally available for purchase by the adjoining back property owner subject to the FERC License regulations.

Guidelines

Property identified for development will allow individual, shared, multi-slip docks and community access areas. Development areas will maintain a non-disturbance vegetated Buffer Zone 75 feet and/or 100 feet from the 360-foot contour elevation inland. A 10 foot wide meandering path will provide access to docking facilities. The Shoreline Management Plan dock restrictions and requirements will apply. Project property would only be sold down to the 100 foot Buffer Zone to qualified back property owners. [Note - SCE&G will consider exchange of land to make a continuous 100-foot non-disturbance vegetated Buffer Zone where fringeland is less than 75 and/or 100 feet wide.]

Limited Development Areas

Fringeland under the limited development category is generally available for purchase by the adjoining back property owner subject to the FERC License regulation with additional restrictions applied based on environmental impact, aesthetics, accessibility, shoreline density, and fish and wildlife habitat.

Guidelines

Property identified as limited development areas will allow individual, shared, multi-slip docks and community access areas but with additional restrictions.

- Individual dock would require a minimum of 200 feet along the Project Boundary Line to qualify for a dock permit.
- Shared dock would require a minimum of 150 feet per lot to qualify for a shared dock permit for a total of 300 feet for one shared dock. Maximum participation in a shared dock permit will be two (2) property owners.
-
- 75 and/or 100-foot Setbacks passive recreation
 - Multi-slip dock requires 100 feet of shoreline for a maximum of ten (10) slips per 1000 feet. (no incentives)
 - Multi-slip dock must be a minimum of 150 feet from adjoining property.
 - A minimum distance of 500 feet across a cove, measured 360 to 360.
 - One (1) 10 foot wide access path will be allowed through the Buffer Zone to access the multi-slip dock
 - Multi-slip dock must be a minimum of 50 feet from an Environmentally Sensitive Area.
 - No individual docks will be permitted within a multi-slip dock development.

- Community Access, Boat Ramps, and Courtesy Dock minimum of 300 feet on Project Boundary Line. Setback restriction as established for Community Access Areas by Land and Lake WTC will apply.

Natural Areas:

Fringeland under the protected category preserves the environmental, cultural, historical, fish and wildlife habitat and natural resource values of the Project.

- ESA Areas continuous and intermittent
- Forest Management Areas – leave here or place under Recreation Area??? [look into re-defining Forest Management criteria if we leave this classification here.]
- Conservation Areas
- Unique Habitat Areas (such as Bomb Island – Purple Martin significance)

Recreation Areas:

Designated Recreation Areas that provide the general public access to the waters of Lake Murray. SCE&G public access areas, existing and future, identified on FERC Recreation Plan for Lake Murray, Exhibit R. .

- Existing and Future Recreation Sites
- SCE&G owned Islands
- Impromptu Areas
- Forest Management Areas – move here or keep in Natural Area???
-

Prohibited Access Areas/Project Operation

Unavailable to the Public

- Powerhouse Intakes
- Dams
- Spillway
- Tailrace

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
January 17, 2007**

final acg 2-21-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Ron Ahle, SCDNR	Alan Stuart, Kleinschmidt Associates
Steve Bell, Lake Watch	Tommy Boozer, SCE&G
Tony Bebber, SCPRT	Carl Sundias, Southshore Marina
Randy Mahan, SCANA Services	John Frick, landowner
Joy Downs, LMA	Synthia Williams, Lexington County
Amanda Hill, USFWS	Wayne Beam, Beam & Associates
David Hancock, SCE&G	Van Hoffman, SCANA Services
Dick Christie, SCDNR	Kim Westbury, Saluda County
Regis Parsons, landowner	Linda Schneider, landowner
Ellis Harmon, landowner	Sherri Armstrong, Lexington County

HOMEWORK:

- Van Hoffman – Further develop definitions on scoring criteria for economics group
- Tommy Boozer – To coordinate with Orbis on meeting dates and to further develop proposed land classifications

DATE OF NEXT MEETING: **January 26, 2007 at 9:30 a.m.**
Located at the Lake Murray Training Center

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan opened the group and there were introductions of the new individuals. Bill Argentieri announced that SCE&G has just introduced the lower Saluda River page on the company's website. He gave a brief website demonstration to the group and illustrated that the website included many features and information related to Project operations. After the website demonstration, the TWC broke off into the two land rebalancing subcommittees (Natural Resource Values and Economic Values). During this period, the separate groups worked on finalizing their land rebalancing work plans.

After lunch, the groups then met together to discuss their respective workplans. The economics group began with a discussion by Kim Westbury from Saluda County. She described the economic value of lands surrounding Lake Murray to the county. She noted that she also had discussions with Capitol City Lake Murray Tourism, the county assessor, and the county auditor who noted that the land values are worth a substantial amount of money to the county. The tourism board alone was impacted by over 16 million dollars yearly. Kim also stressed that Saluda County was the only one of the four counties without an interstate, subsequently making Lake Murray a huge economic development tool for them.

Van Hoffman then discussed some monetary figures specific to Lake Murray and noted that a large percentage of the available future development fringelands will be reduced due to the expansion from a 75 ft setback to a 100 ft setback. Van also explained that the group has developed 5 values from which they will evaluate the land parcels during rebalancing. These items include:

- Benefits - can be described as benefits to the county, SCE&G, area economy, and property owners
- Location - includes proximity, amenities, infrastructure, view, water depth, and topography
- Fair Market Value - described as price per acre or per square ft
- Size/Width - described as the dimensions of the fringeland
- Dock Qualifications – policy based

Van explained that there was probably going to be the need for alternatives to be considered with regards to land rebalancing. He noted that these alternatives could include such items as trade-offs, or the setting aside of a percentage from the sale of fringelands to be applied toward non-development conservation easements along tributaries.

Van discussed how the land parcels will be scored according to the criteria. He noted that they will each receive a score of a 1, 3, or 5, 5 being excellent, 3 being moderate and 1 being poor. Several individuals noted that they would like to see the scoring method further defined with specific criteria behind the numbers. The economics group noted that they would work on this and present this information at an upcoming meeting.

The natural resource group then discussed the workplan that was developed for their evaluation of future development lands. There was brief discussion on the general process of evaluation. It was noted that some of the evaluation criteria was very qualitative and there may be disagreements for the scoring. It was further explained that if a significant disagreement occurs, the disagreement will be noted and placed in the parking lot and the decision of the majority will be chosen for the time being. Ron Ahle noted that the DNR has already met internally to mark areas of concern on maps of the Lake. Ron added that he would bring these maps to the evaluation.

Ron presented the natural resource values (attached to end of notes) to the group and noted at the current time the group feels that each criteria should have an equal weight. Ron further explained that some parcels may not rank high in the total score, but may have a specific feature that is very significant. He noted that these parcels would be flagged so that the group could know to still consider them.

Ron briefly described each of the values to the group beginning with Fish Spawning and Nursery Habitat. He noted that they will look at the amount of this type of habitat in front of the fringelands, and that it was commonly associated with the elevation 354' and higher. For Length of Shoreline Ron noted that typically the longer the shoreline, the higher the value to natural resources. Ron

explained for Mean Width of Fringeland they will consider the average width and they would also give consideration to the habitat from the 358' to the 360'.

Ron continued to go through the definitions and noted that they combined the originally separate Unique Habitat and Threatened and Endangered Species categories into one. He explained that this was a sensitive criteria that will help to separate the excellent sites from the good sites. He also noted that a factor entitled Terrestrial Habitat that considered land for wildlife species had been added and was measured by acreage.

The group also reviewed the scoring factors for each of the natural resource criteria. Ron explained that some of the criteria is based on quantitative measurements, and other things such as waterfowl hunting will be more of a qualitative measurements.

The group generally agreed with the Natural Resource Values workplan and began to discuss how scoring would take place. It was noted that each group would begin by evaluating the parcels on the north side of the lake and work their way around. The natural resource group will evaluate the lands first, and the economics group will use the same excel sheet and numbering as the natural resource group uses. It was explained that this method would allow for land parcel number consistency between the two groups. The natural resource group would also combine small lands where they felt necessary and indicate on the excel sheet what lands were combined for use by the economics group. Ron also noted that the excel sheet containing their scoring criteria would contain a column specifying which lands are not worthy for ranking.

The group concluded the discussions on land rebalancing and Tommy Boozer briefly informed the group on proposed new land classifications for consideration. He noted that these few classifications would simplify the many classifications that currently exist. These proposed new classifications include: Development, limited development, protected/sensitive area habitat, and recreation.

- Development – would include the dock policies
- Limited Development – may have large minimum shoreline length requirements for a dock
- Protected/Sensitive Habitat - would include areas such as ESA's
- Recreation - would include commercial and public recreation sites

The group agreed that they liked the ideas that Tommy presented and Tommy noted that he would work up a more complete set of definitions for discussion at the next meeting. Steve Bell noted that it would be important to point out that the protected areas would still be available for passive recreational activities.

There was some discussion on Two Bird Cove. Some individuals felt it important that the Lake and Land RCG collectively request that the FERC remove the Special Recreation Area classification from Two Bird Cove and Hurricane Hole Cove, but specify that this would not entail any restriction of current recreational uses. It was decided that an RCG meeting would be arranged in the next few months where all of the parties involved (SCE&G, land owners and yacht club) be invited to discuss this issue.

The next meeting date was scheduled for January 26th at the Lake Murray Training Center. At this meeting there would be discussion on the Economics Scoring Criteria, proposed new land use

definitions, and the uses of the fringeland. Tommy will coordinate with Clarence from Orbis in order to schedule dates for land rebalancing. The preferred dates for land rebalancing were February 26th and 27th.

Group Adjourned

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: ISF TWC
From: Ron Ahle
Date: 12-22-06
Subject: Criteria for evaluating natural resource significance for fringeland.

Resource Value Factors

Fish spawning and nursery habitat

This factor evaluates the amount of near shore lake bottom associated with fringeland that provides substrate and water depth needed for fish spawning and nursery habitat. The relative abundance of this type habitat will be used to evaluate this criterion.

- commonly associated with elev. 354' and higher

Length of shoreline

The logic for this criterion is the longer the shoreline the higher the natural resource value.

Mean width of fringeland

The logic for this criterion is the wider the fringeland the higher the natural resource value.

Waterfowl hunting opportunity

This factor evaluates the amount and quality of near shore waterfowl habitat and the shooting restrictions pertinent to each County. If little or no waterfowl hunting opportunities exist, a poor ranking is given. If only some opportunities exist because of marginal habitat or proximity to a residence, a moderate ranking is given. If most or all of the fringeland shoreline is available for hunting and suitable habitat exists, a best ranking is given.

Regional importance

This factor evaluates the fringeland resource value based on regional land uses. For example, a small tract surrounded by development would have a low rating while a small track connecting two conservation areas would have a high rating. Another example would be a medium size track in a largely developed area could have a high rating because of a lack of natural habitat in the region. A moderate ranking can occur when a medium sized tract occurs in an area that has some development and some forest management.

*the width is measured perpendicular to shore line
additional consideration will be given to the lands
below the 360'
358-360' calculated by dividing
area by length*

~~Aesthetics~~ → LAND USE

Aesthetics, from a natural resource perspective, is reflected in the amount of "natural habitat" present on a given fringeland tract. The scoring criterion for this factor is based on the more natural cover the better. Natural cover will generally consist of mixed pine/hardwood, hardwood, and bottomland hard forest.

Natural forest is best

Recreational values

This factor looks at fringeland from a public recreation perspective with an emphasis on low impact recreation such as hiking, birding, fishing and picnicking. Considerations in evaluating this factor include land-based accessibility; shore fishing opportunities, proximity to other recreational areas, trail linkage and length, and wildlife viewing potential. If a tract has little or no opportunity for recreation, the fringeland is considered restricted and receives a low ranking. If the tract is unrestricted from a recreational perspective, it receives a high ranking.

Adjacency

This factor looks at adjacent land use with the idea that building upon adjacent natural areas is more desirable and establishing natural areas adjacent to other lands uses is less desirable. For example, a fringeland tract that is surrounded by residential development on one side and commercial development on the other would be considered isolated and would receive a low ranking. A tract that is surrounded by forest and game management would receive a high ranking.

Environmentally sensitive areas including conservation areas

This factor evaluates the amount of environmentally sensitive areas and conservation areas associated with future development fringeland. The relative abundance of this type habitat will be used to evaluate this criterion.

Threatened and Endangered Species

This factor evaluates the amount of habitat for threatened and endangered species and recognizes known occurrences. If a fringeland tract has unsuitable habitat with no occurrences, the tract is considered to have low value for endangered species. If the tract has suitable habitat with known occurrences, it is given the highest ranking.

Unique habitats

Unique habitats have a fairly low occurrence along the shoreline of Lake Murray. Some unique habitats that may be encountered include Piedmont seepage wetlands, gum swamps, old growth hardwoods and beaver ponds. The relative abundance of these types

combined

of habitat will be used to evaluate this criterion. Because of the rarity, the relative abundance scoring criteria are lower than for the other habitat criteria listed above.

Scoring Criteria

Fish spawning & nursery habitat

- < 10% ----- poor (1)
- 10% to 30% ----- good (3)
- > 30% ----- best (5)

Length of shoreline

- < 300 feet ----- moderate (1)
- 300' to 1000' ----- good (3)
- >1000 feet ----- best (5)

Mean width of fringeland

- < 100 feet ----- moderate (1)
- 100' to 250' ----- good (3)
- >250 feet ----- best (5)

Waterfowl hunting opportunity

- Little or None ----- poor (1)
- Partial ----- moderate (3)
- Good ----- best (5)

Regional importance

- Low ----- (1)
- Moderate ----- (3)
- High ----- (5)

Aesthetics

- < 25% natural ----- moderate (1)
- 25% to 75% natural ----- good (3)
- 100% natural ----- best (5)

Recreational values

- Restricted ^{Limited} ----- moderate (1)
- Partially restricted ----- good (3)
- Unrestricted ----- best (5)

Adjacency

- Isolated ----- (1)
- Connected on one side ----- (3)
- Connected on both sides ----- (5)

Environmentally sensitive areas including conservation areas

- < 10% ----- poor (1)
- 10% to 30% ----- good (3)
- > 30% ----- best (5)

Threatened and Endangered Species

- Poor habitat w/ No records ----- low (1)
- Suitable habitat w/ no records ----- good (3)
- Suitable habitat w/ known occurrences -- best (5)

combined



Unique habitats

- < 5% ----- moderate (1)
- 5% to 20% ----- good (3)
- > 20% ----- best (5)

Terrestrial Resources
measured by
acreage

REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020

Kacie Jensen

From: Alison Guth
Sent: Tuesday, February 20, 2007 4:39 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Andy Miller; Bertina Floyd; Bill Argentieri; Bill East; Bill Marshall; Bill Mathias; btrump@scana.com; Carl Sundius; Charlie Compton; Charlie Rentz; Chris Page; Daniel Tufford; David Allen; David Hancock; Dee Dee Simmons ; Dick Christie; Don Tyler; George Duke; Gerrit Jobsis (American Rivers); Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jennifer O'Rourke; John Frick; Joy Downs; Kim Westbury; Kit Oswald ; Larry Turner (turnerle@dhec.sc.gov); Laura Boos (laura.mccary@gmail.com); Linda Lester ; Linda Schneider ; Mark Leao; Mary Kelly; Michael Murrell; Mike Duffy; Mike Summer (msummer@scana.com); Mike Waddell; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Ralph Crafton; Randal Shealy; Randy Mahan; Regis Parsons (rparsons12@alltel.net); Rhett Bickley; Richard Kidder; Robert Keener (SKEENER@sc.rr.com); Ron Ahle; Ronald Scott; Roy Parker; ryanity@scana.com; Sheri Armstrong ; Steve Bell; Suzanne Rhodes; Synithia Williams; Theresa Powers; Tom Brooks; Tom Ruple; Tommy Boozer; Tony Bebbler; 'J. Ryan'; Alan Axson; Bill Brebner ; Charlene Coleman; Dave Anderson; Guy Jones; Jeff Duncan; Jennifer Hand; Jim Devereaux; JoAnn Butler; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Miriam Atria; Norman Ferris; Richard Mikell; Stan Jones (sjones@imichotels.net); Tim Vinson
Cc: Dave Anderson
Subject: Draft Feb. 7th notes

Hello All

Attached are the draft meeting notes from the February 7th Lake and Land Management and Recreation RCG's meeting. Please have any corrections or additions to these notes back to me by March 6th for finalization. Thanks, Alison



2007-2-7 draft
Meeting Minute...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT and RECREATION RCGs MEETING**

**SCE&G Lake Murray Training Center
February 7, 2007**

Draft acg 2-20-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Alan Stuart, Kleinschmidt Associates	Tony Bebber, SCPRT
Lee Barber, LMA	Joy Downs, LMA
Stan Jones, CALM	John Altenberg, Sea Tow, CALM
Tammy Wright, CALM	Archie Trawick Jr., CALM, Jakes Landing
Bill Brebner, Yacht Cove Owners	George Duke, LMHOC
John Frick, landowner	Bill Shipley, CALM
Joe Agnew, CALM	Charlie Higgins, CALM, Holland's Marina
Jon Dukes, Lake Murray Boat Club, CALM	Edie Beaver, CALM, Lake Murray Vacation
Angie Walston, CALM, Lake Murray Vac.	Randy Walston, Acapulco, Lake Murray Vacation.
Donnie LeJohn, Spinners Marina	Suzanne Rhodes, SC Wildlife Fed.
Steve Bell, Lake Murray Watch	George King, landowner
Dave Anderson, Kleinschmidt Associates	Tommy Boozer, SCE&G
David Hancock, SCE&G	Kim Westbury, Saluda County
Teresa Powers, Newberry County	Jenn O'Rourke, SC Wildlife Federation
Carl Sundias, CALM, South Shore Marina	

HOMEWORK:

- Dave Anderson– To issue recreation assessment to Recreation Management TWC

DATE OF NEXT MEETING:

TBA

Review of Recreation Assessment in Quarterly Public Meeting on April 19th at 10:00 am and 7:00 pm

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Presentation by the Commerce Association of Lake Murray:

Dave Anderson of Kleinschmidt Associates opened the meeting and the group began with introductions. Dave noted that the first item on the agenda included a presentation from the

Commerce Association of Lake Murray (CALM) (link to presentation at http://www.saludahydrorelicense.com/documents/SCEGpresentation4_000.ppt). Carl Sundias of South Shore Marina, and a member of CALM, began the presentation. He proceeded to describe the membership of the organization and noted that it not only consisted of marina operators, but other local businesses affected by the lake. Carl explained that the group had collectively developed a mission statement and he proceeded to review the mission statement with the group. After Carl had reviewed the mission of the CALM, Stan Jones of Lighthouse Marina reviewed some of the goals of the group. Stan explained that they were working with the Grow Boating Initiative which would provide boating infrastructure grants. He also reviewed how marinas help to improve the economy and meet the needs of the community. In conclusion, the CALM made a formal request of the Recreation RCG that the moratorium on multi slip dock permits be amended to allow permit applications at existing commercial marinas.

After the presentation, the floor was opened for questions. Dave asked about the Grow Boating Initiative and if it was related to the national Go Fishing Initiative. Carl and Stan indicated that they do not believe that the two are related and they explained that much of the funding for this initiative comes from portions of boat sales. Lee Barber asked how the work of the CALM aligned with the work of other agencies. Stan explained that they were willing to work with other groups to provide boats or facilities for smart boating courses and such.

The group had a brief discussion on boating safety and David Hancock of SCE&G asked if any of the marina operators have licensed captains that offer basic training on boat operation. A few of the marina operators indicated that they were licensed captains or knew of licensed captains that could assist their patrons. Many of the marina operators noted that they helped individuals who appeared to be having trouble or were inexperienced. Tommy Boozer noted that this may be an important item to note in the Safety RCG.

Tommy asked Stan for a little background on the requirements by DHEC in order to receive the clean marina certification. Stan noted that DHEC has just begun to fully develop the criteria; however, he anticipates that Lighthouse Marina will receive its certification this month. He explained that once a marina is certified, DHEC will do testing to make sure that water quality is maintained. Stan further noted that the Commerce Association has also received grants for new pump out facilities, many of which will be pump out boats.

Dave noted that a concern of the Recreation RCG was regarding recreational access to the reservoir and asked the Commerce Association for their opinion regarding current public access to the lake. Carl noted that the marinas have a difficult time competing with the free ramps, which has, in turn, started to put some of the smaller marinas out of business. Carl noted that they do feel the public needs more access, however once more free public access is put in place, the commercial marinas struggle to compete. Dave noted that the RCG's and TWC's do consider the impacts to commercial operators in their discussions. Tommy pointed out that FERC requires SCE&G to fulfill certain needs regarding recreational access, to which SCE&G must comply in order to protect their license. However, Tommy further noted that any access SCE&G provides is basic and does not include the amenities that the marinas provide, such as fuel or food.

The group briefly discussed the CALM's request for an amendment to the moratorium on multi-slip dock permits. Carl noted that the existing commercial marinas would like to perform upgrades and safety improvements that would require the lifting of the moratorium for existing facilities. Tommy noted that this was something that they would consider.

Lake and Land Management Group Update:

The group reconvened after a short break and Alan provided the group with an update on Lake and Land Management. Alan explained that the TWC had been meeting quite frequently and building on the existing Shoreline Management Plan section by section. Alan noted that the draft SMP would progress from the TWC to the RCG to SCE&G management for approval. From that point, Alan explained, the SMP would go out for public comment. Alan asked the CALM to submit any comments that they had so far on the SMP documents as soon as they could. The CALM noted that they could have any comments on the draft documents submitted to the Alison Guth by the end of March. Alan noted that the TWC has thus far attempted to introduce the needs of the commercial marinas; however, it will be very helpful if the commercial marinas can provide the group with specific needs.

Alan continued to explain what the Lake and Land Management group has been discussing. Dave noted that one item that overlapped both Recreation and Lake and Land groups was the issue of the designation of Two-Bird Cove and Hurricane Hole Cove as special recreation areas. This issue, however, was specifically being dealt with under the Lake and Land group.

Adaptive Management in FERC Licenses:

After lunch, Dave provided the group with a presentation on Adaptive Management in the context of FERC licenses. The presentation can be viewed at <http://www.saludahydrorellicense.com/documents/2007-02-07AdaptiveManagement.ppt> . Dave noted that adaptive management is a relatively new principle in ecological fields, and the first example of adaptive management being used in a FERC license occurred around 10 years ago. As Dave proceeded through the presentation, he pointed out where the Recreation RCG stood within the adaptive management procedures (in the Planning Stage).

Update on Recreation RCG and TWC's:

There was group discussion on Recreation Plans, and Dave noted that he would send out an example of a recreation plan to the group. In regards to the drafting of a Recreation Plan for Lake Murray, Dave suggested that the Recreation Management TWC take the lead on this. The group agreed that that was acceptable. Dave explained that the Recreation Plan for Lake Murray would need to be drafted by the end of 2007 and finalized by early 2008. Dave explained that the results of the recreation assessment study would be needed for the drafting of the recreation plan. The results of the recreation assessment study would be presented at the April 19th Quarterly Public Meeting. Dave also mentioned that the Recreation RCG would convene in April to view the results of the boating density study and the recreation assessment. He explained that the Recreation Management TWC should anticipate bi-weekly conference calls/meetings during the next several months. Dave noted that the Downstream Flows TWC would probably meet sometime in the fall and the Lake Levels TWC would convene in the next couple weeks.

The group concluded discussions noting that the Lake and Land and Recreation group would be working close together during the land rebalancing process. The group adjourned.

From: Alan Stuart
Sent: Wed 2/14/2007 3:06 PM
To: LEAPHART,JR., MALCOLML
Cc: Dave Anderson
Subject: RE: Recreation Assessment Draft Report

Seems we are talking about the same thing..... patience. As far as future recreation sites, they will be up for discussion based on need and that is how and why the studies are cooperatively designed. Issues define the studies, studies do not define the issues (nor if done correctly cloud the issues). We understand TU's etal issue (future recreation) is you believe there should be more access for future recreational opportunities, correct ? However, what you fail to say is what type, facilities at each potential location, where, user group opinions, and yes need (need and want are two entirely different things). That is the intent of the study. TU has their wants and needs, so do canoeists, rafters, tubers etc. The intent is if investments in a new facility(ies) are needed having it meet more needs than just TU's or the local kayaking club (i.e. multi-purpose) should be the goal. This is not to say if a unique situation presents itself it won't be explored, because it will. Be patient and see the reports before passing judgment on us :-) By all means if you do not understand something please ask us we'll be happy to explain things so everyone can understand.

From: LEAPHART,JR., MALCOLML [mailto:MALCOLML@mailbox.sc.edu]
Sent: Wed 2/14/2007 2:38 PM
To: Alan Stuart
Cc: Dave Anderson
Subject: RE: Recreation Assessment Draft Report

Thanks for the 'recaps'. The goals are adequately documented as I noted previously, but note too the concerns that follow the statement you took out of the minutes from me. The goal for the stakeholders is to not let the issues get lost in the studies and the data generated - such as the issue of future recreation sites that was not even included in the initial survey...

But, we realize that your company's job is to conduct the process, and that the studies are necessary to provide a credible information base for recommendations. It's just difficult to stay patient throughout the process, especially with the time demands and the assumption that we all completely understand all the methods and techniques involved! But we are for the most part trying to hang in there in good faith to give it a chance to work, including eventually getting our specific issues dealt with as we first covered in the ICD comments. So, be patient with us and we will try to do that too; and, hopefully the citizens will be better served, the resources will be bettered, and the utility will be able to operate efficiently and profitably too in the final plan because of the efforts by all.

From: Alan Stuart [mailto:Alan.Stuart@KleinschmidtUSA.com]
Sent: Wed 2/14/2007 12:01 PM
To: LEAPHART,JR., MALCOLML; Dave Anderson; Van Hoffman; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Joy Downs; Kelly Maloney; Lee Barber; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebber
Cc: BARGENTIERI@scana.com; mwaddell@esri.sc.edu; marshallb@dnr.sc.gov; ahler@dnr.sc.gov
Subject: RE: Recreation Assessment Draft Report

Hi Malcolm,

Here are a couple of the meeting minutes where we discussed the Downstream Flows Study Plan (which included the rate of change study). You attended one and it appears Mike Waddell attended one. If you look at the end of the notes (September 20, 2006) you provided a comment that states: "The draft, including the comments and replies, has evolved to an accurate document of the scope and intentions of the Downstream Flow

Study as discussed at the past meetings".

Lot's going on and hard to keep things straight...Study is proceeding very well and ahead of schedule. All good news...Alan

<http://www.saludahydrorelicense.com/documents/2006-09-20DFTWCMeetingNotesFINAL.pdf>

<http://www.saludahydrorelicense.com/documents/2006-04-18DFTWCMeetingNotesFINAL.pdf>

From: LEAPHART,JR., MALCOLML [mailto:MALCOLML@mailbox.sc.edu]

Sent: Wed 2/14/2007 10:15 AM

To: Dave Anderson; Van Hoffman; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Joy Downs; Kelly Maloney; Lee Barber; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbler

Cc: Alan Stuart; BARGENTIERI@scana.com; mwaddell@esri.sc.edu; marshallb@dnr.sc.gov; ahler@dnr.sc.gov

Subject: RE: Recreation Assessment Draft Report

STUDY REPORT:

Why not just post on the relicensing website with the other study reports for the Recreation RCG - and send out a note of the posting with the link? However, iff there is a reason to send it via email, then I have a new personal email system at USC that is supposed to be more robust; so, let's give it a chance to be so. Send me the pdf please as I never could get the 'track changes' feature to work well, especially the 'cluttered' printouts they produce.

RECREATIONAL FLOWS:

What rec flow studies are underway that are referenced on the new SCE&G Flows website? Cannot find where those are documented on the relicensing website, or in past emails for either the Downstream Flow TWC or the Rec Management TWC that I am both a participant of. Would you please send out to all appropriate a web page link or a document that explains what is being done on each of the dates where flows are being released for study purposes?

Thanks.

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]

Sent: Tue 2/13/2007 4:22 PM

To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Joy Downs; Kelly Maloney; Lee Barber; LEAPHART,JR., MALCOLML; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbler

Cc: Alan Stuart; Bill Argentieri

Subject: Recreation Assessment Draft Report

Members of the Recreation Management TWC:

I am pleased to tell you that the draft of the Recreation Assessment Study Report is ready for your review. However, due to the large file size (10.6 mb), I have not attached it to this e-mail. If your e-mail is capable of handling this large of a file, please respond and I will send it under separate cover. The entire report (with appendices) is a PDF file.

I also have available a Microsoft Word version of the main body of the report that you can use if you wish to submit comments via the "track changes" tool. If you wish to submit your comments some other way (FAX, e-mail, etc.), please include the page number at the bottom of the report with your comment/edit so we may locate it in the original document. The Word version (without appendices) is 3.2 mb.

If you can't receive such a large file(s), please let me know as soon as possible and I can send you either a CD with the files, or we can post it to an FTP site where you can download them at your leisure.

Due dates for comments will be March 2 (two and a half weeks). However, I would like to have a conference call by next Friday, Feb. 23, to make a decision on whether additional sampling in the spring will be necessary. Please let me know by the end of the day tomorrow what date and time work best for you toward the end of next week (either Wednesday, Thursday, and Friday).

After March 2, I will schedule another meeting to go over the comments and any edits made to the report with the intention of finalizing the report by the end of March.

Let me know if you have any questions.

Dave

Kacie Jensen

Subject: Lake and Land Management Natural Resources Subcommittee
Location: Lake Murray Training Center

Start: Mon 2/26/2007 12:00 AM
End: Wed 2/28/2007 12:00 AM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake and Land - Natural Resource Values Sub Committee

Hello All,

Tommy has coordinated with Orbis and they will be coming in on Monday and Tuesday, the 26th and 27th of February. It is important that you attend both days of the rebalancing exercise. We will begin promptly at **9:00** (a little earlier than usual), so please try to be on time. Please let me know by next Tuesday if you plan on attending so that I may put you on the list for lunch. Thanks so much! Alison

Kacie Jensen

From: bellsteve9339@bellsouth.net
Sent: Thursday, February 01, 2007 7:04 PM
To: Alison Guth
Subject: Agenda request

Alison- You indicated today that the schedule for the LLM TWC was getting full and that any request to get on the agenda should be made ASAP. Please put Lake Watch on the agenda for a presentation and discussion on "Protecting Shoreline through cooperative efforts with back property owners". One hour should do it. I will ask John Frick if he would present his "concept" at that time. I assume this would take place after the lands are assessed and before any negotiations. I have spoken with other NGO's and there is strong support to have this information available to the LLM RCG.

Could you provide the tentative work schedule for the upcoming month's thru September. Also it would be helpful if everyone was aware that "agenda time" is very limited. It is very important that the TWC member consider and review all available information before re-balancing begins.

Steve Bell
Lake Murray Watch
730-8121

>
> From: "Alison Guth" <Alison.Guth@KleinschmidtUSA.com>
> Date: 2007/01/29 Mon PM 03:12:57 EST
> To: "Van Hoffman" <vhoffman@scana.com>,
> "Alan Stuart" <alan.stuart@kleinschmidtusa.com>,
> "Alison Guth" <alison.guth@kleinschmidtusa.com>,
> "Amanda Hill" <amanda_hill@fws.gov>,
> "Bill Argentieri" <bargentieri@scana.com>,
> "Carl Sundius" <csundius@sc.rr.com>,
> "David Hancock" <dhancock@scana.com>,
> "Dick Christie" <dchristie@infoave.net>,
> "John Frick" <jsfrick@mindspring.com>,
> "Joy Downs" <elymay2@aol.com>,
> "Randy Mahan" <rmahan@scana.com>,
> "Rhett Bickley" <rbickley@lex-co.com>,
> "Ron Ahle" <ahler@dnr.sc.gov>,
> "Ronald Scott" <rscott@lex-co.com>,
> "Roy Parker" <royparker38@earthlink.net>,
> "Sheri Armstrong" <sarmstrong@lex-co.com>,
> "Steve Bell" <bellsteve9339@bellsouth.net>,
> "Synithia Williams" <swilliams@lex-co.com>,
> "Tom Ruple" <truple@sc.rr.com>,
> "Tommy Boozer" <tboozer@scana.com>,
> "Tony Bebbber" <tbebbber@scprt.com>,
> "J. Ryan" <JRyan@centralmidlands.org>,
> "George Duke" <kayakduke@bellsouth.net>,
> "Kim Westbury" <k.westbury@saludacounty.sc.gov>,
> "Theresa Powers" <tpowers@newberrycounty.net>
> Subject: Lake and Land Subcommittee Notes
>
> Hello all,
>
> Attached are the final sets of meeting notes for the Economics and the
> Natural Resources Subcommittee meetings last month. During their
> draft stage I only received one set of comments (from Bill
> Argentieri), however it was around Christmas when these draft notes
> were issued. Please let me know ASAP if you have any more comments, as
> I am posting them to the website. Thanks, Alison
>

> <<2006-12-20 Final Meeting Minutes -Lake and Land TWC - Natu..pdf>>
> <<2006-12-12 final Meeting Minutes -Lake and Land TWC - Econ..pdf>>
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Kacie Jensen

From: Alison Guth
Sent: Monday, January 29, 2007 3:13 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebber; 'J. Ryan'; George Duke; Kim Westbury; Theresa Powers
Subject: Lake and Land Subcommittee Notes

Hello all,

Attached are the final sets of meeting notes for the Economics and the Natural Resources Subcommittee meetings last month. During their draft stage I only received one set of comments (from Bill Argentieri), however it was around Christmas when these draft notes were issued. Please let me know ASAP if you have any more comments, as I am posting them to the website. Thanks, Alison



2006-12-20 Final
Meeting Minut...



2006-12-12 final
Meeting Minut...

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MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC
Natural Resource Values Sub-Committee**

**SCE&G Lake Murray Training Center
December 20, 2006**

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ATTENDEES:

Alison Guth, Kleinschmidt Associates
Ron Ahle, SCDNR
Steve Bell, Lake Watch
Tony Bebbler, SCPRT
Jennifer O'Rourke, SCWF
Joy Downs, LMA
Amanda Hill, USFWS
David Hancock, SCE&G
Dick Christie, SCDNR

HOMEWORK:

- David H. – Discuss the acquisition of land parcel information with Orbis (length of shoreline, area, mean width, tract number) and the possibility of combining small, adjacent tracts of land
- Ron A. - incorporate the changes into the workplan document that the group discussed and send it out to the group members by email
- Alison G. – acquire RT&E data from Shane Boring

DATE OF NEXT MEETING: **January 17, 2006 at 9:30 a.m.**
Located at Lake Murray Training Center

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and Review of Resource Value Factors:

The meeting opened and Ron Ahle distributed the draft criteria that he developed on land rebalancing scoring according to the natural resources perspective. Ron noted that at the last meeting he was informed that his task of putting together the strawman included a list of natural resource values and their definitions. It was noted that an important item of the morning's agenda

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would be to review the natural resource value definitions and discuss whether there needed to be any additional text added.

It was noted that during the afternoon session the group would review the scoring method. Ron noted that when developing this method he took into account that making an assessment by map review may require a qualitative analysis.

The group began by reviewing the natural resource definitions. Ron explained that there was no particular order or weight to which these items were listed. This being noted, the group opened discussions by reviewing each item.

The first item discussed was fish spawning and nursery habitat. David Hancock noted that the topographic layers were available from the 354' contour and up. Ron noted that this would be beneficial because the fish spawning areas are commonly associated with the 354' and higher. It was noted that the water levels would typically be above 354' during the spring spawning season, and it may be just as important that the water is stable during that time period. Ron noted that when evaluating this criteria it would be important to keep in mind two items, substrate and water depth. The group developed additional wording for the definition that noted that fish spawning and nursery habitat was commonly associated with elevation 354' and higher. The group agreed that the maps would provide the data that was needed in order to make a qualitative assessment on fish habitat.

The group moved on to discuss the length of shoreline value. Ron explained that the longer the undisturbed shoreline then the higher the resource value. The group agreed to the definition.

Steve Bell asked the group if there should be a section specifically dealing with areas for wildlife. It was noted that wildlife was being accounted for indirectly through the other categories, such as the width of fringeland and the vegetative cover in the fringeland. After some discussion, the group decided that they would have a category entitled terrestrial wildlife and would be measured by acreage.

The group then discussed the value of the mean width of shoreline. David explained that Orbis would be able to calculate the length of shoreline and the mean width. The group discussed the wording of the definition and noted that consideration will be given to the lands below the 360'.

Ron briefly explained the definition of waterfowl hunting opportunities. He noted that this was based on the limitations of the area. Dick Christie noted that DNR is pursuing waterfowl hunting areas outside of the rebalancing process. It was noted that if there is a need to minimize the list, this may be a value that can be eliminated.

The group continued to review the natural resource values and discussed the definition of regional importance. Ron gave the example of Two Bird Cove to describe regional importance. Ron noted

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that Two Bird Cove was regionally important because it is in an area where there is very few areas still available with similar qualities.

Aesthetics was the next topic of discussion. Ron noted that aesthetics was judged on the degree to which the shoreline was naturally vegetated. This would include land cover such as pine, hardwood, bottomland hardwood forests, and natural rocky points.

The group then discussed recreational values and was generally agreeable to the concept with minor adjustments to the wording. Adjacency was also briefly discussed and Tony Bebbler pointed out that this would be important when considering areas next to parks. Ron also explained that scoring for the ESA value would be quantitative, the more the area of ESA's, the better the scoring.

There was some discussion on the value of threatened and endangered species. There was concern expressed that this may be a value that will bog the group down during the evaluation process. It was noted that threatened and endangered species are already being addressed in the relicensing process. Amanda Hill noted that if there is specific habitat for an endangered or threatened species on a parcel of land that the group may want to consider giving the parcel a higher score. The group noted that they would attempt to score land for threatened and endangered species as Ron has it outlined in the draft workplan. However, if the rebalancing process becomes excessively drawn out due to this category, the group would consider alternative means of scoring or elimination. Alison noted that Shane Boring had developed a list of endangered and threatened species that could possibly occur within the project area based on their habitat preferences. She explained that she would check on the status of this and distribute it to the group. David noted that the SCE&G forestry department has the documented locations of bald eagle nests, however, the information was considered critical and could not be given to the group. The group also discussed culturally significant areas. However, this information was also critical and was currently being addressed by the Cultural Resource Surveys.

The value of unique habitats was discussed and it was proposed that threatened and endangered species be combined with this category. The group agreed that this was an appropriate measure and the value definition and the scoring was modified to reflect this change.

The group further discussed the addition of a value entitled terrestrial habitat. This item would take into account both wildlife habitat and acreage, acreage being the scoring value:

- < 1 acre – mod (1)
- 1-5 acres – good (3)
- >5 acres - best (5)

After the group had completed the review of the natural resource values, the group discussed the scoring criteria for each of the values. Steve Bell noted that it would be important to make sure that

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ESA and cove areas would be high priorities for protection. Dick explained that even if a land parcel scores low, this does not mean that the area cannot be protected. He further clarified that this process of scoring shows the high priority areas that the group may work the hardest at to protect.

Discussion on Scoring Criteria:

The group viewed an excel sheet that Ron developed that illustrated how the scores would be entered and summed. The group noted that it would be helpful to have information on the tracks of land already entered into the spreadsheet. This information would include acreage, shoreline length, mean width, and tract number. David noted that he would discuss this with Orbis.

The group then discussed each of the scoring criteria individually, beginning with fish spawning habitat. Ron noted that for fish spawning and nursery habitat the scoring percentages are in reference to the length of shoreline. The group agreed and moved on to discuss the length of shoreline. Ron explained that it was difficult to determine the various lengths that the tracts will be scored by. However, the group felt that the lengths that Ron developed were appropriate and the group would further determine if any changes were necessary when they viewed the tracts of land.

The mean width of fringeland was the next scoring item discussed. Ron noted that these numbers were developed by taking into consideration all of the functions that the group will try to protect. The group noted that this also will be a category that they will make adjustments to during the scoring process, if need be.

There was only brief discussion on the scoring criteria for waterfowl hunting and regional importance and no changes were made. Aesthetics was the next topic of conversation. Aesthetics is scored based on the degree to which it is developed. Tony pointed out that even if a large tract of land has development on portion of it, it may still rank high because of its size. Ron noted that because aesthetics was based solely on the condition of the land at the time of scoring then this may be an value that the group could leave off. The group left the item as it was for the moment but would consider removing it in the future.

The group only briefly discussed recreational values and everyone was agreeable to the method of scoring that item. The group also discussed adjacency and altered the wording some. Tony noted that trail linkages may play a part in this scoring.

The group discussed the criteria for ESA's. Steve Bell asked if there were any ESA's that were not mapped. David responded that they have all been mapped. Ron noted that the percent of the tract of land covered with ESA's is what determines the score. The group agreed to the criteria.

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As discussed above, the group decided to combine threatened and endangered species with unique habitat and the separate section on threatened and endangered species was removed. The scoring of unique habitat was altered to include habitat for threatened and endangered species.

The last item under scoring that the group discussed was the new category entitled terrestrial wildlife. The group agreed that it should be scored by acreage.

Review of Homework Items:

The group concluded discussions on scoring and reviewed homework items. David noted that he would check into getting the length of shoreline, area, mean width and tract numbers for each parcel of land from Orbis prior to the next meeting. Dick suggested combining small, adjacent parcels of land and David noted that he would look into this. Ron noted that he would incorporate the changes into the workplan document and send it out to the group members by email.

Group Adjourned

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC
Economics Sub-Committee**

**SCE&G Bush River Rd Maintenance Area
December 12, 2006**

Final acg 1-29-07

ATTENDEES:

Alison Guth, Kleinschmidt Associates
Tommy Boozer, SCE&G
Roy Parker, LMA
John Frick, landowner
Van Hoffman, SCANA
Randy Mahan, SCANA
Rhett Bickley, Lexington County
Kim Westbury, Saluda County

HOMEWORK:

- Van, Tommy - Develop Economics Resource Group Strawman Workplan
- Kim – Research economic effects from the sale of land
- Tommy – Develop definitions for proposed new land classifications

DATE OF NEXT MEETING: **January 17, 2006 at 9:30 a.m.**
Located at Lake Murray Training Center

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Welcome and General Discussion on Rebalancing:

Van Hoffman, who was nominated the chair of the Economics Subcommittee at the last Lake and Land TWC, opened the meeting. Van provided the group with some of the background on proposed activities regarding fringelands. He explained that by increasing the 75 ft buffer to 100 ft, would reduce the fringeland to about 400 acres. It can subsequently be concluded that if the 100 ft setback were implemented than about 75 to 80 percent of the fringeland is protected. Van continued to give the group background on what SCE&G has looked at in the past with land donations and noted that there was an area on the eastern half of the lake that could possibly be placed under a conservation easement if need be in settlement agreements. Van pointed out that

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING LAKE AND LAND MANAGEMENT TWC Economics Sub-Committee

SCE&G Bush River Rd Maintenance Area December 12, 2006

Final acg 1-29-07

there were seven parcels in particular on the eastern half of the lake that were most valuable to the company. He explained that the total value of the future development lands was 65 million dollars.

The group observed the map that depicted the land classifications and Tommy described the mileage associated with each classification. Broken down into management prescriptions, Tommy explained that there were 98.23 miles associated with forest and game, 32.14 associated with public recreation, 5.81 associated with commercial recreation (sail clubs, marinas), and there was 102.7 miles in future development. He noted that they are in the process of identifying ESA's on these lands. Randy pointed out that many of the cove areas are already protected because ESA's are located in many of them. Tommy noted that since 1984 there has only been 26 miles of shoreline sold.

John Frick expressed concern that there would be discrepancy between the maps that DNR uses to evaluate forest and game management areas and the maps that SCE&G uses. It was explained that Orbis will come in with the most updated data for the groups to view and they would all be working off the same maps.

Van noted that from his view, one important item to keep in mind would be the idea of being able to perform land trades during rebalancing. John also suggested using a method that would employ no net loss. Tommy noted that it will be hard to encourage private property owners to participate in a management area without some sort of incentive.

Development of Evaluation Criteria:

It was noted that intent of the meeting would be to develop the evaluation criteria that the group would use to rate each of the land parcels. It was also noted that the group would use their time that day to come up with a method of scoring each parcel of land. The group discussed the list of evaluation criteria and the group agreed upon five items that will be used for scoring:

Scoring Criteria for Economic Values:

Economic Benefit to SCE&G, the County, Infrastructure, Etc.

- Location - proximity, amenities, infrastructure
- Market Value – price per acre/sq. ft
- Dimensions of Fringeland – Size, Width, Area per ft. of shoreline
- Dock Qualification as per policy – individual, shared, community
- Tax Base Potential

The group also noted that they would keep in mind the recreation potential when evaluating the land parcels, whether the recreation be public or commercial.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC
Economics Sub-Committee**

**SCE&G Bush River Rd Maintenance Area
December 12, 2006**

Final acg 1-29-07

Development of Scoring Method:

Alison noted that another goal of the day's meeting would be to develop a scoring method for the land parcels. After some discussion the group came to the conclusion that they would score the land parcels by assigning a score of 1-5 to each of the 5 criteria and adding the scores to receive an overall final score for each parcel.

Example:

Land Parcel # 12

Location – 5

Market Value – 5

Dimensions – 3

Dock Qualifications – 5

Tax Base Potential – 5

Total: - 23

Discussion on Land Classifications:

Van pointed out that in looking at the current land classifications it may be best to shift the classifications to future development, limited development, and natural habitat classifications, as other power companies have done. The group agreed that they liked these categories. Tommy further proposed having the following definitions at Lake Murray: future development, limited development, conservation classification, a natural habitat classification, and a recreation classification. Tommy explained that areas classified as conservation would be areas such as where ESA's are protected. A natural area may be where they would like to develop a viewshed, or an area between two ESA's. Tommy noted that natural areas could still have the opportunity to have a courtesy dock. The group decided that as a homework item they would think of other alternative names for the "natural area" classification. The group also noted they like the terms "protected access" and "limited conservation". Tommy was charged with developing definitions for each of the new proposed classifications.

Van noted that in addition to selection by criteria there needs to be a process that creates latitude for tradeoffs that utilize "tools in the box". An important key in trade-offs would be to attempt to keep a uniform buffer around the lake. Van noted that all rules need a "waiver process" subject to collaboration because it is impossible to write an absolute rule that always applies. He further noted that management and protection of the lake is a dynamic process that requires a degree of flexibility to take advantage of opportunities assuming no net loss. The group agreed that they approved of where the economic group was headed so far with the criteria and Van and Tommy noted that they would work on the strawman workplan for the next meeting.

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC
Economics Sub-Committee**

**SCE&G Bush River Rd Maintenance Area
December 12, 2006**

Final acg 1-29-07

Group Adjourned

Strawman workplan

[Economic Data Here]

In addition to selection by criteria there needs to be a process that creates latitude for tradeoffs that utilize “tools in the box”. All rules need a “waiver process” subject to collaboration because it is impossible to write an absolute rule that always applies. Management and protection of the lake is a dynamic process that requires a degree of flexibility to take advantage of opportunities assuming no net loss.

The final location of all recreation sites will supercede other decisions on land classification.

Scoring Criteria for Economic Values:

Economic Benefit to SCE&G, the County, Infrastructure, Etc.

- Location - proximity, amenities, infrastructure
- Market Value – price per acre/sq. ft
- Dimensions of Fringeland – Size, Width, Area per ft. of shoreline
- Dock Qualification as per policy – individual, shared, community
- Tax Base Potential

The group also noted that they would keep in mind the recreation potential when evaluating the land parcels, whether the recreation be public or commercial.

Land parcels will be scored by assigning a score of 1-5 to each of the 5 criteria based on the characteristics of that land parcel and adding the scores to receive an overall final score for the parcel.

Example:

Land Parcel # 12

Location – 5

Market Value – 5

Dimensions – 3

Dock Qualifications – 5

Tax Base Potential – 5

Total: - 23

[Possible discussions on proposed new land classifications]

Kacie Jensen

From: Alison Guth
Sent: Thursday, January 25, 2007 6:49 PM
To: Van Hoffman; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Carl Sundius; David Hancock; Dick Christie; John Frick; Joy Downs; Randy Mahan; Rhett Bickley; Ron Ahle; Ronald Scott; Roy Parker; Sheri Armstrong ; Steve Bell; Synithia Williams; Tom Ruple; Tommy Boozer; Tony Bebbler; 'J. Ryan'; George Duke; Kim Westbury; Theresa Powers
Subject: Draft Meeting Notes - Lake and Land Jan. 17

Hello All,

Attached are the draft Lake and Land TWC meeting notes from our January 17th meeting. Please have any comments back to me by February 9th. Thanks, Alison



2007-1-17 draft
Meeting Minute...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
LAKE AND LAND MANAGEMENT TWC**

**SCE&G Lake Murray Training Center
January 17, 2007**

Draft acg 1-25-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Bill Argentieri, SCE&G
Ron Ahle, SCDNR	Alan Stuart, Kleinschmidt Associates
Steve Bell, Lake Watch	Tommy Boozer, SCE&G
Tony Bebber, SCPRT	Carl Sundias, Southshore Marina
Randy Mahan, SCANA Services	John Frick, landowner
Joy Downs, LMA	Synthia Williams, Lexington County
Amanda Hill, USFWS	Wayne Beam, Beam & Associates
David Hancock, SCE&G	Van Hoffman, SCANA Services
Dick Christie, SCDNR	Kim Westbury, Saluda County
Regis Parsons, landowner	Linda Schneider, landowner
Ellis Harmon, landowner	Sherri Armstrong, Lexington County

HOMEWORK:

- Van Hoffman – Further develop definitions on scoring criteria for economics group
- Tommy Boozer – To coordinate with Orbis on meeting dates and to further develop proposed land classifications

DATE OF NEXT MEETING: **January 26, 2007 at 9:30 a.m.
Located at the Lake Murray Training Center**

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan opened the group and there were introductions of the new individuals. Bill Argentieri announced that SCE&G has just introduced the lower Saluda River page on the company's website. He gave a brief website demonstration to the group and illustrated that the website included many features and information related to Project operations. After the website demonstration, the TWC broke off into the two land rebalancing subcommittees (Natural Resource Values and Economic Values). During this period, the separate groups worked on finalizing their land rebalancing work plans.

After lunch, the groups then met together to discuss their respective workplans. The economics group began with a discussion by Kim Westbury from Saluda County. She described the economic value of lands surrounding Lake Murray to the county. She noted that she also had discussions with Capitol City Lake Murray Tourism, the county assessor, and the county auditor who noted that the land values are worth a substantial amount of money to the county. The tourism board alone was impacted by over 16 million dollars yearly. Kim also stressed that Saluda County was the only one of the four counties without an interstate, subsequently making Lake Murray a huge economic development tool for them.

Van Hoffman then discussed some monetary figures specific to Lake Murray and noted that a large percentage of the available future development fringelands will be reduced due to the expansion from a 75 ft setback to a 100 ft setback. Van also explained that the group has developed 5 values from which they will evaluate the land parcels during rebalancing. These items include:

- Benefits - can be described as benefits to the county, SCE&G, area economy, and property owners
- Location - includes proximity, amenities, infrastructure, view, water depth, and topography
- Fair Market Value - described as price per acre or per square ft
- Size/Width - described as the dimensions of the fringeland
- Dock Qualifications – policy based

Van explained that there was probably going to be the need for alternatives to be considered with regards to land rebalancing. He noted that these alternatives could include such items as trade-offs, or the setting aside of a percentage from the sale of fringelands to be applied toward non-development conservation easements along tributaries.

Van discussed how the land parcels will be scored according to the criteria. He noted that they will each receive a score of a 1, 3, or 5, 5 being excellent, 3 being moderate and 1 being poor. Several individuals noted that they would like to see the scoring method further defined with specific criteria behind the numbers. The economics group noted that they would work on this and present this information at an upcoming meeting.

The natural resource group then discussed the workplan that was developed for their evaluation of future development lands. There was brief discussion on the general process of evaluation. It was noted that some of the evaluation criteria was very qualitative and there may be disagreements for the scoring. It was further explained that if a significant disagreement occurs, the disagreement will be noted and placed in the parking lot and the decision of the majority will be chosen for the time being. Ron Ahle noted that the DNR has already met internally to mark areas of concern on maps of the Lake. Ron added that he would bring these maps to the evaluation.

Ron presented the natural resource values (attached to end of notes) to the group and noted at the current time the group feels that each criteria should have an equal weight. Ron further explained that some parcels may not rank high in the total score, but may have a specific feature that is very significant. He noted that these parcels would be flagged so that the group could know to still consider them.

Ron briefly described each of the values to the group beginning with Fish Spawning and Nursery Habitat. He noted that they will look at the amount of this type of habitat in front of the fringelands, and that it was commonly associated with the elevation 354' and higher. For Length of Shoreline

Ron noted that typically the longer the shoreline, the higher the value to natural resources. Ron explained for Mean Width of Fringeland they will consider the average width and they would also give consideration to the habitat from the 358' to the 360'.

Ron continued to go through the definitions and noted that they combined the originally separate Unique Habitat and Threatened and Endangered Species categories into one. He explained that this was a sensitive criteria that will help to separate the excellent sites from the good sites. He also noted that a factor entitled Terrestrial Habitat that considered land for wildlife species had been added and was measured by acreage.

The group also reviewed the scoring factors for each of the natural resource criteria. Ron explained that some of the criteria is based on quantitative measurements, and other things such as waterfowl hunting will be more of a qualitative measurements.

The group generally agreed with the Natural Resource Values workplan and began to discuss how scoring would take place. It was noted that each group would begin by evaluating the parcels on the north side of the lake and work their way around. The natural resource group will evaluate the lands first, and the economics group will use the same excel sheet and numbering as the natural resource group uses. It was explained that this method would allow for land parcel number consistency between the two groups. The natural resource group would also combine small lands where they felt necessary and indicate on the excel sheet what lands were combined for use by the economics group. Ron also noted that the excel sheet containing their scoring criteria would contain a column specifying which lands are not worthy for ranking.

The group concluded the discussions on land rebalancing and Tommy Boozer briefly informed the group on proposed new land classifications for consideration. He noted that these few classifications would simplify the many classifications that currently exist. These proposed new classifications include: Development, limited development, protected/sensitive area habitat, and recreation.

- Development – would include the dock policies
- Limited Development – may have large minimum shoreline length requirements for a dock
- Protected/Sensitive Habitat - would include areas such as ESA's
- Recreation - would include commercial and public recreation sites

The group agreed that they liked the ideas that Tommy presented and Tommy noted that he would work up a more complete set of definitions for discussion at the next meeting. Steve Bell noted that it would be important to point out that the protected areas would still be available for passive recreational activities.

There was some discussion on Two Bird Cove. Some individuals felt it important that the Lake and Land RCG collectively request that the FERC remove the Special Recreation Area classification from Two Bird Cove and Hurricane Hole Cove, but specify that this would not entail any restriction of current recreational uses. It was decided that an RCG meeting would be arranged in the next few months where all of the parties involved (SCE&G, land owners and yacht club) be invited to discuss this issue.

The next meeting date was scheduled for January 26th at the Lake Murray Training Center. At this meeting there would be discussion on the Economics Scoring Criteria, proposed new land use definitions, and the uses of the fringeland. Tommy will coordinate with Clarence from Orbis in order to schedule dates for land rebalancing. The preferred dates for land rebalancing were February 26th and 27th.

Group Adjourned

SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
Division of Wildlife and Freshwater Fisheries
Environmental Programs Office

MEMORANDUM

To: ISF TWC
From: Ron Ahle
Date: 12-22-06
Subject: Criteria for evaluating natural resource significance for fringeland.

Resource Value Factors

Fish spawning and nursery habitat

This factor evaluates the amount of near shore lake bottom associated with fringeland that provides substrate and water depth needed for fish spawning and nursery habitat. The relative abundance of this type habitat will be used to evaluate this criterion.

- commonly associated with elev. 354' and higher

Length of shoreline

The logic for this criterion is the longer the shoreline the higher the natural resource value.

Mean width of fringeland

The logic for this criterion is the wider the fringeland the higher the natural resource value.

the width is measured perpendicular to shoreline
additional consideration will be given to the levels below the 360'

Waterfowl hunting opportunity

This factor evaluates the amount and quality of near shore waterfowl habitat and the shooting restrictions pertinent to each County. If little or no waterfowl hunting opportunities exist, a poor ranking is given. If only some opportunities exist because of marginal habitat or proximity to a residence, a moderate ranking is given. If most or all of the fringeland shoreline is available for hunting and suitable habitat exists, a best ranking is given.

358-360' calculated by dividing area by length

Regional importance

This factor evaluates the fringeland resource value based on regional land uses. For example, a small tract surrounded by development would have a low rating while a small track connecting two conservation areas would have a high rating. Another example would be a medium size track in a largely developed area could have a high rating because of a lack of natural habitat in the region. A moderate ranking can occur when a medium sized tract occurs in an area that has some development and some forest management.

0.1003

~~Aesthetics~~ LAND USE

Aesthetics, from a natural resource perspective, is reflected in the amount of "natural habitat" present on a given fringeland tract. The scoring criterion for this factor is based on the more natural cover the better. Natural cover will generally consist of mixed pine/hardwood, hardwood and bottomland hard forest.

Natural forest is best

Recreational values

This factor looks at fringeland from a public recreation perspective with an emphasis on low impact recreation such as hiking, birding, fishing and picnicking. Considerations in evaluating this factor include land-based accessibility; shore fishing opportunities, proximity to other recreational areas, trail linkage and length, and wildlife viewing potential. If a tract has little or no opportunity for recreation, the fringeland is considered restricted and receives a low ranking. If the tract is unrestricted from a recreational perspective, it receives a high ranking.

Adjacency

This factor looks at adjacent land use with the idea that building upon adjacent natural areas is more desirable and establishing natural areas adjacent to other lands uses is less desirable. For example, a fringeland tract that is surrounded by residential development on one side and commercial development on the other would be considered isolated and would receive a low ranking. A tract that is surrounded by forest and game management would receive a high ranking.

Environmentally sensitive areas including conservation areas

This factor evaluates the amount of environmentally sensitive areas and conservation areas associated with future development fringeland. The relative abundance of this type habitat will be used to evaluate this criterion.

Threatened and Endangered Species

This factor evaluates the amount of habitat for threatened and endangered species and recognizes known occurrences. If a fringeland tract has unsuitable habitat with no occurrences, the tract is considered to have low value for endangered species. If the tract has suitable habitat with known occurrences, it is given the highest ranking.

Unique habitats

Unique habitats have a fairly low occurrence along the shoreline of Lake Murray. Some unique habitats that may be encountered include Piedmont seepage wetlands, gum swamps, old growth hardwoods and beaver ponds. The relative abundance of these types

combined

of habitat will be used to evaluate this criterion. Because of the rarity, the relative abundance scoring criteria are lower than for the other habitat criteria listed above.

Scoring Criteria

Fish spawning & nursery habitat

- < 10% ----- poor (1)
- 10% to 30% ----- good (3)
- > 30% ----- best (5)

Length of shoreline

- < 300 feet ----- moderate (1)
- 300' to 1000' ----- good (3)
- >1000 feet ----- best (5)

Mean width of fringeland

- < 100 feet ----- moderate (1)
- 100' to 250' ----- good (3)
- >250 feet ----- best (5)

Waterfowl hunting opportunity

- Little or None ----- poor (1)
- Partial ----- moderate (3)
- Good ----- best (5)

Regional importance

- Low ----- (1)
- Moderate ----- (3)
- High ----- (5)

Aesthetics

- < 25% natural ----- moderate (1)
- 25% to 75% natural ----- good (3)
- 100% natural ----- best (5)

Recreational values

- Limited*
Restricted ----- moderate (1)
- Partially restricted ----- good (3)
- Unrestricted ----- best (5)

Adjacency

- Isolated ----- (1)
- Connected on one side ----- (3)
- Connected on both sides ----- (5)

Environmentally sensitive areas including conservation areas

- < 10% ----- poor (1)
- 10% to 30% ----- good (3)
- > 30% ----- best (5)

Threatened and Endangered Species

- Poor habitat w/ No records ----- low (1)
- Suitable habitat w/ no records ----- good (3)
- Suitable habitat w/ known occurrences -- best (5)

combined



Unique habitats

- < 5% ----- moderate (1)
- 5% to 20% ----- good (3)
- > 20% ----- best (5)

Terrestrial Resources

measured by
acreage

REMBERT C. DENNIS BUILDING * P.O. BOX 167 * COLUMBIA, SC 29202
TELEPHONE: (803) 734-2728 * FACSIMILE: (803) 734-6020

Kacie Jensen

Subject: Updated: Lake and Land Management TWC Meeting
Location: Lake Murray Training Center

Start: Fri 1/26/2007 9:30 AM
End: Fri 1/26/2007 2:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake and Land - Economic Resource Values Subcommittee; Lake and Land - Natural Resource Values Sub Committee; Lake & Land Mgt TWC

Optional Attendees: 'tpowers@newberrycounty.net'

Hello all,

As those of you who attended yesterday's meeting already know, we have a Lake and Land Management TWC meeting scheduled for next Friday, January 26. At that time we will be discussing the scoring criteria developed by the Economics group, the proposed new land classifications briefly touched on by Tommy yesterday, and the uses of the fringeland. If you plan on attending, please RSVP to me by Monday for gate access and lunch. Thanks! Alison

Kacie Jensen

Subject: Lake and Land Management TWC Meeting
Location: Lake Murray Training Center

Start: Fri 1/26/2007 9:30 AM
End: Fri 1/26/2007 2:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake Levels TWC; Lake and Land - Economic Resource Values Subcommittee; Lake and Land - Natural Resource Values Sub Committee

Hello all,

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Kacie Jensen

Subject: Updated: Lake and Land Management TWC
Location: Lake Murray Training Center

Start: Wed 1/17/2007 9:30 AM
End: Wed 1/17/2007 4:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Alison Guth; Lake & Land Mgt TWC; Lake and Land - Economic Resource Values Subcommittee; Lake and Land - Natural Resource Values Sub Committee; 'sgustafson@sc.rr.com'; Alan Stuart; 'MAHAN, RANDOLPH R'; 'ARGENTIERI, WILLIAM R'; 'BOOZER, THOMAS C'; Tony Bebber; w.beam@worldnet.att.net; csundius@sc.rr.com

Agenda attached:



Lake and Land
anagement TWC A..

Hello Folks,

Just a reminder that we will be having a Lake and Land Management TWC Meeting next Wednesday, January 17th. I will be sending out an agenda Friday. If you plan on attending, please RSVP to me by Monday so that we will have enough lunches. Thanks, Alison

**Saluda Hydro Relicensing
Lake and Land Management TWC**

Meeting Agenda

January 17, 2007

9:30 AM

Lake Murray Training Center

- **9:30 to 9:35** Introduction and separation into sub-committees – *Natural Resource and Economics Subcommittees*
- **9:35 to 12:00** Independent discussions on draft rebalancing workplans by subcommittee - *Natural Resource and Economics Subcommittees*
- **12:00 to 12:30** Lunch - *Group*
- **12:30 to 2:00** Group discussion on draft economics rebalancing workplan – *Economics Subcommittee and Group*
- **2:00 to 2:10** Break
- **2:10 to 3:45** Group discussion on draft natural resources rebalancing workplan – *Natural Resources Subcommittee and Group*
- **3:45 to 4:00** Add Discussion Points to Issues Matrix, Develop List of Homework Assignments, Agenda and Date for Next Meeting

Adjourn



Kacie Jensen

Subject: Updated: Lake and Land Management TWC
Location: Lake Murray Training Center

Start: Wed 1/17/2007 9:30 AM
End: Wed 1/17/2007 3:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Required Attendees: Lake & Land Mgt TWC; Lake and Land - Economic Resource Values Subcommittee; Lake and Land - Natural Resource Values Sub Committee; sgustafson@sc.rr.com

Hello Folks,

Just a reminder that we will be having a Lake and Land Management TWC Meeting next Wednesday, January 17th. I will be sending out an agenda Friday. If you plan on attending, please RSVP to me by Monday so that we will have enough lunches. Thanks, Alison