

## **APPENDIX A**

### **STAKEHOLDER CONSULTATION AND CORRESPONDENCE PART 1**

**From:** [Alison Jakupca](#)  
**To:** [Kelly Miller](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Parr Lake Level Fluctuation Transect Selection  
**Date:** Monday, February 09, 2015 11:02:06 AM  
**Attachments:** [image001.png](#)

---

Please see the following note from Henry and respond to the Doodle Poll referred to therein at this link: <http://doodle.com/c9gfvdsvmsnnstth>

Fisheries TWC Member,

The Lake Level Fluctuation study plan identified several areas of Parr and Fairfield reservoirs that we will evaluate during the 2015 study. Please refer to the study plan for the areas of the reservoir that we plan to evaluate.

In preparation for data collections later this year, we are scheduling a trip to finalize our selection of transect areas for sampling. We are planning this trip for either March 25 or 27, 2015. We will communicate the exact field trip date either the week before or at least by Monday of that week based on weather conditions and the scheduled maintenance activities. During this period, SCE&G will have contractors working on the Parr Shoals Dam spillway gates, and the lake will be lowered to the lower end of its normal operating range (up to 9 feet). We plan to view the sampling areas from jon boats and have identified several at this time – but space may become limited based upon the number of TWC members attending. We will be taking pictures of the areas during the selection process, and will have those available for TWC review at subsequent meetings and in the study report.

The survey will likely last most of the work day, and we plan to launch at 8:30 from Cannon's Creek Landing. If you choose to attend, please pack a lunch and bring some rain gear or warm clothes in case we have inclement weather. Please let us know if you can attend on one or both of these dates via the attached Doodle Poll link (link above). You can also let us know if you have a jon boat that you can or would like to bring for the trip.

Thanks for your continued participation in the Parr Relicense.

Henry

**Henry Mealing**

**Fisheries Biologist / Project Manager**

***Kleinschmidt***

**204 Caughman Farm Lane**

**Suite 301**

**Lexington, SC 29072**

**706-339-3209**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



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**Subject:** Parr Lake Level Fluctuation Transect Selection  
**Date:** Wednesday, February 25, 2015 11:20:38 AM  
**Attachments:** [image001.png](#)

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Good Morning All,

Thank you to those of you who responded to the Doodle Poll for the Parr Lake Level Fluctuation Transect Selection. We are currently planning the Parr transect selection reconnaissance for Wednesday, March 25th. We will be leaving from Cannon's Creek boat landing at **8:00 a.m. Due to limited boat space, it is important that you confirm that you will be attending.** The following people responded to the doodle poll and I am assuming that they will be in attendance (if you are on the list below, and will *not* be able to make it, please let me know):

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Greg Mixon

Bill Argentieri

Dick Christie

Gerrit Jobsis

Bill Marshall

Byron Hamstead

Ron Ahle

Shane Boring

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Thanks and let us know if you have any questions. Alison

---

**From:** Alison Jakupca

**Sent:** Monday, February 09, 2015 11:02 AM

**To:** [Kelly Miller](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)

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Henry

**Henry Mealing**

**Fisheries Biologist / Project Manager**

***Kleinschmidt***

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**Subject:** Doodle Poll - WQ TWC meeting  
**Date:** Monday, March 02, 2015 12:31:34 PM  
**Attachments:** [2015-01-26 Parr WQ Memo.docx](#)

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Good morning,

Last summer, SCE&G and Kleinschmidt collected water quality data immediately downstream of the Parr Hydro powerhouse and in the Parr forebay, as discussed at the June 25, 2014 WQ TWC meeting. Additionally, SCE&G explored the potential for aeration through turbine venting. On February 4, 2015, SCE&G and Kleinschmidt met with SCDHEC to discuss the results of the data collection efforts. During our meeting, SCDHEC indicated that we now had enough data for submission for the 401 Water Quality Certificate. They did ask that SCE&G explore developing a plan for using the existing turbine venting equipment to provide aeration during times when DO excursions are anticipated in the Parr Shoals Dam discharge - based on data from the USGS station. The goal of SCE&G's plan would be to meet the DO standard in the Parr Shoals discharge at all times.

Attached is a memo that summarizes all of the data collection efforts from last summer. We would like to schedule a conference call to discuss this information with the WQ TWC. Please follow the Doodle link below to indicate which time is best for you.

<http://doodle.com/vwdxbnmui93yczi5>

Thanks,  
Kelly

**Kelly Miller**  
**Regulatory Coordinator**  
  
**Office: 803.462.5633**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Kelly Miller](#)  
**To:** [Alison Jakupca](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Entrainment Study Memos and Meeting Notes  
**Date:** Tuesday, March 03, 2015 9:37:28 AM  
**Attachments:** [2014-10-22 Parr Fairfield Entrainment Memo 1 - Final.docx](#)  
[2014-10-22 Parr Fairfield Entrainment Memo 2 - Final.docx](#)  
[2014-10-23 Appendix Parr Fairfield Entrainment Memo 2 - Final.docx](#)  
[2014-12-15 Parr Fairfield Entrainment Memo 3 - Final.docx](#)  
[2015-01-30 Parr Fairfield Entrainment Memo 4 - Final.docx](#)  
[2015-02-09 Parr Fairfield Entrainment Memo 4 Addendum - Final.docx](#)  
[2014-11-04 Fisheries TWC notes - Entrainment Memo 1&2 review - Final.doc](#)  
[2015-01-06 Fisheries TWC notes - Entrainment Memo 3 review & Flow Evaluation - Final.doc](#)  
[2015-02-10 Fisheries TWC notes - Entrainment Memo 4 review - Final.doc](#)

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All,

Over the last few months, several memos regarding the various hold points for the Parr Hydro Project Entrainment and Impingement Report have been developed, reviewed and discussed by the Fisheries TWC. In the interest of organization and for your personal record, all final memos and associated final meeting notes are attached to this email.

Thanks,

Kelly

**Kelly Miller**

**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Henry Mealing](#)  
**To:** [Alison Jakupca](#); [Kelly Miller](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** RE: Parr Lake Level Fluctuation Transect Selection  
**Date:** Sunday, March 22, 2015 10:56:15 PM  
**Attachments:** [image001.png](#)

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Good Morning,

Just wanted to provide an update on our Field Trip to Parr Reservoir this week on March 25<sup>th</sup>.

We are changing our meeting location to the Highway 215 Boat Ramp on Monticello Reservoir. We will meet at 8:30 AM.

Latitude 34.32708, Longitude -81.28519

### [View Larger Map](#)

Again, please plan for a full day on the water so please pack a lunch. Bring boots - hipwaders or tennis shoes for wet wading. The boat ramps will likely be pretty muddy

Our current list of attendees is:

Bill Argentieri

Tommy Boozer

Dick Christie

Gerrit Jobsis

Bill Marshall

Byron Hamstead

Ron Ahle

Brandon Stutts

Steve Summer

Randy Mahan

Shane Boring

Henry Mealing

Thanks, and please contact me by email or phone to let me know if you need additional information or that you cannot make the trip.

Henry

**Henry Mealing**

**Kleinschmidt Associates**

**Fisheries Biologist / Project Manager**

**Cell: 706-339-3209**

---

**From:** Alison Jakupca

**Sent:** Wednesday, February 25, 2015 11:21 AM

**To:** Alison Jakupca; [Kelly Miller](#); [BARGENTIERI@scana.com](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman](#)

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**Subject:** Operations RCG - metrics and variables request  
**Date:** Wednesday, April 15, 2015 12:31:00 PM

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Good afternoon Operations RCG members,

In preparation for the May 5th Operations RCG Meeting, we would like to remind everyone that a couple of requests are outstanding from the September 2014 meeting notes. These include developing a list of variables to be evaluated in the model scenarios; potential example scenarios of interest; and comparative metrics of interest to RCG members – so the results of multiple scenarios can be presented in a manner that will be useful to the RCG.

For each variable, please consider that we will need the variable's stage or flow value, and also the location of the requested variable, and the time/duration (during certain months of the year, and for how many hours each day). We understand that actual scenario requests – which include the location and time/duration details – require the completion of ongoing studies. For example, releases from the Parr dam – Spring Spawning flow (Feb-April) ### cfs – Transition flow (May – June) of ## cfs – Summer Winter (July-January) flow of ### cfs, and adding specifics like – “using a continuous flow instead of a daily average flow downstream”.

Comparative metrics could be provided in the form of frequency of violating a request (how often can the flow request be met – 75% - 80% - 90%), and magnitude of violations. We welcome RCG members to submit other ideas for discussion during our meeting.

Our goal is to have the model prepared to run different scenarios after studies are completed, and generate valuable comparisons between the scenarios. If you can submit variables and metrics that would be of interest to you, it would be beneficial for that effort.

Thanks,  
Bret

**Bret R. Hoffman, P.E.**

**Senior Engineer**

***Kleinschmidt***

**Office: 803.462.5623**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



**From:** [Henry Mealing](#)  
**To:** [BARGENTIERI@scana.com](mailto:BARGENTIERI@scana.com); [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:Bill Marshall (marshallb@dnr.sc.gov)); [Bill Stangler \(CRK@congariverkeeper.org\)](mailto:Bill Stangler (CRK@congariverkeeper.org)); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](mailto:Byron Hamstead (Byron_hamstead@fws.gov)); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick Christie (christied@dnr.sc.gov)); [Frank\\_Henning@nps.gov](mailto:Frank_Henning@nps.gov); [Fritz Rohde \(Fritz\\_Rohde@noaa.gov\)](#); [Gerrit\\_Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit_Jobsis (gjobsis@americanrivers.org)); [Greg Mixon \(mixong@dnr.sc.gov\)](mailto:Greg Mixon (mixong@dnr.sc.gov)); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](mailto:Jim Glover (gloverjb@dhec.sc.gov)); [Karla Reece \(Karla.Reece@noaa.gov\)](mailto:Karla Reece (Karla.Reece@noaa.gov)); [Kerry Castle \(castlek@dnr.sc.gov\)](mailto:Kerry Castle (castlek@dnr.sc.gov)); [Lev, Amanda](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace Wilber (Pace.Wilber@noaa.gov)); [QUATTLEBAUM, MILTON](#); [rammarell@scana.com](mailto:rammarell@scana.com); [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy Mahan (randolph.mahan@scana.com)); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](mailto:Rusty Wenerick (weneriwr@dhec.sc.gov)); [Scott Harder](#); [Shane Boring](#); [Steve Summer](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](mailto:Tom McCoy (thomas_mccoy@fws.gov)); [STUTTS, BRANDON G](#); ["GASTON, CALEB"](#)  
**Cc:** [Kelly Miller](#)  
**Subject:** Parr Relicense - IFIM 2,000 cfs Collections  
**Date:** Thursday, June 04, 2015 10:35:59 AM  
**Attachments:** [image001.png](#)

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Parr Relicense IFIM TWC member,

Kleinschmidt is planning to collect the "2,000 cfs" data at the PHABSIM sites in support of the Parr IFIM on Mon – Wed of next week (June 8, 9 & 10).

If you would like to attend on one or all of the days of collection. Please let me (Henry Mealing) or Shane Boring know this week.

For the first day of sampling – Monday, June 8 – the team will meet at 7:00 am at the Alston USGS gage.

The Palmetto Trail crosses the river there, so there is ample parking.

Collections on Day 1 will include Sites 3 & 5 in the Parr Dam tailrace.

Because we will be working in and out of the VC Summer Nuclear Facility, you will need to either have an SCE&G Badge or we will need to line up a temporary pass for you.

If you plan to come, please bring the following and be prepared to wade:

- Life jacket
- Kayak
- Lunch
- Rain gear

We will determine meeting location for Tuesday based on what we get done Monday, so we need for you to contact us and specifically let us know if you would like to attend on one of the 3 days of sampling.

Thanks for your support,

Henry

**Henry Mealing**

**Fisheries Biologist / Project Manager**

**Kleinschmidt**

**204 Caughman Farm Lane**

**Suite 301**

Lexington, SC 29072

706-339-3209

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Shane Boring](#)  
**To:** [Shane Boring](#); [Henry Mealing](#); [BARGENTIERI@scana.com](mailto:BARGENTIERI@scana.com); [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:marshallb@dnr.sc.gov); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dnr.sc.gov\)](mailto:Chad.Altman@dnr.sc.gov); [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick.Christie@dnr.sc.gov); [Frank Henning@nps.gov](mailto:Frank.Henning@nps.gov); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](mailto:Fritz.Rohde@noaa.gov); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit.Jobsis@americanrivers.org); [Greg Mixon \(mixong@dnr.sc.gov\)](mailto:Greg.Mixon@dnr.sc.gov); [Jay Maher](mailto:Jay.Maher@dnr.sc.gov); [Jim Glover \(gloverjb@dnr.sc.gov\)](mailto:Jim.Glover@dnr.sc.gov); [Karla Reece \(Karla.Reece@noaa.gov\)](mailto:Karla.Reece@noaa.gov); [Kerry Castle \(castlek@dnr.sc.gov\)](mailto:Kerry.Castle@dnr.sc.gov); [Ley, Amanda](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace.Wilber@noaa.gov); [QUATTLEBAUM, MILTON](mailto:QUATTLEBAUM.MILTON@scana.com); [rammarell@scana.com](mailto:rammarell@scana.com); [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy.Mahan@scana.com); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dnr.sc.gov\)](mailto:Rusty.Wenerick@dnr.sc.gov); [Scott Harder](#); [Steve Summer](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](mailto:Tom.McCoy@fws.gov); [STUTTS, BRANDON G](#); ["GASTON, CALEB"](#)  
**Cc:** [Kelly Miller](#)  
**Subject:** RE: Parr Relicense - IFIM 400 cfs Collections  
**Date:** Tuesday, July 14, 2015 4:16:59 PM

---

Dear Instream Flow TWC:

This is just a reminder that we plan to collect the 400 cfs depth, velocity and substrate data in support of the Parr-Fairfield instream flow study on July 21-23 (Tuesday through Thursday of next week). If you have an interest in participating in the field effort, please let me know by the end of this week so that I can be certain to include you distribution for the field itinerary. Thanks for your continued interest in the project.

**C. Shane Boring**  
**Environmental Scientist**

The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a stylized font with a green underline.

**Office: 803.462.5625**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

---

**From:** Shane Boring  
**Sent:** Monday, June 15, 2015 4:31 PM  
**To:** [Henry Mealing](#); [BARGENTIERI@scana.com](mailto:BARGENTIERI@scana.com); [Bill Marshall \(marshallb@dnr.sc.gov\)](mailto:marshallb@dnr.sc.gov); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dnr.sc.gov\)](mailto:Chad.Altman@dnr.sc.gov); [Dick Christie \(christied@dnr.sc.gov\)](mailto:Dick.Christie@dnr.sc.gov); [Frank Henning@nps.gov](mailto:Frank.Henning@nps.gov); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](mailto:Fritz.Rohde@noaa.gov); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit.Jobsis@americanrivers.org); [Greg Mixon \(mixong@dnr.sc.gov\)](mailto:Greg.Mixon@dnr.sc.gov); [Jay Maher](mailto:Jay.Maher@dnr.sc.gov); [Jim Glover \(gloverjb@dnr.sc.gov\)](mailto:Jim.Glover@dnr.sc.gov); [Karla Reece \(Karla.Reece@noaa.gov\)](mailto:Karla.Reece@noaa.gov); [Kerry Castle \(castlek@dnr.sc.gov\)](mailto:Kerry.Castle@dnr.sc.gov); [Ley, Amanda](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](mailto:Pace.Wilber@noaa.gov); [QUATTLEBAUM, MILTON](mailto:QUATTLEBAUM.MILTON@scana.com); [rammarell@scana.com](mailto:rammarell@scana.com); [Randy Mahan \(randolph.mahan@scana.com\)](mailto:Randy.Mahan@scana.com); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dnr.sc.gov\)](mailto:Rusty.Wenerick@dnr.sc.gov); [Scott Harder](#); [Steve Summer](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](mailto:Tom.McCoy@fws.gov); [STUTTS, BRANDON G](#); ["GASTON, CALEB"](#)  
**Cc:** [Kelly Miller](#)  
**Subject:** Parr Relicense - IFIM 400 cfs Collections

Parr Relicense IFIM TWC member,

Kleinschmidt has tentatively planned to collect the "400 cfs" data at the PHABSIM sites in support of the Parr IFIM on Tuesday July 21<sup>st</sup> through Thursday July 23<sup>rd</sup>. Please note these dates are tentative at this time and are subjective to availability of flows from SCE&G and other logistics. I just wanted to get these on folks calendar with plenty of lead time.

If you would like to attend one or all of the days of collection, please let me or Henry Mealing know

by Tuesday July 20<sup>th</sup> . We will provide additional information confirming the dates and providing details regarding meeting locations, equipment needs, etc. in the near future.

Thanks for your support,

**C. Shane Boring**

**Environmental Scientist**

***Kleinschmidt***

**Office: 803.462.5625**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Kelly Miller](#)  
**To:** [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dnr.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(jglover@dnr.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [Lorianne Riffin \(RiffinL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Final Parr/Fairfield Entrainment Report  
**Date:** Monday, September 14, 2015 4:00:38 PM  
**Attachments:** [image001.png](#)  
[2015-09-11 Parr Fairfield Entrainment Memo 5 - Comments on the Draft Rep....pdf](#)  
[2015-09-14 Final Parr Fairfield Entrainment Report.pdf](#)

---

All,

On April 21, 2015 we sent out the draft Parr/Fairfield Entrainment Report for review and comment. We received comments from SCDNR and addressed those comments in the attached Memo #5. The Final Entrainment Report, which required a minor edit per SCDNR comments, is also attached for your record.

At this point, we consider the report to be final and the results should be used in developing PM&E measures for the Final License Application and Settlement Agreement.

Thanks,

Henry

**Henry Mealing**

**Fisheries Biologist / Project Manager**

***Kleinschmidt***

**204 Caughman Farm Lane**

**Suite 301**

**Lexington, SC 29072**

**706-339-3209**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Kelly Miller](#)  
**To:** [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Miller](#); [Lorianne Riffin \(RiffinL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Doodle Poll - Fisheries TWC Meeting  
**Date:** Wednesday, September 09, 2015 4:01:08 PM

---

Good afternoon,

We would like to schedule a meeting to review the aerial data collected at Monticello Reservoir as part of the Reservoir Fluctuation Study. If you are interested in joining us for this meeting , please follow the link below to vote for which day is most convenient for you. Please note that we will be meeting at the Kleinschmidt office, in Lexington, SC.

<http://doodle.com/poll/ztcxmddwgv2rbnp>

Thanks!

Kelly

**Kelly Miller**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Gerrit Jobsis](#)  
**To:** [Hamstead, Byron](#)  
**Cc:** [Shane Boring](#); [Kelly Miller](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Greg Mixon \(mixon@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Lorianne Riggini \(Riggini@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#); [SCO Conference Room](#)  
**Subject:** Re: Parr Shoals Dam - West Channel IFIM Calibration Flows  
**Date:** Wednesday, October 07, 2015 9:07:29 PM

---

Thanks for your logical comments Byron. I agree that assessing flows up to 2000 cfs is a good target.

Gerrit

Sent from my iPhone

On Oct 7, 2015, at 4:05 PM, Hamstead, Byron <[byron\\_hamstead@fws.gov](mailto:byron_hamstead@fws.gov)<[mailto:byron\\_hamstead@fws.gov](mailto:byron_hamstead@fws.gov)>> wrote:

All,

I think that one of our goals here is to model the point at which additional flows have diminishing returns for habitat quality for target spp. That inflection point may occur above 1250 cfs, but maybe higher. Just in case, I would prefer that the upper calibration flow is a little higher, say around 800 cfs. This would give us the ability to model habitat conditions at 2000 cfs in the west channel. I understand that flow in the west channel is not as easily controlled as it is below the powerhouse, so I expect that a calibration flow of precisely 800 cfs may not be possible. I am OK with a ballpark approximation.

I hope yall are doing well and are starting to dry out a little. Please let me know if you have any questions/issues with this request.

B

Byron Hamstead  
Fish and Wildlife Biologist  
USFWS Asheville Field Office  
160 Zillicoa St., Suite B  
Asheville, NC, 28801

828-258-3939 ext. 225

This email correspondence and any attachments to and from this sender is subject to the Freedom of Information Act and may be disclosed to third parties.

On Tue, Sep 29, 2015 at 9:41 AM, Shane Boring  
<[Shane.Boring@kleinschmidtgroup.com](mailto:Shane.Boring@kleinschmidtgroup.com)<<mailto:Shane.Boring@kleinschmidtgroup.com>>> wrote:  
Dear Fisheries TWC Members:

We have completed data collection for all of the PHABSIM transects for the Parr IFIM study, with the exception of Study Site 2, which is located in the West Channel. Because Study Site 2 receives little to no flow from the powerhouse, it requires its own set of calibration flows for the PHABSIM modeling. We have selected the following calibration flows:

- \* Leakage (100-150 cfs)
- \* Approx. 300 cfs
- \* Approx. 500 cfs

This flow schedule will allow us to model habitat from approximately 60 cfs (40% below the lowest flow) up to 2.5 times the highest flow (approximately 1500 cfs).

If you could provide your concurrence with these flows by close-of-business next Monday, October 5th, that would be greatly appreciated. We are approaching a window over the next couple of week that will be ideal for collecting West Channel data.

Thanks and please don't hesitate to call with questions.

C. Shane Boring  
Environmental Scientist  
[cid:image001.gif@01D0FA9A.F56B1E50]  
Office: 803.462.5625  
www.KleinschmidtGroup.com<<http://www.KleinschmidtUSA.com>>



**From:** [Dick Christie](#)  
**To:** [Shane Boring](#); [Kelly Miller](#); [Alison Jakupca](#); "ARGENTIERI, WILLIAM R"; [Bill Marshall](#); "Bill Stangler (CRK@congariverkeeper.org)"; "BRESNAHAN, AMY"; [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#)"; [Caleb Gaston \(caleb.gaston@scana.com\)](#)"; [Chad Altman \(altmankc@dhc.sc.gov\)](#)"; [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#)"; [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#)"; [Greg Mixon](#); [Hal Beard](#); [Henry Mealing](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#)"; [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#)"; [Lorianne Riggan](#); [rammarell@scana.com](#)"; [Randy Mahan \(randolph.mahan@scana.com\)](#)"; [randy mahan \(rmahan@sc.rr.com\)](#)"; [Robert Stroud](#); [Ron Ahle](#); [Sam Stokes Jr.](#); [Steve Summer](#)"; [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)"; [SCO Conference Room](#)  
**Subject:** RE: Parr Shoals Dam - West Channel IFIM Calibration Flows  
**Date:** Thursday, October 08, 2015 10:27:28 AM

---

Hi Shane - we concur with Byron's suggestion to increase the proposed high flow from 500 cfs to about 800 cfs.

---

**From:** Shane Boring [mailto:Shane.Boring@KleinschmidtGroup.com]  
**Sent:** Tuesday, September 29, 2015 9:41 AM  
**To:** Kelly Miller; Alison Jakupca; ARGENTIERI, WILLIAM R; Bill Marshall; Bill Stangler (CRK@congariverkeeper.org); BRESNAHAN, AMY; Byron Hamstead (Byron\_hamstead@fws.gov); Caleb Gaston (caleb.gaston@scana.com); Chad Altman (altmankc@dhc.sc.gov); Dick Christie; Fritz Rohde (Fritz.Rohde@noaa.gov); Gerrit Jobsis (gjobsis@americanrivers.org); Greg Mixon; Hal Beard; Henry Mealing; Jim Glover (gloverjb@dhc.sc.gov); Jordan Johnson; Karla Reece (Karla.Reece@noaa.gov); Lorianne Riggan; rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com); randy mahan (rmahan@sc.rr.com); Robert Stroud; Ron Ahle; Sam Stokes Jr.; Steve Summer; STUTTS, BRANDON G; Tom McCoy (thomas\_mccoy@fws.gov); SCO Conference Room  
**Subject:** Parr Shoals Dam - West Channel IFIM Calibration Flows  
**Importance:** High

Dear Fisheries TWC Members:

We have completed data collection for all of the PHABSIM transects for the Parr IFIM study, with the exception of Study Site 2, which is located in the West Channel. Because Study Site 2 receives little to no flow from the powerhouse, it requires its own set of calibration flows for the PHABSIM modeling. We have selected the following calibration flows:

- Leakage (100-150 cfs)
- Approx. 300 cfs
- Approx. 500 cfs

This flow schedule will allow us to model habitat from approximately 60 cfs (40% below the lowest flow) up to 2.5 times the highest flow (approximately 1500 cfs).

If you could provide your concurrence with these flows by close-of-business next Monday, October 5<sup>th</sup>, that would be greatly appreciated. We are approaching a window over the next couple of week that will be ideal for collecting West Channel data.

Thanks and please don't hesitate to call with questions.

**C. Shane Boring**  
**Environmental Scientist**

***Kleinschmidt***

Office: 803.462.5625

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**Subject:** SCDNR Reports - 1  
**Date:** Wednesday, January 14, 2015 8:44:54 AM  
**Attachments:** [image001.png](#)  
[Fisheries Investigation in Lakes and Streams District IV July 1, 1998 to June 30, 1999.pdf](#)  
[Fisheries Investigations in Lakes and Streams July 1, 1996 thru June 30, 1997.pdf](#)

---

Dear TWC Member,

Attached are pdf copies of the SCDNR reports that I referenced in our meeting last week. (Due to file sizes, you will receive a total of 3 emails that will contain all 4 reports.) I have looked through these and there is some information available on shad populations. Dick Christie's recollections were correct about gizzard shad dominating the forage base by biomass. Observations on the fishery from two of the reports ([Fisheries Investigations in Lake and Streams District IV July 1, 1989 to June 30, 1992](#) and [Fisheries Investigations in Lakes and Streams July 1, 1996 thru June 30, 1997](#)) include:

- discussions of threadfin shad (TFS) and gizzard shad (GZS) populations – also that there is a higher composition of GZS over TFS in the dam/intake area.
- TFS form a large part of the Age 0 prey base but GZS grow to larger sizes and make up more of the shad biomass of the reservoir.
- Both reports give a description of cove rotenone collections in Lake Monticello.
- General observations are that the shad densities in the lake are lower than other nearby lakes due to lower nutrient levels.
- There is also a section of both reports that describe the use and success of fish attractors on Lake Monticello.

These reports have reinforced my belief that potential entrainment of shad at the project will not be as high as our estimated predictions, because there are not that many shad present. However, our review of entrainment studies show that shad present in the intake areas (both in the reservoir for conventional generation and in the tailrace for pumpback) are susceptible to entrainment. We will include this information in the final Entrainment Report and include the TWC additional comments.

Thanks for your continued assistance.

Henry

**Henry Mealing**

**Fisheries Biologist / Project Manager**

**Kleinschmidt**

**204 Caughman Farm Lane**

**Suite 301**

**Lexington, SC 29072**

**706-339-3209**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Alison Jakupca](#)  
**To:** [Bill Marshall](#); [scswampduck@gmail.com](mailto:scswampduck@gmail.com); [showboatjbd@yahoo.com](mailto:showboatjbd@yahoo.com); [jemckenzie@columbiasc.net](mailto:jemckenzie@columbiasc.net); [grizzeav@hotmail.com](mailto:grizzeav@hotmail.com); [John Tate](#); [tenbell@windstream.net](mailto:tenbell@windstream.net); [Charlene Coleman \(cheetahtrk@yahoo.com\)](mailto:Charlene.Coleman@cheetahtrk@yahoo.com); [crk@congaeriverkeeper.org](mailto:crk@congaeriverkeeper.org); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](mailto:Gerrit.Jobsis@americanrivers.org); [stuart](#); [edye@bteamkayaking.com](mailto:edye@bteamkayaking.com); [Malcolm Leaphart \(mwleapjr@att.net\)](mailto:Malcolm.Leachart@mwleapjr.com)  
**Cc:** [ARGENTIERI, WILLIAM R](#); [Henry Mealing](#); [Kelly Miller](#); ["BRESNAHAN, AMY"](#)  
**Subject:** Parr Hydroelectric Project - Recreational Flow User Survey  
**Date:** Monday, November 09, 2015 1:49:31 PM

---

Good Afternoon,

I hope that everyone is doing well. As you recall, we held a Recreational Flow Focus Group meeting in December 2014 as part of the Downstream Recreational Flow Assessment Study for the Parr Hydroelectric Project. An important objective of that focus group was to gather information that characterizes non-motorized boating use and preferred river flows associated with recreational use on the Broad River downstream of the Parr Shoals Dam, primarily as they relate to wade-angling, canoeing and/or kayaking.

Now that the 2015 recreation season is coming to a close, we wanted to again gather your views on recreational use and preferred river flows on the Broad River between Parr Shoals Dam and approximately Boatwright Island. In lieu of holding another focus group meeting, we thought that it may be a more effective use of your time to issue a short, online survey to garner your opinions.

You can link to the survey here: <https://www.surveymonkey.com/r/TWK9QPS>

I will close the survey on November 30<sup>th</sup>, so please have your opinions in before that date. If you have any questions, please do not hesitate to shoot me an email or give me a call. Thank you very much in advance.

**Alison Jakupca**

**Regulatory Coordinator**

***Kleinschmidt Associates***

**Office: 803.462.5628**

**[www.Kleinschmidtusa.com](http://www.Kleinschmidtusa.com)**

**From:** [Kelly Kirven](#)  
**To:** [\(msgentry@columbiasc.net\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Bob Perry](#); [BRESNAHAN, AMY](#); [Bret Hoffman](#); [btrump@scana.com](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Charlene Coleman \(cheetahtk@yahoo.com\)](#); [Chris Johnston \(JohnstonWC@gmail.com\)](#); [Chuck Hightower \(hightow@dhc.sc.gov\)](#); [David Eargle \(eargleda@dhc.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Edye Joyner](#); [Elizabeth Johnson \(emjohnson@scdah.state.sc.us\)](#); [Elizabeth LeMaster](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Frank Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerritt Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jaclyn Daly \(Jaclyn.Daly@noaa.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Joe Wojcicki](#); [John Fantry \(jfantry@bellsouth.net\)](#); [John Grego \(jrgrego@pop.mindspring.com\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Kamau Marcharia \(marcharia@aol.com\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Larry Newton \(LNewton@sc.rr.com\)](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mark Caldwell \(mark\\_caldwell@fws.gov\)](#); [Mark Cantrell \(mark\\_a\\_cantrell@fws.gov\)](#); [Mark Davis](#); [Mel Jenkins \(greenpalmetto@yahoo.com\)](#); [Merrill McGregor \(merrillm@scccl.org\)](#); [Mike Mastry \(Mike.Mastry@noaa.gov\)](#); [Mike McSwain \(mcswain@comcast.net\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [Phil Gaines \(pgaines@scprt.com\)](#); [Rachel Sweeney \(rachel.sweeney@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhc.sc.gov\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhc.sc.gov\)](#); [Scott Collins \(secollins@scana.com\)](#); [Scott Harder](#); [Shane Boring](#); ["Sherer, Jonathan"](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [SUMMER, MICHAEL C](#); [tboozers@scana.com](#); [Theresa Powers](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [William Hendrix \(HendrixWB@dot.state.sc.us\)](#); [Alison Jakupca](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Henry Mealing](#); [Kelly Kirven](#); [Lorianne Riggan \(RigganL@dnr.sc.gov\)](#); [Shane Boring](#); [David Haddon \(dhaddon@scana.com\)](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Bruce Halverson](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Brandon Kulik](#); [Ley, Amanda](#); [Alison Jakupca](#); [Henry Mealing](#); [Jay Maher](#); [Jordan Johnson](#); [Kelly Kirven](#); [Shane Boring](#)  
**Subject:** Parr Hydroelectric Project 2015 Study Review Memo  
**Date:** Wednesday, December 16, 2015 3:52:04 PM  
**Attachments:** [2015-12-16 Parr Fairfield Studies Update Memo for Relicensing Stakeholde....pdf](#)

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Good Afternoon Everyone,

As 2015 comes to a close, we wanted to provide you with an overview of the significant progress that has taken place on the studies undertaken in support of the Parr Hydroelectric Project Relicensing. The attached memo outlines the various studies that are currently underway, what has been accomplished to date, and any remaining tasks. This memo also provides an overview of significant milestones for 2016. Please do not hesitate to let us know if you have any questions regarding this memo or the studies discussed within. Thank you for your efforts so far, and we look forward to your continued participation for a successful relicensing. Happy Holidays.

**Kelly Miller Kirven**  
**Regulatory Coordinator**

**Kleinschmidt**

**Office: 803.462.5633**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Kelly Kirven](#)  
**To:** [Scott Collins \(secollins@scana.com\)](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Lorianne Rigglin \(RigglinL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Monticello Reservoir Fluctuation Meeting Notice  
**Date:** Thursday, April 28, 2016 2:49:09 PM

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Good afternoon,

We looked at the Doodle Poll results for the field trip to Monticello Reservoir to develop Habitat Enhancement recommendations, and Monday, May 23, 2016 is the best date for a majority of TWC members. We will plan to meet that morning at 9:00 AM at the Hwy 99 Boat Ramp on Monticello Reservoir. It will likely take us all day to complete our review of Habitat Enhancement sites on the lake, so please plan to be on the boat until around 4:00 pm. SCE&G will provide the boats and will have a cooler with water for everyone. Please bring your lunch and a PFD for the trip. We will have maps and depth contours available for review during the day. We will also have the opportunity to wade certain areas of interest if desired, so wear the appropriate clothing for a variety of activities. In the event of thunderstorms that day, we will reschedule for a later date.

I will send out an Outlook meeting notice for this field trip. If you plan to join us, please RSVP to me by accepting the meeting notice or by sending me an email by Monday, May 16<sup>th</sup>, so that we know how many boats are needed.

We look forward to seeing you at the meeting and moving one step closer to developing a PM&E that will address reservoir fluctuations on Monticello Reservoir.

Thanks,  
Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a stylized blue font with a green underline.

**Office: 803.462.5633**

**Cell: 803.917.4528**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Kelly Kirven](#)  
**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(jgloverjb@dhec.sc.gov\)](#); [Kelly Kirven](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Lorianne Rigglin \(RigglinL@dnr.sc.gov\)](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** West Channel Field Meeting - June 23, 2016  
**Date:** Monday, May 02, 2016 11:51:44 AM

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Good morning,

At the Water Quality TWC meeting, held on March 23, 2016, the group discussed the need to schedule a site visit to the West Channel area downstream of Parr Shoals Dam during low flows. Based on the doodle poll results we received, we have selected June 23, 2016 to meet at the west side of Parr Shoals Dam and view the West Channel area.

We will meet at the junction of Broad River Road and Parr Shoals Rd, Pomaria, SC – then proceed down through the gates to Parr Shoals Dam.

Please plan to meet with us between **8:00 am and 12:00 pm** to:

- observe the West Channel area during dam leakage flows (8am – 10am)
- observe a range of spills from gates 1&2 (100 to 300 cfs) (10am – 12pm)
- finalize our plans for additional monitoring in August and evaluation of pulse flow testing

Plan to either wet wade with tennis shoes and pants/shorts or bring some waders. It will likely be very hot so be sure to dress appropriately and have sunscreen. We will have some waters on hand and will take breaks as needed.

If you would like to see an alternative observation plan, please contact Henry Mealing ([Henry.Mealing@KleinschmidtGroup.com](mailto:Henry.Mealing@KleinschmidtGroup.com) or 803-462-5629) to discuss the suggested changes.

Thank you for your continued cooperation.

Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**Cell: 803.917.4528**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



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**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dnr.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dnr.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Lorianne Riggin \(RigginL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** SREL Parr & Monticello Waterfowl Report - Year 1  
**Date:** Tuesday, May 03, 2016 3:40:55 PM  
**Attachments:** [SREL Waterfowl Report 2015-2016 - Revised 5-3-16.docx](#)

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Good afternoon,

Attached is the Parr & Monticello Waterfowl Report, prepared by the Savannah River Ecology Lab (SREL), which includes a summary of the aerial waterfowl surveys performed at Parr and Monticello reservoirs during the first year of monitoring. Please review and provide any comments or edits by Monday, May 16<sup>th</sup>.

Thanks,  
Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**Cell: 803.917.4528**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

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**Subject:** Final WQ TWC Meeting Notes - 3-23-16  
**Date:** Thursday, May 12, 2016 9:03:25 AM  
**Attachments:** [final\\_032316\\_WQ\\_TWC\\_notes.pdf](#)

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Good morning,

Attached for your record are the final meeting notes from the WQ TWC meeting, held on March 23, 2016. These notes will also be available on the Project website at [www.parrfairfieldrelicense.com](http://www.parrfairfieldrelicense.com).

Thanks,

Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**Cell: 803.917.4528**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Kelly Kirven](#)  
**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Henry Mealing](#); [Jordan Johnson](#); [rammarell@scana.com](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Scott Collins \(secollins@scana.com\)](#); [tboozier@scana.com](#); [Ron Ahle](#)  
**Cc:** [Kelly Kirven](#); [Alison Jakupca](#)  
**Subject:** Reminder - Monticello Reservoir Fluctuation Meeting  
**Date:** Friday, May 20, 2016 10:53:59 AM

---

Good morning,

You are receiving this email because you signed up to attend the Monticello Reservoir Fluctuation Meeting. The meeting is scheduled for this coming **Monday, May 23, 2016, at 9:00 AM**. Below are the following reminders:

- Meet at the Hwy 99 Boat Ramp on Monticello Reservoir.
- Plan to be on the boat until 4:00 PM.
- **Please bring your own lunch and a PFD.** SCE&G will provide waters and coolers with ice.
- Dress appropriately for spending a full day on the water with the possibility of wading in the lake.
- If you are interested, you can download the “Navionics Boating” app on your phone for free (search for “Navionics Boating” at the app store on your phone). This app provides contour information for Lake Monticello for 10 days if you sign up for the free trial. Additional information can be found here: <http://www.navionics.com/en/mobile-pc-app-1>

If you need directions to the Hwy 99 Boat Ramp, please let me know. If you need to get in touch with someone on Monday morning (running late, etc.), please call or text Henry Mealing at 706-339-3209. The boats will be leaving promptly at 9:15 AM.

Thanks,  
Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**Cell: 803.917.4528**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Henry Mealing](#)  
**To:** [Bill Marshall](#); [Kelly Kirven](#); [Alex Pellett](#); [ARGENTIERI, WILLIAM R](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Dick Christie](#); [Jordan Johnson](#); [rammarell@scana.com](#); [Robert Stroud](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Scott Collins \(secollins@scana.com\)](#); [tboozier@scana.com](#); [Ron Ahle](#)  
**Cc:** [Alison Jakupca](#)  
**Subject:** RE: Reminder - Monticello Reservoir Fluctuation Meeting  
**Date:** Friday, May 20, 2016 3:20:06 PM

---

Thanks Bill,

After our last meeting, Jordan started looking around for current bathymetry data available for Monticello. He found that the Navionics Program has quite a bit of contour information for the lake. That is the reason we included that app in the meeting reminder. Jordan will have that available for us to look at when we go out on Monday in addition to the topo maps you have provided.

Henry

---

**From:** Bill Marshall [mailto:MarshallB@dnr.sc.gov]  
**Sent:** Friday, May 20, 2016 3:16 PM  
**To:** Kelly Kirven <Kelly.Kirven@KleinschmidtGroup.com>; Alex Pellett <PellettC@dnr.sc.gov>; ARGENTIERI, WILLIAM R <BARGENTIERI@scana.com>; Caleb Gaston (caleb.gaston@scana.com) <caleb.gaston@scana.com>; Dick Christie <ChristieD@dnr.sc.gov>; Henry Mealing <Henry.Mealing@KleinschmidtGroup.com>; Jordan Johnson <Jordan.Johnson@KleinschmidtGroup.com>; rammarell@scana.com; Robert Stroud <StroudR@dnr.sc.gov>; Steve Summer <ssummer@scana.com>; STUTTS, BRANDON G <BSTUTTS@scana.com>; Scott Collins (secollins@scana.com) <secollins@scana.com>; tboozier@scana.com; Ron Ahle <AhleR@dnr.sc.gov>  
**Cc:** Alison Jakupca <Alison.Jakupca@KleinschmidtGroup.com>  
**Subject:** RE: Reminder - Monticello Reservoir Fluctuation Meeting

All,

I've attached three pdf images from topo maps to capture the area under Monticello prior to inundation. These are provided as another option for seeing the contours under the lake.

Bill

---

**From:** Kelly Kirven [mailto:Kelly.Kirven@KleinschmidtGroup.com]  
**Sent:** Friday, May 20, 2016 10:54 AM  
**To:** Alex Pellett <PellettC@dnr.sc.gov>; ARGENTIERI, WILLIAM R <BARGENTIERI@scana.com>; Bill Marshall <MarshallB@dnr.sc.gov>; Caleb Gaston (caleb.gaston@scana.com) <caleb.gaston@scana.com>; Dick Christie <ChristieD@dnr.sc.gov>; Henry Mealing <Henry.Mealing@KleinschmidtGroup.com>; Jordan Johnson <Jordan.Johnson@KleinschmidtGroup.com>; rammarell@scana.com; Robert Stroud <StroudR@dnr.sc.gov>; Steve Summer <ssummer@scana.com>; STUTTS, BRANDON G <BSTUTTS@scana.com>; Scott Collins (secollins@scana.com) <secollins@scana.com>;

[tboozier@scana.com](mailto:tboozier@scana.com); Ron Ahle <[AhleR@dnr.sc.gov](mailto:AhleR@dnr.sc.gov)>

**Cc:** Kelly Kirven <[Kelly.Kirven@KleinschmidtGroup.com](mailto:Kelly.Kirven@KleinschmidtGroup.com)>; Alison Jakupca <[Alison.Jakupca@KleinschmidtGroup.com](mailto:Alison.Jakupca@KleinschmidtGroup.com)>

**Subject:** Reminder - Monticello Reservoir Fluctuation Meeting

Good morning,

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- Dress appropriately for spending a full day on the water with the possibility of wading in the lake.
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Thanks,  
Kelly

**Kelly Miller Kirven**  
**Regulatory Coordinator**

***Kleinschmidt***

**Office: 803.462.5633**

**Cell: 803.917.4528**

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**From:** [Fritz Rohde - NOAA Federal](#)  
**To:** [Kelly Kirven](#)  
**Cc:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Chuck Hightower \(hightocw@dhc.sc.gov\)](#); [David Eargle \(eargleda@dhc.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Lorianne Riggan \(RigganL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Rusty Wenerick \(weneriwr@dhc.sc.gov\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhc.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Re: revised Draft American Eel Abundance Report  
**Date:** Monday, May 23, 2016 4:29:20 PM

---

Thank you for the report and the additional sampling in 2016.

Fritz

On Mon, May 23, 2016 at 2:07 PM, Kelly Kirven <[Kelly.Kirven@kleinschmidtgroup.com](mailto:Kelly.Kirven@kleinschmidtgroup.com)> wrote:

Good afternoon,

Attached is the revised draft American Eel Abundance Report. This report includes the additional data that was collected in 2016 per NOAA request. The majority of the revisions are contained in sections 6.0 and 7.0. Please review and send in any edits or comments by Monday, June 6<sup>th</sup>.

Please note that the appendices will be attached to the final PDF report.

Thanks,

Kelly

**Kelly Miller Kirven**

**Regulatory Coordinator**

***Kleinschmidt***

Office: [803.462.5633](tel:803.462.5633)

Cell: [803.917.4528](tel:803.917.4528)

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

**From:** [Alison Jakupca](#)  
**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhc.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Lorianne Riggin \(RigginL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Draft Fisheries TWC Meeting Notes - May 23, 2016  
**Date:** Wednesday, June 22, 2016 3:28:39 PM  
**Attachments:** [2016-05-23 draft Fisheries TWC notes - Monticello Reservoir Field Observ....doc](#)  
[Monticello Habitat Enhancement Locations Draft 2016-05-30.pdf](#)

---

Dear Fisheries TWC member,

Attached are the draft meeting notes for the May 23, 2016 meeting on Monticello Reservoir where the TWC reviewed potential habitat enhancements (numbers and locations). The notes are presented in a WORD file and the maps are included in the PDF file. Please look over these and give us your comments by July 6, 2016.

SCE&G is currently reviewing the potential enhancements and developing a draft proposal for TWC consideration.

Thanks for your continued involvement on this project.

Alison Jakupca

Project Regulatory Coordinator

**Kleinschmidt**

Office: 803 462 5628

Mobile: 864 906 4119

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



**From:** [Henry Mealing](#)  
**To:** [Kelly Kirven](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Lorianne Riggan \(RigganL@dnr.sc.gov\)](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Water Quality TWC - West Channel Field Meeting - June 23, 2016 draft meeting notes  
**Date:** Wednesday, July 13, 2016 11:19:07 AM  
**Attachments:** [2016-06-23 West channel flow demonstration TWC notes 7-12 draft for TWC.docx](#)  
[image002.png](#)

---

Good morning,

On June 23, 2016, members of the Water Quality TWC met in the West Channel area to observe a spillway pulse flow demonstration. Attached are the notes from that field meeting. Please review the notes and provide us your comments by July 27, 2016.

We will begin additional Dissolved Oxygen and Temperature monitoring in August as indicated in the notes. After completion of that data collection, we will prepare a short report and reconvene with the TWC to discuss the results.

Thank you for your continued cooperation.

Henry

**Henry Mealing**  
**Fisheries Biologist / Project Manager**

The logo for Kleinschmidt, featuring the word "Kleinschmidt" in a stylized, bold, blue font with a green underline.

**204 Caughman Farm Lane**

**Suite 301**

**Lexington, SC 29072**

**706-339-3209**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



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**To:** [Henry Mealing](#); [Kelly Kirven](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Lorianne Rigglin \(RigglinL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** RE: Monticello Reservoir Fluctuation Report - Draft  
**Date:** Friday, July 29, 2016 8:56:47 AM  
**Attachments:** [image005.png](#)  
[image006.png](#)

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Good Morning TWC,

As mentioned in Henry's email (copied below), I have created a Doodle Poll for the Fisheries TWC Meeting proposed for late August/early September. Please follow the following link to vote for the date and time that works best for your schedule: <http://doodle.com/poll/mishn2cbkb69ht6j>. Please have all votes in by next Friday, August 5<sup>th</sup>. Thanks and have a great weekend! Alison

**Alison Jakupca**  
**Project Regulatory Coordinator**  
  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



---

**From:** Henry Mealing  
**Sent:** Thursday, July 28, 2016 1:51 PM  
**To:** Kelly Kirven <Kelly.Kirven@KleinschmidtGroup.com>; Alison Jakupca <Alison.Jakupca@KleinschmidtGroup.com>; [ARGENTIERI, WILLIAM R](#) <[BARGENTIERI@scana.com](#)>; [Bill Marshall \(marshallb@dnr.sc.gov\)](#) <[marshallb@dnr.sc.gov](#)>; [Bill Stangler \(CRK@congariverkeeper.org\)](#) <[CRK@congariverkeeper.org](#)>; [BRESNAHAN, AMY](#) <[Amy.Bresnahan@scana.com](#)>; [Byron Hamstead \(Byron\\_hamstead@fws.gov\)](#) <[Byron\\_hamstead@fws.gov](#)>; [Caleb Gaston \(caleb.gaston@scana.com\)](#) <[caleb.gaston@scana.com](#)>; [Chad Altman \(altmankc@dhec.sc.gov\)](#) <[altmankc@dhec.sc.gov](#)>; [Dick Christie \(christied@dnr.sc.gov\)](#) <[christied@dnr.sc.gov](#)>; [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#) <[Fritz.Rohde@noaa.gov](#)>; [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#) <[gjobsis@americanrivers.org](#)>; [Greg Mixon \(mixong@dnr.sc.gov\)](#) <[mixong@dnr.sc.gov](#)>; [Hal Beard \(BeardH@dnr.sc.gov\)](#) <[BeardH@dnr.sc.gov](#)>; [Jim Glover \(gloverjb@dhec.sc.gov\)](#) <[gloverjb@dhec.sc.gov](#)>; [Jordan Johnson](#)

<Jordan.Johnson@KleinschmidtGroup.com>; Karla Reece (Karla.Reece@noaa.gov)  
<Karla.Reece@noaa.gov>; Lorianne Riggins (RigginsL@dnr.sc.gov) <RigginsL@dnr.sc.gov>;  
rammarell@scana.com; Randy Mahan (randolph.mahan@scana.com)  
<randolph.mahan@scana.com>; Randy Mahan (rmahan@sc.rr.com) <rmahan@sc.rr.com>; Robert  
Stroud (StroudR@dnr.sc.gov) <StroudR@dnr.sc.gov>; Ron Ahle <AhleR@dnr.sc.gov>; Sam Stokes  
(stokess@dnr.sc.gov) <stokess@dnr.sc.gov>; Shane Boring  
<Shane.Boring@KleinschmidtGroup.com>; Steve Summer <ssummer@scana.com>; STUTTS,  
BRANDON G <BSTUTTS@scana.com>; Tom McCoy (thomas\_mccoy@fws.gov)  
<thomas\_mccoy@fws.gov>

**Subject:** Monticello Reservoir Fluctuation Report - Draft

Good morning,

Attached is a draft copy of the Monticello Reservoir Habitat Enhancement Report based on the last TWC field meeting. Please review the report and let us know if you have any comments by August 11, 2016.

We plan to hold a TWC ½ day meeting on one of the following dates to review the report and develop the final framework for a PM&E measure:

Tuesday, August 23  
Wednesday, August 24  
Wednesday, August 31  
Thursday, September 1

We will send out a Doodle Poll tomorrow so that TWC members can input your preferences.

Thanks for your continued involvement in the Parr Relicense.

Henry  
**Henry Mealing**  
**Fisheries Biologist / Project Manager**

**Kleinschmidt**

**204 Caughman Farm Lane**

**Suite 301**

**Lexington, SC 29072**

**706-339-3209**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



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**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [Henry Mealing](#); [Jay Maher](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jordan Johnson](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Lorlaine Rigglin \(RigglinL@dnr.sc.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Ron Ahle](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Final Fisheries TWC Meeting Notes - May 23, 2016  
**Date:** Friday, July 29, 2016 9:12:05 AM  
**Attachments:** [2016-05-23 final Fisheries TWC notes - Monticello Reservoir Field Observ.pdf](#)

---

Dear Fisheries TWC member,

Attached are the final meeting notes for the May 23, 2016 meeting on Monticello Reservoir where the TWC reviewed potential habitat enhancements (numbers and locations). Thanks for your continued involvement on this project.

**Alison Jakupca**  
**Project Regulatory Coordinator**  
***Kleinschmidt***  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



**From:** [Shane Boring](#)  
**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Frank Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Lorianne Riffin \(RiffinL@dnr.sc.gov\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhc.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Parr-FF Draft Instream Flow Report  
**Date:** Monday, August 08, 2016 4:46:24 PM  
**Attachments:** [2016-08-05 Parr IFIM Draft Report.docx](#)

---

Dear Instream Flow TWC:

Attached for your review is the draft Instream Flow Report for Parr Hydro Project. Please note that this report is intended to be a data report describing the flow/habitat relationships and is not intended to provide a flow recommendation. You will be receiving a doodle poll shortly for a meeting in mid- to late-September to go through the study results as a group and discuss next steps. Finally, please note that the report appendices will be provided in a separate email due to file size. Thanks to all who participated in development of this study and please don't hesitate to call if we can answer any questions.

**C. Shane Boring**

**Environmental Scientist**

***Kleinschmidt***

**Office: 803.462.5625**

[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

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**To:** [Shane Boring](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Frank\\_Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Lorianne Riggan \(RigganL@dnr.sc.gov\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhc.sc.gov\)](#); [Scott Harder](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Doodle Poll: Parr-FF Draft Instream Flow Report  
**Date:** Tuesday, August 09, 2016 9:31:58 AM

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Good Morning All,

Below you will find a link to a Doodle Poll for the Parr Instream Flow TWC Meeting to review the draft Instream Flow Report distributed yesterday. I will close the poll on August 16<sup>th</sup>, so please have your votes in by that time. Thanks and have a great week, Alison

<http://doodle.com/poll/a8w45ppg8kkpgzdu>

**Alison Jakupca**  
**Project Regulatory Coordinator**  
***Kleinschmidt***  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



---

**From:** Shane Boring  
**Sent:** Monday, August 08, 2016 4:46 PM  
**To:** [Alex Pellett \(PellettC@dnr.sc.gov\)](#) <PellettC@dnr.sc.gov>; [Alison Jakupca](#) <Alison.Jakupca@KleinschmidtGroup.com>; [ARGENTIERI, WILLIAM R](#) <BARGENTIERI@scana.com>; [Bill Marshall \(marshallb@dnr.sc.gov\)](#) <marshallb@dnr.sc.gov>; [Bill Stangler \(CRK@congariverkeeper.org\)](#) <CRK@congariverkeeper.org>; [Brandon Kulik](#) <Brandon.Kulik@KleinschmidtGroup.com>; [BRESNAHAN, AMY](#) <Amy.Bresnahan@scana.com>; [Caleb Gaston \(caleb.gaston@scana.com\)](#) <caleb.gaston@scana.com>; [Chad Altman \(altmankc@dhc.sc.gov\)](#) <altmankc@dhc.sc.gov>; [Dick Christie \(dchristie@comporium.net\)](#) <dchristie@comporium.net>; [Frank\\_Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#) <Fritz.Rohde@noaa.gov>; [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#) <gjobsis@americanrivers.org>; [Greg Mixon \(mixong@dnr.sc.gov\)](#) <mixong@dnr.sc.gov>; [Henry Mealing](#)

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(castlek@dnr.sc.gov) <castlek@dnr.sc.gov>; Ley, Amanda <leyah@dhec.sc.gov>; Lorianne Rigg  
(RiggL@dnr.sc.gov) <RiggL@dnr.sc.gov>; Pace Wilber (Pace.Wilber@noaa.gov)  
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<AhleR@dnr.sc.gov>; Rusty Wenerick (weneriwr@dhec.sc.gov) <weneriwr@dhec.sc.gov>; Scott  
Harder <HarderS@dnr.sc.gov>; Shane Boring <Shane.Boring@KleinschmidtGroup.com>; Steve  
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(thomas\_mccoy@fws.gov) <thomas\_mccoy@fws.gov>

**Subject:** Parr-FF Draft Instream Flow Report

Dear Instream Flow TWC:

Attached for your review is the draft Instream Flow Report for Parr Hydro Project. Please note that this report is intended to be a data report describing the flow/habitat relationships and is not intended to provide a flow recommendation. You will be receiving a doodle poll shortly for a meeting in mid- to late-September to go through the study results as a group and discuss next steps. Finally, please note that the report appendices will be provided in a separate email due to file size. Thanks to all who participated in development of this study and please don't hesitate to call if we can answer any questions.

**C. Shane Boring**

**Environmental Scientist**

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**Office: 803.462.5625**

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**Subject:** Water Quality TWC - West Channel Field Meeting - June 23, 2016 final meeting notes  
**Date:** Monday, August 15, 2016 11:15:50 AM  
**Attachments:** [2016-06-23 Final West channel flow demonstration TWC notes.pdf](#)

---

Good Morning,

I have attached the final meeting notes from the June 23, 2016 West Channel flow demonstration for your records. These meeting notes will also be published to the Parr website. Thank you, Alison

**Alison Jakupca**  
**Project Regulatory Coordinator**  
**Kleinschmidt**  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



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**Subject:** Parr Shoals Turbine Venting - 2016 Testing Memo  
**Date:** Tuesday, August 16, 2016 1:09:20 PM  
**Attachments:** [2016-08-15 Parr 2016 Turbine Venting Memo to the TWC.docx](#)  
[image001.png](#)

---

Dear Parr Water Quality TWC Member,

SCE&G implemented the proposed Turbine Venting Plan at the Parr Shoals Development from mid-June through the end of July 2016. SCE&G also updated the turbine venting test on Unit 4 after the installation of new bearings. The attached Memo provides information on each of these activities. We will file this memo as part of the consultation record for the Parr Relicense and use the results to improve the proposed Turbine Venting Plan that will be included as part of the Parr Project Final License Application.

Thanks for your continued participation in the relicensing process.

Henry

**Henry Mealing**  
**Fisheries Biologist / Project Manager**  
**Kleinschmidt**  
**204 Caughman Farm Lane**  
**Suite 301**  
**Lexington, SC 29072**  
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**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



**From:** [Alison Jakupca](#)  
**To:** [Kelly Kirven](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congareeriverkeeper.org\)](#); [BRESNAHAN, AMY](#); [btrump@scana.com](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Charlene Coleman \(cheetahtk@yahoo.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Edye Joyner](#); [Erich Miarka \(erich.miarka@gillscreekwatershed.org\)](#); [Frank Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jay Maher](#); [Jeff Carter \(jmcarter00@sc.rr.com\)](#); [Joe Wojcicki](#); [John Fantry \(john@Fantrylaw.com\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Karen Swank Kustafik \(kakustafik@columbiasc.net\)](#); [Lorianne Riggins \(RigginsL@dnr.sc.gov\)](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mark Davis](#); [Merrill McGregor \(merrillm@scccl.org\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Robert Stroud \(StroudR@dnr.sc.gov\)](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Scott Collins \(secollins@scana.com\)](#); [STUTTS, BRANDON G](#); [tboozier@scana.com](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#); [William Hendrix \(HendrixWB@dot.state.sc.us\)](#); [Shane Boring](#); [Stuart Greeter \(sgreeter77@earthlink.net\)](#); [MMosley@scana.com](#)  
**Subject:** Draft Recreation Use and Needs Study Report  
**Date:** Tuesday, August 30, 2016 12:03:40 PM  
**Attachments:** [2016-8-25 Draft RUNS Report - to TWC.docx](#)  
[Appendix A - Parr Recreation Use and Needs Study Plan revised 11-14.pdf](#)  
[Appendix B - 12-09-14 Waterfowl Focus Group Meeting Summary - Final.pdf](#)

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Good Afternoon All,

Attached is the draft Recreation Use and Needs Study Report for your review. There is quite a bit of information in the report to digest, so we would like to hold a TWC meeting towards the end of September or beginning of October to review the draft report. I have put together a doodle poll with several meeting date options. Please vote for your preferred date at the link below by September 9<sup>th</sup>. Thank you and feel free to contact me with any questions. Alison

<http://doodle.com/poll/dfbprnt8523zzkc3>

**Alison Jakupca**  
**Project Regulatory Coordinator**  
***Kleinschmidt***  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)



**From:** [Henry Mealing](#)  
**To:** [Alison Jakupca](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhec.sc.gov\)](#); [Charlene Coleman \(cheetahtk@yahoo.com\)](#); [Chris Johnston \(JohnstonWC@gmail.com\)](#); [Chuck Hightower \(hightocw@dhec.sc.gov\)](#); [David Eargle \(eargleda@dhec.sc.gov\)](#); [Dick Christie \(christied@dnr.sc.gov\)](#); [Frank Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Hal Beard \(BeardH@dnr.sc.gov\)](#); [J. Hagood Hamilton Jr. \(jhamilton@scana.com\)](#); [Jim Glover \(gloverjb@dhec.sc.gov\)](#); [Jon Durham \(jondurham@bellsouth.net\)](#); [Kelly Kirven](#); [Lorianne Rigglin \(RigglinL@dnr.sc.gov\)](#); [Malcolm Leaphart \(mwleapjr@att.net\)](#); [Mel Jenkins \(greenpalmetto@yahoo.com\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [randy mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhec.sc.gov\)](#); [Sam Stokes \(stokess@dnr.sc.gov\)](#); [Scott Castleberry \(castlews@dhec.sc.gov\)](#); [Scott Harder](#); [Shane Boring](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#); [Wayne and Ginny Boland \(wayneboland@bellsouth.net\)](#)  
**Cc:** [Jordan Johnson](#)  
**Subject:** Downstream Flow Fluctuation Meeting notes 08-17-2016  
**Date:** Wednesday, August 31, 2016 3:50:32 PM  
**Attachments:** [2016-08-17 Downstream Flow Meeting notes - draft for RCG Review.doc](#)  
[image003.png](#)  
[image004.png](#)

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Good Afternoon All,

Attached you will find the Downstream Flow Fluctuation Meeting notes from 08-17-2016 for your review. Please look over them and provide your comments to me by September 14, 2016.

Thanks for your continued participation in the Parr Relicense.

Henry

**Henry Mealing**  
**Fisheries Biologist / Project Manager**  
***Kleinschmidt***  
**204 Caughtman Farm Lane**  
**Suite 301**  
**Lexington, SC 29072**  
**706-339-3209**  
**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**



**From:** [Bill Marshall](#)  
**To:** [Shane Boring](#); [Alex Pellett](#); [Alison Jakupca](#); [ARGENTIERI, WILLIAM R](#); [Bill Stangler](#) ([CRK@congariverkeeper.org](#)); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Caleb Gaston](#) ([caleb.gaston@scana.com](#)); [Chad Altman](#) ([altmankc@dhc.sc.gov](#)); [Dick Christie](#) ([dchristie@comporium.net](#)); [Frank Henning](#) ([nps.gov](#)); [Fritz Rohde](#) ([Fritz.Rohde@noaa.gov](#)); [Gerrit Jobsis](#) ([gjobsis@americanrivers.org](#)); [Greg Mixon](#); [Henry Mealing](#); [Karla Reece](#) ([Karla.Reece@noaa.gov](#)); [Kelly Kirven](#); [Kerry Castle](#); [Ley, Amanda](#); [Lorianne Rigg](#); [Pace Wilber](#) ([Pace.Wilber@noaa.gov](#)); [rammarell@scana.com](#); [Randy Mahan](#) ([randolph.mahan@scana.com](#)); [randy mahan](#) ([rmahan@sc.rr.com](#)); [Ron Ahle](#); [Rusty Wenerick](#) ([weneriwr@dhc.sc.gov](#)); [Scott Harder](#); [Steve Summer](#); [STUTTS, BRANDON G](#); [Tom McCoy](#) ([thomas\\_mccoy@fws.gov](#))  
**Subject:** RE: Parr-FF Draft Instream Flow Report  
**Date:** Friday, September 16, 2016 3:22:13 PM  
**Attachments:** [comments on draft IFIM Report August 2016.wpd.doc](#)

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Shane and all,

Please find attached comments on the draft IFIM report provided by Ron Ahle of DNR's Region 3 freshwater fisheries group. We anticipate that these and other comments from TWC members will be addressed as part of the discussions planned for upcoming TWC meeting set for Sept 27. In the meantime please do let us know if you have questions about these comments.

Bill Marshall  
SCDNR  
803-734-9096

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**From:** Shane Boring [mailto:[Shane.Boring@KleinschmidtGroup.com](mailto:Shane.Boring@KleinschmidtGroup.com)]  
**Sent:** Monday, August 08, 2016 4:46 PM  
**To:** Alex Pellett <[PellettC@dnr.sc.gov](mailto:PellettC@dnr.sc.gov)>; Alison Jakupca <[Alison.Jakupca@KleinschmidtGroup.com](mailto:Alison.Jakupca@KleinschmidtGroup.com)>; ARGENTIERI, WILLIAM R <[BARGENTIERI@scana.com](mailto:BARGENTIERI@scana.com)>; Bill Marshall <[MarshallB@dnr.sc.gov](mailto:MarshallB@dnr.sc.gov)>; Bill Stangler ([CRK@congariverkeeper.org](mailto:CRK@congariverkeeper.org)) <[CRK@congariverkeeper.org](mailto:CRK@congariverkeeper.org)>; Brandon Kulik <[Brandon.Kulik@KleinschmidtGroup.com](mailto:Brandon.Kulik@KleinschmidtGroup.com)>; BRESNAHAN, AMY <[Amy.Bresnahan@scana.com](mailto:Amy.Bresnahan@scana.com)>; Caleb Gaston ([caleb.gaston@scana.com](mailto:caleb.gaston@scana.com)) <[caleb.gaston@scana.com](mailto:caleb.gaston@scana.com)>; Chad Altman ([altmankc@dhc.sc.gov](mailto:altmankc@dhc.sc.gov)) <[altmankc@dhc.sc.gov](mailto:altmankc@dhc.sc.gov)>; Dick Christie ([dchristie@comporium.net](mailto:dchristie@comporium.net)) <[dchristie@comporium.net](mailto:dchristie@comporium.net)>; Frank\_Henning@nps.gov; Fritz Rohde ([Fritz.Rohde@noaa.gov](mailto:Fritz.Rohde@noaa.gov)) <[Fritz.Rohde@noaa.gov](mailto:Fritz.Rohde@noaa.gov)>; Gerrit Jobsis ([gjobsis@americanrivers.org](mailto:gjobsis@americanrivers.org)) <[gjobsis@americanrivers.org](mailto:gjobsis@americanrivers.org)>; Greg Mixon <[MixonG@dnr.sc.gov](mailto:MixonG@dnr.sc.gov)>; Henry Mealing <[Henry.Mealing@KleinschmidtGroup.com](mailto:Henry.Mealing@KleinschmidtGroup.com)>; Karla Reece ([Karla.Reece@noaa.gov](mailto:Karla.Reece@noaa.gov)) <[Karla.Reece@noaa.gov](mailto:Karla.Reece@noaa.gov)>; Kelly Kirven <[Kelly.Kirven@KleinschmidtGroup.com](mailto:Kelly.Kirven@KleinschmidtGroup.com)>; Kerry Castle <[CastleK@dnr.sc.gov](mailto:CastleK@dnr.sc.gov)>; Ley, Amanda <[leyah@dhc.sc.gov](mailto:leyah@dhc.sc.gov)>; Lorianne Rigg <[RigginL@dnr.sc.gov](mailto:RigginL@dnr.sc.gov)>; Pace Wilber ([Pace.Wilber@noaa.gov](mailto:Pace.Wilber@noaa.gov)) <[Pace.Wilber@noaa.gov](mailto:Pace.Wilber@noaa.gov)>; rammarell@scana.com; Randy Mahan ([randolph.mahan@scana.com](mailto:randolph.mahan@scana.com)) <[randolph.mahan@scana.com](mailto:randolph.mahan@scana.com)>; randy mahan ([rmahan@sc.rr.com](mailto:rmahan@sc.rr.com)) <[rmahan@sc.rr.com](mailto:rmahan@sc.rr.com)>; Ron Ahle <[AhleR@dnr.sc.gov](mailto:AhleR@dnr.sc.gov)>; Rusty Wenerick ([weneriwr@dhc.sc.gov](mailto:weneriwr@dhc.sc.gov)) <[weneriwr@dhc.sc.gov](mailto:weneriwr@dhc.sc.gov)>; Scott Harder <[HarderS@dnr.sc.gov](mailto:HarderS@dnr.sc.gov)>; Shane Boring <[Shane.Boring@KleinschmidtGroup.com](mailto:Shane.Boring@KleinschmidtGroup.com)>; Steve Summer <[ssummer@scana.com](mailto:ssummer@scana.com)>; STUTTS, BRANDON G <[BSTUTTS@scana.com](mailto:BSTUTTS@scana.com)>; Tom McCoy ([thomas\\_mccoy@fws.gov](mailto:thomas_mccoy@fws.gov)) <[thomas\\_mccoy@fws.gov](mailto:thomas_mccoy@fws.gov)>  
**Subject:** Parr-FF Draft Instream Flow Report

Dear Instream Flow TWC:

Attached for your review is the draft Instream Flow Report for Parr Hydro Project. Please note that this report is intended to be a data report describing the flow/habitat relationships and is not

intended to provide a flow recommendation. You will be receiving a doodle poll shortly for a meeting in mid- to late-September to go through the study results as a group and discuss next steps. Finally, please note that the report appendices will be provided in a separate email due to file size. Thanks to all who participated in development of this study and please don't hesitate to call if we can answer any questions.

**C. Shane Boring**

**Environmental Scientist**

***Kleinschmidt***

**Office: 803.462.5625**

**[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)**

**From:** [Alison Jakupca](#)  
**To:** [Shane Boring](#); [Alex Pellett \(PellettC@dnr.sc.gov\)](#); [ARGENTIERI, WILLIAM R](#); [Bill Marshall \(marshallb@dnr.sc.gov\)](#); [Bill Stangler \(CRK@congariverkeeper.org\)](#); [Brandon Kulik](#); [BRESNAHAN, AMY](#); [Caleb Gaston \(caleb.gaston@scana.com\)](#); [Chad Altman \(altmankc@dhc.sc.gov\)](#); [Dick Christie \(dchristie@comporium.net\)](#); [Frank Henning@nps.gov](#); [Fritz Rohde \(Fritz.Rohde@noaa.gov\)](#); [Gerrit Jobsis \(gjobsis@americanrivers.org\)](#); [Greg Mixon \(mixong@dnr.sc.gov\)](#); [Henry Mealing](#); [Karla Reece \(Karla.Reece@noaa.gov\)](#); [Kelly Kirven](#); [Kerry Castle \(castlek@dnr.sc.gov\)](#); [Ley, Amanda](#); [Lorianne Riggins \(RigginsL@dnr.sc.gov\)](#); [Pace Wilber \(Pace.Wilber@noaa.gov\)](#); [rammarell@scana.com](#); [Randy Mahan \(randolph.mahan@scana.com\)](#); [randy.mahan \(rmahan@sc.rr.com\)](#); [Ron Ahle](#); [Rusty Wenerick \(weneriwr@dhc.sc.gov\)](#); [Scott Harder](#); [STUTTS, BRANDON G](#); [MMosley@scana.com](#); [Tom McCoy \(thomas\\_mccoy@fws.gov\)](#)  
**Subject:** Parr Instream Flow TWC Meeting  
**Date:** Thursday, September 22, 2016 4:14:06 PM

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Hey Folks,

Just a reminder about our Parr IFIM Meeting on September 27, 2016 starting at 9:30 am at the Lake Murray Training Center. We are planning an all-day meeting (lunch provided) so please let us know if you can/cannot come to the meeting by tomorrow. If you cannot attend in person but would like to call in, Bill will have a call in number and WebEx Login available.

Our general agenda is to:

- Review the IFIM Report
- Discuss comments received prior to or during meeting
- Work through the results and start moving towards acceptable flow ranges
- Consider seasonal flow scenarios
- Begin discussion of PM&E framework and next steps

Thank you for your cooperation,

**Alison Jakupca**  
**Project Regulatory Coordinator**  
***Kleinschmidt***  
**Office: 803 462 5628**  
**Mobile: 864 906 4119**  
[www.KleinschmidtGroup.com](http://www.KleinschmidtGroup.com)

