

**Bear River ECC  
Final Meeting Notes  
January 19, 2011**

**ECC Members Present**

Lynn Van Every, Idaho Department of Environmental Quality  
 Arnie Brimmer, Idaho Department of Fish and Game  
 Marv Hoyt, Greater Yellowstone Coalition  
 Charlie Vincent, American Whitewater  
 Mark Stenberg, PacifiCorp  
 Kirk Dahle, Trout Unlimited, by telephone  
 Corey Lyman, US Forest Service, by telephone  
 David Kampwerth, US Fish and Wildlife Service

**Others Present**

Greg Mladenka, Idaho Department of Environmental Quality  
 Cary Myler, US Fish and Wildlife Service  
 Dana Postlewaite, R2  
 Glen Anderson, R2  
 Nathan Higa – PacifiCorp, by phone  
 Wayne Beck, US Forest Service, by phone  
 Steven Smith, Idaho Soil Conservation District  
 Scott Blake, Franklin County Soil and Water Conservation District  
 Frank Shrier, PacifiCorp, by phone  
 Eve Davies, PacifiCorp, by phone  
 Joselin Matkins & Heidi Albano, Sagebrush Steppe Land Trust, afternoon

<b>Commitments Made at the January 19, 2011 ECC Meeting</b>	
All	<ul style="list-style-type: none"> <li>• Submit proposals for 2011 habitat enhancement projects to Stenberg and Hugentobler by Feb. 11.</li> <li>• Review and provide comments on the Annual Report to Hugentobler by Feb 15.</li> </ul>
Stenberg	<ul style="list-style-type: none"> <li>• Schedule a conference call with R2 to provide input on fish passage alternatives. (will take place Fri, Feb 4 at 2 p.m. MST)</li> <li>• Review Liberty Irrigation’s 2010 funding proposal.</li> <li>• Check for possible PacifiCorp study on entrainment/survival of fish from downstream passage.</li> <li>• Request change to fish stranding study – redbreasted sunfish is native.</li> <li>• Get an update on Bailey Creek fencing project.</li> <li>• Rework Oneida Fish Passage press release after contractor is chosen. Track resulting stories.</li> <li>• Take pictures of Old Oregon Trail Road Bridge (Bailey Culvert) (and irrigation diversions)</li> </ul>

Commitments Made at the January 19, 2011 ECC Meeting	
Teuscher	<ul style="list-style-type: none"> <li>Work with Dahle on press coverage of habitat enhancement project (Cub River).</li> </ul>
Dahle	<ul style="list-style-type: none"> <li>Send Cub River fish tracking data to Stenberg.</li> <li>Work with Teuscher on press coverage of habitat enhancement project (Cub River).</li> </ul>
Items in blue have been carried over from previous ECC meetings	

### Decisions Made at This Meeting

- Approve Dahle (Trout Unlimited) as a member of the funding proposal subcommittee.
- Support the purchase of conservation easement insurance for easements funded by the ECC.

### Decisions Made Via Email Since the Last ECC Meeting

- Reimburse Sagebrush Steppe Land Trust for annual monitoring and management costs in the amount of \$9206.44 for conservation easements and fee title properties acquired through the ECC's Land and Water Conservation Fund per the MOA for Land Trust Services.
- Provide habitat enhancement funding in the amount of \$2,415.20 for items beyond the original project scope for the Kackley Fish Trap project.

See Attachment 1 for a complete record of ECC voting on these motions.

### Additions to the Agenda

- Water rights protests - Hoyt

### Project Updates

**Whiskey Creek** – Earth and rockwork is complete. Contouring is done. Planting will take place in spring. Proponent would like to invoice for 80 percent. Laef Wallen has completed the **Williams Creek** project, \$5,000 in funding remains. **Kackley Springs** is complete. **Alleman Diversion** is essentially complete. Both **Bunderson projects** are complete. **Georgetown Hydro** is done. Funding for **Bailey** has been disbursed but there have been no updates. **Cub River Fish Tracking** data will be compiled in next few days. Dahle will forward it to Stenberg.

### Calendar Review

Next deadlines are funding proposals and comments on annual report.

## **Funding Subcommittee Review**

Current subcommittee members: Van Every/Mladenka (IDEQ) , Myler (USFWS), Berglund (BLM), Stenberg/Davies (PacifiCorp), Teuscher/Brimmer (IDFG).

Dahle was approved as a member, replacing Colyer.

## **Replacement of Fish Screen at Liberty Creek**

Wayne Beck (US Forest Service) called in to discuss the replacement of a fish screen on Liberty Creek that had been partially funded by the ECC. Beck said the replacement was needed because the irrigation company is moving to a piped, pressurized irrigation system. The drum screen funded by ECC would no longer work with the new system, he said, so the irrigation company had engineers design a diversion structure that would screen finer sediments. Stenberg asked how the new system would allow fish passage. Beck said the irrigation company had installed a concrete structure that splits the flow in Liberty Creek, allowing 2/10s of the water to flow downstream. The rest will go over the screen (drawing shown as an overhead). He said the new screen has been designed, and installation is in process. Beck said he is on the board of directors for South Liberty Irrigation. The irrigation company is making the change in order to cut irrigation water losses. Myler asked what the irrigation company's water right was. Beck said 27 cfs. Dahle asked whether the new screen was designed to enable maintenance, (i.e., to clean the trash rack). Beck said yes, there is a hole to allow access for cleaning, but it probably will only be needed at high flows.

In regard to the possibility that the ECC would buy the fish screen that was removed, Stenberg said that in order to spend money from grant funds, the ECC must rank the proposal. Stenberg said it will be hard to rank the purchase as a project unless someone has a need for it. Beck asked whether there was any chance the project in progress would be considered for funding this year. It was submitted for consideration in 2010 but was not chosen for funding. Berglund asked what the project's benefit to fish would be over what was in place previously? Beck said not so much the structure but the pipeline will allow for more water to be in the stream during more of the year, especially later in the season. Beck added that the drum screen is a good piece of equipment, and he hates to see it go to waste. Stenberg asked how close the irrigation company was to completing the current project. Beck said it would be substantially complete by February/March. The pipe is about 3/4 installed; the diversion structure is installed, with metal coming. Cleanup will follow after snowmelt. Van Every asked whether, regardless of flow, 20 percent of the water will go downstream. Beck said yes, regardless of flow, but the exact amount may be closer to 16 percent. Van Every asked about screening finer sediment from the pipe. Beck said that was to keep sediment out of nozzles. Van Every asked how fine the sediment removed would go. Beck said down to sand-sized particles. Mladenka asked about the trash rack, specifically, how will it pass fish? Beck said it would sit several inches above a fine screen. Fish will fall through onto the finer screen. Mladenka asked about the size of the slots on trash screen. Beck said 4 inches.

Stenberg suggested waiting to see if anyone needs a screen for this year's projects. Beck asked whether he should resubmit last year's proposal for consideration for 2011. Stenberg said he did not recall why the proposal did not rank well in 2010. He said he would review last year's proposal. Beck said he was willing to help arrange a field trip to the site for the ECC if needed.

### **Conceptual Design for Fish Passage at Oneida - Glen Anderson and Dana Postlewaite, R2**

Anderson and Postlewaite were present for a work session with the ECC on conceptual design of fish passage at Oneida Dam. An agenda for the work session (See Attachment 2) and a set of updated guidelines and goals were distributed to ECC members by email prior to the meeting. Anderson said the site surveys were on track and nothing further was needed to complete that portion of the design. Outstanding information needs include any existing entrainment studies and information on fish species and timing of runs (some have been provided, any more detail?).

#### **Goals and Guidelines**

The group reviewed updates to the project goals and guidelines since the last meeting. Topics included:

- Not just dealing with Bonneville cutthroat trout – discussed trap and haul operations. Shrier asked whether carp would be hauled. Anderson said unless fish were sorted, yes. Mladenka suggested screening as a solution. Postlewaite noted that sorting would impact operation and maintenance costs.
- Incorporated up and downstream passage.
- Water rights issue – need to identify a water source – how to supply water without impacting power generation
- Dam safety – don't do anything that would compromise dam safety
- Water capacity of structure.

Anderson asked that the ECC send any further comments on the guidelines and goals to him.

#### **Fish Passage Design Alternatives**

The group then reviewed passage alternatives. A synopsis of alternatives and a list of pros and cons were distributed to ECC members via email prior to the meeting and were presented via overhead at the meeting. The ECC will have two weeks to consider and provide comments on the design alternatives. A conference call will be scheduled to discuss (February 4, 2-3 p.m., Stenberg will arrange).

#### **Fish Ladder Alternatives**

It was noted that the channel should be designed so that fish keep moving in the ladder rather than taking up residence there (predatory fish in the channel could be a problem). Also, is screening for predatory birds, like pelicans, possible? The group discussed capacity issues – the ladder was designed using specifications for salmon, is that overbuilt for trout? Stenberg noted that the 21 cfs required for operation could be hard for the group to find. Postlewaite asked if

others had seen a trout ladder as high as this one. Group members had not. Postlewaite asked about the orientation of fish that would use the ladder. Whitefish will use the orifice for passage; trout will leap, Dahle said. The group discussed the need to pump cool water and whether to do so at the orifice or at several points along the way. Stenberg said that the final design will need to be affordable. Anderson said passage could be designed for 10 cfs. The group discussed attraction flows/entrances and the design of the drop. Shrier cautioned against incorporating shorter steps, which could inadvertently select for weaker fish. It was noted that trout may require shorter steps, and the group may want to pass other fish that aren't so strong but don't want to make it comfortable for predatory fish. Postlewaite suggested designing the ladder to be as short as possible, because that would amount to less habitat.

### **Ladder issues: (from whiteboard)**

10 cfs-21 cfs

W – 6' -> 4'

H – 6' -> 1'

L – 3000' – 2000'

Ladder length – a function of site and slope

Water source: res vs tailrace

Temp/issue – get data

Qatr = 10/20 cfs ->150 cfs

Bypass reach alignment Q~20cfs

The group discussed including an additional alternative that would reduce the length of the ladder. Anderson will lay it out and provide it to the ECC for review.

### **Trap and Haul System Alternatives**

Trucking fish - Kampwerth asked about fish mortality in trap and haul systems. Shrier said studies have shown less than 1 percent mortality. Postlewaite said a hopper lift, rather than a truck, could be used. This could address issues of snow and whether roads are passable when needed. The cost would be in between the cost of trucking and constructing and operating a ladder. He suggested that a phased approach may be most feasible option: Site and build a trap first, add a ladder later.

Kampwerth said Fish and Wildlife Service will have some considerations, as the fish that will be passed are fairly rare and may be listed in the future. Some smaller fish that have been considered for listing may be involved as well. He said he will be concerned about risks/project planning.

Turbine survival – If upstream passage is provided for adults to spawn, there will be a need to provide adequate downstream passage as well. Stenberg asked Shrier if he was aware of a study that would be useful in estimating turbine survival at Oneida. Stenberg said Twin Lakes had a survival study that might be useful. Postlewaite suggested that another alternative might be switching to fish friendly turbines, which are now more efficient as well. It was agreed to include that as an option for downstream passage.

**Recap (from whiteboard)**

Update report, additional issues from today

Include additional alternatives discussed

Schedule conference call: pros and cons, new alternatives, discussion.

Gets through phase 4

Schedule a call in next week or two

Receive alternatives memo, costs

**Land Trust Updates**

<Closed Session>

**Attachment 1 – Record of Email Voting Since the Last ECC Meeting**

**Email Vote by the Bear River ECC  
Sagebrush Steppe Land Trust Funding Invoice  
December 17, 2010**

**Date:** Fri, 17 Dec 2010 09:08:41 -0800 [12/17/2010 10:08:41 AM MST]  
**From:** "Stenberg, Mark" <Mark.Stenberg@PacifiCorp.com>  
**To:** Blaine Newman <blaine\_newman@blm.gov>, Charlie Vincent <charliev@xmission.com>, "David Kampwerth (David\_Kampwerth@fws.gov)" <David\_Kampwerth@fws.gov>, "Hunter Osborne (hosborne@sbtribes.com)" <hosborne@sbtribes.com>, Kevin Lewis <kevin@idahorivers.org>, "Kirk Dahle (kdahle@tu.org)" <kdahle@tu.org>, "Lee W. Mabey (lmabey@fs.fed.us)" <lmabey@fs.fed.us>, Lynn Van Every <Lynn.Vanevery@deq.idaho.gov>, Marv Hoyt <mhoyt@greateryellowstone.org>, "Rick Just (rick.just@idpr.idaho.gov)" <rick.just@idpr.idaho.gov>, "Susan\_Rosebrough@nps.gov" <Susan\_Rosebrough@nps.gov>, "Teuscher,David" <david.teuscher@idfg.idaho.gov>  
**Cc:** "Davies, Eve" <Eve.Davies@PacifiCorp.com>, Joselin Matkins <joselin.matkins@sagebrushlandtrust.org>, Miriam Hugentobler <yazoo@xmission.com>  
**Subject:** FW: funding invoice  
**Part(s):** 2 SSRLT\_funding request Invoice\_12 17 2010.doc [application/msword] 39 KB  
[Download All Attachments \(in .zip file\)](#)  
**Headers:** [Show All Headers](#)

Dear ECC Members,

Joselin and I have finished our annual review of monitoring and management costs for conservation easements and fee title properties that we have acquired through the Land and Water Conservation Fund. Per our MOA for Land Trust Services we are to reimburse the Land Trust for these annual expenses. I've attached the invoice for your review and approval. Please respond in the affirmative to this email. If you want to see the details I will send you the spreadsheets with the expenses for your review. I didn't want to send out the spreadsheets to everyone and fill up your inboxes with them. Feel free to call me or Joselin if you have any questions about the amounts or activities conducted. Please include Miriam on your response so she can keep track of our responses.

Happy Holidays,

Mark Stenberg  
PacifiCorp Energy  
208 547-7305



# Sagebrush Steppe Regional Land Trust

November 30, 2010

Mark Stenberg  
Program Manager  
822 Grace Power Plant RD  
Grace, Idaho 83241

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Brent R. Nichols

Sagebrush Steppe  
Regional Land Trust is a  
private, nonprofit  
501(c)(3)  
charitable organization  
incorporated in 2004.

Federal Tax Identification  
Number: 82-6192501.

Working to protect and  
enhance our quality of  
life, now and for future  
generations, through  
conservation of natural  
and working landscapes  
in Southeastern Idaho.

PO Box 1404  
Pocatello, Idaho 83204  
(208) 241-4662  
www.sagebrushlandtrust  
.org

Dear Mark,

This letter is a request for payment in the amount of:

### Conservation Easements

#### 2010 Outstanding Monitoring Costs

- Henderson Preserve – \$36 (received reimbursement in 2009 for majority of projected expenses)
- Harris and Cove - \$1,055.00

#### 2011 Projected Monitoring Costs

- Henderson Preserve - \$1,050.00
- Harris and Cove - \$1,100.00

**Conservation Easement Monitoring = \$3,241.00**

### Fee Title Properties

#### 2010 Outstanding Management Costs

- Kackley Preserve - \$0 (received reimbursement)
- Deep Creek Preserve - \$1,883.44

#### 2011 Projected Management Costs

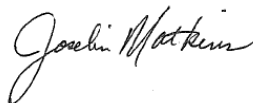
- Kackley Preserve - \$2,082.00
- Deep Creek Preserve - \$2000.00

**Fee Title Property Management = \$5965.44**

**INVOICE TOTAL = \$9206.44**

Detailed summaries of the payments are on the attached spreadsheets. If you have any questions, please feel free to contact me.

Sincerely,



Joselin Matkins  
Executive Director

**Results of ECC Member Voting  
Sagebrush Steppe Land Trust Funding Invoice  
Email Query by Stenberg  
December 17, 2010**

<b>Vote</b>	<b>Name</b>	<b>Organization</b>
yes	Mabey	USFS
yes	Dahle	Trout Unlimited
yes	Van Every	IDEQ
yes	Lewis	Idaho Rivers United
yes	Just	Idaho Parks and Rec
	Teuscher	Idaho Fish and Game
	Berglund	BLM
	Osborne	Sho-Bans
	Rosebrough	National Park Service
	Vincent	American Whitewater
yes	Hoyt	Greater Yellowstone
yes	Stenberg	PacifiCorp
	Myler	USFWS

**Email Vote by the Bear River ECC  
Kackley Fish Trap Extras  
December 21, 2010**

**Date:** Tue, 21 Dec 2010 11:52:13 -0800 [12/21/2010 12:52:13 PM MST]  
**From:** "Stenberg, Mark" <Mark.Stenberg@PacifiCorp.com>  
**To:** Blaine Newman <blaine\_newman@blm.gov>, Charlie Vincent <charliev@xmission.com>, "David Kampwerth (David\_Kampwerth@fws.gov)" <David\_Kampwerth@fws.gov>, "Hunter Osborne (hosborne@sbtribes.com)" <hosborne@sbtribes.com>, Kevin Lewis <kevin@idahorivers.org>, "Kirk Dahle (kdahle@tu.org)" <kdahle@tu.org>, "Lee W. Mabey (lmabey@fs.fed.us)" <lmabey@fs.fed.us>, Lynn Van Every <Lynn.Vanevery@deq.idaho.gov>, Marv Hoyt <mhoyt@greateryellowstone.org>, "Rick Just (rick.just@idpr.idaho.gov)" <rick.just@idpr.idaho.gov>, "Susan\_Rosebrough@nps.gov" <Susan\_Rosebrough@nps.gov>, "Teuscher,David" <david.teuscher@idfg.idaho.gov>  
**Cc:** "Davies, Eve" <Eve.Davies@PacifiCorp.com>, Miriam Hugentobler <yazoo@xmission.com>  
**Subject:** Kackley Fish Trap "Extras" Need your approval  
**Part(s):** 2 PC210726.JPG [image/jpeg] 269 KB  
 3 PC210727.JPG [image/jpeg] 268 KB  
[Download All Attachments \(in .zip file\)](#)

Hello Everyone, we ran over budget by \$2,415.20 and I need your approval to expend this additional amount from the Habitat Enhancement Fund to close out the project. See break out below for total project. Please include Miriam in your reply. (Pictures are about 80% of full flow) Thanks, Mark Stenberg 208 547-7305

ECC Funding

Original Grant Approval	\$20,000.00
Additional Grant Approval	\$13,500.00

Contracts

R2 Consultants		
Engineering		(\$13,000.00)
Partner Steel		
Fabrication		(\$14,274.00)
Tax*		(\$880.20)
Shop Weld Section 2 & 3*		(\$396.00)
KCA		
Install Trap/Barrier		(\$6,200.00)
Silt Fence*		(\$210.00)
2 Ecology Blocks*		(\$455.00)
Field Welding		
Labor & Materials		(\$500.00)
Current Project Balance		(\$2,415.20)

\*Extras not included in bid scope.

**Results of ECC Member Voting  
Kackley Fish Trap Extras  
Email Query by Stenberg  
December 21, 2010**

<b>Vote</b>	<b>Name</b>	<b>Organization</b>
	Mabey	USFS
yes	Dahle	Trout Unlimited
yes	Van Every	IDEQ
yes	Lewis	Idaho Rivers United
yes	Just	Idaho Parks and Rec
yes	Teuscher	Idaho Fish and Game
yes	Berglund	BLM
yes	Osborne	Sho-Bans
	Rosebrough	National Park Service
	Vincent	American Whitewater
yes	Hoyt	Greater Yellowstone
yes	Stenberg	PacifiCorp
	Myler	USFWS

## **Attachment 2 – Oneida Fish Passage Work Session with R2 Consultants**

- Work Session Agenda

**ECC Meeting Agenda  
Conceptual Design for Fish Passage at Oneida**

**January 19, 2011**

**Time Slot: 9:30 AM – 12:00 PM MST**

**Meeting Location: Pocatello, ID**

Purpose:

- Review Action Items from last meeting
- Review Changes to Oneida Guidelines and Goals Document
- Review Site Survey Information
- Review Conceptual Upstream Passage Alternatives
- Review Conceptual Downstream Passage Alternatives
- Review Next Steps

**1) Introductions (9:30 – 9:40)**

- a) Introductions & attendance
- b) Review meeting purpose and agenda

**2) Review Action Items (9:40 – 9:50)**

**3) Review Site Survey Data and Base Drawings (9:50 – 10:00)**

- a) Overall plan
- b) Enlarged site plan with survey data

**4) Present Updated Guidelines and Goals Memorandum (10:00 – 10:15)**

- a) Review changes to document
- b) Confirm information is complete or identify further actions

**5) Review Conceptual Upstream Passage Alternatives (10:15– 11:00)**

- a) Review drawings and characteristics
- b) Compare alternatives
- c) Initial feedback on recommendations

**6) Review Conceptual Downstream Passage Alternatives (11:00– 11:45)**

- a) Review drawings and characteristics
- b) Compare alternatives
- c) Initial feedback on recommendations

**7) Next Steps (11:45-12:00)**

a) Review schedule & deliverables:

i) Alternatives Memo

(1) R2 to update alternatives, develop constructed project cost estimates, and transmit Alternatives Memo by 2/28.

(2) ECC members to provide comments on Alternatives Memo by 3/14

ii) Conceptual Design Report (CDR)

(1) R2 to update memo with comments, and produce CDR by 3/31

(2) ECC members to provide comments on CDR by 4/14

iii) R2 Address comments, finalize CDR and transmit by 5/5/11

b) Assign any Action Items for next meeting.