Joint General Member and Steering Committee Meeting
Location: Stayton Community Center; 400 Virginia Ave; Stayton, OR
Date: January 14, 2009
Time: 7:00 to 9:00 PM

Attendance:
Role Call for Quorum: John Caruso (Chair, Marion County Citizen), Suzette Boudreaux (Economic), Mike Kroon (Natural Resources), Tom Fencl (Middle Sub-Basin), Bill Sanderson (Economic), Bruce Rogers (City of Salem),

General: Darren Cross, Scott Eden, Ronn Beven, Greg Taylor, Bob Lusk, Heather Slocum, Dani Aleshire

Contractors: Elizabeth (Liz) Redon, Sarah Dyrdahl, and Pamela Archer

7:00 PM Steering Committee Meeting Called to Order

Meeting Call to Order—Review Mission
Role Call for Quorum: Quorum established
Public Comment and Announcements:
—Marion SWCD has plant sale, March 12-13, (Friday-Saturday_ Marion Garden 3160 Center St NE, Salem, OR
—NRCS thanks NSWC staff for doing a good job recruiting landowners for CREP and other pograms
Approval of Minutes: Members reviewed minutes for December 2009. Suzette Bourdreaux motioned, Mike Kroon seconded.
Decision: Minutes for December 2009 approved.

7:15 PM Presentation: Willamette BIOP (Biological Opinion) Update, Greg Taylor, Willamette Rogue Projects, US Army Corps of Engineers

Interim temperature control

- Interim temperature control is performed as part of ESA consultation, where the permanent requirement to improve water temps by 2018. In the interim, must operate dam to control temperatures in the short term.
- Water temperatures below the dam are much cooler in summer than the water above the dam. Autumn temperatures below the dam are much warmer than normal temperatures during salmon rearing time. Water in the reservoir stratifies during the warm summers and cool water from bottom of reservoir is being released. A turnover occurs in the reservoir and water mixes, water released is therefore warmer than normal, producing elevated temperatures downstream. *An interim, non-permanent fix is to release water from different elevations in the reservoir* (i.e. mix top water and middle water). There are some limitations to this technique during fall when reservoir gets drawn down at the end of summer.
- Were able to replicate temperatures in 2009 until first part of August (when gate failure at dam occurred). *Spring Chinook reacted to this change in temperatures—fish moved downstream away from cold water once it was released in the summer.*
- Incubated and monitored growth of spring Chinook salmon emerging from gravel
    - ½ group of fish incubated above dam—after one month are still eggs

- ½ group below dam. Eggs below dam are fully formed fry after one month. Salmon will come out of gravel much earlier, develop too quickly. Current dam regime causes early fish development.

Downstream passage

- Study objectives: Determine direct survival and injury of juvenile salmon upon passage thru the primary passage routs: spillway (pipe/waterslide), turbines, regulating outlets (RO's).
- "Fish type #1" Balloon tag placed on fish, fish released in various dam spots. Balloons eventually fill with air and fish are brought to surface to evaluate injuries. Can assess mortality/survival for various passageways. Used 1500 balloon tag fish.
- "Fish type #2" Sensor fish, which is a plastic fish which contains a set of computer chips, similar to a crash test dummy. Sensor fish go through same results. Fish is "taking data" on its journey, whether it strikes the dam, various forces, or experiences changes in pressure.
- Balloon fish tell us mortality, sensor fish tells us why. All passageways caused fish some serious injuries.

- Bottom line: 48 hour juvenile fish survival for Detroit Dam:
  - Survival highest, RO 94.4% at 5.0 ft opening at RO **BEST**
  - Survival moderate, 80.6 and 84.0% for spillbays 3 and 6 at 1.5 ft opening
  - Survival between 63.6 and 72.0% for remaining spillbay and RO
  - Lowest survival, 54.1% for turbine
- With a high head and Frances turbine design, this rate of mortality/injury is to be expected. Columbia projects have lower heads and different turbine design, with fewer mortalities/injuries.
- The larger opening had a lower passage survival in the spillway
- Must look at combined passage rates for one fish across all rivers/dams.
- Instream flow studies:

Minto fish collection facility

- Minto Fish Facility will be redone by 2012 with new fish facility. Will be rebuilt for improved trap and haul (is not currently built for that), via truck.

Instream flow studies

- Want to identify relationship between arriver flow and habitat conditions for spring Chinook salmon and winter steelhead adult passage, adult holding, spawning and juvenile rearing below dams in the North Santiam.
- Will complete:
  - Physical habitat modeling and reporting,
  - Schedule,
  - Phase I assessment
  - Phase II Assessment.

7:45 PM Web page review and comments

- Pages
- About the council: General questions that Liz usually gets during/after presentations
- About the watershed
- Contact us
- For council members

  - Where the "business" of the watershed takes place, meeting materials
  - Change name to "council members"
- For landowners: Resources—try to specifically target what we post, not trying to post everything possible, but
- Projects : Examples of what we're doing
- Next: list of projects, photos,
  - Make hyperlinks blue
  - Put on the website that we are a non-governmental organization, community based

8:30 PM <u>Progress Reports</u>-

Treasurer:
- Budget on back of minutes.

Operations:
- Liz is mostly working on grants, Stayton riverfront, Snake Deford, fish passage inventory.
- Erika submitted a report on the future ground plantings.
- Pam is on track with deliverables and created NSWC outreach directory.
- Sarah has been calling Bear Branch residents, moved on to valentine creek. People have a lot of questions about the council and express concerns that the council is the government. This process helps address misconceptions and people are generally appreciative to learn about the council and have the opportunity to voice their concerns. She hopes to finish valentine phone calls next week, but surveys won't happen for a few weeks yet. Most people say they are interested in but aren't coming to council meetings; we are hoping they will come to their local community meetings. Hopefully these will be held at a local landowner's house.

Projects:
- **Snake Deford**: Tom says the logs stayed in place even with mild high water. River Design Group (RDG) did the inventory for restoration opportunities. There will be a community meeting once the results are available and have community members attend. Report anticipated this spring.
- **Stout**: Liz used RDG report to build OWEB proposal for first mile of creek. Received high OWEB ranking so far. If funded, will be working there in summer 2010 with Heritage Seedling.
- **Hatch/Greenwoods**: John Tucker is pushing forward with the bridge project, we're on track to do the greenwoods crossing which is the final piece of the project. Planting maintenance will also occur
- **Mad creek**: ODOT culvert replacement funded through OWEB monies. Have agreement through ODOT. Waiting for NOAA fisheries to sign off on biological opinion. May happen in summer 2011
- **Jefferson Oaks Savanna:** planting will be first week of March with Heritage Seedling
- **Weed inventory and control**: MSWCD and other partners will have presentation in April on results from mainstem inventory near Detroit down to Valentine Creek. Have funding through USFS Title II Grant partnership with Weed Control District, who will perform the treatment.
- **Water Supply Planning**: Oregon Consensus/City of Salem have the interim report, moving forward with interviews, meeting in February.
- **Cold Creek:** OWEB grant proposal submitted by 4/19. NRCS has done some engineering,

coming together.

- **Upper Bennett Dam:** looking to secure more funding and partners, perhaps Steelheaders.

8:40 PM **Other Business** –none

Tom Fencl reported on attending the recent Council on Forest Engineering, where an alternative culvert replacement technique was presenting on relining culvert without replacing it which increases the capacity of the culvert without replacing it. Tom has the information available if needed.

Next month, CREP revolving fund agreements will be presented by Liz and Erika.

8:40 PM **Meeting Adjourned**