

**WATER HATCHERY MANAGEMENT
TEAM MEETING
ODFW HQ
WEDNESDAY MAY 14, 2014
FINAL MEETING NOTES**

Attendance List

Dave Leonhardt – USACE
Bob Wertheimer– USACE
Chris Walker – USACE
Cam Sharpe – ODFW
Greg Grenbemer – ODFW
Brett Boyd – ODFW
John Thorpe – ODFW
Tom Friesen’ – ODFW
Dan Peck – ODFW
Ryan Harnish – PNNL
Geoff McMichael – PNNL

Finalized results from this meeting:

- April meeting minutes approved along with comments provided by Cameron Sharpe
- Adult fish disposition table updated for MFW and finalized
- RM&E spreadsheet finalized (with edits by Dave Leonhardt)
- Adult Release site commission plan
- Steelhead workgroup will reconvene next month (July?)

Action Items

[Feb 14] Wild steelhead brood surrogates. **ACTION:** The RM&E team will discuss wild steelhead brood on 27 February. The discussion will be about taking brood from Minto or Foster. **STATUS: Complete at Minto, it was decided that this would not be performed at Foster. This action item is complete.**

[Feb 14] Willamette/Dexter. **ACTION:** Revisit scale of out-planting by examining different levels and different return rates and how those numbers affect the power analysis. **STATUS: Resolved as there will be large outplant numbers increasing statistical power.**

[Mar 14] Research spreadsheet. **ACTION:** Sharpe will list equipment needed at traps, what we have on-hand, and what is needed. **STATUS: Sharpe listed equipment that was needed and was added to the spreadsheet (5 PIT tag wands). This spreadsheet should be final and posted to the website.**

[Apr 14] Horn Creek weir/outplanting. **ACTION:** Sharpe will get a plan on paper and send to the HMT.

[Apr 14] Adult release site commissioning. **ACTION:** Hatchery managers will send availability to Leonhardt. Leonhardt will send the schedule to all of HMT. **Complete. Commissioning will commence Wednesday, 5/21.**

[Apr 14] **Steelhead Workgroup. ACTION:** Wertheimer will contact Marx and schedule a date with HMT. **Complete. Marx does not want to commence this group until next year.**

[May 14] **Steelhead Workgroup. ACTION:** Corps will contact Marx and schedule this to occur at or after the next HMT to look at available data and put together a plan for this workgroup. The Corps will need to do this regardless while developing the summer steelhead HGMP.

[May 14] **TDG issue below Big Cliff. ACTION:** Greg Grenbemer will follow up with Lance Kruzic and Elise Kelley for concurrence or their recommendations for fish disposition while TDG is high.

Hatcheries Program Updates

Marion Forks – Juvenile fish size a little behind at Marion Forks because of cold water.

Minto Fish Facility – 157 StW collected, 4 fallbacks, 19 StS, 1 ChS (hatchery), diffusers in pre-sort pool clogged and lifted, larger holes were drilled and diffusers were securely attached, diffuser cleaning will need to be added to O&M manual.

Discussion of TDG issue below Big Cliff Dam and where to place fish during periods when gas is elevated. All flow being spilled because of a unit outage, a full pool, and rain events is causing elevated TDG. TDG is not an issue at Minto because gas dissipates. There is a TDG RM&E concept paper for the Santiam's for FY15. Decision to hold spring Chinook until gas levels drop. **Action:** Greg Grenbemer will follow up with Lance Kruzic and Elise Kelley for concurrence or their recommendations for fish disposition while TDG is high. Status?

South Santiam – StS only fish onsite and were just ponded, ChS are still at Willamette that will eventually be transferred back to SS hatchery. ODFW is working on adult holding pond to use for rearing.

Foster Fish Facility – collected 195 StW, 58 ChS unmarked released at Riverbend, 129 StS have been collected.

McKenzie – Cogswell Creek water supply pipe broke, EWEB is excavating since more than likely broke by movement of their heavy equipment across the line. Cameron Sharpe plans to examine CWT groups that were reared in raceways more influenced by Cogswell Creek water than those that were not to look at effectiveness of imprinting. Thorpe suggested eggs could be incubated in Cogswell Creek water and may help imprinting. He also mentioned there may be an inexpensive way to increase attraction flow through the ladder at the hatchery by inserting a metal weir that would increase water velocity. Cameron Sharpe plans on using additional space at McKenzie hatchery to do density studies.

Willamette/Dexter – scheduled to open Dexter Trap on Monday (5/19), there aren't any fingerlings onsite because they are behind on marking at Willamette Hatchery, fingerlings may help attract adults, there is a coordination meeting for the RM&E (Dexter trap outplanting) scheduled.

Fish Health – No update

Trap RM&E/Operations spreadsheet

This spreadsheet was reviewed by the team line by line. Dave Leonhardt emphasized the importance that both facility managers and researchers review the spreadsheet so coordination, RM&E, and operations are aligned.

NS - See final spreadsheet.

SS - determine how antibiotics would be used if unmarked ChS will be held if it is a bad water year. This is an **Action Item** for Brett Boyd. See final spreadsheet.

McK - See final spreadsheet.

MFW - See final spreadsheet. Disposition table change for MFW. Changes were made at the meeting by Dave Leonhardt and final should be posted to the web.

Steelhead RM&E Update

Geoff McMichael is leaving PNNL. Ryan Harnish will take over the project.

RT Study – Juvenile Summer Steelhead So Santiam:

35 fish remained at hatchery, out of 165 fish 149 were detected, 135 fish were detected 2x within 30 seconds which is one of the detection criteria, 92 were detected within the Santiam system, 25% or 34 fish were detected at Willamette Falls, most were below the falls. Tag burden for this year's study was < 3%. Last year tag burden was higher, smaller fish remained in hatchery, this year fish that left or remained at the hatchery were of similar size.

Sharpe mentioned that they observed upstream migration of juveniles for off-station releases of StS, potential predation issues.

Adult Release Sites Update (refer to commissioning document)

Commissioning will begin on May 21. The team brainstormed about potential equipment needs during commissioning. The question was asked if we use live fish at certain sites. It was suggested we could use a couple of clipped Chinook where feasible. ODFW will bring some equipment for commissioning. Greg Grenbemer will bring a pump if tempering for water temperature is required.

Steelhead Workgroup

The summer steelhead workgroup is referenced in both RPA 6.1.9 and PA 3.4.10.2. This group will likely reconvene on or after the next HMT meeting. There is a need to examine existing and latest data, determine data gaps, and outline a path forward. Cameron Sharpe suggested an agenda item for the next HMT or workgroup meeting to discuss steelhead spawning surveys, winter steelhead distribution and abundance. Tom Friesen/Bob Wertheimer suggested pulling prior RM&E proposals and concepts to aid the discussion.
