

PUGET SOUND RECREATIONAL FISHERIES ENHANCEMENT OVERSIGHT  
COMMITTEE MINUTES

JUNE 20, 2011

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| MEETING CALLED BY | Clint Muns  |
| TYPE OF MEETING   | Advisory Oversight Committee  |
| FACILITATOR       | Clint Muns  |
| NOTE TAKER        | Colleen Desselle  |
| ATTENDEES         | Jon Lee, Dave Croonquist, Mike Gilchrist, Norm Rinehardt, Don Freeman, Rich Eltrich, Matt Parnel, Dave Puki, and Pete Naylor, Steve Thiesfeld, Tara Livingood |

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| Agenda Topics |  |  |
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| DISCUSSION | <b>Lingcod Update</b> |
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There has not been much mobile tracking, but we have been doing egg collections. I have a photo of a lingcod eating an octopus, and another photo with a slash in a diver's glove from a lingcod trying to eat it. Twenty percent of the egg mass has been collected. We have been rearing them in bags/nets instead of tanks. Rearing in bags/nets is a problem because they are in net pens and are susceptible to wild species or harmful algae blooms getting in. Could have cannibalism as we can't see them well. In 2008-09 we tried land-based rearing, but they wall-nose; they eat, but do not grow, and eventually die. We have found a break-through in land-base tanks: tanks with white bottom and black sides show improvement in rearing, no wall-nosing, and they eat and grow; high survival of 25-30%; there is less labor; better control; less variation; and better, more predictable yield.

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| CONCLUSIONS |  |
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Will continue the use of white/black tanks. We have a manuscript in progress for peer-reviewed journal.

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| ACTION ITEMS | PERSON RESPONSIBLE | DEADLINE |
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| We are continuing to raise Lingcod and working on manuscript. | NOAA – Jon Lee | Release in July 2012 |
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| DISCUSSION | Minutes |
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Minutes for February and May 2011 were passed out at the meeting.

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| CONCLUSIONS |  |
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Read and provide any comments to Colleen

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| ACTION ITEMS | PERSON RESPONSIBLE | DEADLINE |
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| Provide comments | All | September 30, 2011 |
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| DISCUSSION | Biennium Update |
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Reserve. OFM, hopefully, will be good with our balance. Monthly expenditures for whole program.

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| CONCLUSIONS |  |
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| ACTION ITEMS | PERSON RESPONSIBLE | DEADLINE |
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| DISCUSSION | Expenditures for remainder of biennium (projection) |
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Order went out for Jon's tags for the lingcod; he received them last week. General State dollars is encumbered. Rick's Pond is +\$17,000. He has not signed the contract. About \$23,000 for indirect Chambers, Lakewood, and Garrison. Looking at from a recreational point of view spending money on something that does not prove itself very useful to recreational fishery (Lake Washington).

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| CONCLUSIONS |  |
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Overall have done well in tightening the budget. Would like an update from someone on Lake Washington.

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| ACTION ITEMS | PERSON RESPONSIBLE | DEADLINE |
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| DISCUSSION   | Next Biennium            |          |
| No discussion. There is not enough information for the Fish Program to make a decision.  |                          |          |
| CONCLUSIONS  |                          |          |
| ACTION ITEMS   | PERSON RESPONSIBLE       | DEADLINE |
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| DISCUSSION   | Production Sub-Committee |          |
| <p>A Sub-Committee was formed at the last meeting to address facilities issues and constraints. On May 31, three met to discuss how to facilitate. What to do to support and address changes? What to ask hatchery managers. Early June they visited a few hatcheries. Discussed issues which present bottleneck to survival of production. Minter Creek also has yearling production. Cut at Percival Cove. Minter has warm water in summer which causes loss of fish from BKD. It seemed to get better, but broke out again. Last year ponded 160,000 fry. Prophylactic treatment was provided. It lasted 10 days. Warmwater broke out with BKD. We let it ride. Two week feronculosis treatment was provided, and they broke again. When released from pond figure at least ¼ will die because of bloating, along with precocious males without kidneys. We need to figure out something/need funds for yearlings. Send eyed-eggs to Garrison in summer, bring back when cooler in November? Probably should work well. Asking Commission to approve a slight change in plans. This will put a serious demand at Garrison. How to resolve? Little choke points to work out and understand.</p> <p>First recommendation is to get on the same page internally. If summer at Garrison, the problem goes away, but how to make it happen? How does Minter Creek fit with hatchery reform? Have to ship eggs as eyed-eggs, out of quarantine could be green eggs. It could be squeaked through. We can stagger. If moving eyed-eggs, is that going to be a problem with HSRG? Other issue is sub-yearlings at Minter Creek. Until we can solve the disease problem, it is hard to put money into the program. What do we need to support the sub-yearling program? Sub-yearlings do really well at Minter Creek. Need 1 million plus sub-yearlings. About \$44,000 pays for FTE, marking, food, + \$6,000. Yearling - \$67,000/year. Sub-yearling...How will this help with the black mouth fishery? It is thought three sub-yearling to one yearling to get same for the buck for recreational harvest. Need to maintain increased angler days on water. Putting band aids on the problem rather than fixing it. What to do and what will it cost? Coho are okay, this is a problem for Chinook. Icy Creek, Skykomish does well – not the water problem. Icy could double [production] if had more funding. Can this be a factor?</p> <p>What programs are contributing versus which are not. For those that are not, what is the bottleneck? About \$66,000 to Minter already has the Director's buy-off. Getting approval to raise the sub-yearlings at Minter Creek is year-to-year. Steve is to confer with Ron and Randy on this.</p> <p>Are you asking if this group supports the sub-yearling program? Yes. Do any of the tribes have facilities that can help us? What other facilities can be used to raise these fish? Deschutes has loss of personnel. They do a lot of processing; have Crowder system, identify CWT tags with less people power. Squaxin Tribe helps when needed.</p> <p>Ventral clips cause higher mortalities. It is believed that it was a 1-time program from a biologist for the vent clips. Not a standard program.</p> |                          |          |
| CONCLUSIONS  |                          |          |
| ACTION ITEMS   | PERSON RESPONSIBLE       | DEADLINE |
| Continue visiting facilities to find out where all the problems are; get the big picture. Keep in mind Hatchery Reform issues.   | Sub-committee            |          |

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| DISCUSSION  |  | Production Update  |          |
| <p>Jim Jenkins states the 2009 brood is completed. Went over spreadsheet for each program with numbers and pounds planted. Next Tuesday night a boat will be launched at Chambers Bay to plant June jumbos. ~99% will be released. Garrison Springs vandalism - due to lack of presence. Someone tossed a bottle of chlorine into the jumbo pond at Garrison killing 10-15 thousand jumbos. Release numbers are likely to be around 80-85 thousand.</p> <p>Glenwood released Chinook first of June. Exceeded goal for this year. Had a later Broodstock collection than normal along with a cold winter. Had to push the fish a bit this spring and extra food to get them to size. Considered a moderate increase in temp. Out original recreational money to help. We will see where it goes.</p> |  |                    |          |
| CONCLUSIONS   |  |                    |          |
| ACTION ITEMS  |  | PERSON RESPONSIBLE | DEADLINE |
| Publishing report.  |  |                    | Fall     |

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| DISCUSSION   |  | Legislative Tasks  |          |
| <p>New legislation put upon us to identify goals. How do we measure increased opportunities? We need to list goals and objectives. How do we measure success of this program? We were to produce three million blackmouth. Have not done it yet.</p> <ul style="list-style-type: none"> <li>• Angler success. Ultimate measure is are we selling more licenses? Providing more angler hours? Creel count.</li> <li>• In addition to licenses sales, any expansion of fishing opportunity will give an easier visual to see. One problem is that fish license sales are declining. May provide all fishing, but may not increase license sales.</li> <li>• Punch cards – marine salmon combined wi...Area 9/10 fishery when opened to track number of beaches in Area 9. Very small amount of effort which occurs.</li> <li>• License sales maintain status quo currently and encourage others. If maintain, we have success. In terms of recreational opportunity, what do our fish do? They support more than recreational fisheries; they are sacrificed to other environmental factors such as sea lions, etc. Look at all factors which are quantifiable. What other fisheries can we promote in lieu of others not available right now?</li> </ul> <p>We need the new statues and need to read them. Need to see what the needs are and it will help us understand what our goals should be. Measure on a rolling 5-year average. Need to look at the process of angler days, licenses sales, and harvest numbers. Baseline. We are trying to get people on the water. What we are doing is producing fish to do this. Not getting funding from freshwater licenses other than Lake Washington.</p> <p>So many factors affecting our fisheries. Goal may be just hanging on to what we already have. How to maintain at same level? Decline less than other programs? Tell the public what we are doing. Have some science to say these fish were from this facility and this is how they have affected the fisheries because of PSRFE.</p> <ul style="list-style-type: none"> <li>• Education and marketing – not many know what is being done with their money. One of the items discussed is to have a full-time coordinator to promote what we are doing. Tara will take on this aspect with the current position she is in.</li> <li>• Read legislation.</li> <li>• Devote time to narrow down the needs.</li> <li>• Allow input from public.</li> <li>• Consider goals, objectives, and mission statement. Define and provide methods to obtain.</li> </ul> |  |                    |          |
| CONCLUSIONS  |  |                    |          |
| ACTION ITEMS   |  | PERSON RESPONSIBLE | DEADLINE |
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| DISCUSSION  | Public Input   |                   |
| <p>Two comments: 1) production survival budget – if fish are not surviving, you need to find out why. Has anyone looked into health of krill and herring?</p> <p>2) angler success – about 300-400,000 difference in one year. Yes, when first started it was for blackmouth. Where are they?</p> <p>Research and monitoring of forage fish. Believe that there is research on the sand lance, etc.</p> |  |                   |
| CONCLUSIONS   |  |                   |
| ACTION ITEMS  | PERSON RESPONSIBLE   | DEADLINE          |
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| DISCUSSION  | Next Meeting   |                   |
| CONCLUSIONS   |  |                   |
| Tara will do a Doodle Poll for the first week of October to meet at Wallace Hatchery.   |  |                   |
| ACTION ITEMS  | PERSON RESPONSIBLE   | DEADLINE          |
| Doodle Poll   | Tara Livingood   | September 2, 2011 |
| OBSERVERS   | Dorothy Rinehardt, David Pike, Larry Madden, Jim Jenkins, Scott Moore, and Michael Schmidt |                   |
| RESOURCE PERSONS  | Steve Thiesfeld, Tara Livingood, and Colleen Desselle                                      |                   |
| SPECIAL NOTES   | Absent: Dave Knutzen   |                   |