



Memorandum

OREGON DEPARTMENT OF FISH AND WILDLIFE UMPQUA WATERSHED DISTRICT

Date: November 2, 2004

To: Files

From: Dave Loomis

Subj: Predicted Fishery at Diamond Lake under Revised FEIS Alternatives (#1-5)

Sherri Chambers, Diamond Lake IDT Leader for the USFS Diamond Lake Restoration Project informed ODFW on November 1, 2004 that the IDT Team had decided to modify alternative 4 and also expand the timeline under each alternative (#1-5) to include 7 years (instead of 6) plus a contingency plan for an additional 5 years if chub are present in the lake at that time. This assumes that chub would be at “discoverable levels” under the proposed monitoring plan under Alternative #2, #3, and #5, or at current levels under Alternative #1, or some “significantly reduced” level under alternative #4.

Possible alternatives for future actions at Diamond Lake now include Alternative #5 and a modified #4 as part of an effort to incorporate public comments in recent weeks, I based the following predicted fishery levels as a result of the revised stocking numbers and restoration plans. Economic cost/benefits estimates related to these predictions can be used as needed for further review and analysis for the FEIS.

Predicted Effort and Catch by Anglers at Diamond Lake under FEIS Alternatives (#1 - #5)

Alternative 1 (No Action / Legal-size trout)

	<u>Angler Trips</u>	<u>Trout Catch</u>
2005	20,000	20,000
2006	10,000	10,000
2007	10,000	10,000
2008	10,000	10,000
2009	10,000	10,000
2010	10,000	10,000
2011	10,000	10,000
2012-2016	10,000	10,000

GRAND TOTAL FOR 12 YEARS: 130,000 Angler Trips. Assumes no contingency plan.

Alternative 2 (Proposed Action /Rotenone+ fingerlings/catchable-size trout)

	<u>Angler Trips</u>	<u>Trout Catch</u>
2005	20,000	20,000
2006	5,000	5,000
2007	25,000	30,000
2008	60,000	100,000
2009	80,000	200,000
2010	100,000	200,000
2011	100,000	200,000

Alternative 2 Contingency Plan

	<u>Angler Trips</u>	<u>Trout Catch</u>
2012	100,000	200,000
2013	90,000	180,000
2014	80,000	160,000
2015	68,000	110,000
2016	55,000	85,000

2005-2011 Total: 390,000 angler trips

2012-2016 Total: 393,000 angler trips

GRAND TOTAL FOR 12 YEARS: 783,000 Angler Trips

Alternative 3 (Rotenone + Put & Take trout)

	<u>Angler Trips</u>	<u>Trout Catch</u>
2005	20,000	20,000
2006	5,000	5,000
2007	30,000	40,000
2008	60,000	80,000
2009	70,000	120,000
2010	80,000	160,000
2011	80,000	160,000

Alternative 3 Contingency Plan

	<u>Angler Trips</u>	<u>Trout Catch</u>
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2012	80,000	160,000
2013	55,000	70,000
2014	55,000	30,000
2015	55,000	30,000
2016	55,000	30,000

2005-2011 Total: 345,000 angler trips

2012-2016 Total: 300,000 angler trips

GRAND TOTAL FOR 12 YEARS: 645,000 Angler Trips

Alternative 4 (Modified Mechanical/Biological Plan)

	<u>Angler Trips</u>	<u>Trout Catch</u>
2005	20,000	20,000
2006	35,000	35,000
2007	55,000	55,000
2008	55,000	55,000
2009	55,000	60,000
2010	55,000	72,000
2011	55,000	72,000

Note. Alternative assumes a disrupted fishery with all of the netting in the lake, so therefore, the effort would flatten out at about 55,000 trips, but catch would increase in last 2 years.

Alternative 4 Contingency Plan

	<u>Angler Trips</u>	<u>Trout Catch</u>
2012	55,000	77,000
2013	55,000	77,000
2014	55,000	85,000
2015	55,000	85,000
2016	55,000	85,000

2005-2011 Total: 330,000 angler trips

2012-2016 Total: 275,000 angler trips

GRAND TOTAL FOR 12 YEARS: 605,000 Angler Trips

Alternative 5 (Modified Rotenone and Stocking Plan)

Angler	Trout
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	<u>Trips</u>	<u>Catch</u>
2005	20,000	20,000
2006	5,000	5,000
2007	25,000	30,000
2008	60,000	100,000
2009	80,000	200,000
2010	100,000	200,000
2011	100,000	200,000

Alternative 5 Contingency Plan

	<u>Angler Trips</u>	<u>Trout Catch</u>
2012	100,000	200,000
2013	90,000	180,000
2014	80,000	160,000
2015	68,000	110,000
2016	55,000	85,000

2005-2011 Total: 390,000 angler trips

2012-2016 Total: 393,000 angler trips

GRAND TOTAL FOR 12 YEARS: 783,000 Angler Trips