

# Draft Conservation Planning Tasks

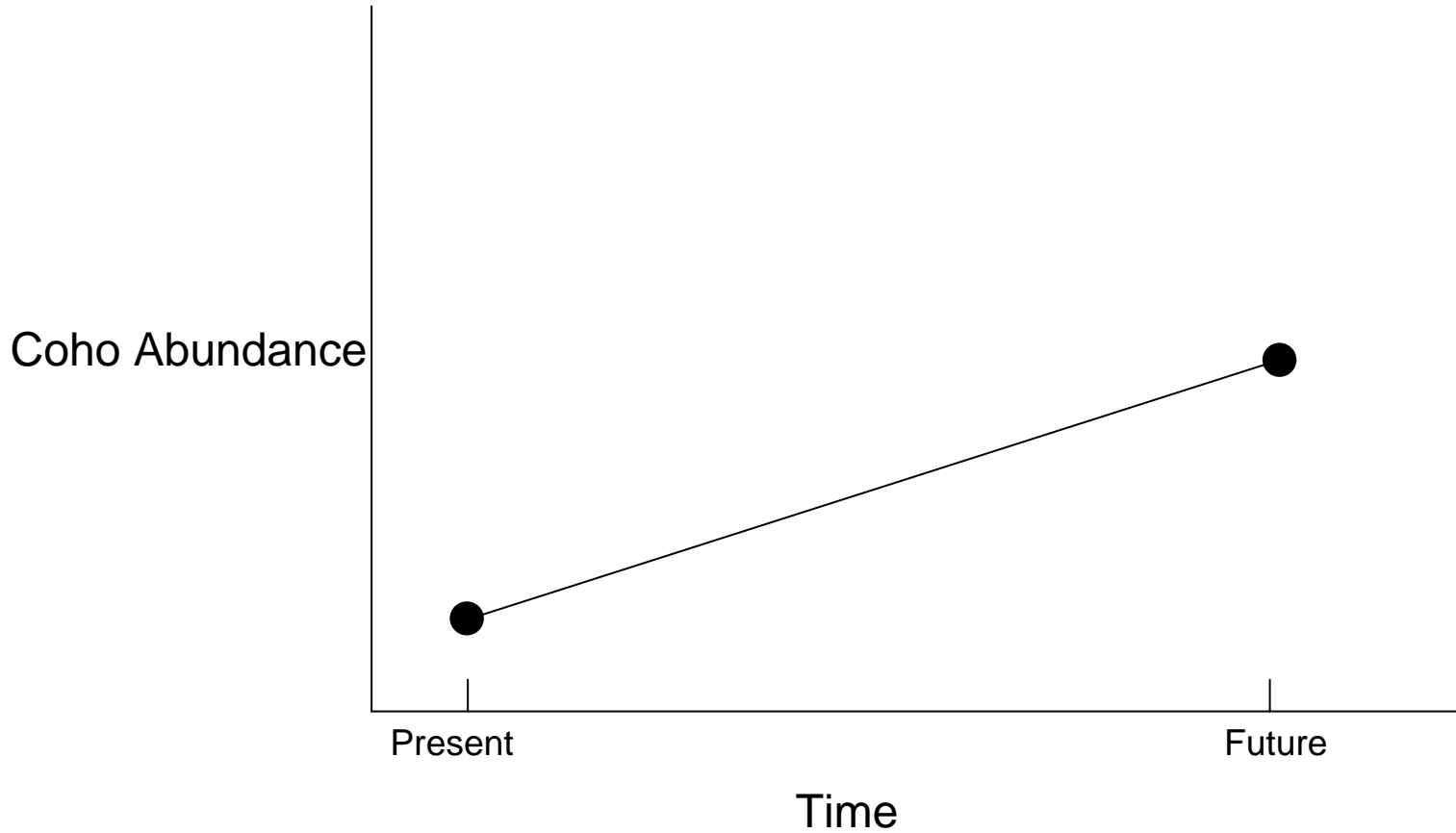
1. Desired Status/Management Strategies
2. Management Scenario
3. Conservation Level
4. Adaptive Management Plan
5. Research, Monitoring and Evaluation Needs
6. Costs and Time Estimate
7. Complete Conservation Plan draft.
8. Stakeholder Team Review
9. Facilitator Report
10. Public Meetings around the ESU
11. Plan Revisions
12. Submit Conservation Plan to NOAA
13. OFW Commission adoption of conservation plan.

Population	Criterion 1 (Abundance) (+)	Criterion 2 (Productivity) (1.1)	Criterion 3 (Persistence) (0.050)	Criterion 4 (Distribution) (50%)	Criterion 5 (Diversity) (600)	Combined <sup>c</sup>
Necanicum	+76	1.25	0.002	100%	777	Pass
Nehalem	+149	-- <sup>a</sup>	<b>0.081</b>	80%	2926	Fail
Tillamook	<b>-61</b>	<b>1.03</b>	<b>0.156</b>	100%	721	Fail
Nestucca	+259	1.59	0.001	100%	2850	Pass
Salmon	<b>-130</b>	<b>0.80</b>	<b>1.000</b>	<b>0%</b>	<b>1</b>	Fail
Siletz	<b>-387</b>	<b>0.74</b>	<b>0.251</b>	100%	<b>401</b>	Fail
Yaquina	+1589	5.59	0.005	100%	2591	Pass+
Beaver	+652	5.55 <sup>b</sup>	0.000	100%	1389	Pass+
Alsea	<b>-209</b>	<b>0.61</b>	0.028	100%	1505	Fail
Siuslaw	+1351	1.51 <sup>b</sup>	0.000	100%	10320	Pass+
Low Umpqua	+4013	12.91 <sup>b</sup>	0.000	100%	10219	Pass+
Mid Umpqua	+1820	-- <sup>a</sup>	0.000	100%	4477	Pass+
N. Umpqua	+726	-- <sup>a</sup>	<b>0.137</b>	n.a.	<b>252</b>	Fail
S. Umpqua	+1731	7.46 <sup>b</sup>	0.000	70%	3319	Pass+
Siltcoos	+2958	-- <sup>a</sup>	0.000	100%	5448	Pass+
Tahkenitch	+1859	-- <sup>a</sup>	0.000	100%	2786	Pass+
Tenmile	+5065	12.43 <sup>b</sup>	0.000	100%	14891	Pass+
Coos	+7774	-- <sup>a</sup>	0.000	100%	15241	Pass+
Coquille	+4687	1.17 <sup>b</sup>	0.000	83%	12439	Pass
Floras	+909	-- <sup>a</sup>	0.000	100%	1110	Pass
Sixes	<b>-83</b>	1.71	<b>0.994</b>	100%	<b>2</b>	Fail

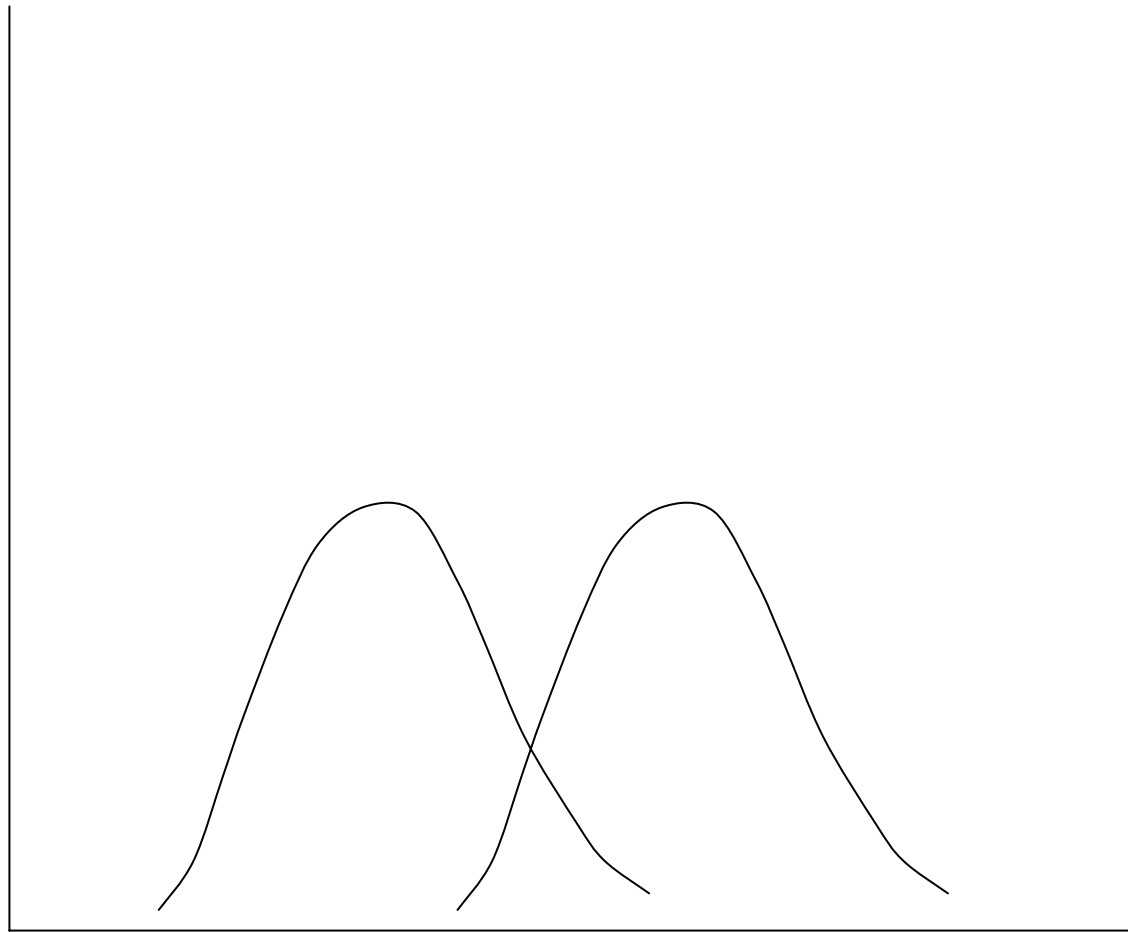
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# Desired Status



Frequency



Coho Abundance

TABLE 3-3. Allowable fishery impact rate criteria for OCN coho stock components.

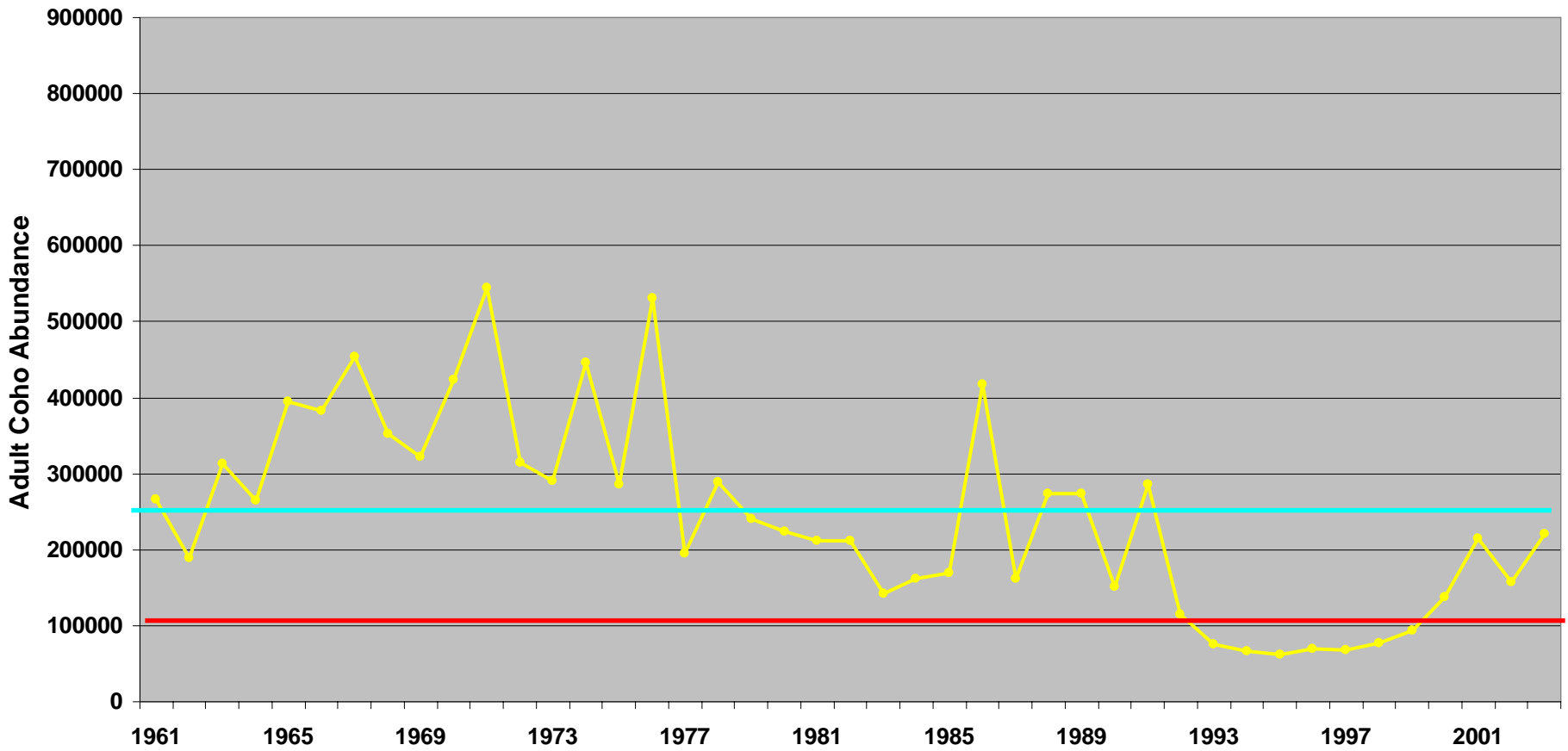
		MARINE SURVIVAL INDEX (based on return of jacks per hatchery smolt)			
		Low (<0.0009)	Medium (0.0009 to 0.0034)	High (>0.0034)	
PARENT SPAWNER STATUS		Allowable Total Fishery Impact Rate			
<b>High:</b>	Parent spawners achieved Level #2 rebuilding criteria; grandparent spawners achieved Level #1	• 45%	• 80% <sup>a/</sup>	• 85% <sup>a/</sup>	
<b>Medium:</b>	Parent spawners achieved Level #1 or greater rebuilding criteria	• 45%	• 20% <sup>a/</sup>	• 25% <sup>a/</sup>	
<b>Low:</b>	Parent spawners less than Level #1 rebuilding criteria	• 45%	• 45%	• 45%	
		• 40-13% <sup>b/</sup>			
OCN Coho Spawners by Stock Component					
Rebuilding Criteria	Northern	North-Central	South-Central	Southern	Total
Full Seeding at Low Marine Survival:	21,700	55,000	50,000	5,400	132,100
Level #2 (75% of full seeding):	16,400	41,300	37,500	4,100	99,300
Level #1 (50% of full seeding):	10,900	27,500	25,000	2,700	66,100
38% of Level #1 (19% of full seeding):	4,100	10,500	9,500	1,000	25,100
Stock Component (Boundaries)	Full Seeding of Major Basins at Low Marine Survival (Number of Adult Spawners)				
<b>Northern:</b> (Necanicum River to Neskowin Creek)	Nehalem	Tillamook	Nestucca	Ocean Tribs.	
	17,500	2,000	1,800	400	
<b>North-Central:</b> (Salmon River to Siuslaw River)	Siletz	Yaquina	Alsea	Siuslaw	Ocean Tribs.
	4,300	7,100	15,100	22,800	5,700
<b>South-Central:</b> (Siltcoos River to Sixes River)	Umpqua	Coos	Coquille	Coastal Lakes	
	29,400	7,200	5,400	8,000	
<b>Southern:</b> (Elk River to Winchuck River)	Rogue				
	5,400				

a/ When a stock component achieves a medium or high parent spawner status under a medium or high marine survival

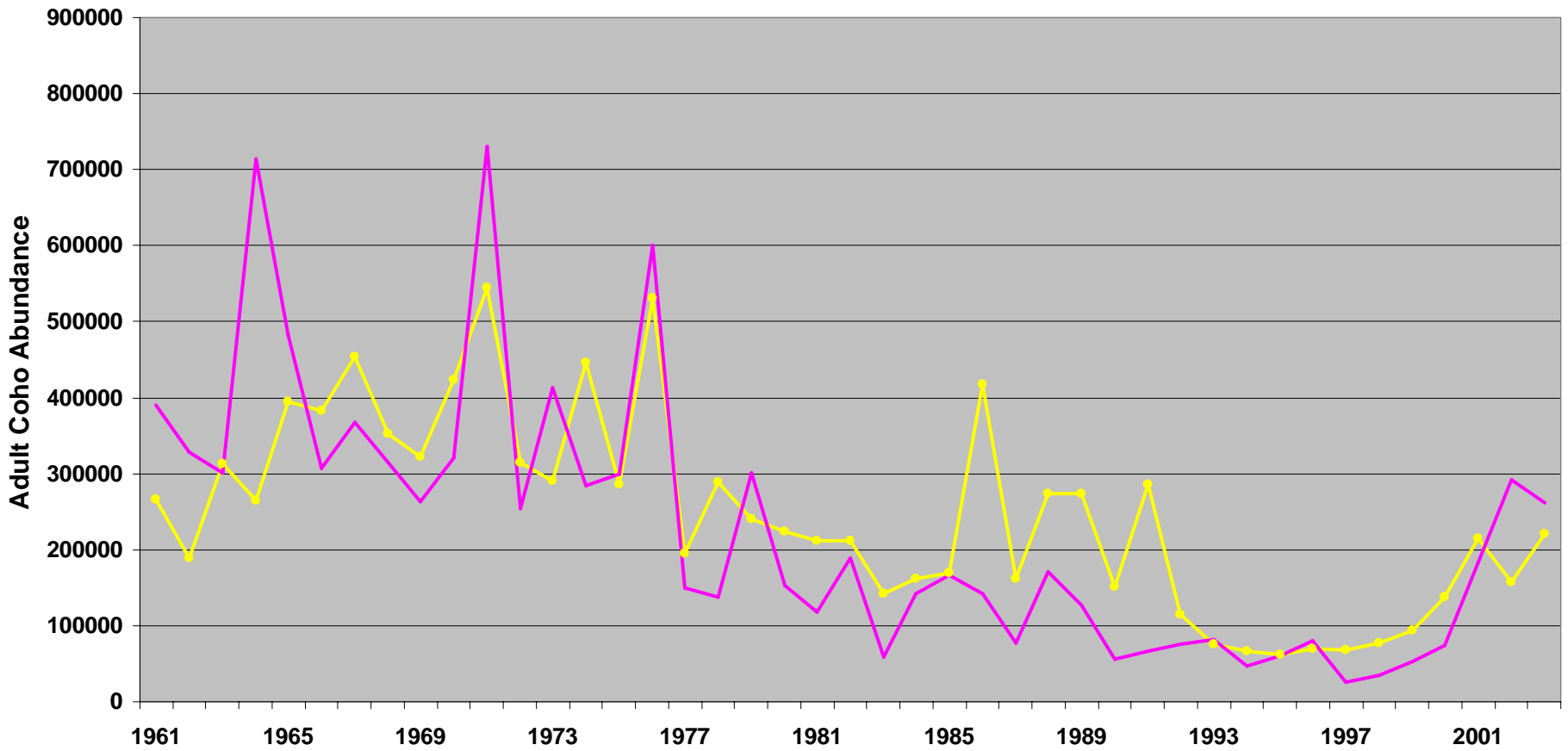
Population	Life Cycle Survival Relative to 1958 – 2000 Average											
	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.50	2.00
Necanicum	1.00	1.00	1.00	0.98	0.80	0.40	0.14	0.03	0.00	0.00	0.00	0.00
Nehalem	1.00	1.00	1.00	1.00	0.99	0.89	0.65	0.42	0.19	0.10	0.00	0.00
Tillamook	1.00	1.00	1.00	1.00	0.99	0.89	0.72	0.47	0.25	0.15	0.00	0.00
Nestucca	1.00	1.00	0.98	0.76	0.37	0.15	0.04	0.00	0.00	0.00	0.00	0.00
Salmon	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Siletz	1.00	1.00	1.00	1.00	1.00	0.98	0.86	0.63	0.43	0.23	0.00	0.00
Yaquina	1.00	1.00	0.98	0.79	0.47	0.25	0.10	0.04	0.02	0.01	0.00	0.00
Beaver	1.00	1.00	0.73	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alsea	1.00	1.00	1.00	1.00	0.98	0.82	0.58	0.28	0.11	0.03	0.00	0.00
Siuslaw	1.00	1.00	0.93	0.53	0.19	0.05	0.02	0.00	0.00	0.00	0.00	0.00
LoUmpqua	1.00	1.00	0.66	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MidUmpqua	1.00	0.97	0.16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NUmpqua	1.00	1.00	1.00	1.00	0.99	0.92	0.73	0.48	0.26	0.11	0.00	0.00
SUmpqua	1.00	1.00	0.85	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siltcoos	1.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tahkenitch	1.00	0.73	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tenmile	1.00	1.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coos	1.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coquille	1.00	1.00	0.92	0.27	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Floras	1.00	1.00	1.00	0.64	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sixes	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.24	0.01



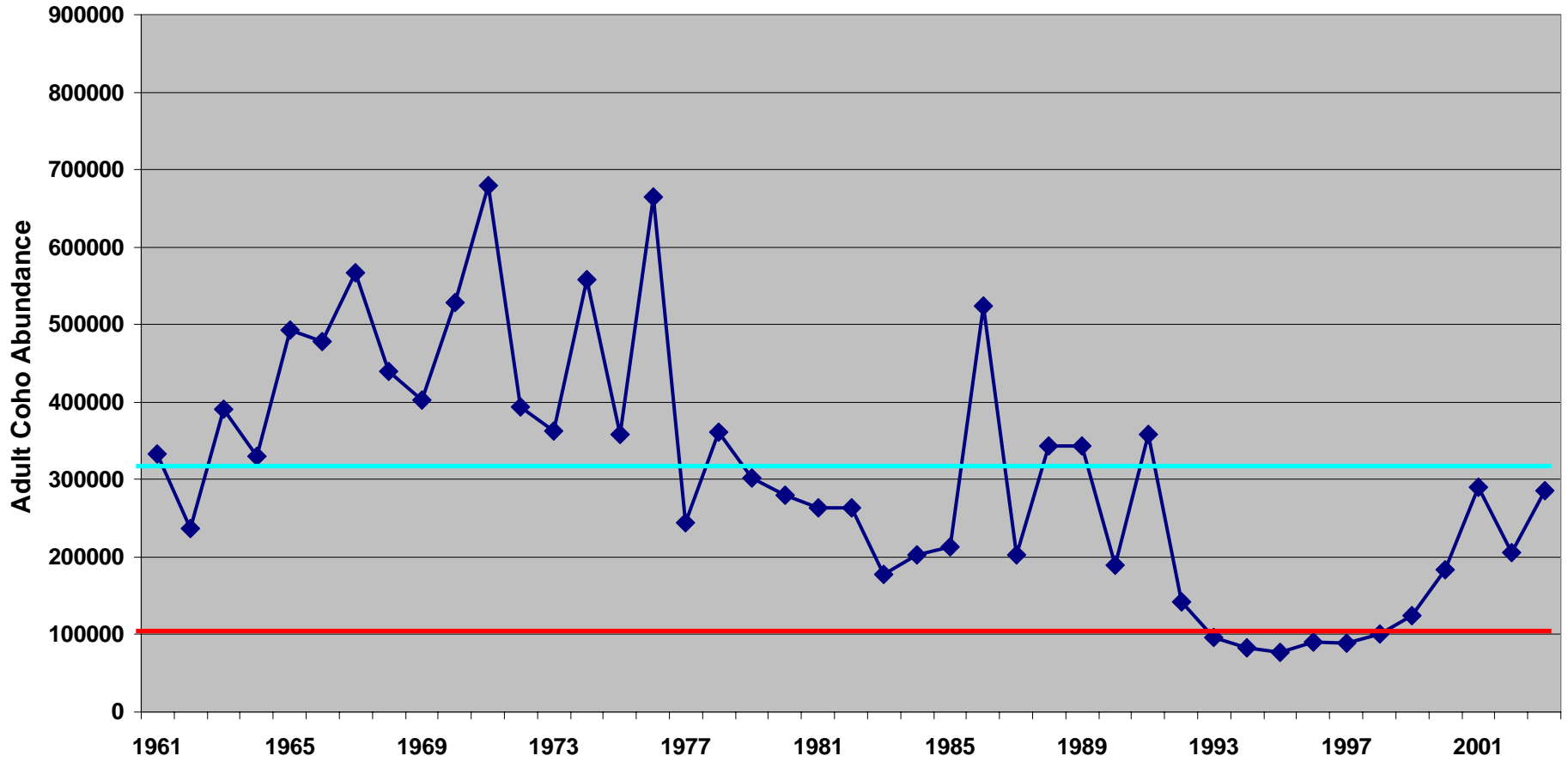
## Current Potential



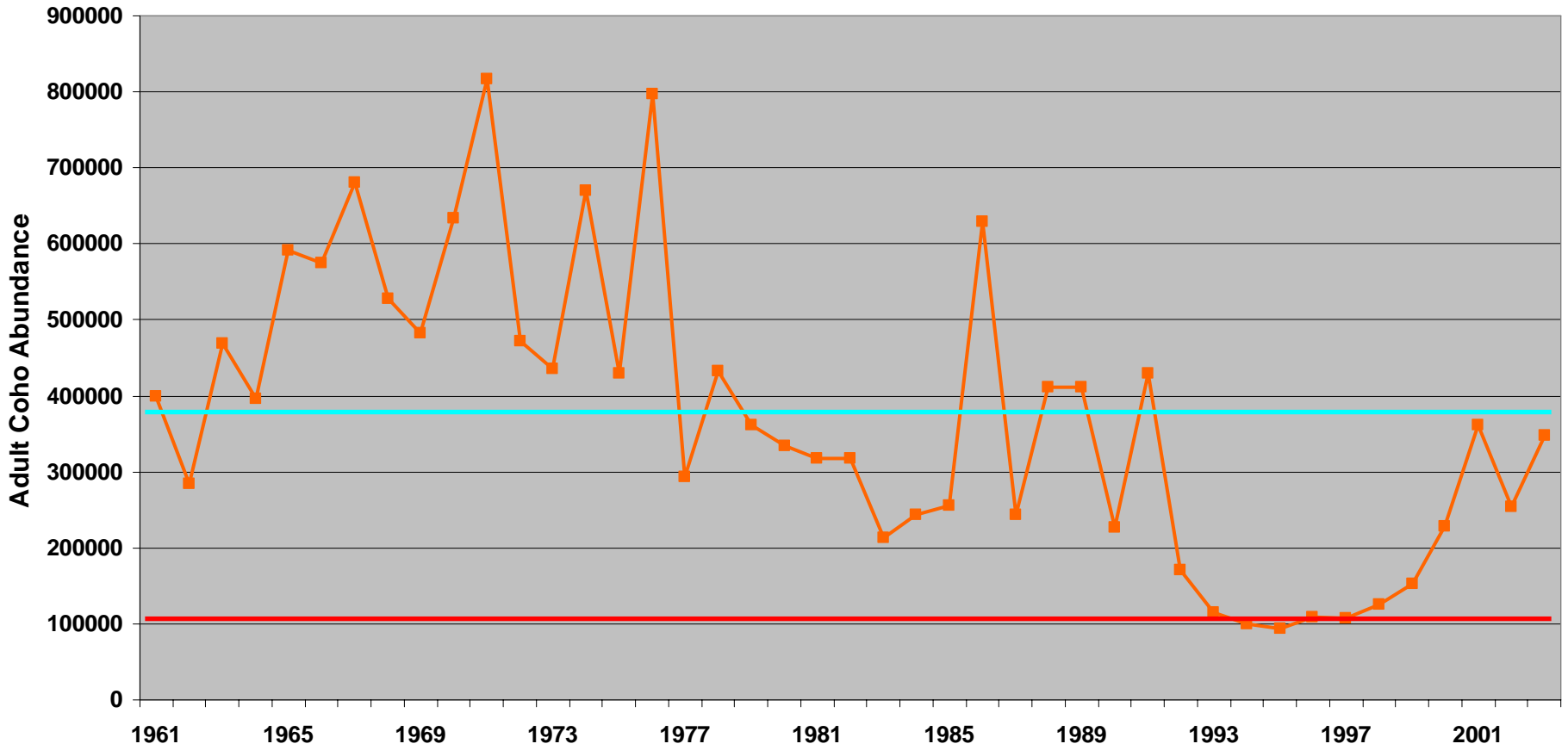
# Modeled vs Estimated

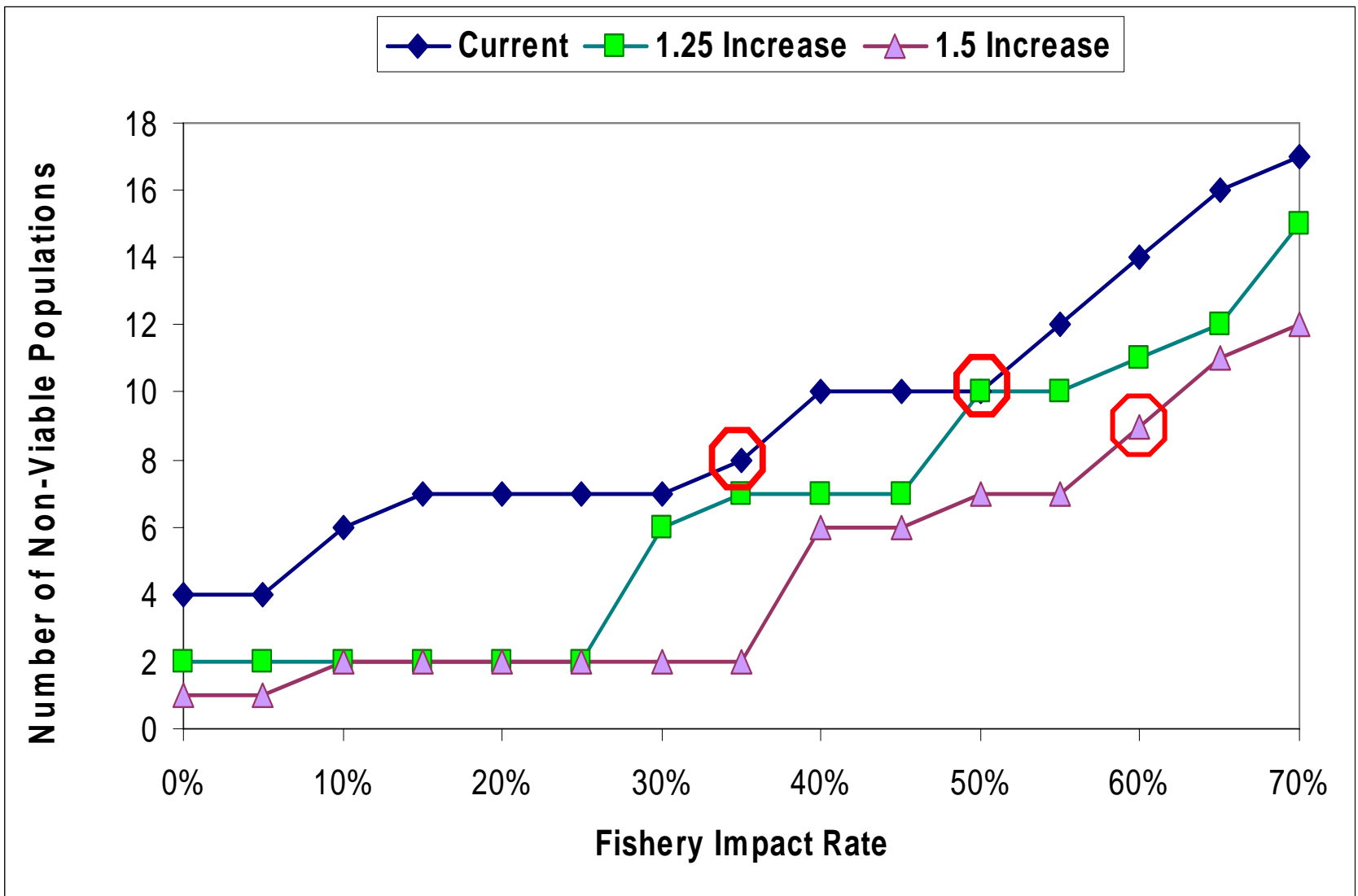


## 25% Higher Survival



# 50% Higher Survival





<b>Population Unit</b>	<b>Total Miles</b>	<b>High Intrinsic Potential Miles</b>	<b>Current High Quality Miles (&gt; 0.3 fish/m<sup>2</sup>)</b>	<b>Total Smolts (All Habitat)</b>	<b>Total Smolts (High Quality Habitat)</b>	<b>Adults from High Quality Habitat (3% Marine Survival)</b>
Alesea	378	123	46	535,474	108,784	3,264
Beaver	36	24	18	54,654	40,604	1,218
Coos	412	182	85	815,422	467,636	14,029
Coquille	541	275	72	617,918	129,569	3,887
Floras	71	67	13	82,346	0	0
Lower Umpqua	535	231	61	722,006	137,878	4,136
Middlle Umpqua	523	318	35	399,169	105,591	3,168
Necanicum	71	7	3	65,498	12,844	385
Nehalem	665	355	95	1,043,877	244,570	7,337
Nestucca	204	65	11	231,173	22,070	662
North Umpqua	178	85	10	113,824	16,131	484
Salmon	55	16	2	68,580	9,068	272
Siletz	251	96	27	285,257	89,182	2,675
Siuslaw	759	380	168	1,013,033	327,643	9,829
Sixes	61	19	0	99,277	0	0
South Umpqua	741	383	20	410,717	50,051	1,502
Tillamook	365	130	11	525,830	45,741	1,372
Yaquina	246	146	57	477,688	225,182	6,755

<b>Total</b>	<b>6,092</b>	<b>2,901</b>	<b>733</b>	<b>7,561,742</b>	<b>2,032,544</b>	<b>60,976</b>
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