

RECLAMATION

Managing Water in the West

Basin Study Habitat Subcommittee

Preliminary EDT Results

September 9, 2010



U.S. Department of the Interior
Bureau of Reclamation

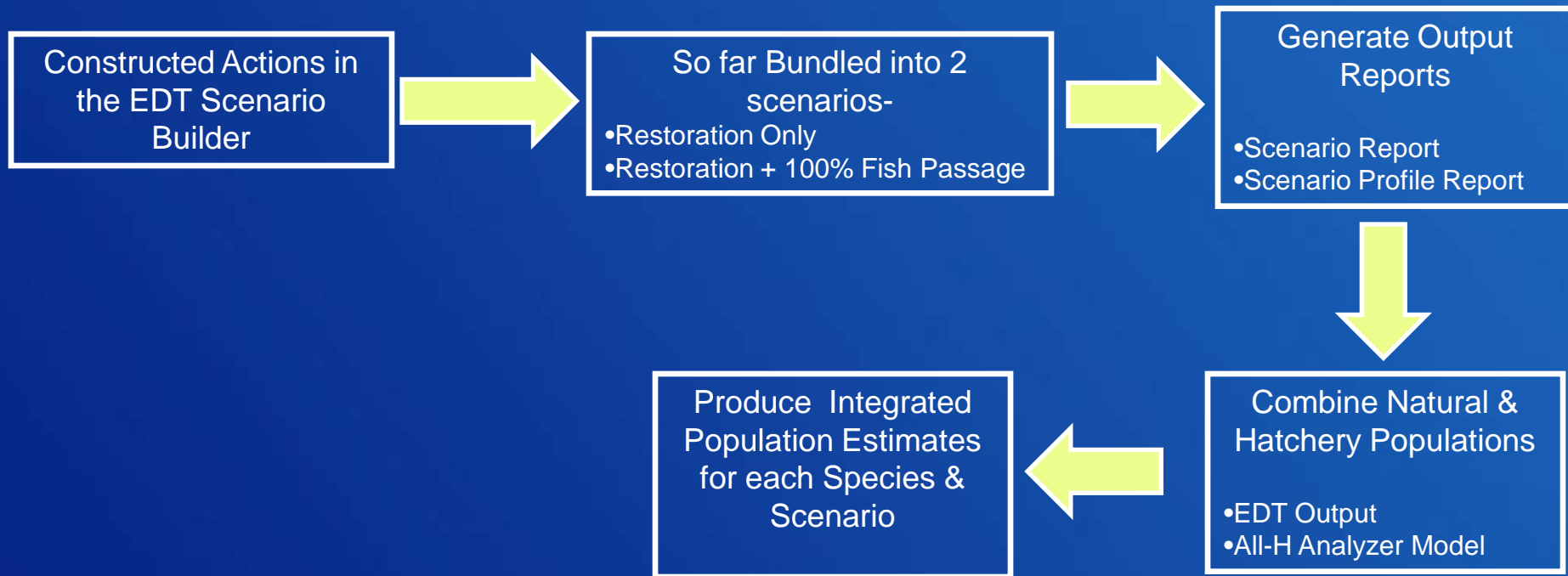
Recap of the Modeling Work Flow



Effectiveness Categories

- Low potential = heavy permanent infrastructure (15%)
- Medium = Mixed ownership, agricultural/rural (30%, 50% & 70%)
- High = Predominately Public lands, relatively intact (85%)

Recap of the Modeling Work Flow Continued



Spring Chinook Restoration Only (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Ahtanum	22	270	1.2	1.3
Naches	1135	★ 4671	2.5	4.9
American	250	577	3.4	4.8
Up. Yakima	3988	★ 10428	3.0	4.6

Spring Chinook Restoration + 100% Passage (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Ahtanum	22	270	1.2	1.9
Naches	1135	★ 5414	2.5	4.8
American	250	577	3.4	4.8
Up. Yakima	3988	★ 11666	3.0	4.5

Naches = 16%+
Upper Yakima = 12%+

Spring Chinook Storage Study Results (without harvest)

Population	Abundance No Action	Abundance Wymer	Abundance Black Rock
Naches	1155	1160	1508
American	293	291	376
Upper Yakima	3417	3493	4192

Fall Chinook

Restoration Only (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Marion Drain	179	394	2.0	2.4
Low. Yakima	9480	15274	3.0	3.2

Fall Chinook

Restoration + 100% Passage (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Marion Drain	179	394	2.0	2.4
Low. Yakima	9480	15274	3.0	3.2

Summer Chinook Restoration Only (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Yakima	3219	11122	1.4	2.1

Summer Chinook Restoration + 100% Passage (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Yakima	3219	11122	1.4	2.1

Coho

Restoration Only (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Ahtanum	10	149	1.1	1.7
Naches	131	★ 1053	1.3	2.2
Up. Yakima	641	★ 2435	1.6	2.4

Coho

Restoration + 100% Passage (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Ahtanum	10	149	1.1	1.7
Naches	131	★ 1114	1.3	2.2
Up. Yakima	641	★ 2810	1.6	2.3

Naches = 6%+
Upper Yakima = 15%+

Coho

Storage Study Results (without harvest)

Population	Abundance No Action	Abundance Wymer	Abundance Black Rock
Naches	192	229	248
Upper Yakima	653	664	1021

Steelhead

Restoration Only (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Satus	958	2161	4.1	6.5
Toppenish	775	1218	4.0	4.5
Ahtanum	72	196	1.2	1.4
Naches	737	★ 1401	1.6	2.0
American	74	127	1.8	2.4
Up. Yakima	775	★ 1704	1.6	2.2

Steelhead

Restoration + 100% Passage (without harvest)

Population	Abundance		Productivity	
	Current	Restoration	Current	Restoration
Satus	958	2161	4.1	6.5
Toppenish	775	1218	4.0	4.5
Ahtanum	72	196	1.2	1.4
Naches	737	★ 1600	1.6	2.0
American	74	127	1.8	2.4
Up. Yakima	774	★ 2405	1.6	2.2

Naches = 15%+
Upper Yakima = 41%+

Steelhead Storage Study Results (without harvest)

Population	Abundance No Action	Abundance Wymer	Abundance Black Rock
Satus	972	970	1025
Toppenish	815	813	908
Naches	878	874	1035
Upper Yakima	1119	1289	1396