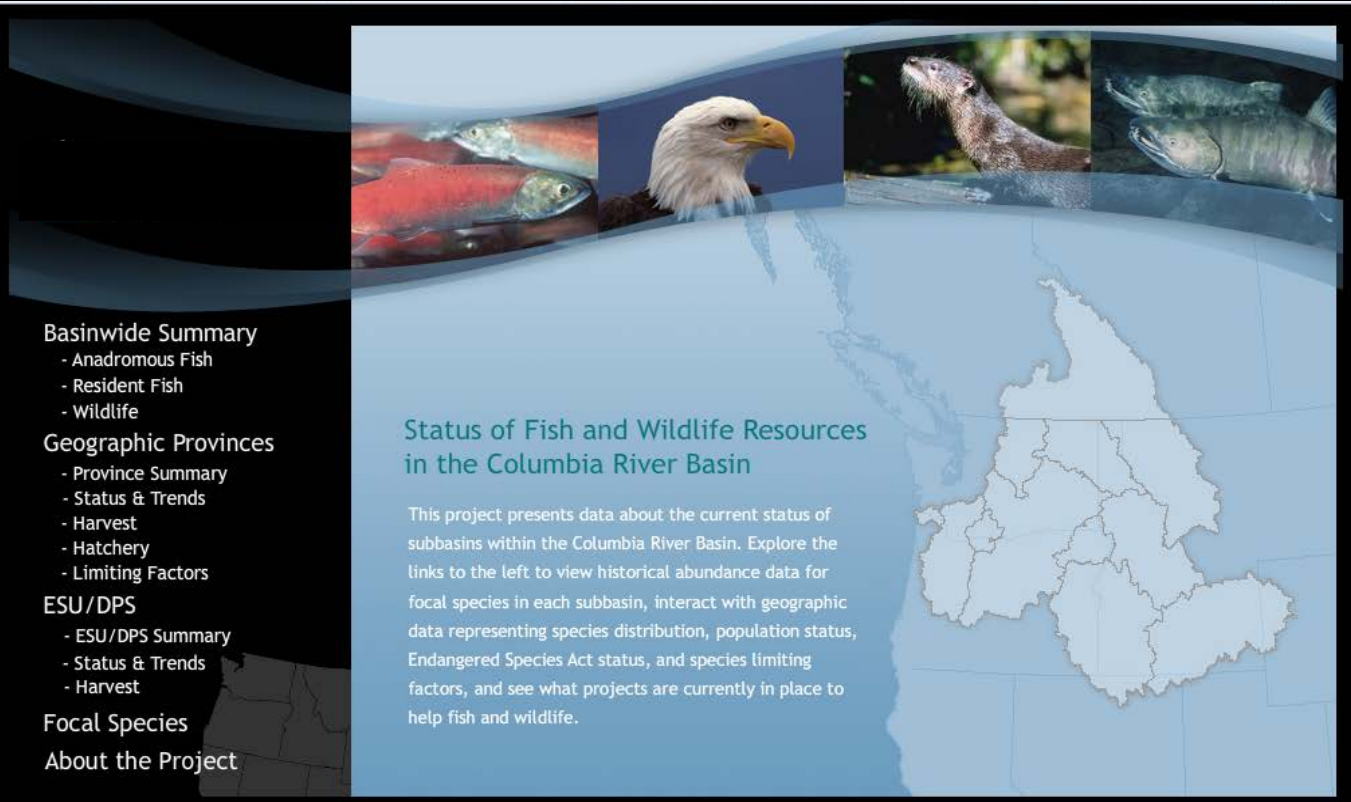
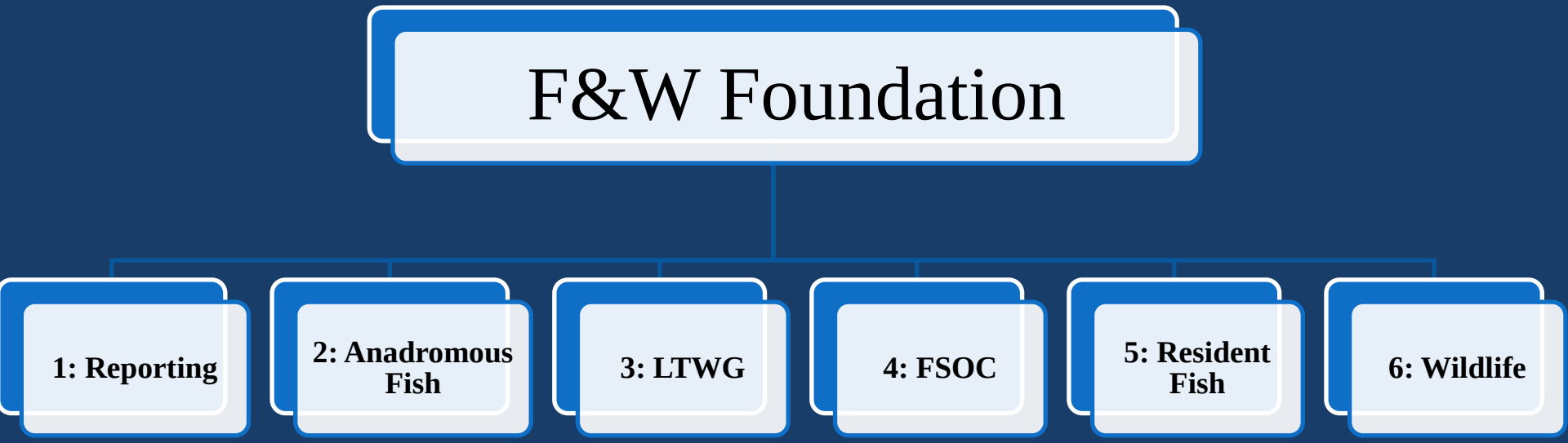
1989-062-01:
Program Coordination and Facilitation Services



August 22, 2012

Tom Iverson and Neil Ward
Columbia Basin Fish and Wildlife Foundation

1989-062-01: Program Coordination and Facilitation Services



Integration

Columbia Basin Fish and Wildlife Foundation

- Established in 1993 as a non-profit to serve the administrative function for CBFWA
- Facilitated Program Coordination since 1987
- Formally answered exclusively to the CBFWA Membership through the Executive Director

- No longer tied to CBFWA except to provide facilitation services and staff to the organization
- CBFWF currently employs a manager, 2 coordinators, 1 webmaster, and 1 administrative support staff

Recent Efforts

- 2009 F&W Program Amendments
- Anadromous Salmonid Monitoring Strategy
- Columbia River Basin Collaborative Data Sharing Strategy (CA Project)
- Implementation strategies for resident fish
- Wildlife Monitoring Implementation Strategy
- Development and maintenance of SOTR website

SOTR Project: Today's Objective

Discuss how the SOTR Project:

1. Fits into the overall regional effort

2. Supports the NPCC's Program

3. Provides data/information that is NOT available elsewhere.

SOTR Project: Today's Presentation

I. Background
- A. Why developed
- B. Planning and implementation
- C. Maintenance and technical assistance

II. SOTR Contributions to the Program
- A. Data management
- B. Program support
- C. Data not available elsewhere

III. Synthesis of high-level information
- A. Habitat improvement/protection
- B. Species status and actions
- C. Harvest opportunities and actions
- D. Recent accomplishments

SOTR Project: Background

Why and when was the SOTR Project developed?

SOTR Project: Background

Why and when was the SOTR Project developed?

2000

- ISRP suggested that no systematic data inventory had been performed for the Program
- 2000 Program calls for the establishment of an internet-based system for managing data

SOTR Project: Background

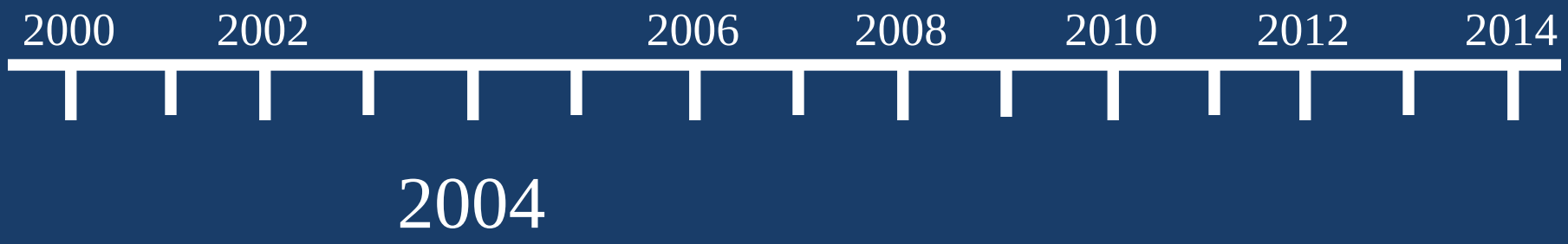
Why and when was the SOTR Project developed?

2001-2003

- CBFWA transitions from developing Annual Work Plans to producing an annual report on implementation of the Rolling Province Review

SOTR Project: Background

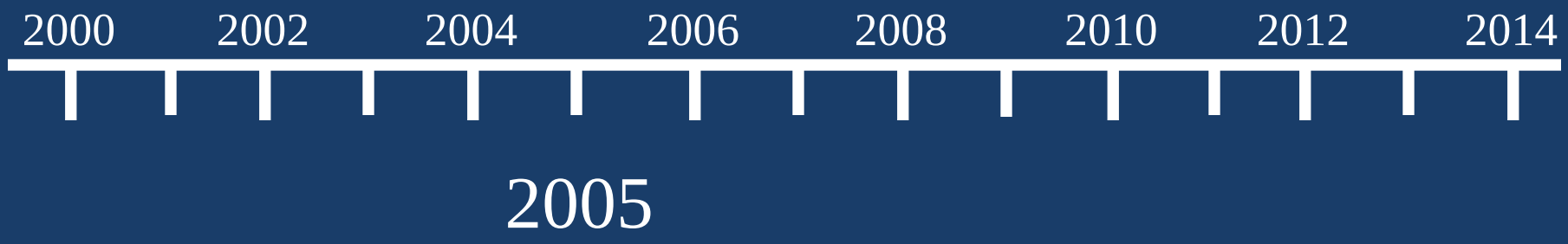
Why and when was the SOTR Project developed?



- NPCC recommends funding for the SOTR to develop a website and produce an annual report on the status and trends of fish and wildlife in CRB organized by subbasin and province

SOTR Project: Background

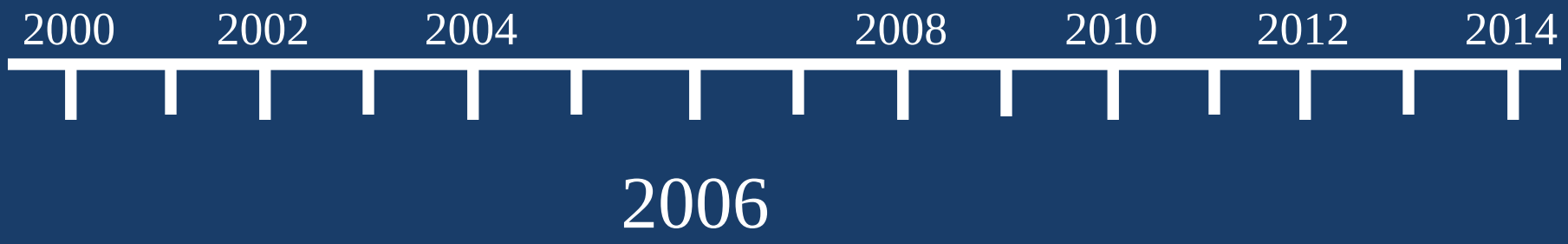
Why and when was the SOTR Project developed?



- Planning for SOTR initiated between F&W Managers, BPA, and NPCC staff
- ISRP recommends NPCC and BPA ensure data available through public websites

SOTR Project: Background

Why and when was the SOTR Project developed?

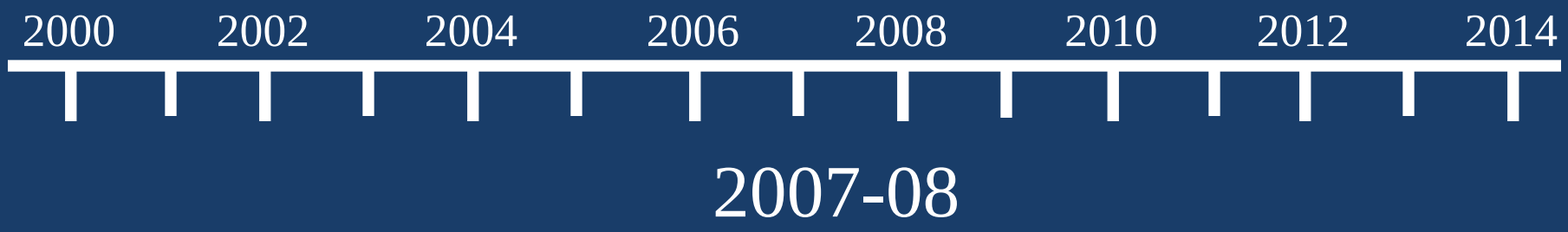


- ISAB suggested a process is needed to compile and coordinate data

- SOTR website available to the public and first annual report is released

SOTR Project: Background

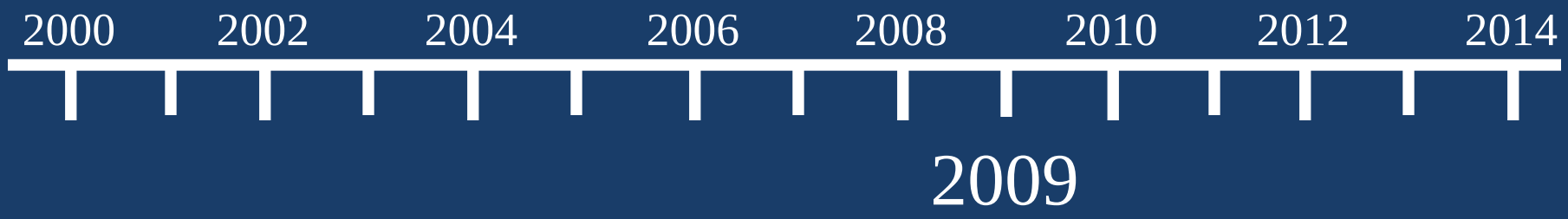
Why and when was the SOTR Project developed?



- Maintain and update website and produce annual reports
- Modified website to support HLIs and NOAA ESUs
- SOTR information formed basis of Amendment recommendations

SOTR Project: Background

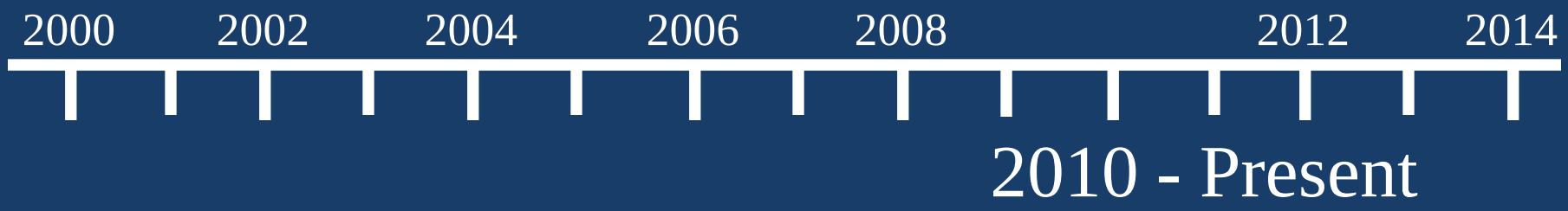
Why and when was the SOTR Project developed?



- NPCC expressed support and recommended inclusion of Fish and Wildlife Indicators (FWIs) for reporting HLIs
- Continue to modify website to support HLIs and FWIs
- Assisted with the development of the ASMS

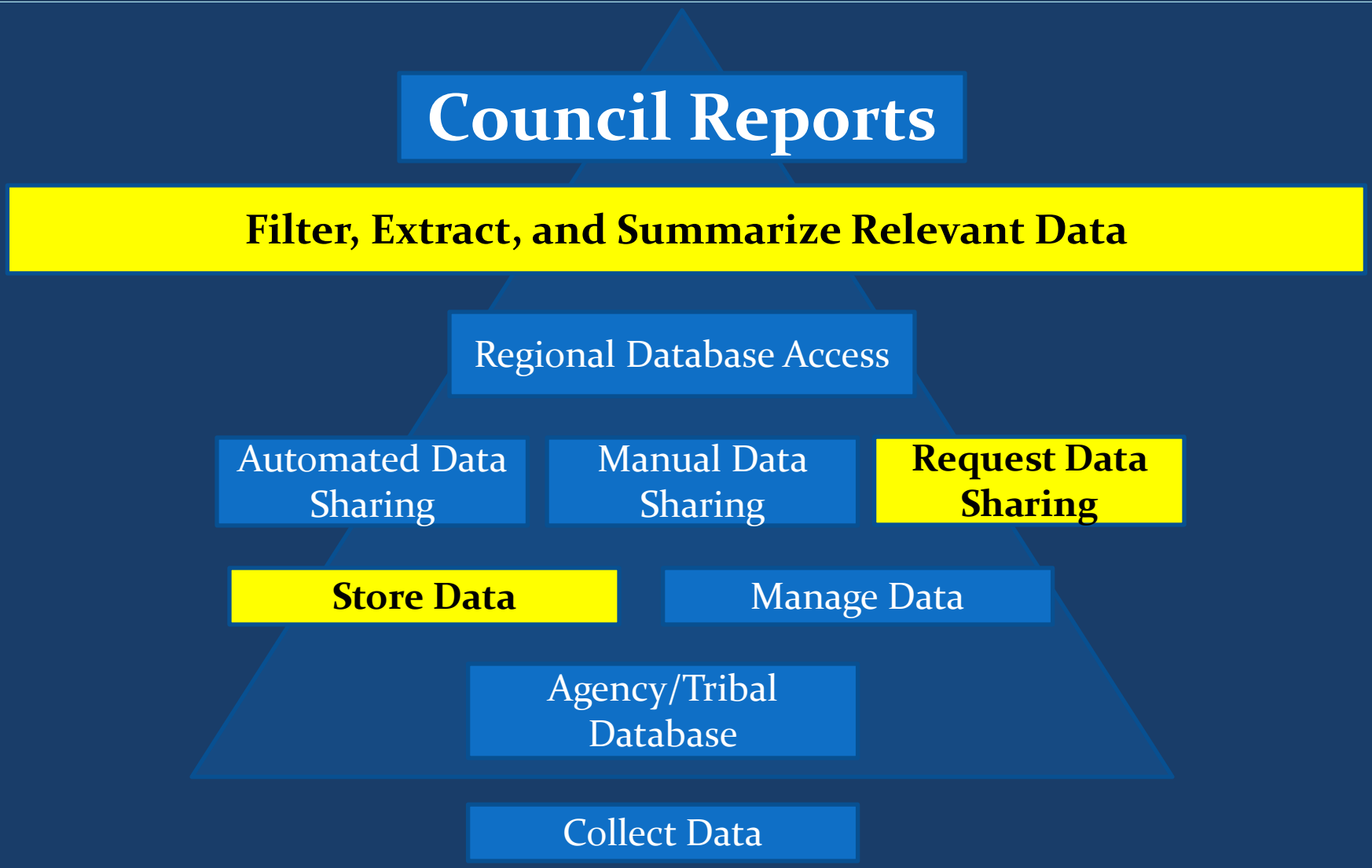
SOTR Project: Background

Why and when was the SOTR Project developed?



- Maintain and update website per NPCC and others requests
- Initiated Coordinated Assessments Project for salmon and steelhead data management (PNAMP and StreamNet)
- Assist NPCC staff with the development of FWIs and HLIs for resident fish and wildlife
- Assist managers with developing monitoring strategies for resident fish and wildlife

SOTR Project: How it Currently Fits into Regional Data Management



SOTR Project: How does it Support the NPCC's 2009 Program?

- High-level indicators (HLI)
- Reporting metrics and protocols
- Annual report
- Data gaps and redundancies
- Dissemination of data via the Internet

SOTR Project: How does it Support the NPCC's 2009 Program?

- *High-level indicators (HLI)*

  - Work with NPCC Members and staff updating SOTR to support HLI and FWI reporting

  - Provide technical, coordination, and facilitation services to NPCC staff for Program F&W Indicators and HLI development

SOTR Project: How does it Support the NPCC's 2009 Program?

- High-level indicators (HLI)

- *Reporting metrics and protocols*
  - Provide technical, coordination, and facilitation services to NPCC staff to identify resident fish and wildlife reporting metrics

SOTR Project: How does it Support the NPCC's 2009 Program?

- High-level indicators (HLI)
- Reporting metrics and protocols

- *Annual report*

  - Produce a SOTR annual basin-wide report that summarizes status and trends of key species to inform NPCC HLI report

SOTR Project: How does it Support the NPCC's 2009 Program?

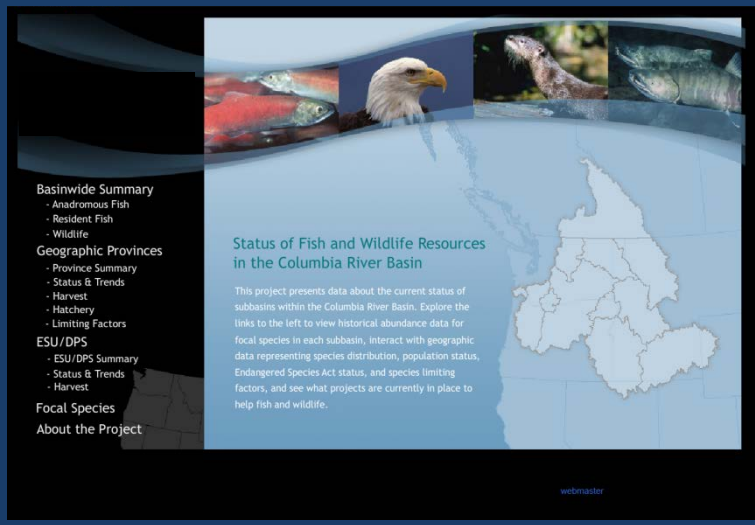
- High-level indicators (HLI)
- Reporting metrics and protocols
- Annual report

- *Data gaps and redundancies*
  - Assist NPCC staff by locating, mining, and compiling data to identify/fill high priority data gaps

SOTR Project: How does it Support the NPCC's 2009 Program?

- High-level indicators (HLI)
- Reporting metrics and protocols
- Annual report
- Data gaps and redundancies

- *Dissemination of data via the Internet*
  - Adaptively managed website that reports current data as well as summarizations



SOTR Project:
Providing Data Not Available Elsewhere

Data Sources:

689 data citations

- Direct web download from 26 entities
- Personal contacts with 10 entities
- Mined data from reports for 10 entities

Over 45 separate data bases

- 7 Regional data bases
- 9 Federal agency data bases
- 12 State agency data bases
- 10 Tribal data bases
- 7 Public/private data bases

Examples:
StreamNet provides 80% of abundance data

FPC provides dam passage and some hatchery data

ALL SOTR DATA EXISTS SOMEWHERE ELSE

SOTR Project: Providing Data Not Available Elsewhere

SOTR provides unique data assembly to support CRB F&W Program:

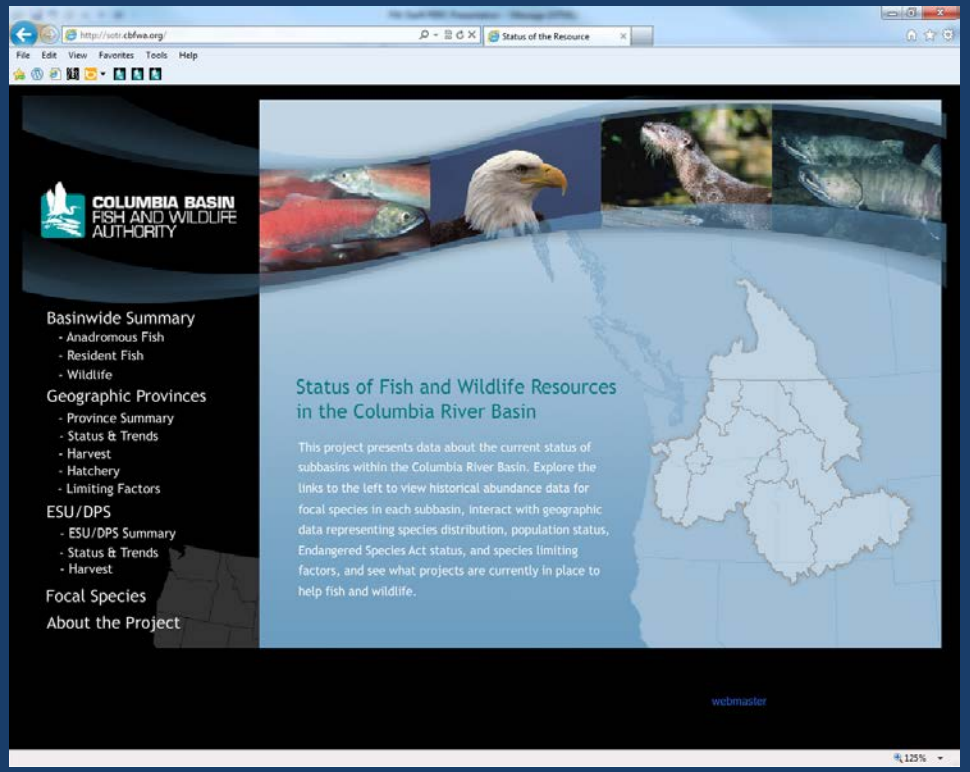
- Organized by subbasin and province
- Organized by management units (sturgeon)
- Summarizes wildlife information (HUs, WMAs)

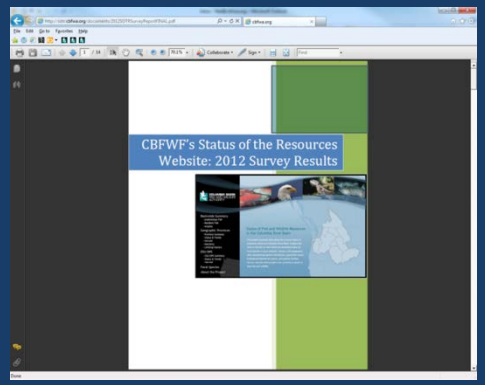
SOTR supports other reporting frameworks:

- Organized by NOAA ESU (salmon and steelhead)
- Organized by USFWS DPS (bull trout)

SOTR Project: Supporting the Synthesis of High-level Summary Information

- Habitat improvement/protection
- Species status and actions
- Harvest opportunities and actions
- Recent accomplishments





SOTR Project: Supporting the Synthesis of High-level Summary Information

Habitat improvement and protection

BPA Funded Anadromous Fish Habitat Project Accomplishments [1]

Project-type	Planned Value *	Accomplishment (Actual Value) *
Increase instream complexity and stabilization, remove vegetation	39.26 miles	38.54 miles stream complexity improved
Increase instream habitat complexity and stabilization	737 structures	824 structures installed
Removal/install diversion, remove/breach dam, install fish passage structure	50 barriers	51 barriers addressed
Removal/install diversion, remove/breach dam, install fish passage structure	254.24 miles	233.24 miles habitat accessed
Install well, install pipeline, install sprinkler, acquire water instream	667.7 miles	626.2 miles primary stream reach improved
Install well, install pipeline, install sprinkler, acquire water instream	63.6 cfs	59.7 cfs water conserved
Install well, install pipeline, install sprinkler, acquire water instream	1,583.82 miles	1,375.38 miles total stream reach improved
Install well, install pipeline, install sprinkler, acquire water instream	22,065.8 acre-feet	23,801.5 acre-feet water conserved
Realign connect and/or create channel	3,041.36 acres	2,784.65 acres affected
Realign connect and/or create channel	2.97 miles	1.85 miles stream added
Remove/install diversion	12 screens	11 screens addressed
Install fish screen	24,281.8 acre-feet	28,708.2 acre-feet water screened
Install fish screen	156.7 cfs	182.2 cfs water screened
Acquire water instream	16 miles	16 miles improved
Acquire water instream	74,920.3 acre-feet	92,818 acre-feet water protected
Acquire water instream	72,922.49 cfs	72,926.87 cfs water protected
Plant/remove vegetation	3,436.4 acres	3,934.55 acres treated

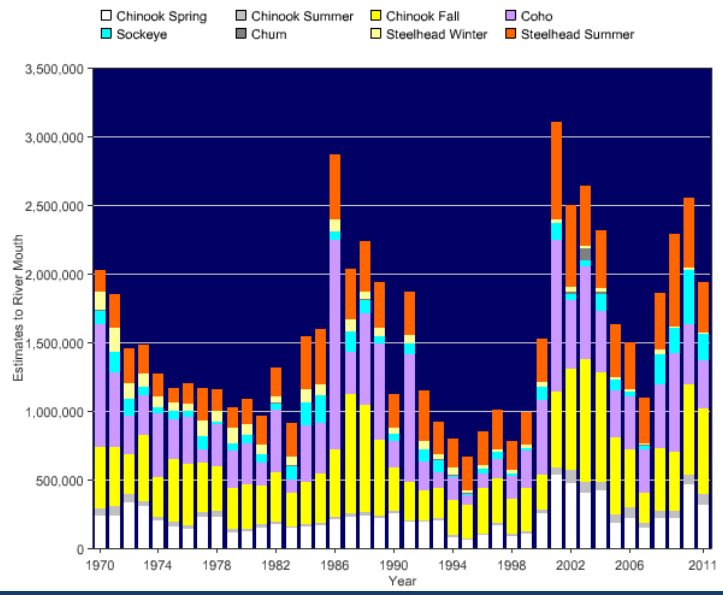
125%

SOTR Project: Supporting the Synthesis of High-level Summary Information

Species status and actions

Adult Counts

Estimates of Adult Salmon and Steelhead at the Columbia River Mouth [10, 231, 232] top



Counts at river mouth

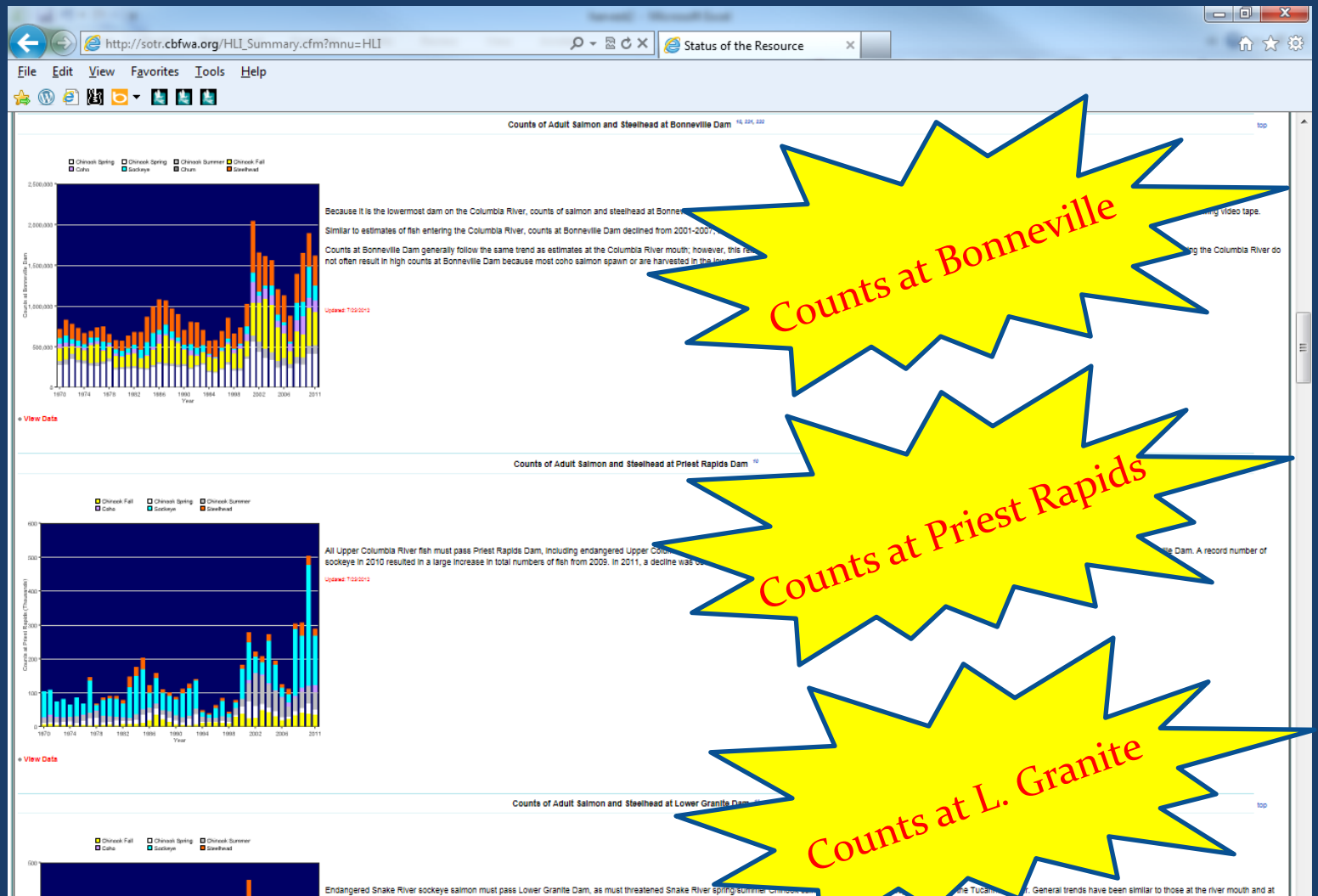
Estimat… …bia River Basin are ge… …mbia River downstream from Be… …nstream from Bonneville Dam, and (3) counts at Bonnev… …. Bec… …e fish entering tributaries downstream from Bonneville Dam may …be completely counted, some estimates are considered "minimum".

Numbers of adult salmonids entering the Columbia River reached a relative high in 2001 then generally declined until increases from 2008 through 2010. Increases were partially a result of record returns of sockeye salmon and relatively high returns of coho salmon and steelhead. The number of spring Chinook salmon in 2010 was the highest since 2001 and the second highest since 1970. For 2011, returns were lower than 2009 and 2010, which can be attributed to significantly lower sockeye, coho, and spring Chinook returns.

Updated: 7/23/2012

SOTR Project: Supporting the Synthesis of High-level Summary Information

Species status and actions

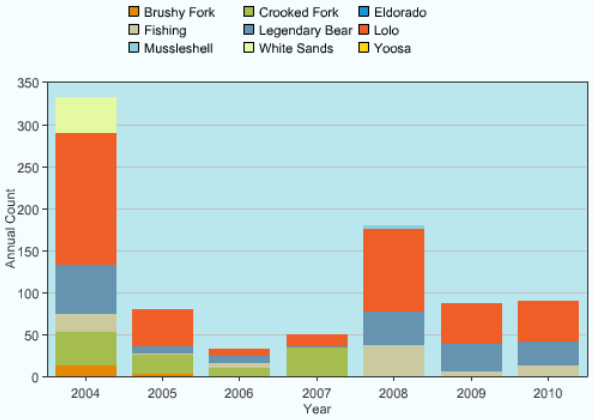


SOTR Project: Supporting the Synthesis of High-level Summary Information

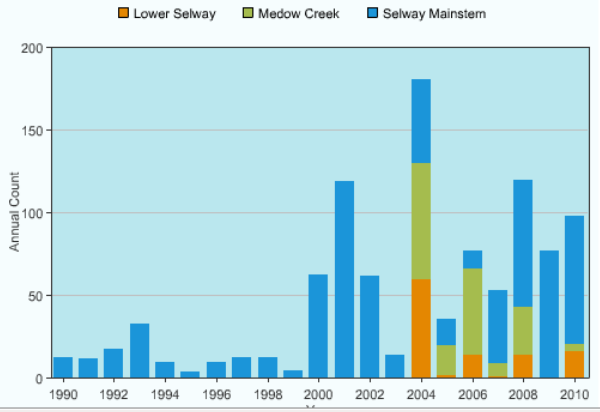
Species status and actions

Spring Chinook

Spring Chinook Redd Counts in the Clearwater Subbasin (Annual Index Sites - Lochsa River)



Spring Chinook Redd Counts in the Clearwater Subbasin (Annual Index Sites - Selway River)



Biological Objective : **Subbasin Plan Objective** :
10,000 Spawning natural adult returns[486]

Current Status : Adult Escape

2010: Lolo C… Creek - …dults[213], Lake …leshell Creek - …14 redds[213], …[671]

…[72]

2010: Mea…ow Creek - 5 redds[213], Lower Selway - 16 redds[213], White Cap - redds[671]

2008: Bear - 21 redds[500], Selway Mainstem - 77 redds[221]

South Fork Clearwater

2010: Newsom Creek - 46 redds[213], Meadow Creek - 0 redds[213], Mainstem - 0 redds[213], Red River - 1 redd[671]

2009: American - 23 redds[493]

North Fork Clearwater

2008: Moose Creek - 11 redds[233]

ESA Listing Status : Not Listed

Evolutionary Significant Unit (ESU) : Snake River

Major Population Group (MPG) : Clearwater

Population :

Click on graph(s) to view data

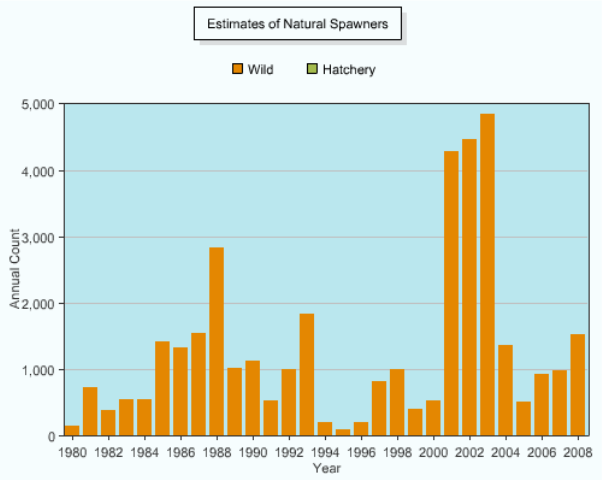
Redds in Clearwater R.

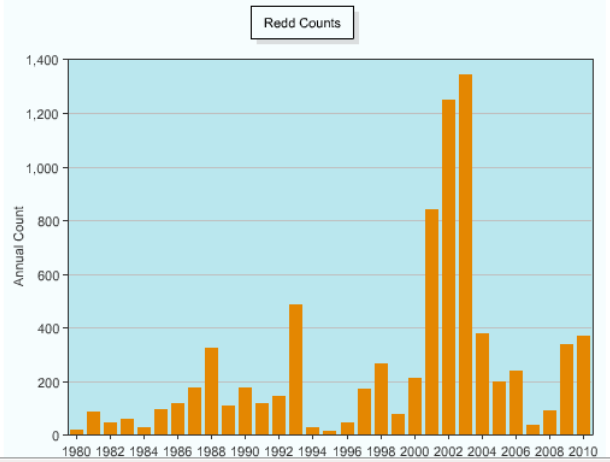
100%

SOTR Project: Supporting the Synthesis of High-level Summary Information

Species status and actions

Middle Fork Salmon River MPG ← Click to view MPG summary





Click on population name to view Status & Trends for individual populations

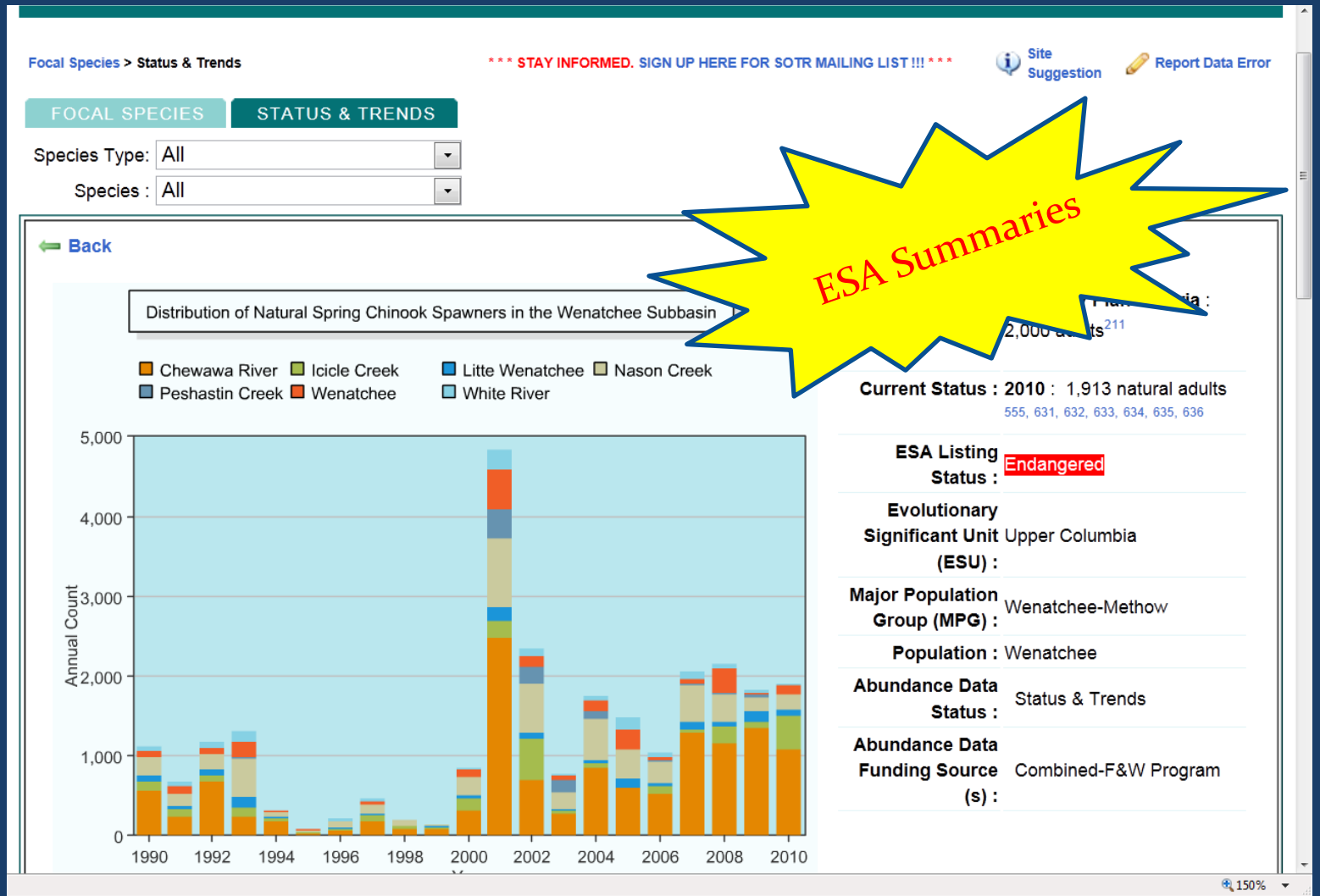
Population	Run	Abundance Threshold	Recovery Plan Recommend	Biological Status
Bear Valley Creek	spring	750 natural adult	750 na	**2010 :** 178 redds [671], **2008:** wild and 0 spawners [64]
Big Creek				wild and 0 ners [64]
Camas Cre				7 redds [671] and 0 hatchery spawners [64]
Chamberlain Cre			atural adults	**2010 :** 32 redds [671], **2008:** 558 wild and 0 hatchery spawners [64]
Loon Creek	spring/summer	500 natural adults [485]	500 natural adults [485]	**2009 :** 28 redds [461] **2008:** 30 wild and 0 hatchery spawners [64]
Lower Middle Fork Salmon River	spring	500 natural adults [485]	No Recommendation	**2009 :** 1 redd [459]
Marsh Creek	spring	500 natural adults [485]	500 natural adults [485]	**2010 :** 7 redds [671], **2008:** 177 wild and 0 hatchery spawners [64]
Sulphur Creek	spring	500 natural adults [485]	No Recommendation	**2010 :** 52 redds [671] **2008:** 126 wild and 0 hatchery spawners [64]
Upper Middle Fork Salmon River	spring	750 natural adults [485]	No Recommendation	**2009 :** 4 redds [227]

Spawners and redds in Middle Fork

100%

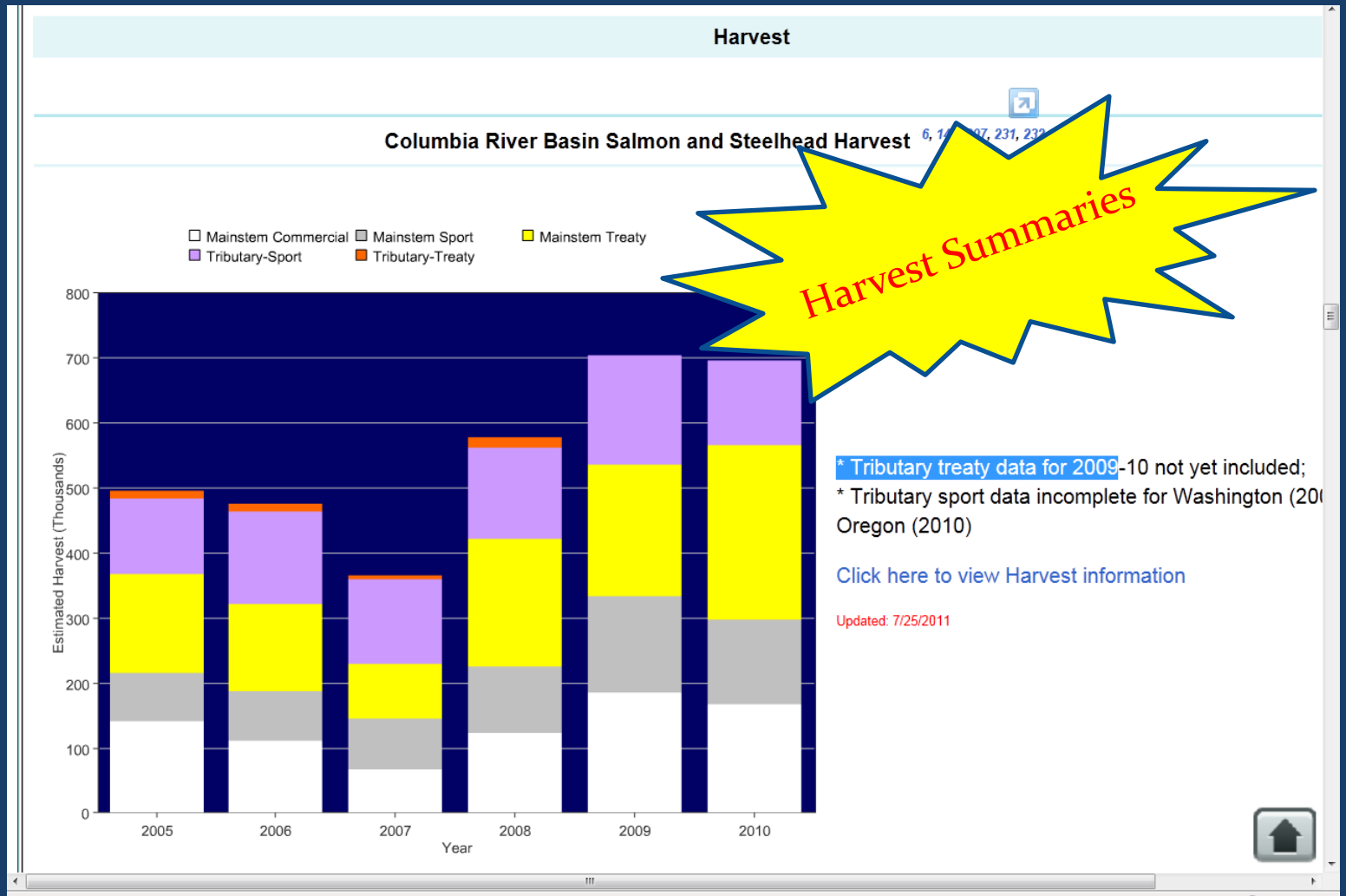
SOTR Project: Supporting the Synthesis of High-level Summary Information

Species status and actions



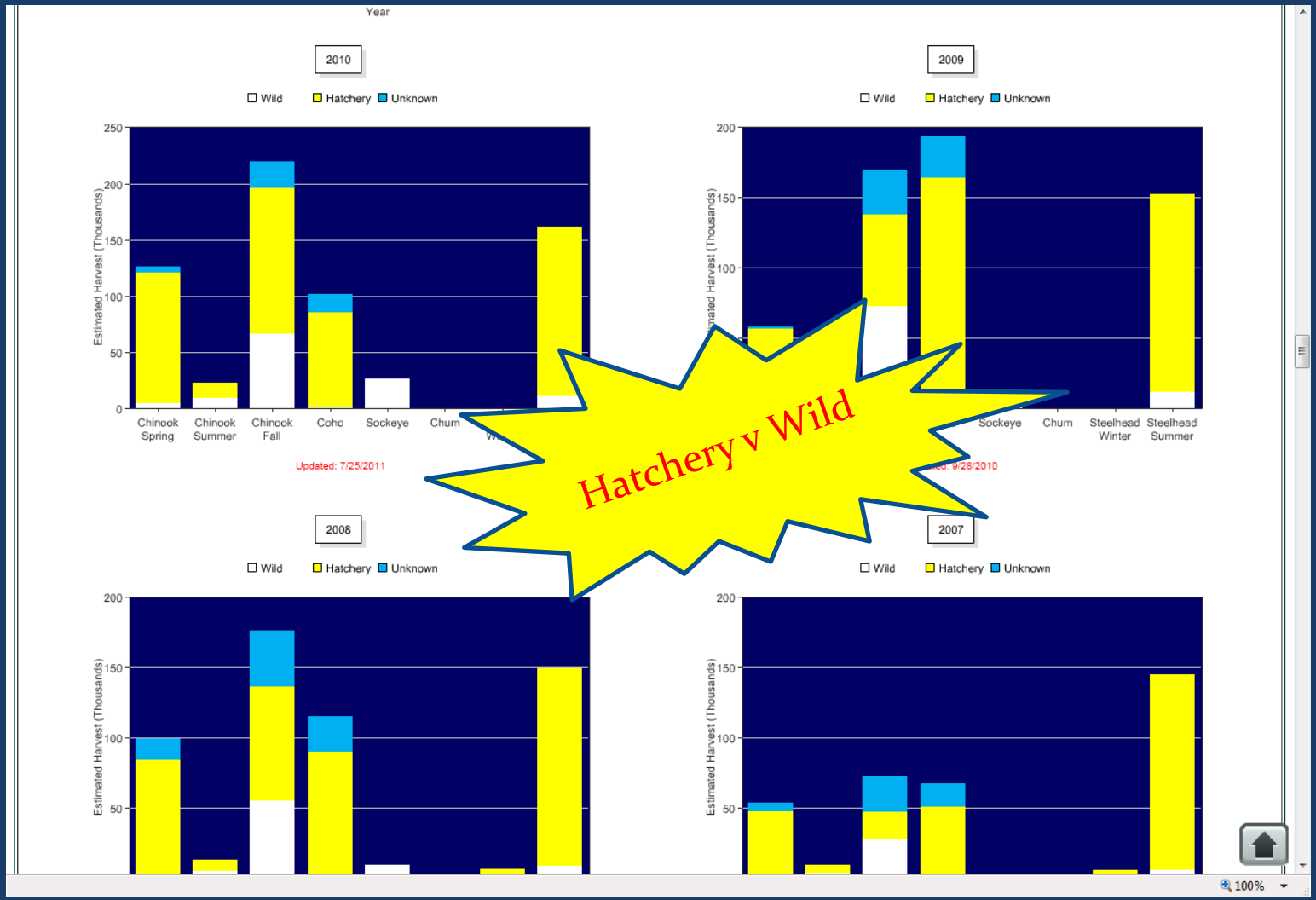
SOTR Project: Supporting the Synthesis of High-level Summary Information

Harvest opportunities and actions



SOTR Project: Supporting the Synthesis of High-level Summary Information

Harvest opportunities and actions



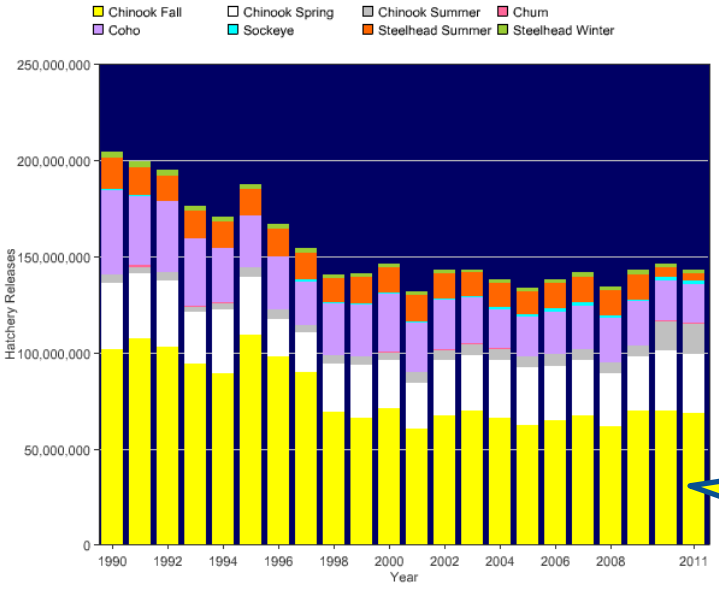
SOTR Project: Supporting the Synthesis of High-level Summary Information

Hatchery actions

+ View Data

Hatchery Production

Hatchery Production of Salmon and Steelhead in the Columbia River Basin [10] top



In 2011, 143 million salmon and steelhead were released in the Columbia River Basin. Hatchery programs are categorized, based on their genetic broodstock management strategy, as either integrated (i.e., composite population of natural and hatchery origin fish) or segregated (i.e., distinct population reproductively isolated from natural populations). The purposes of these programs are either to provide harvest opportunities, serve as a conservation measure, or both.

Click here to view Hatchery informa

Updated: 7/23/2012

Hatchery Release Summaries

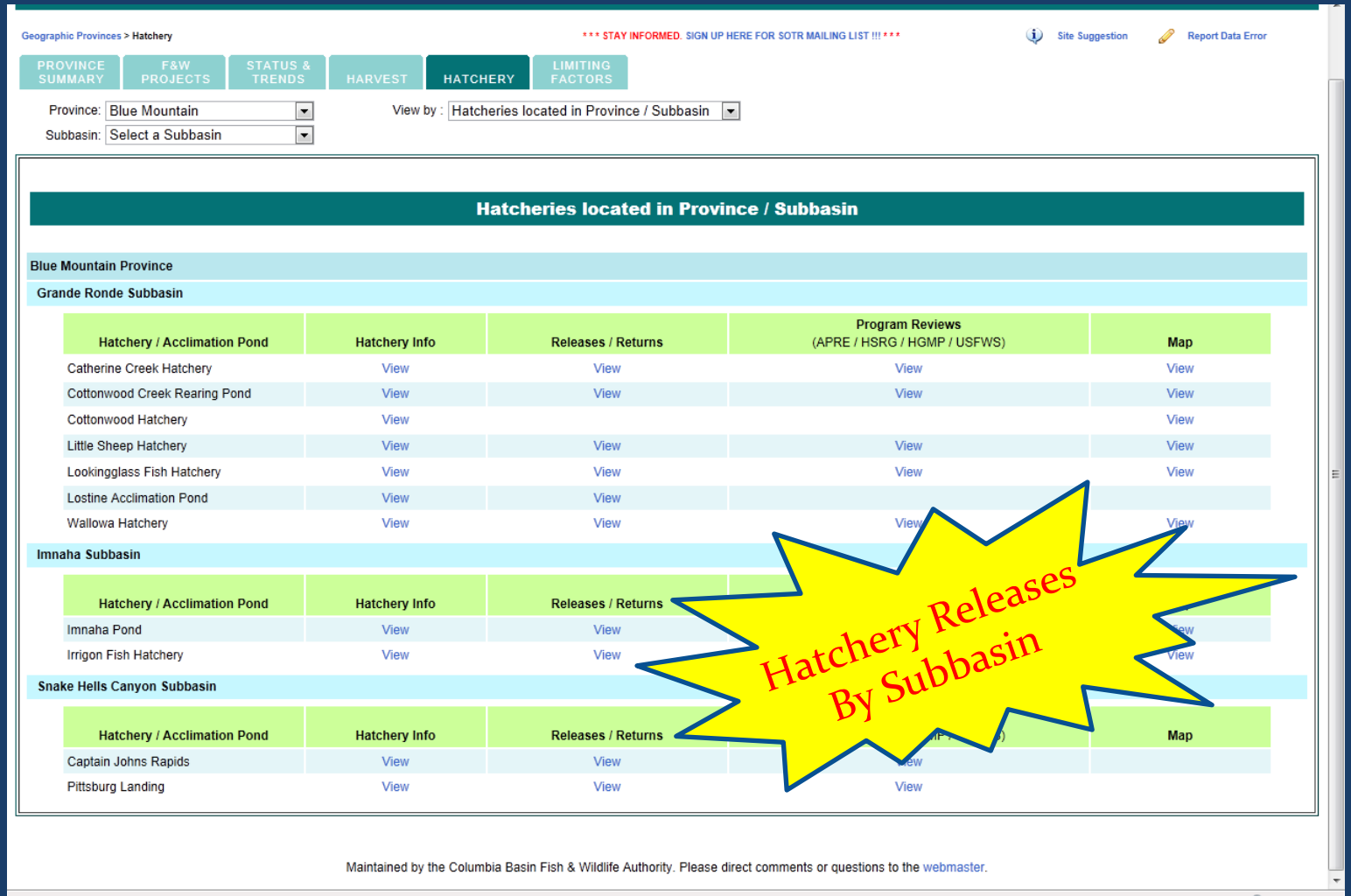
+ View Data

Harvest

100%

SOTR Project: Supporting the Synthesis of High-level Summary Information

Hatchery actions

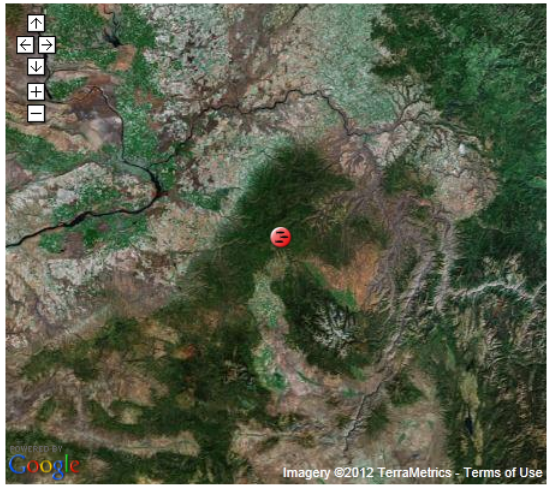


SOTR Project: Supporting the Synthesis of High-level Summary Information

Hatchery actions

Hatchery

⇐ Back



Name : Lookingglass Fish Hatchery
Province : Blue Mountain
Longitude : -117.863976
Subbasin : Grande Ronde
Latitude : 45.731358
Operating Agency : ODFW
Funding Source : USFWS (Lower Snake River Compensation Plan and BPA
Description : Lookingglass Hatchery, located along Lookingglass Creek, a tributary of the Grande Ronde River, 2 miles from Palmer Junction in northeast Oregon, was built by the U.S. Army Corps of Engineers in 1982 as part of the Lower Snake River Compensation Program. The hatchery is to return adult Chinook salmon, lost because of construction of the four Lower Snake River dams, back to the Imnaha and Grand Ronde Rivers. In 1985, the hatchery program was expanded to include enhancement of the native population of spring Chinook salmon in the Imnaha River. The Lookingglass Hatchery also provides rearing space for the Grande Ronde Basin Spring Chinook Salmon Captive Broodstock Project.

Hatchery Program Descriptions

Releases & Returns

Hatchery releases of anadromous fish, within the geographic range of an ESU/DPS, are listed accordingly.

Province	Subbasin	Species	ESU/DPS	Released in 2009	Returns to Collection Facility in 2009	Data as of
Blue Mountain	Grande Ronde	Spring Chinook	Snake River Spring/Summer Chinook ESU	276,136	161	8 / 30 / 2010
Blue Mountain	Imnaha	Spring Chinook	Snake River Spring/Summer Chinook ESU	58,839		8 / 30 / 2010

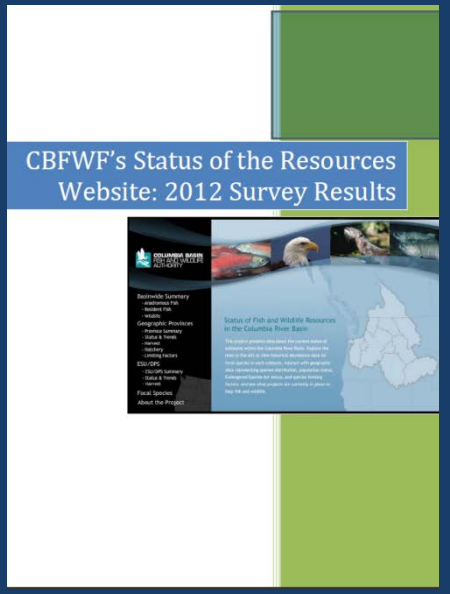
Hatchery Program Reviews

APRE	HSRG	HGMP	USFWS
1. Catherine Creek Integrated Spring Chinook		1. Grande Ronde Basin Spring/Summer Chinook Program	1. Oregon LSRCP Hatcheries Assessments and Recommendations Report ? December 2009
2. Lostine Integrated Spring Chinook		2. Lower Snake River Compensation Plan Imnaha Spring/Summer Chinook Program	
3. Upper Grande Ronde Integrated Spring Chinook		3. Grande Ronde Basin Spring/Summer Chinook Program	
4. Catherine Creek Captive Brood Spring Chinook			
5. Grande Ronde Captive Brood Spring Chinook			
6. Lostine Captive Brood Spring Chinook			

100%

SOTR Project: Recent Accomplishments

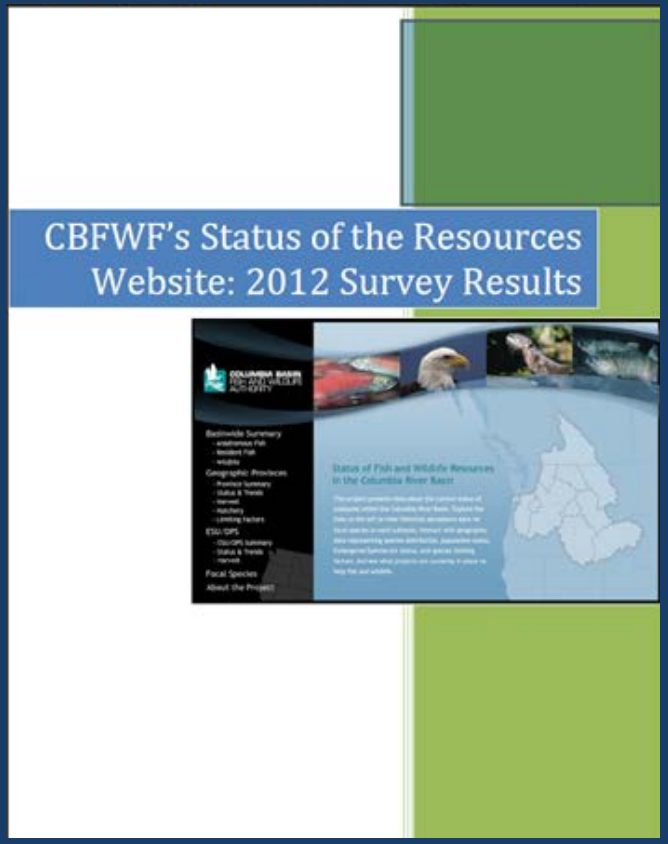
- Continue monthly website updates
- Resident FWIs and HLIs
- Wildlife HLIs
- Annual Report – end of Aug.
- Draft bull trout section
- 2012 User Survey completed



SOTR Project: Recent Accomplishments

2012 SOTR Users Survey

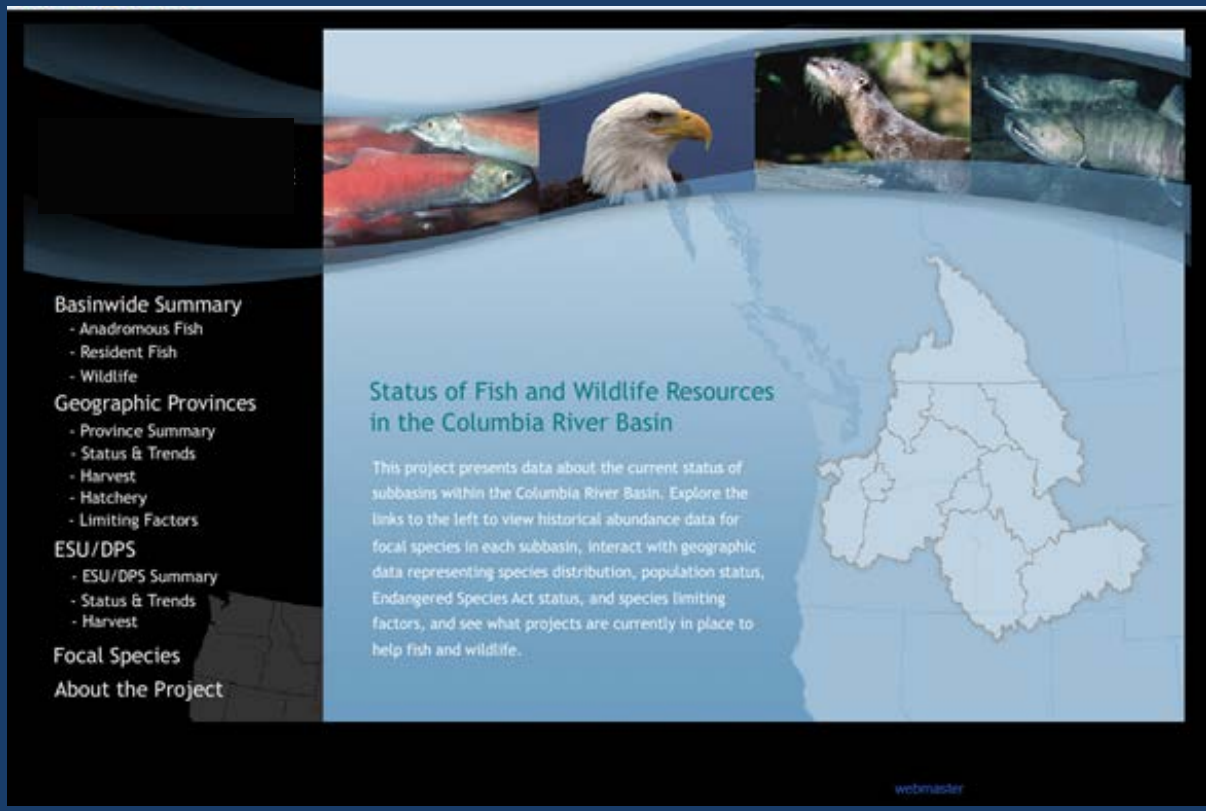
- 88% rated the website as useful or very useful
- 91% indicated they would continue to use the website
- 60% would recommend



SOTR Project: Recent Accomplishments

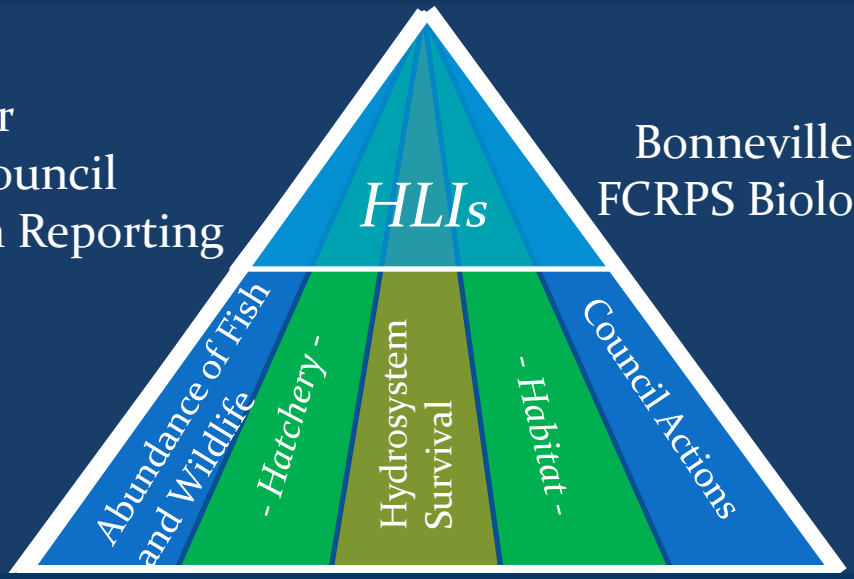
Why users indicated they use the SOTR

- Ease of access/use
- Data are current and updated regularly
- Comprehensive
- Card catalog



Data Management in the Columbia River Basin: Where the SOTR Fits

Northwest Power
And Conservation Council
Fish and Wildlife Program Reporting

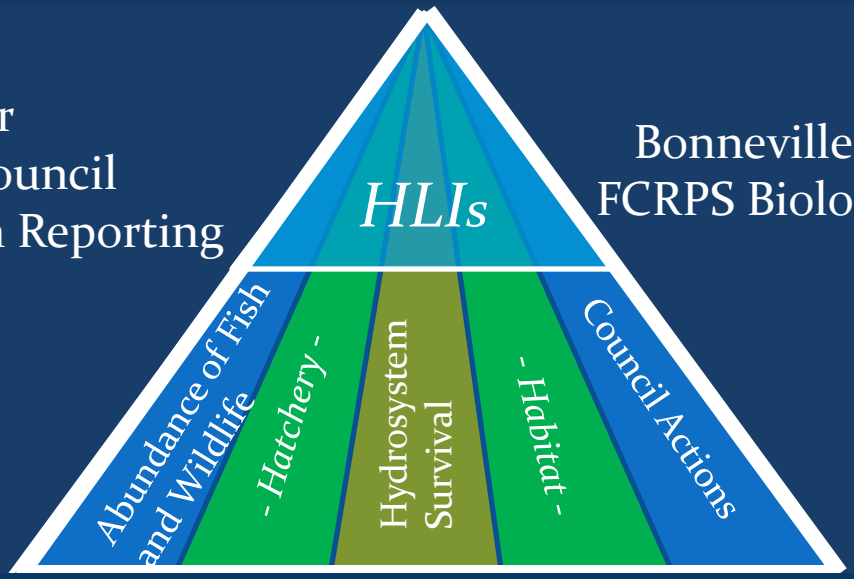


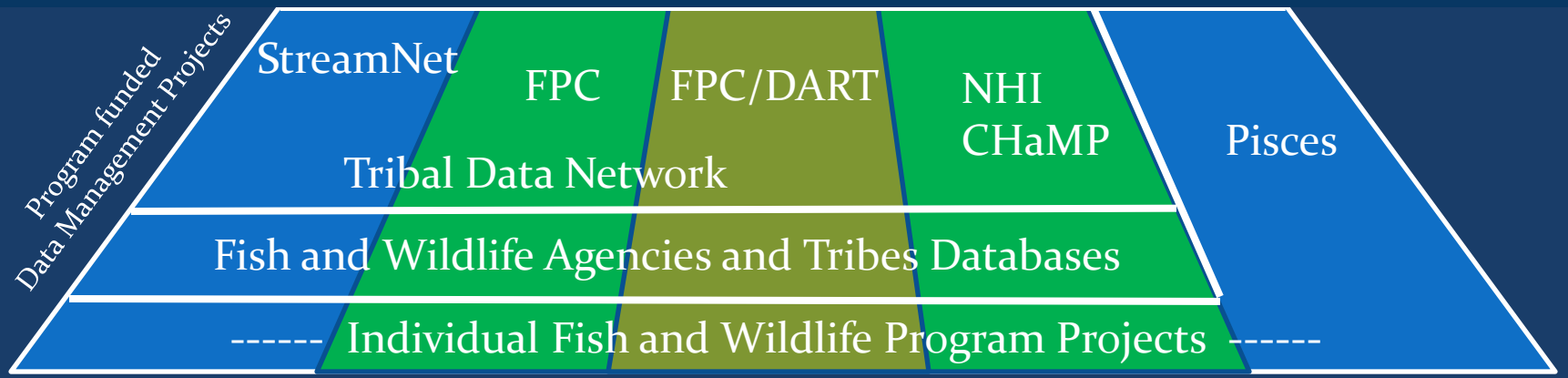
Bonneville Power Administration
FCRPS Biological Opinion Reporting

Data Management in the Columbia River Basin: Where the SOTR Fits

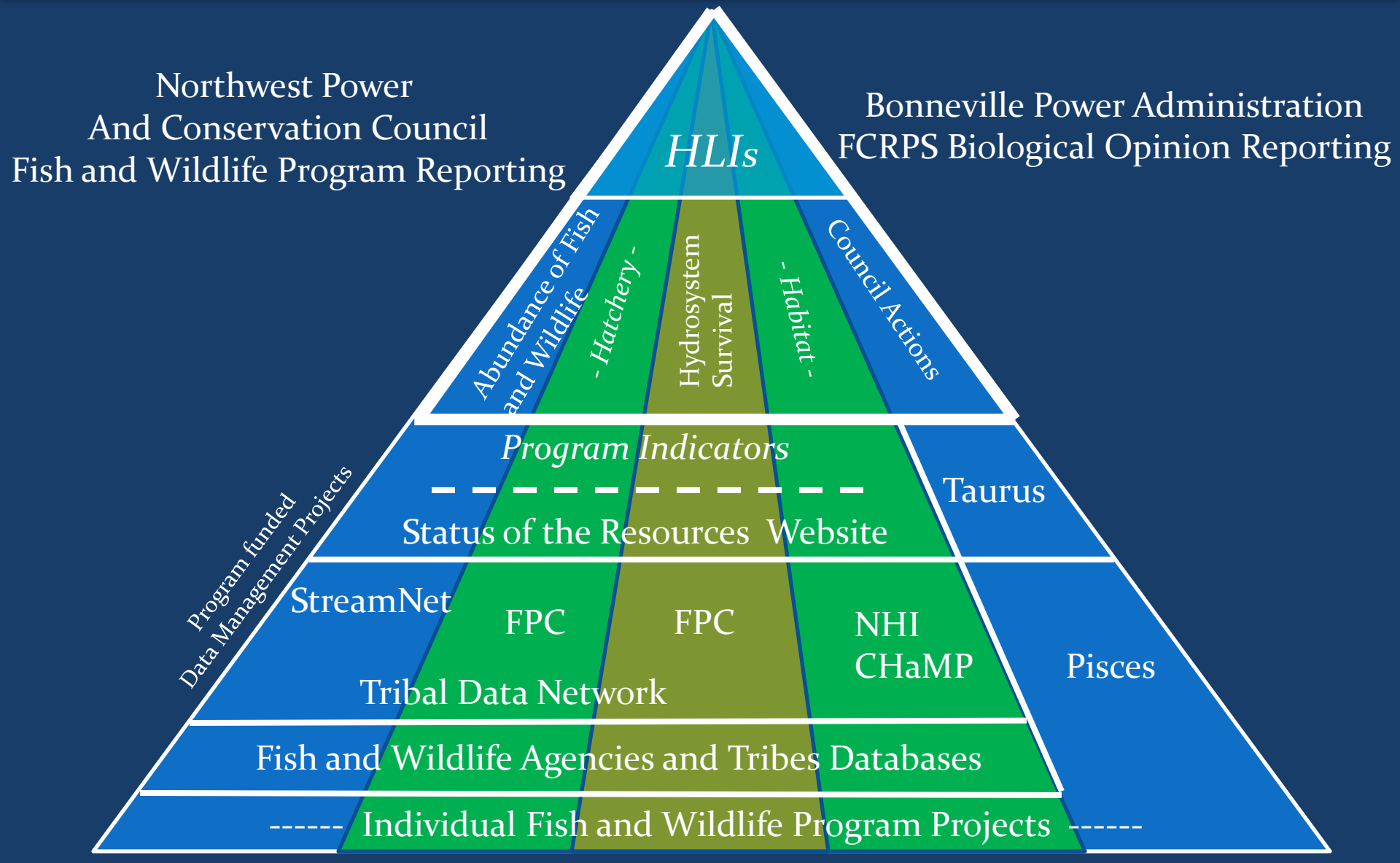
Northwest Power
And Conservation Council
Fish and Wildlife Program Reporting

Bonneville Power Administration
FCRPS Biological Opinion Reporting

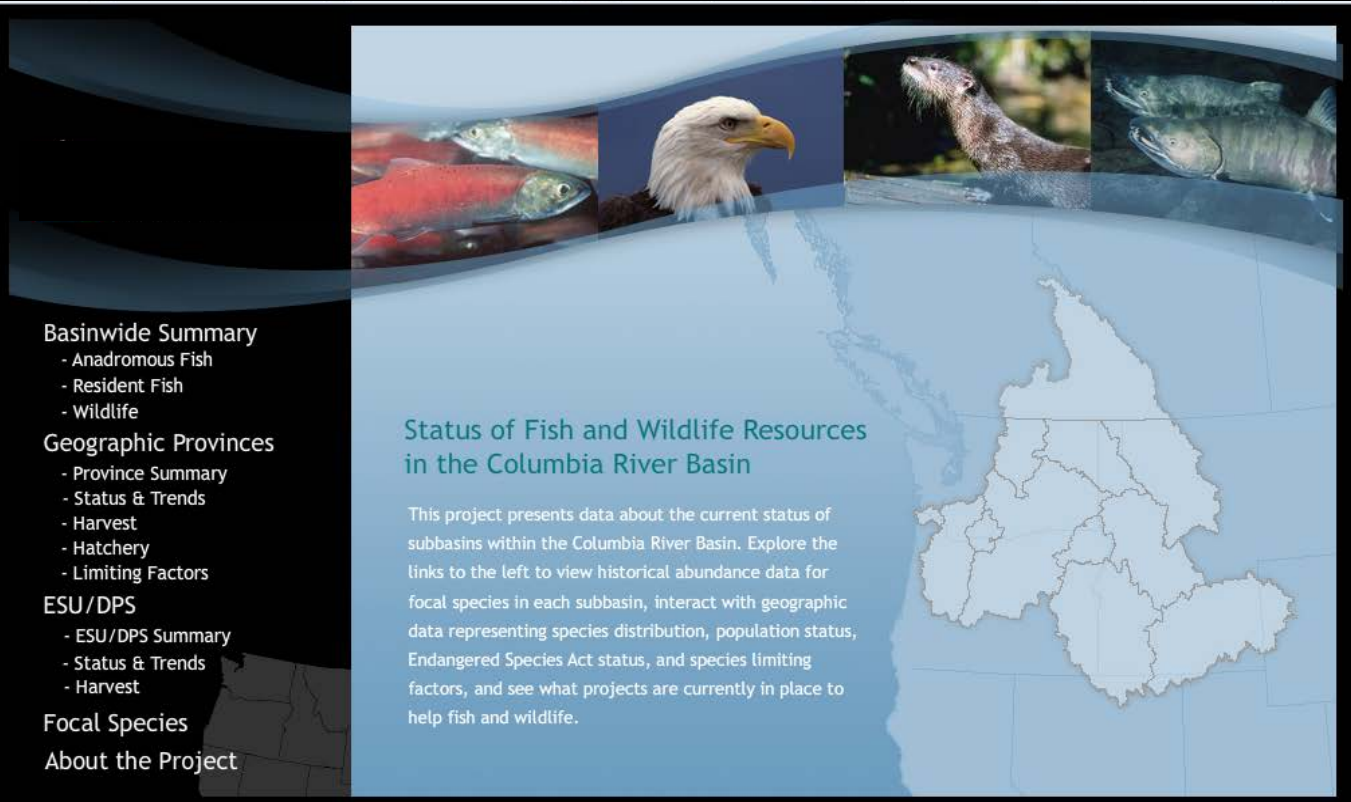




Data Management in the Columbia River Basin: Where the SOTR Fits

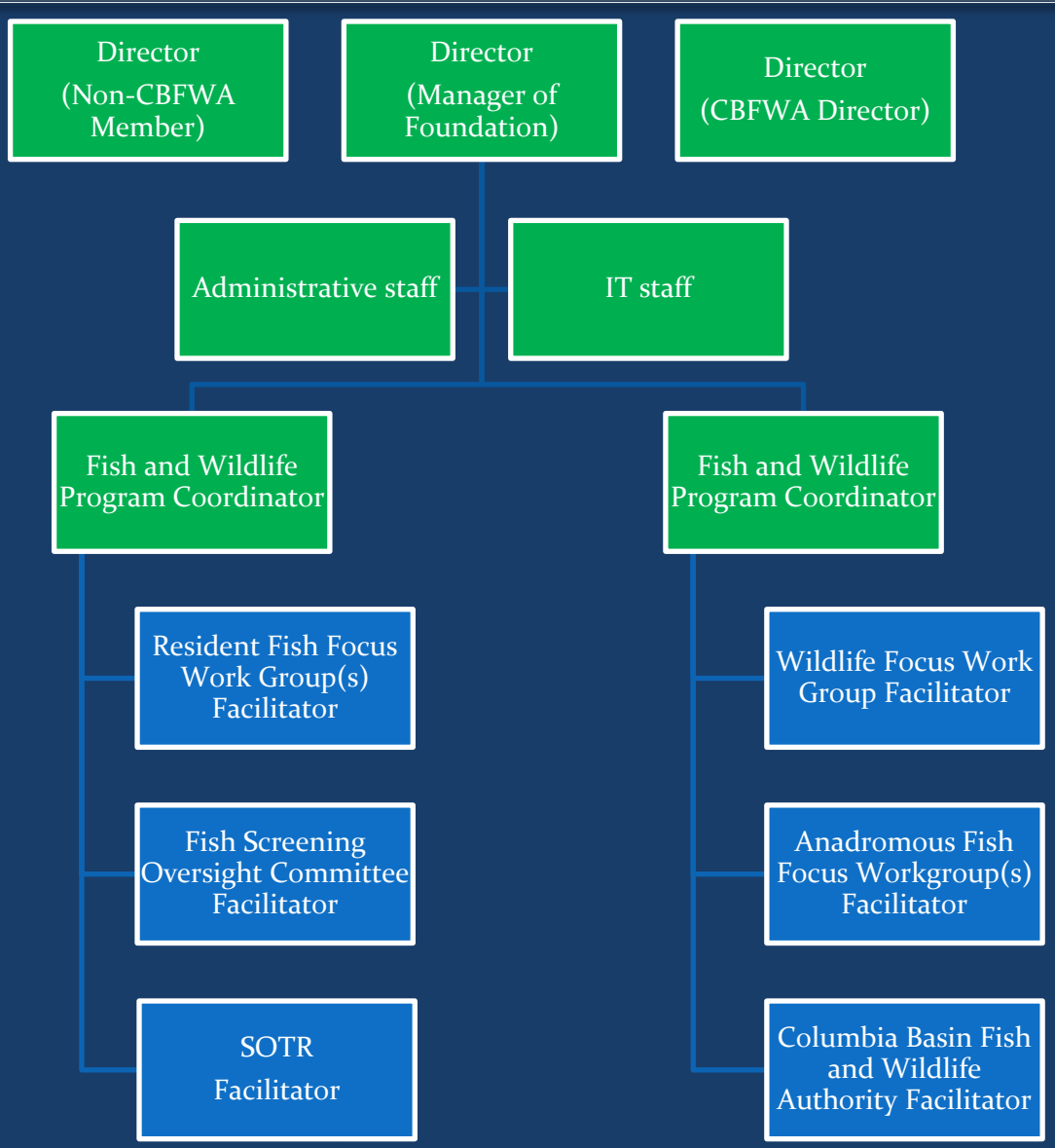


1989-062-01:
Program Coordination and Facilitation Services



QUESTIONS?

1989-062-01:
Program Coordination and Facilitation Services



1989-062-01: Program Coordination and Facilitation Services

FY 2012 - $859,580

	Objective 1: Reporting	Objective 2: Anad. Fish	Objective 3: LTWG	Objective 4: FSOC	Objective 5: Res. Fish	Objective 6: Wildlife	Objective 7: CBFWA	Total
Personnel	$ 145,465	$ 158,231	$ 67,316	$ 39,343	$ 158,231	$ 88,297	$ 251,243	$ 908,125
Travel	$ 1,000	$ 3,500	$ 1,500	$ 1,500	$ 4,500	$ 4,000	$ 181,031	$ 197,031
Prof. Meetings & Training	$ 500	$ 3,500	$ 500	$ 1,000	$ 2,500	$ 2,500	$ 4,600	$ 15,100
Facilities/Equipment	$ 5,000	$ 1,500	$ 1,200	$ 1,200	$ 1,500	$ 1,500	$ 33,700	$ 45,600
Rent/Utilities	$ 13,960	$ 13,960	$ -	$ -	$ 13,960	$ 960	$ 33,253	$ 76,093
Overhead/Indirect	$ 48,716	$ 53,051	$ 20,704	$ 12,637	$ 53,051	$ 28,555	$ 113,583	$ 330,296
Total	$ 214,641	$ 233,742	$ 91,220	$ 55,680	$ 233,742	$ 125,811	$ 617,410	$1,572,245

$444,159

*Council Decision 7/2012