Can We Keep Track of All Landscape Actions in a River Basin and Manage them on a Single Public Planning Platform?

Rich Osborne, Rebekah Brooks, Kim Clark,
Kirsten Harma and Jessica Helsley

UW Olympic Natural Resources Center,
Chehalis Basin Lead Entity, and
Coast Salmon Partnership

http://hws.ekosystem.us/
http://wcssp.org

Coast Salmon Partnership

North Pacific Coast Lead Entity

Quinault Indian Nation Lead Entity

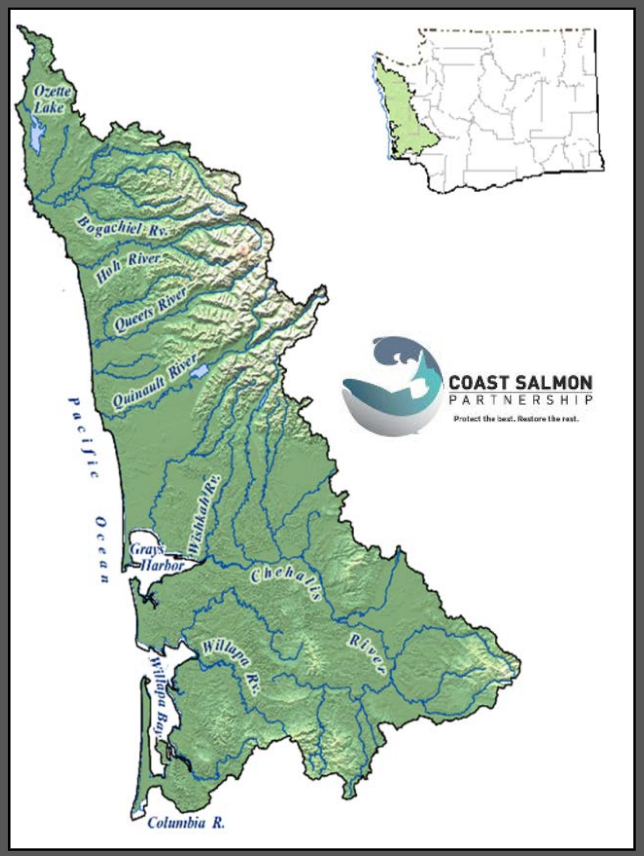
Chehalis Basin Lead Entity

Willipa Lead Entity

Formed out of the Coastal Lead Entities in 2007 & completed its Salmon Restoration Strategy in 2013

Formerly: *Washington Coast Sustainable Salmon Partnership*

Coast Region Marching Orders:



RCO / GSRO 2015 Vision for
Regional Integration on the Coast

"A regional implementation tracking database will be developed in conjunction and integrated with Lead Entity data management, strategy implementation and reporting in the Habitat Work Schedule (HWS). "

"Numeric goals and objectives will be identified and adopted based upon metrics … that are consistent with or at least directly comparable with metrics used by state data systems. "

Formerly: *Washington Coast Sustainable Salmon Partnership*

The Tool: Habitat Work Schedule

PANORAMIC

Panoramic uses web-services to extract, aggregate, manage and report on data from any source and enables governance and seamless collaboration at the project, program or portfolio level.

PALADIN

Habitat Work Schedule

Panoramic tracks data and manages the public portal for the Pacific Coastal Salmon Recovery Fund.

Initiated in 2006, Citizens can access reports from State agencies and local organizations.

Agencies collaborate, share data, and report their successes in salmon recovery.

The Tool: Habitat Work Schedule

~~Habitat Work Schedule~~

PANORAMIC

Panoramic uses web-services to extract, aggregate, manage and report on data from any source and enables governance and seamless collaboration at the project, program or portfolio level.

Dude Solutions

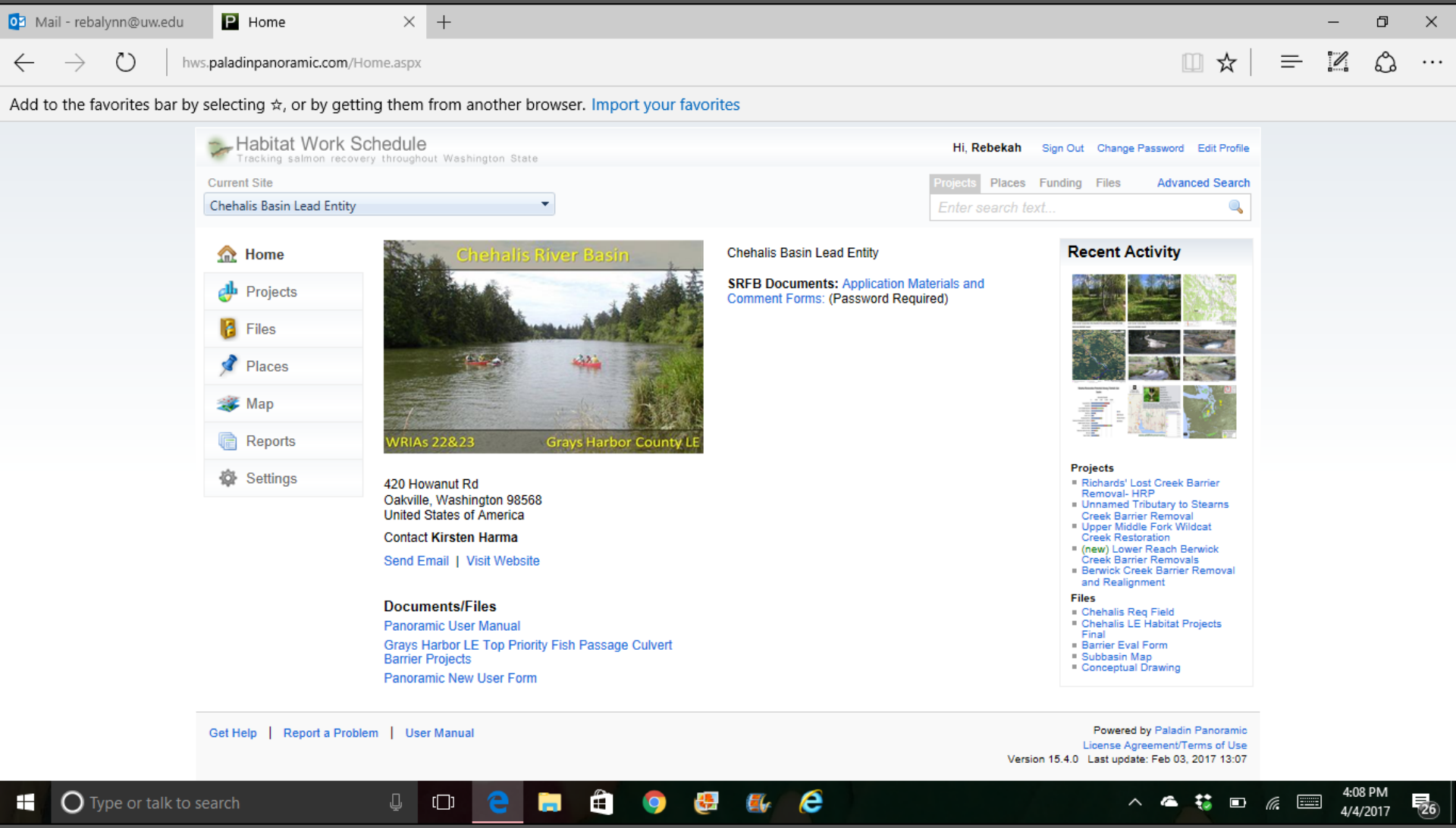
Panoramic tracks data and manages the public portal for the Pacific Coastal Salmon Recovery Fund.

Initiated in 2006, Citizens can access reports from State agencies and local organizations.

Agencies collaborate, share data, and report their successes in salmon recovery.

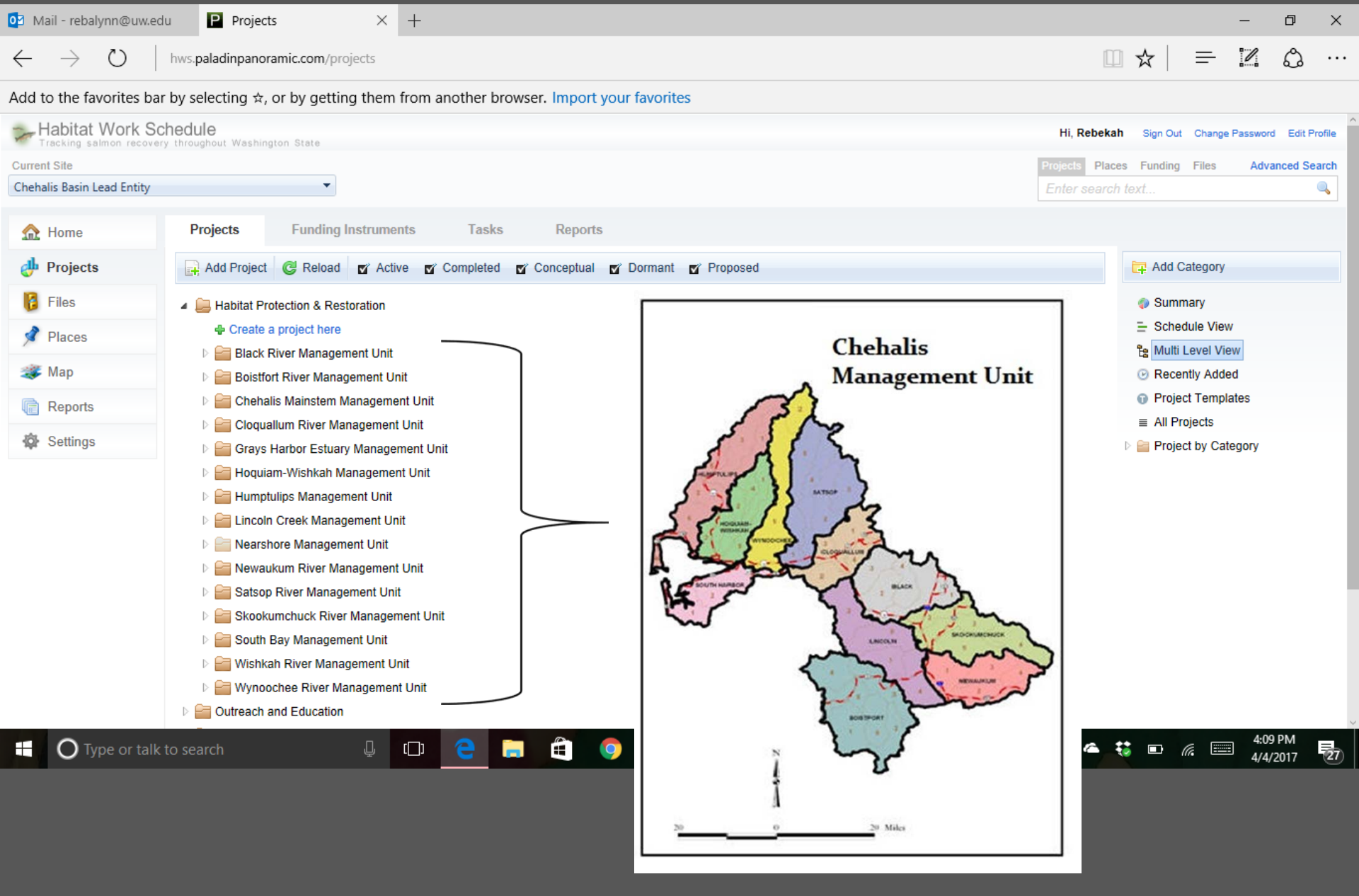
HWS Opening Page for Chehalis Basin

(Screen Shot)



HWS Multi-Level View for Chehalis Basin "Management Units"

(Screen Shot)



HWS Example Project Page

(Screen Shot)

Mail - rebalynn@uw.edu | Search

hws.paladinpanoramic.com/Search.aspx?m=Projects

Add to the favorites bar by selecting ☆, or by getting them from another browser. Import your favorites

Project

Options | Acquisition Projects | Tasks (0) | Shared with everyone | Get Link | Validation

Top | Funding | Related Projects | People and Organizations | Reporting Codes | Places | Notes | More

Chehalis Basin Lead Entity

Hoquiam Surge Plain Habitat Acqusition (#09-1348)

Completed (Edit)
Started on Dec 10, 2009 | Ends on Sep 30, 2011 | Priority: 1

Edit summary | Hide detailed description | Edit description

This project is the final phase towards acquisition of a total of 1358 acres, nearly ten river miles, including high quality surge plain and riparian habitats critical to rearing depressed salmon stocks of Hoquiam Fall Chinook and Hoquiam Winter Steelhead, as well as Coho, Chum and Coastal Cuthroat. Phase I was 714 acres and phase II will be 644 acres. The Chehalis Basin Salmon Habitat Restoration and Preservation Work Plan four primary goals, two of which emphasizes the preservation and restoration of important riparian areas and protection of Grays Harbor. The Hoquiam River Surge Plain contains tidally influenced channels and sloughs in a wetland matrix supporting a diversity of anadromous and resident fish species as well as avian species. The Hoquiam River spills into Grays Harbor approximately 2.5 miles south of the project area and its fresh waters flow across estuarine lands critical to several state sensitive species.

Goals and Objectives

Manage goals/objectives

Description

Protect intact habitat from degradation

100%

664 Completed

Goal: 664 Acres **Actual**: 664 Acres **Progress**: 100% Completed

Funding

Manage funding

Habitat Preserved

+ Add photo | Manage photos

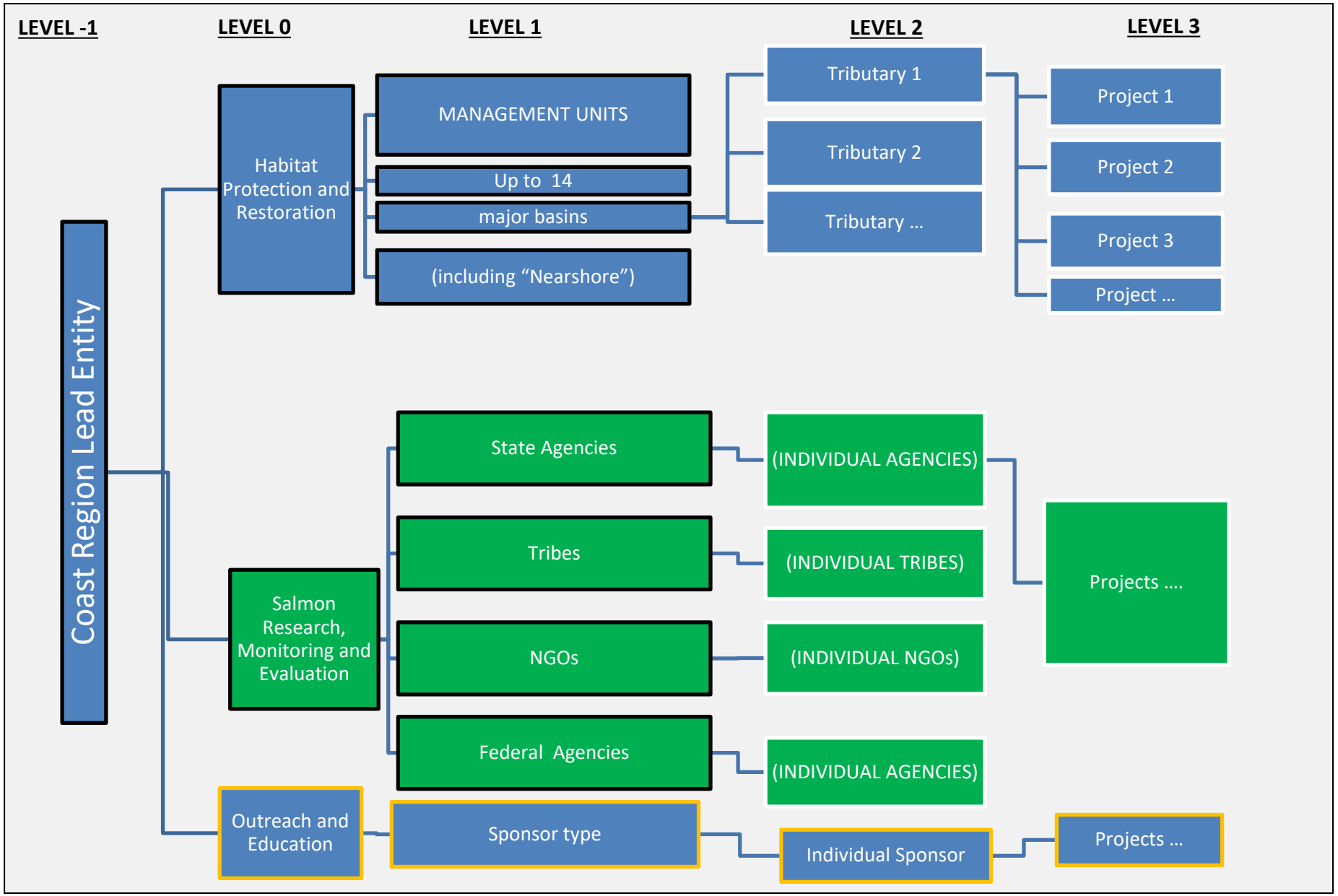
Click the link above to add photos

Manage project map

Type or talk to search

4:16 PM
4/4/2017

Washington Coast Region Habitat Work Schedule Hierarchy



December 2017

Chehalis Basin Habitat Work Schedule Phase 1 Final Report

Building the Project Data Archive

Rich Osborne, Rebekah Brooks, Kimberly Clark, Kirsten Harma and Jessica Helsley

3/20/2018

The Coast Salmon Foundation, working with their Habitat Work Schedule (HWS) team at the UW Olympic Natural Resources Center, was contracted by the Chehalis Basin Flood Authority to work with Chehalis Basin interests including landowners, conservation districts, Washington Department of Fish and Wildlife (WDFW), the Flood Authority, the Office of Chehalis Basin, Tribes, and other stakeholders to comprehensively update project documentation in HWS. The project objective was to extend and utilize HWS as a capital budget coordination, planning, and development tool for the Chehalis Basin. This approach was applied in the Chehalis Basin as a pilot study and is anticipated to be expanded to other watersheds throughout the state where appropriate. This report documents lessons learned from the first phase pilot effort of setting up project data framework and incorporating project information from multiple sources into HWS.

1: UW Olympic Natural Resources Center
2: Chehalis Basin Lead Entity
3: Coast Salmon Partnership and Foundation

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Core lessons learned so far:

- Select Uniform Metrics across all project data.
- Select an “independent” numbering system.
- Find an “independent” indicator of past projects.
- Bring all partners together face-to-face … regularly.

Homogenizing Tracking Metrics

"Numeric goals and objectives will be identified and adopted based upon metrics … that are consistent with or at least directly comparable with metrics used by state data systems. "

Coast Region Watershed Planning Metrics

1. Number of Barriers Removed/Replaced (culverts, bridges, abandonments …)
2. Number of instream structures added (wood structures, dolos, hardening points …)
3. In-Stream miles opened up.
4. In-Stream miles treated.
5. Riparian stream miles treated.
6. Riparian acres treated.
7. Upland acres treated (off-channel).
8. Upland acres opened up (off-channel).
9. Estuary acres treated.
10. Estuary acres opened up.

Select an “independent” numbering system

Coast Region HWS Auxiliary Numbering System

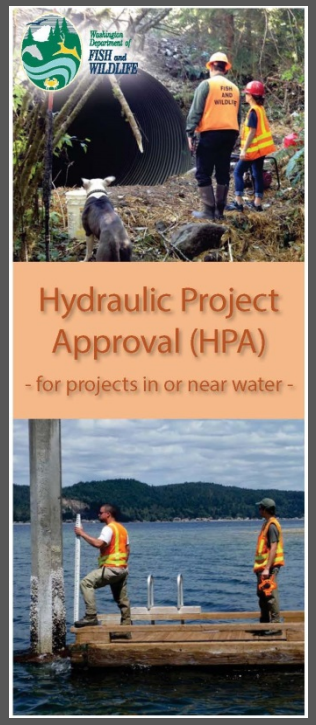
WRIA #	Source Code	Start Year	Project Count
20	WCRRI	14	01
21	ECOL	15	02
22	CBFA	16	03
23	WDFW	17	04
24	NRCS	…	…

Figure 8: Coast Region HWS Numbering System.

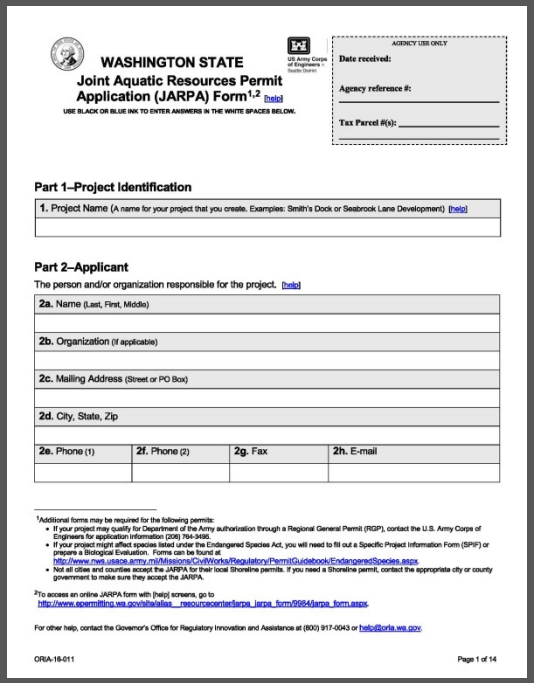
Find an Independent Indicator of ALL past projects in the landscape

What do all or almost all restoration and flood protection projects have as a common record of their existence?

Hydraulic Permit Applications (HPAs) &/or JARPAs



We are currently working with WDFW staff to find the most efficient way to use the HPA permit records as an independent benchmark for identifying missing landscape actions in our watersheds and to integrate them in HWS.



WASHINGTON STATE
Joint Aquatic Resources Permit Application (JARPA) Form[1,2] [help]
USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.

US Army Corps of Engineers – Seattle District

AGENCY USE ONLY
Date received:
Agency reference #:
Tax Parcel #(s):

Part 1–Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]

Part 2–Applicant

The person and/or organization responsible for the project. [help]

2a. Name (Last, First, Middle)			
2b. Organization (If applicable)			
2c. Mailing Address (Street or PO Box)			
2d. City, State, Zip			
2e. Phone (1)	2f. Phone (2)	2g. Fax	2h. E-mail

[1]Additional forms may be required for the following permits:
- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

[2]To access an online JARPA form with [help] screens, go to http://www.epermitting.wa.gov/site/alias__resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

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Core lessons learned so far:

- Select Uniform Metrics across all project data.
- Select an “independent” numbering system.
- Find an “independent” indicator of past projects.
- Bring all partners together face-to-face … regularly.

Compilation of Data Sources

(Assembling all players the “Washington Way”)

Municipal Partners

-Grays Harbor County
-Lewis County
-Mason County
-Thurston County
-Port of Centralia
-Port of Grays Harbor
-City of Aberdeen
-City of Centralia
-City of Chehalis
-Hoquiam
-McCleary
-Montesono
-Napavine
-Ocean Shores
-Thurston PUD
-Grays Harbor Water District

Tribal Partners

-Chehalis Tribe
-Quinault Indian Nation

Agency Partners

-WA Dept. of Ecology
-WA Dept of Fish and Wildlife
-WA Dept of Natural Resources
-US Fish and Wildlife Service
-Recreation and Conserv. Office

Implementation Partners

-Capitol Land Trust
-Chehalis River Basin Land Trust
-The Nature Conservancy
-Center for Natural Lands Management
-Heernet Foundation/ Creekside Conservancy
-Chehalis Small Forest Landowners Program
-Chehalis Basin Education Consortium
-Forterra
-Lewis County Conservation District
-Thurston Conservation District
-Mason Conservation District
-Grays Harbor Conservation District
-Chehalis Basin Fisheries Task Force
-Chehalis River Council

-Marine Resources Committee
-Wild Fish Conservancy
-Grays Harbor Stream Team
-Westport Aquarium
-Ducks Unlimited
-Trout Unlimited
-Grays Harbor College Fish Lab
-Grays Harbor Historical Seaport

Chehalis Basin Lead Entity & Habitat Work Group

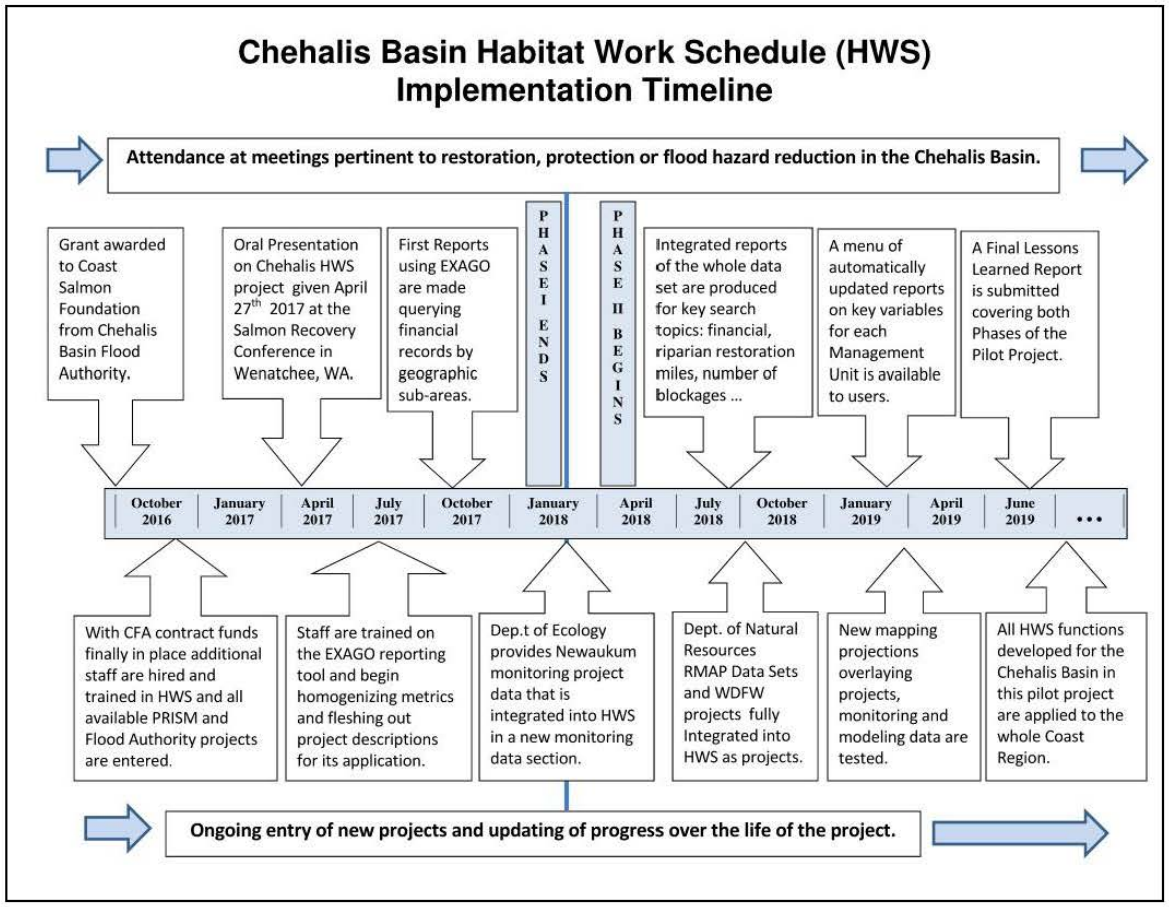
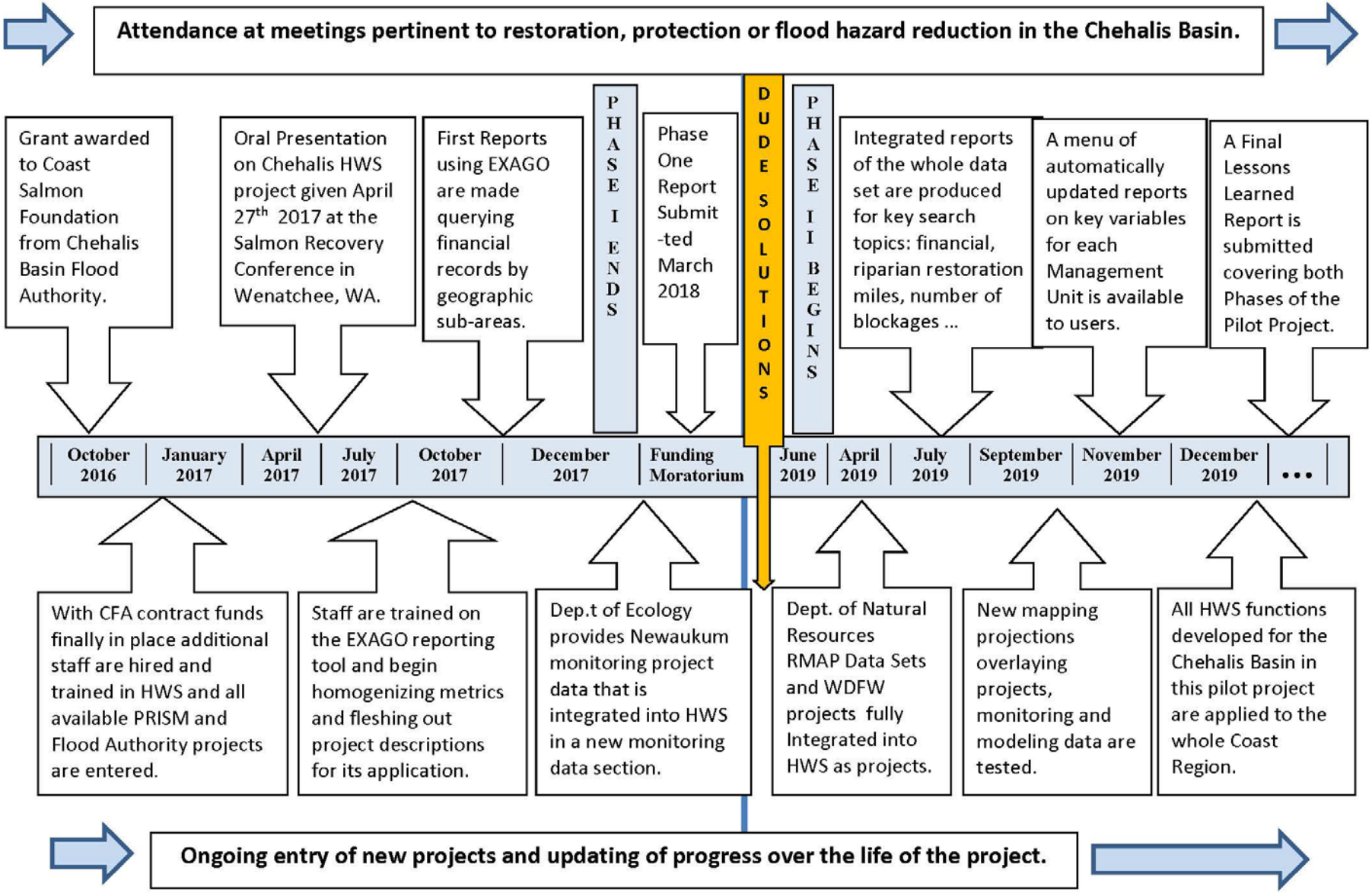


Figure 10: Chehalis Basin HWS Pilot Project Timeline.

Phase II of this project will continue to add new projects and update progress on active projects, but the primary focus will be on integrating large agency data sets and improving the mapping and reporting interface for the end user. With those improvements in place, the Chehalis Basin HWS should only require adding new projects and updating active projects over the long-term to remain functional into the future and to achieve our objective of providing a tool to assess all factors of restoration projects across the landscape.

Chehalis Basin Habitat Work Schedule (HWS) Implementation Timeline



QUESTIONS ?

http://hws.ekosystem.us/