



Federal Columbia River Power System

Cultural Resources Program Systemwide Meeting – October 17, 2022

Meeting Overview

01

Program
Update
(Program Mgrs.)

02

Keynote
Address
(Ira Matt)

03

Cooperating
Group
Presentations
(Project Mgrs.)

Agenda

- About 4 hours

Time (Pacific Zone)	Topic
8:45am to 9:00am	System testing; pre-meeting interactions; WebEx tutorial
9:00am to 9:15am	Welcome and Opening
9:15am to 9:45am	Cultural Resources Program Update - 20 minute presentation; 10 minute Q&A
9:45am to 10:15am	Keynote Address – Ira Matt, Director, Office of Native American Affairs Advisory Council on Historic Preservation (ACHP)
10:15am to 10:30am	Break
10:30am to 11:30am	Cooperating Group Presentations (10 minutes each) <ul style="list-style-type: none">• Wana Pa Koot Koot• Payos Kuus Cuukwe• Timiimap• Chief Joseph• Lake Roosevelt Spokane Arm• Lake Roosevelt Mainstem
11:30am to 12:00pm	Lunch
12:00pm to 12:30pm	Cooperating Group Presentations (continued) <ul style="list-style-type: none">• Albeni Falls• Libby• Hungry Horse
12:30pm to 12:45pm	Closing

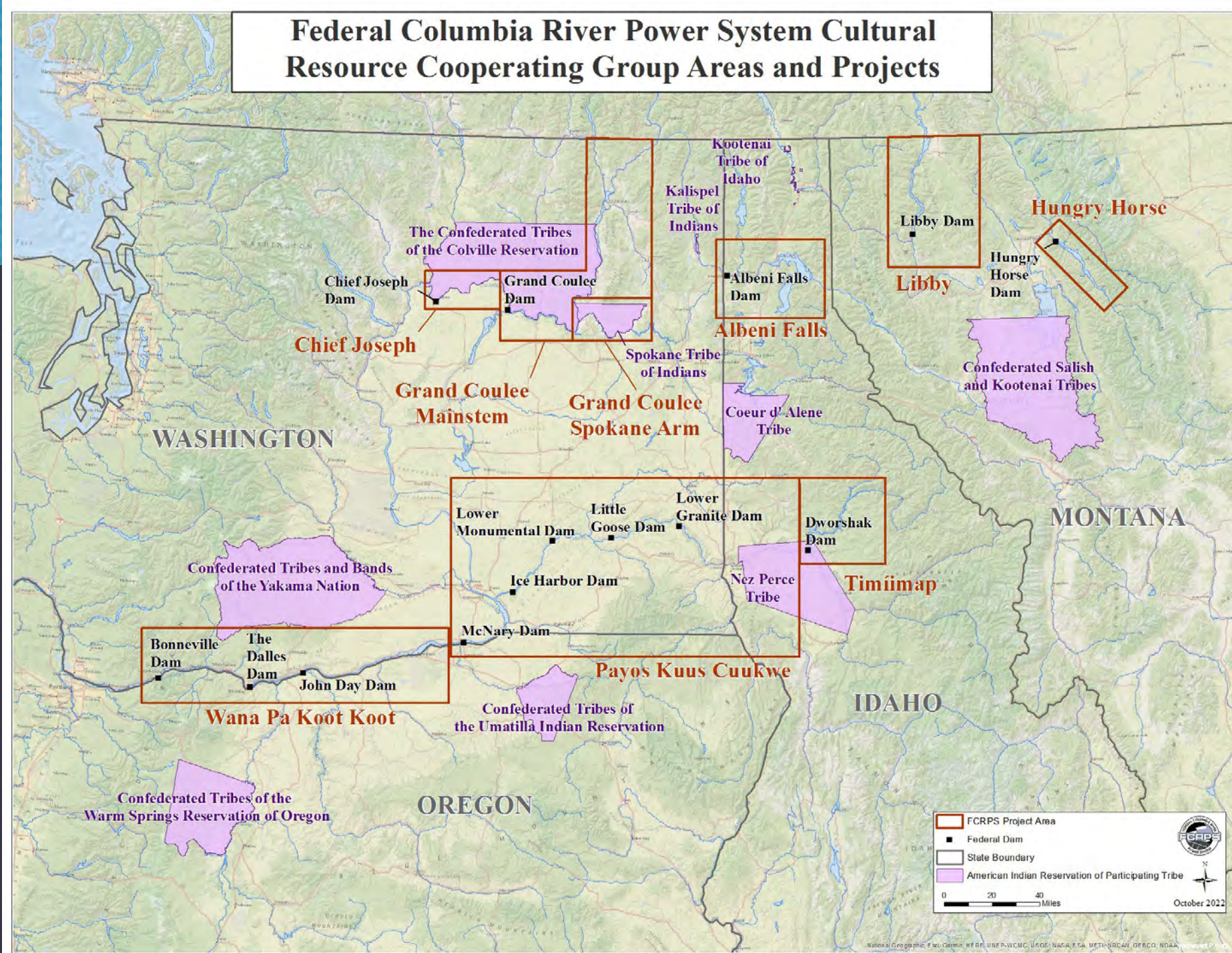


Program Update – the Basics

- Scope: historic properties at 14 federally owned, operated & maintained dams and reservoirs in the Columbia River Basin
- Purpose: assist Bonneville, Corps, and Reclamation (the Lead Federal Agencies [LFAs]) in fulfilling Section 106 of the National Historic Preservation Act (54 U.S.C. § 306108)
- Framework: Systemwide Programmatic Agreement (SWPA), which provides standards, requirements, and obligations for compliance with Section 106 from 2009 to 2029
 - The SWPA formalizes the Program's Cooperating Groups
 - Serve as the principal mechanism for communication between the LFA's and the consulting parties
 - Facilitate "exchanging views, technical information, and planning advice" (SWPA Stip. IX. B.)
 - Project-specific programmatic agreements (PSPAs) and stand-alone Historic Property Management Plans (HPMPs) provide further definition for individual hydroelectric projects

Program Map

- 14 Projects
- 9 Coop Groups



Program Update – Long Term Goals

- Develop PSPAs or stand-alone HPMPs for all 14 projects by 2029
- Complete inventory within each Project's Area of Potential Effects (APE) by 2029
- Complete National Register Determinations of Eligibility & Findings of Effect such that mitigation projects can proceed
 - 5 sites/year per coop. group or 25 sites in 5 years
- Complete mitigation for high priority historic properties at the 14 projects
 - Finalize 2 Treatment Plan Forms per coop. group annually
- FCRPS products and deliverables widely distributed and used
 - Posting 1 article or program product per year on the Program website
- Program maintains collaborative relationships internally and externally
 - Forthcoming Program survey

Program Update – PSPA/HPMP Schedule

- Schedule updated recently to reflect realities of timing and spreading out work

Old Schedule

Project	Project	Due by End of
Hungry Horse	-	FY20
Chief Joseph	-	FY21
The Dalles	McNary	FY22
Lake Roosevelt	Albeni	FY23
Dworshak	John Day	FY24
Little Goose	Bonneville	FY25
LoMo	Ice Harbor	FY26
Lower Granite	Libby*	FY27
{float}	{float}	FY28
{float}	{float}	FY29

New Schedule

Project	Project	Due by End of
-	-	FY20
-	-	FY21
Hungry Horse	Chief Joseph	FY22
The Dalles	McNary	FY23
Dworshak	Lake Roosevelt	FY24
John Day	Little Goose	FY25
Albeni	LoMo	FY26
Bonneville	Ice Harbor	FY27
Libby	Lower Granite	FY28
{float}	{float}	FY29

Program Update – Inventory Schedule

- This schedule also updated to reflect delays in the inventory work

Old Schedule

Project	Project	Due by End of
{float}	{float}	FY20
Lower Granite	Albeni	FY21
Bonneville	McNary	FY22
Lake Roosevelt	The Dalles	FY23
Dworshak	John Day	FY24
Chief Joseph	Ice Harbor	FY25
LoMo	Little Goose	FY26
{float}	{float}	FY27
{float}	{float}	FY28
{float}	{float}	FY29

New Schedule

Project	Project	Due by End of
-	-	FY20
-	-	FY21
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Lower Granite	McNary	FY23
Dworshak	Bonneville	FY24
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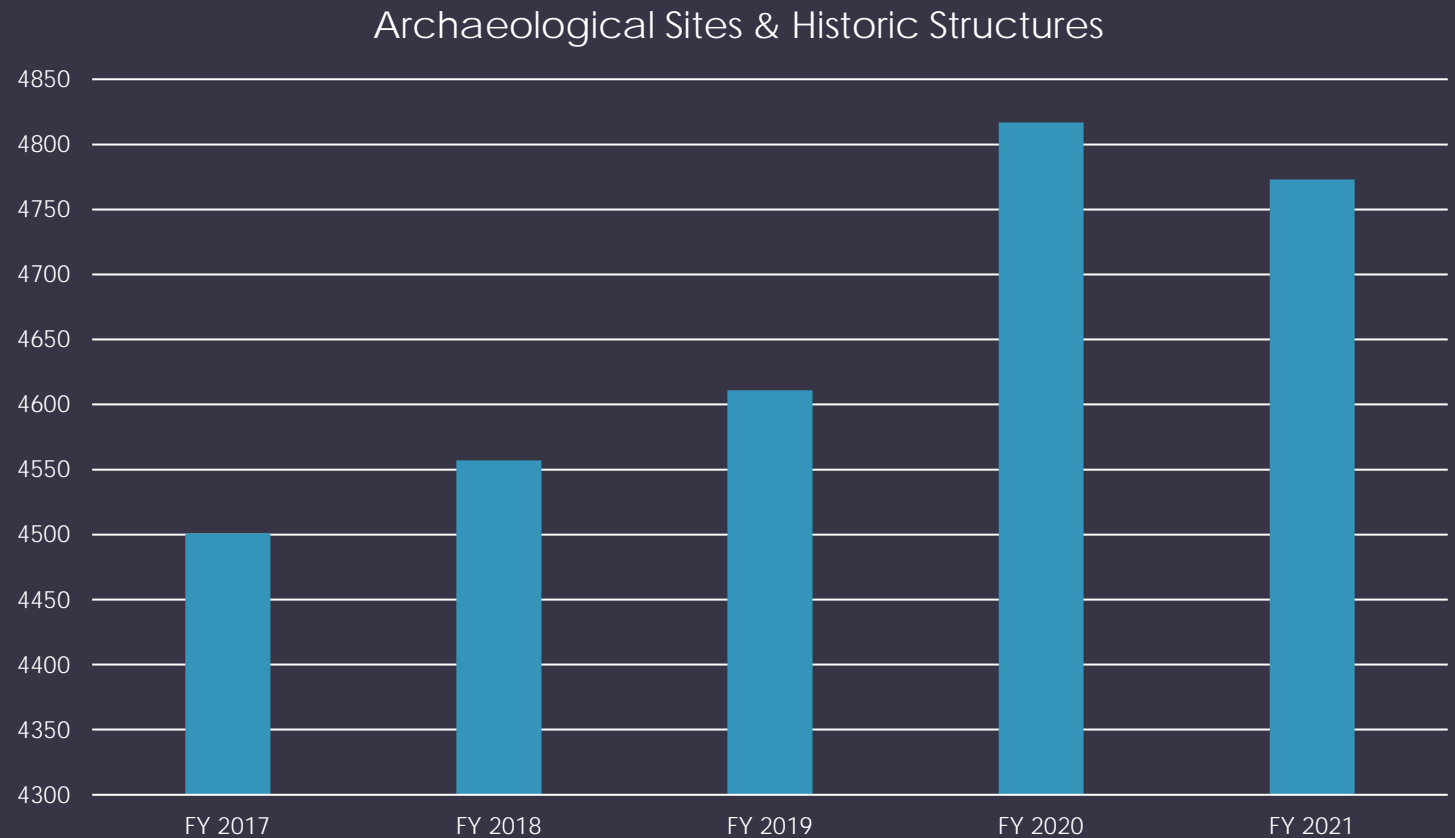
Program Update – Recorded Resources

Year	Archaeological Sites & Historic Structures*
FY 2021	4773
FY 2020	4817
FY 2019	4611
FY 2018	4557
FY 2017	4501

○ Traditional Cultural Properties reported starting in FY 2020

○ FY 2021: 786

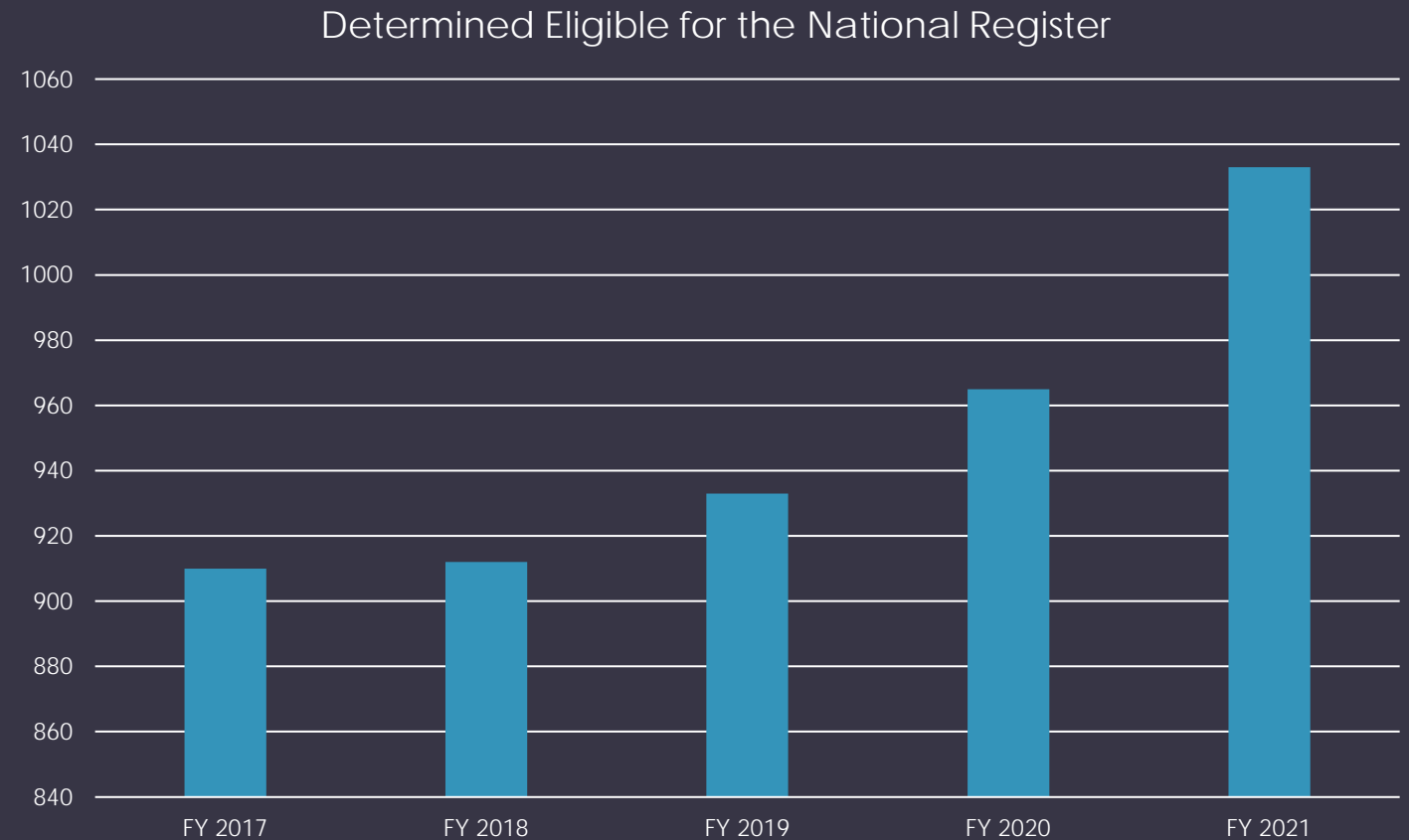
○ FY 2020: 784



* Data drawn from the FCRPS Cultural Resource Program Annual Reports

Program Update – Evaluated Properties

Year	Total Cumulative Properties Determined Eligible for the National Register*
FY 2021	1033
FY 2020	965
FY 2019	933
FY 2018	912
FY 2017	910



* Data drawn from the FCRPS Cultural Resource Program Annual Reports

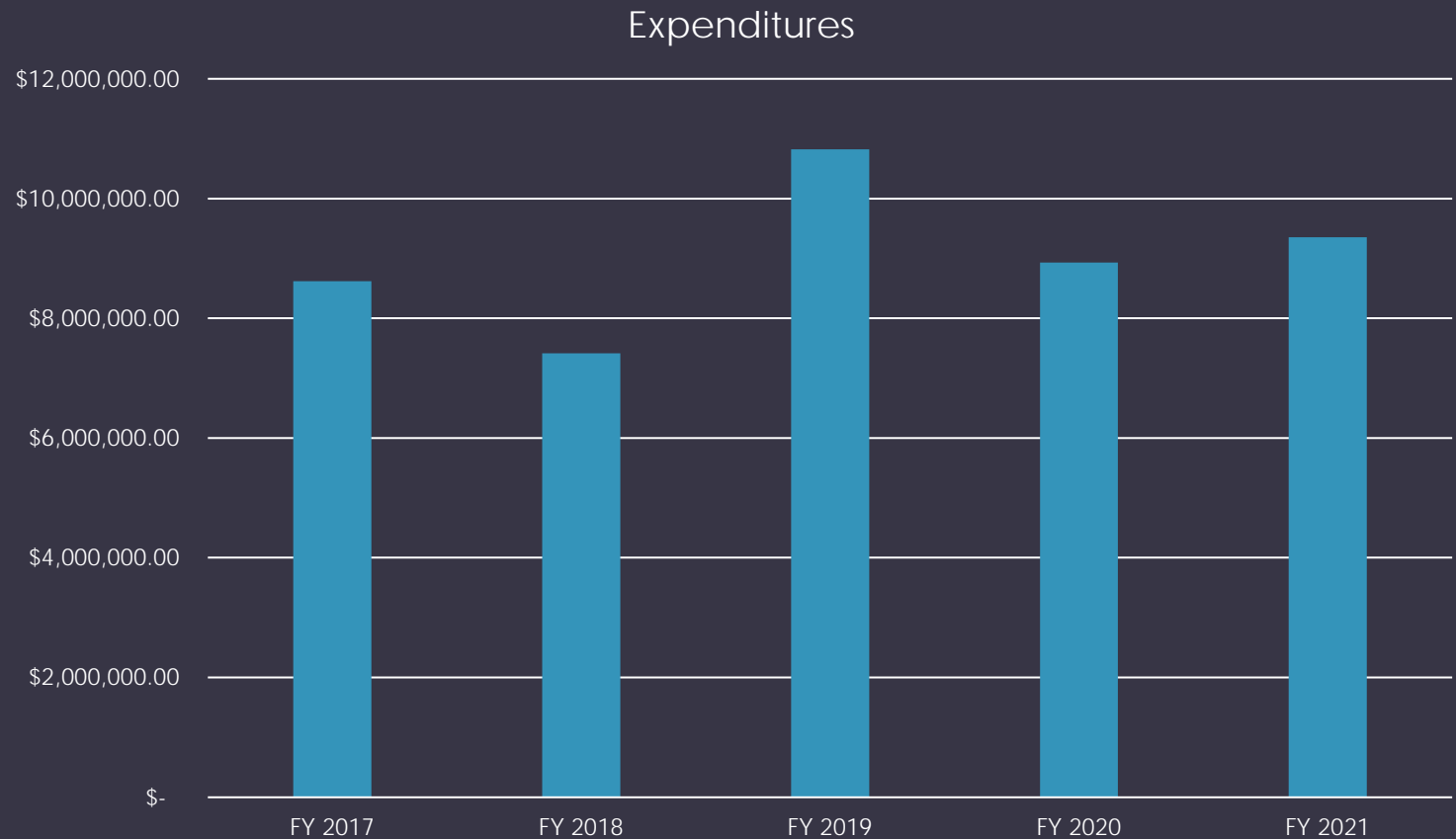
Program Update – Mitigation Projects

- Details will be covered in the individual Cooperating Group presentations
- Examples
 - Archaeological site stabilization projects
 - Signage placement
 - Relocation and protection of petroglyphs and pictographs
 - Creative mitigations
- Mitigation of adverse effects at historic properties of religious and cultural importance to tribes likely to be discussed at the next Traditional Cultural Property SubCommittee Mtg.
 - Tentative schedule: Mid-June 2023
 - Reclamation is the organizer in FY 2023

Program Update – Expenditures

Year	Annual Expenditures*
FY 2021	\$9,350,948
FY 2020	\$8,929,000
FY 2019	\$10,824,062
FY 2018	\$7,414,163
FY 2017	\$8,616,640

○ Cumulative total since 1999: \$140 million



* Data drawn from the FCRPS Cultural Resource Program Annual Reports

Program Update – Future Challenges

- Turn-over in agency personnel means that Program will be in a rebuilding phase
- Process of developing PSPAs and Stand-Alone HPMPs, while productive, has taken longer than agencies expected
- Process and schedule for considering the extension of the Systemwide Programmatic Agreement, which is currently slated to become “null and void unless extended” in 2029
 - See Systemwide Programmatic Agreement, Stipulation II.F.

Program Update – Questions?

- 10 minutes: brief questions for the Program Managers?

Keynote Address – Ira Matt, ACHP

- Ira has more than 22 years of historic preservation and cultural resources management experience at both the tribal and federal levels. He began working at the ACHP in 2015 as a program analyst in the Office of Federal Agency Programs. In 2018, he moved to the Office of Native American Affairs (ONAA) as a senior program analyst, where he led ONAA's traditional knowledge initiative and co-authored the ACHP's *Early Coordination with Indian Tribes* handbook. He also served on several committees of the White House Council on Native American Affairs.
- His prior federal experience includes serving as the Federal Preservation Officer/National Archaeologist for the U.S. Department of Agriculture's Natural Resources Conservation Service and as a tribal affairs specialist for the Department of Energy.
- He is Salish and an enrolled member of the Confederated Salish and Kootenai Tribes.
- He received his BA and MA in anthropology from the University of Montana and a Master of Jurisprudence in Indian Law from the University of Tulsa College of Law.

Cooperating Group Presentations

- Wana Pa Koot Koot (Portland District Corps projects)
- Payos Kuus Cuukwe (Walla Walla District Corps projects)
- Timíimap (Dworshak Reservoir, Walla Walla District Corps)
- Chief Joseph (Seattle District Corps)
- Lake Roosevelt, Spokane Arm (Reclamation)
- Lake Roosevelt, Main Stem (Reclamation)
- BREAK for lunch
- Albeni Falls (Lake Pend Oreille, Seattle District Corps)
- Libby (Lake Koocanusa, Seattle District Corps)
- Hungry Horse (Reclamation)

Closing

- Planned for 15 minutes

WANA PA KOOT KOOT



October 2020 - September 2022 (FY21-22) accomplishments

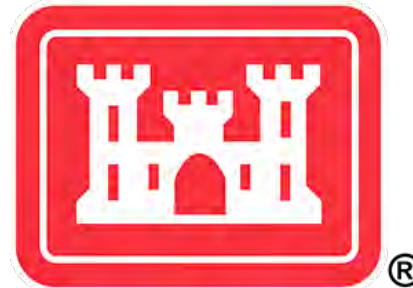
People Working Together on the River

Addresses impacts to cultural resources at Bonneville, The Dalles, and John Day pools.

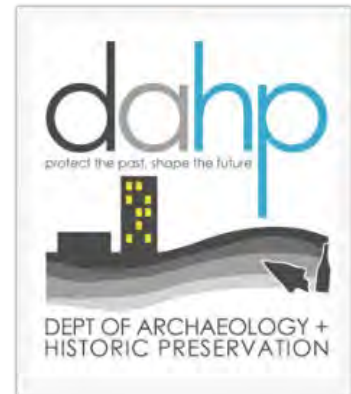
- 4 federal agencies
- 4 tribes
- 2 state historic preservation offices

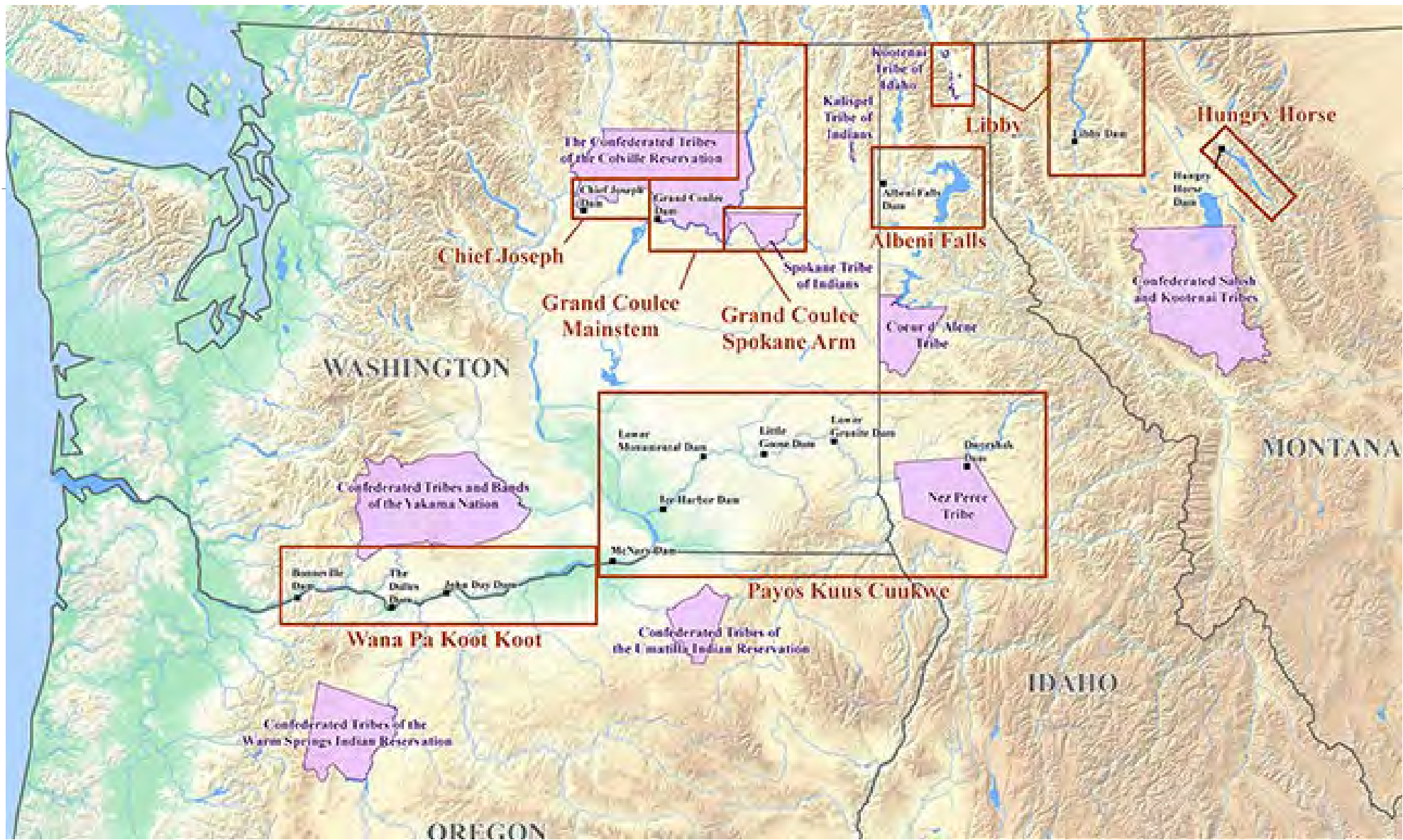


Nature
HISTORY
Discovery



Bonneville
POWER ADMINISTRATION





Tribal Contracts FY21 and FY22 25 Contracts

Sites Visited

- 67 Walkthrough
- 38 Baseline
- ❖ 31 Total Site Updates Completed

TCP/HPRCSIT Identifications, Monitoring, and Documentation

- 9 Total Contracts
- 33 Identified/Revisited
- ❖ 15 Total National Register Documentations

Historic Context

- 2 Contracts

Elder Interviews

- 13+ Elder Interviews

Others

- Transcribe/Modernize Existing Audio-Visual Information
- Historic Context Statements
- Construction Monitoring
- Collection Curation



Grant House Petroglyph Relocation

February 2021

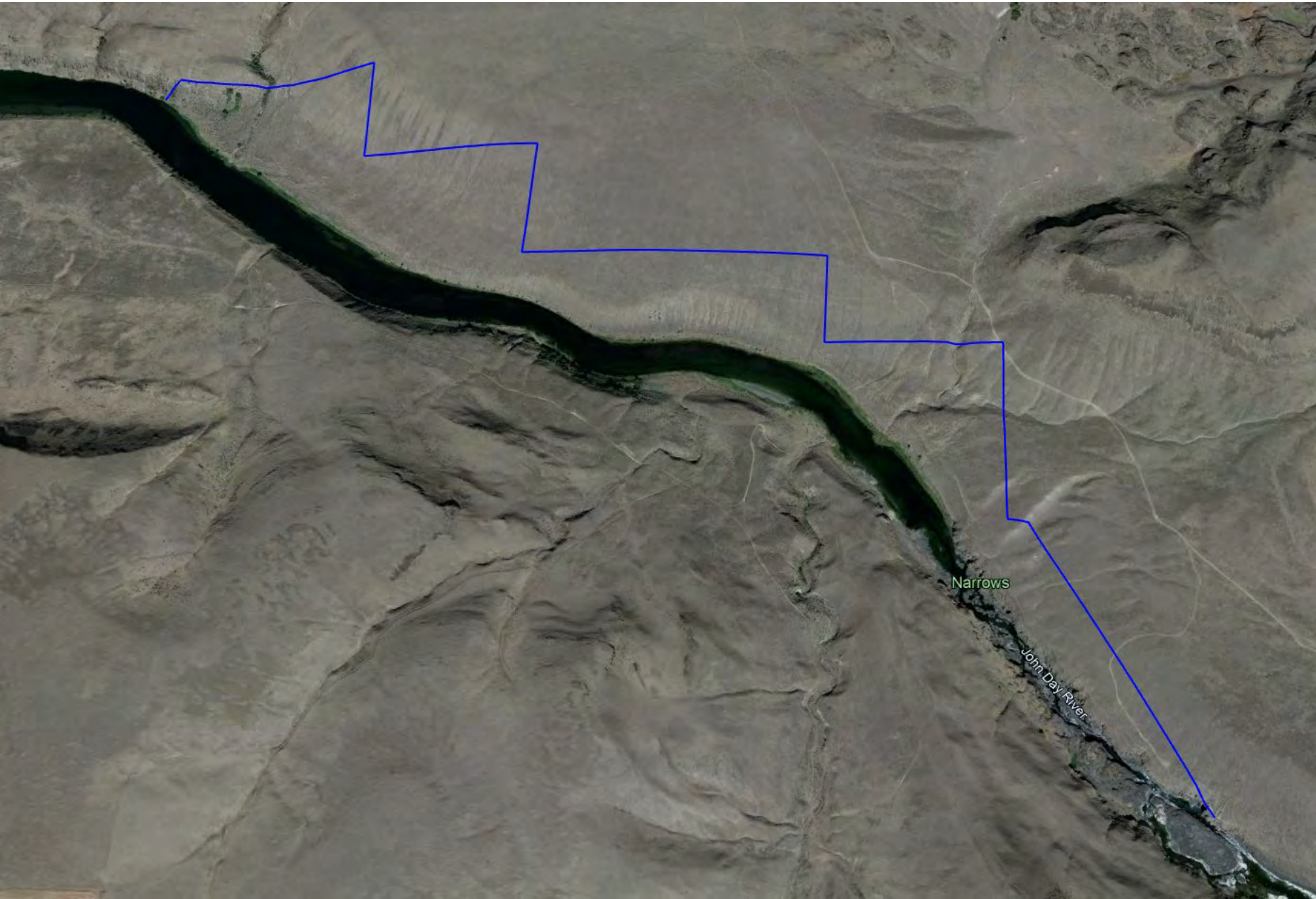






John Day Fencing

February 2022

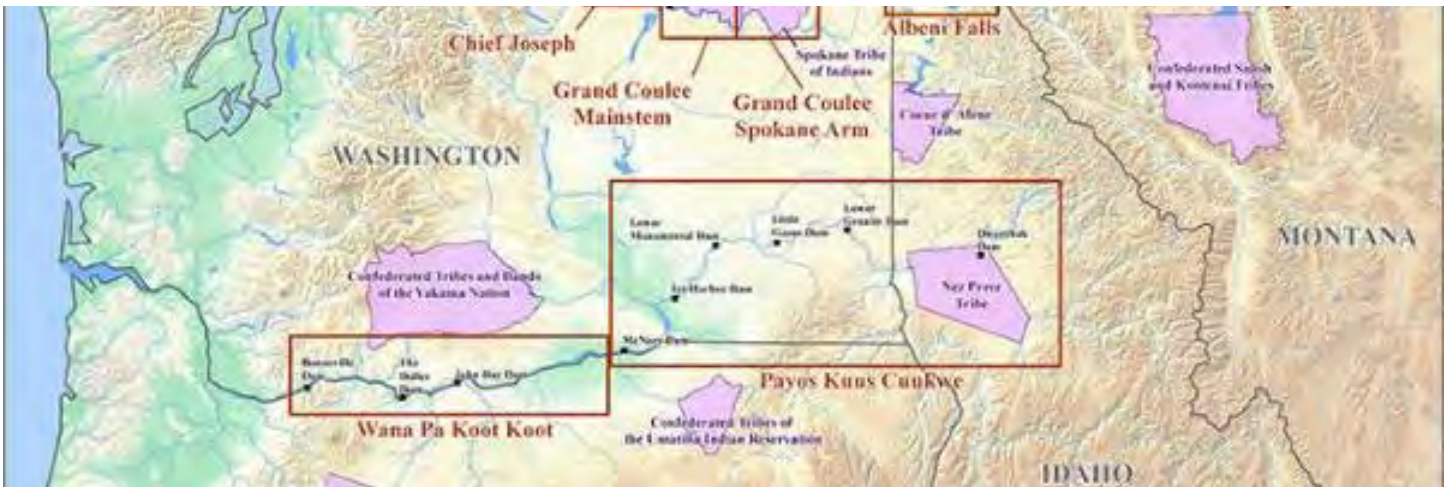






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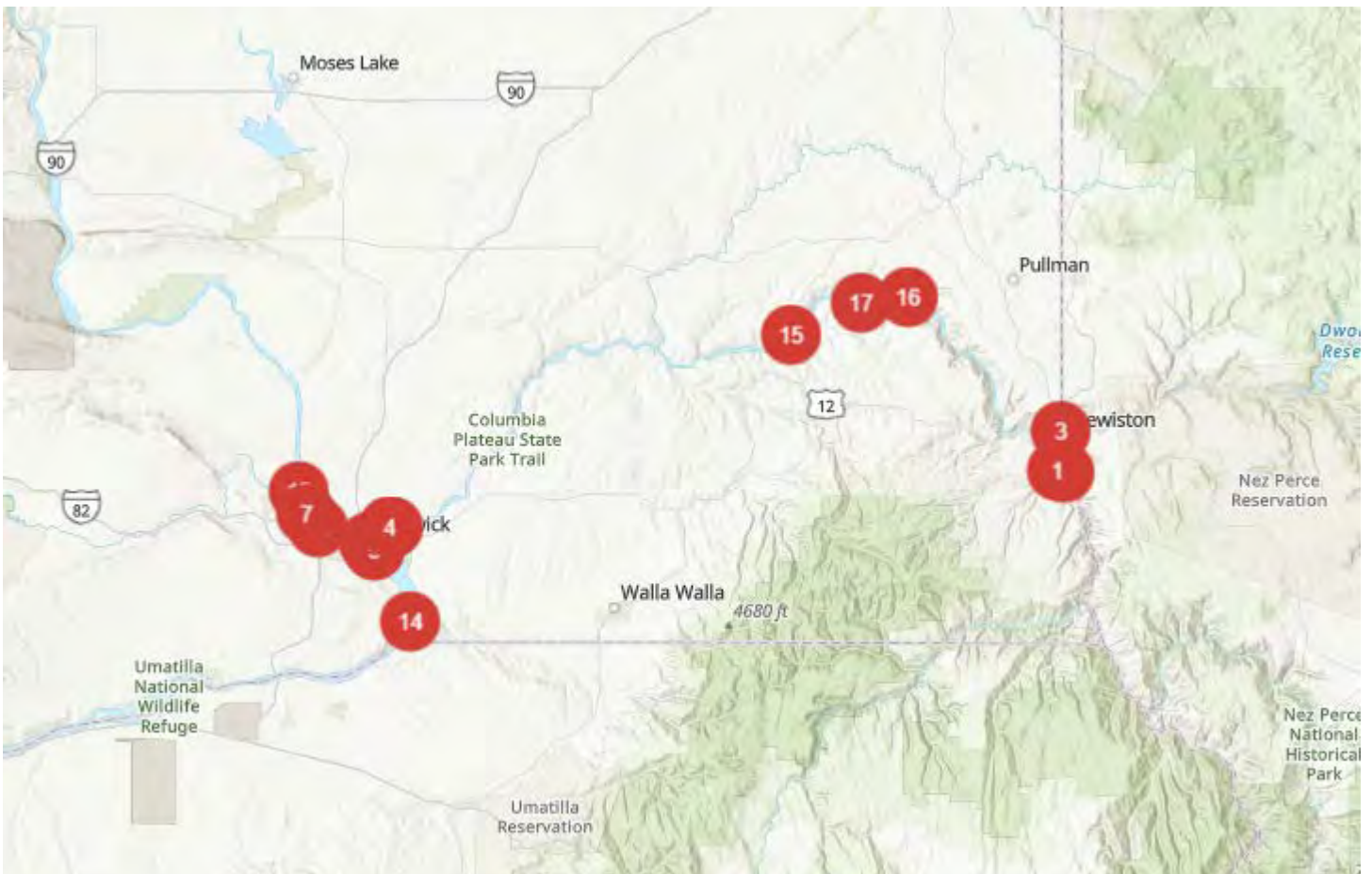


Payos Kuus Cuukwe

Royce Johnson

Draft

Payos Kuus Cuukwe Site Visits



1 2021: Hasotino (10NP141)



Bank Stabilisation - Willow Plantings

Interpretive sign needs replacing

2 2021: Red Elk Rockshelter (10NP287)





Impacts from camping noted

Trail to site was cleared of vegetation and rocks

Rock climbing ancors noted along cliff face leading to site

3

2021: 45AS99



Slumping cutbank

4

2021: 45FR04



Heavy vegetation along shore

Some erosion undercutting bank

5 2021: Two Rivers (45BN14)



Erosion undercutting bank

6 2021: 45BN52



Bank stabilization riprap and willow plantings

Some plantings did not survive

7 2021: Columbia Point (45BN23)



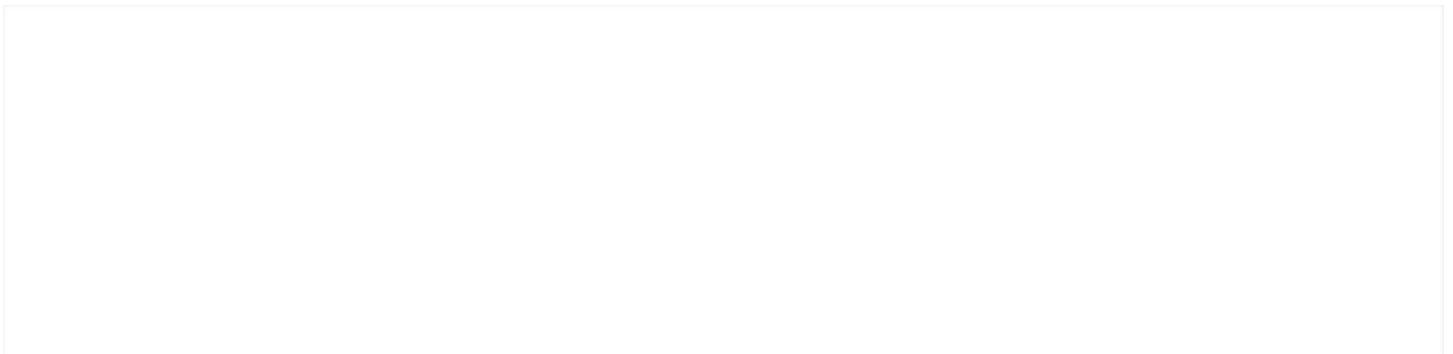
Bank erosion above cobble beach

8 2022: Strawberry Island (45FR5)



Erosion along bank

9 2022: 45FR4





No significant change from 2021

10 2022: Two Rivers (45BN14/1656)



Cutbank appears same as previous visits

11 2022: Indian Island (45FR621)



Impacts from recreation, including duct blind, campfire rings, and dog burial

Artifacts identified in the shallow water next to the island

12 2022: Nelson Island (4BN191)



Plantings was not well established at the tip of the island but can be seen towards the center

13 2022: Columbia Park (45BN52)



Shoreline stabilisation plantings sporatically successful

Picnic table removed from shoreline

14 2022: Twin Sisters



Not Federally owned (Walla Walla County)

Working to obtain permits to conduct survey

15 2022: New York Bar (45GA1)



Cattle watering easment with fencing going down to the water, but with broken barbed wire

No severe cattle impacts were noted

Possible erosion treatment for dune needed

16 2022: Illia Bar (45GA26/27)



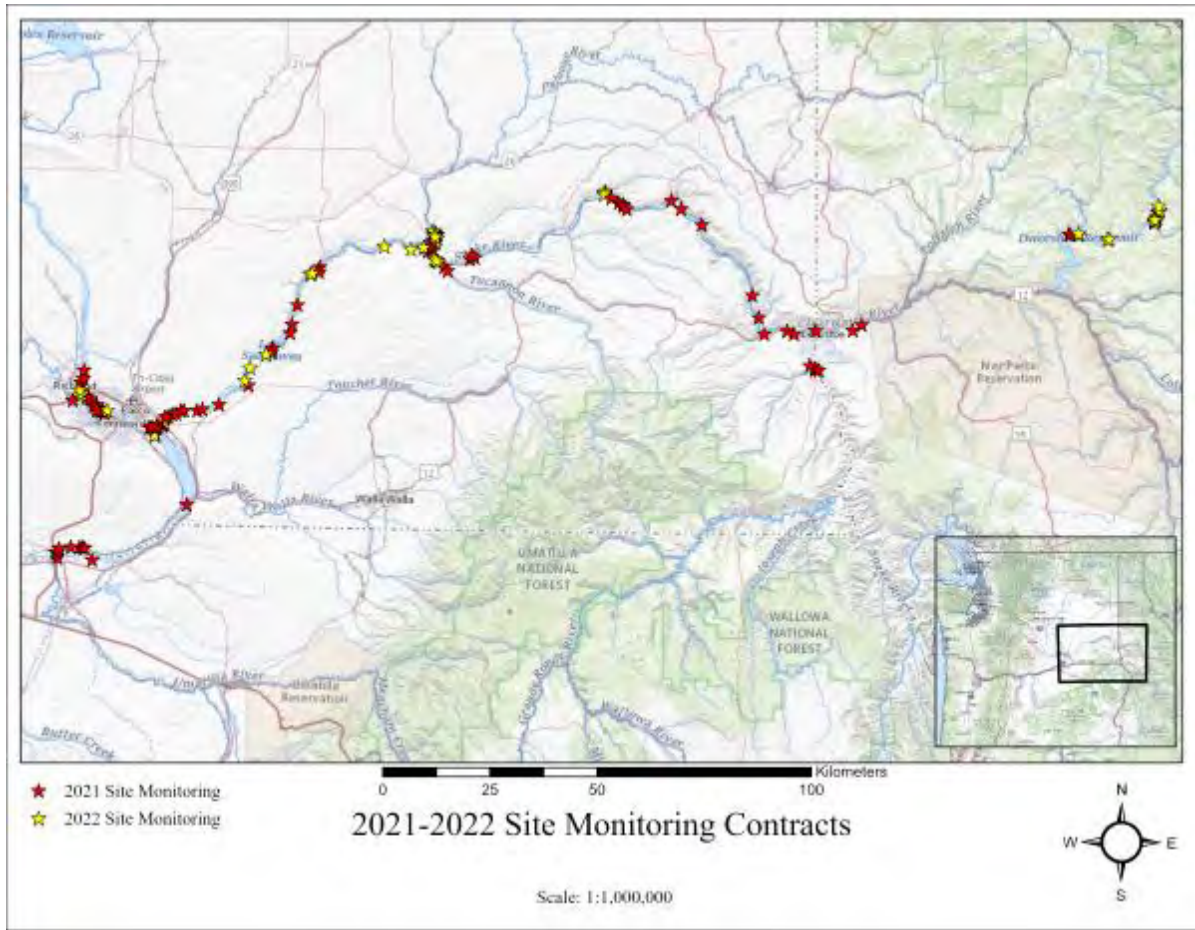
Bank erosion with access of shoreline for recreation

17 2022: Swift Bar (10WT10/30/31)



Bank erosion

Site Monitoring FY21/22



143 Total Sites (2021-2022)

Lower Granite Private Land Inventory



Esri, NASA, NGA, USGS | WA State Parks GIS, Esri, HERE, Garmin, SafeGraph, METI/NAS... Powered by Esri



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, WALLA WALLA DISTRICT
201 NORTH 3RD AVENUE
WALLA WALLA, WA 99362-1876

September 21, 2022

Real Estate Division

Michael & Debbie Beuke
1309 Westlake Dr.
Clarkston, WA 99403
Reference: Parcel: 11320023100010000

Dear Michael & Debbie Beuke:

Throughout time, lands along the Columbia and Snake rivers have had many uses, leaving important traces of that history on the land. In an effort to better understand how Lower Granite Lock and Dam, the reservoir, and associated facilities may be affecting these important traces of history, the U.S. Army Corps of Engineers (Corps), in cooperation with the Bonneville Power Administration (BPA), is working through the Federal Columbia River Power System Cultural Resources Program to identify and address impacts to cultural resources on both Government and privately owned lands. Cultural resources can include archaeological sites, historic buildings and structures, and areas having cultural importance to Indian Tribes. As your lands are adjacent to those owned by the Corps, we are seeking permission to temporarily access portions of your property for the purpose of allowing a small group to walk over and view the property.

Prior to anyone accessing your property to conduct these surveys we are required to request and receive your written permission, if you are willing to grant that permission. Enclosed is a blank copy of the standard Right-of-Entry (ROE) form that the Corps uses to access properties they currently do not have authority to enter.

I understand this letter likely creates questions for you. We welcome the opportunity to speak with you to discuss this program, as well as agreements that protect your rights as the landowner while allowing the Corps of Engineers temporary access to your property. If you would be interested in participating in the program, or have questions, please contact our Chief of Cultural Resources, Mr. Scott M. Hall at scott.m.hall@usace.army.mil or 509-527-7274. I thank you for taking the time to consider this request.

Sincerely,

Rodney Huffman
Chief, Real Estate Division

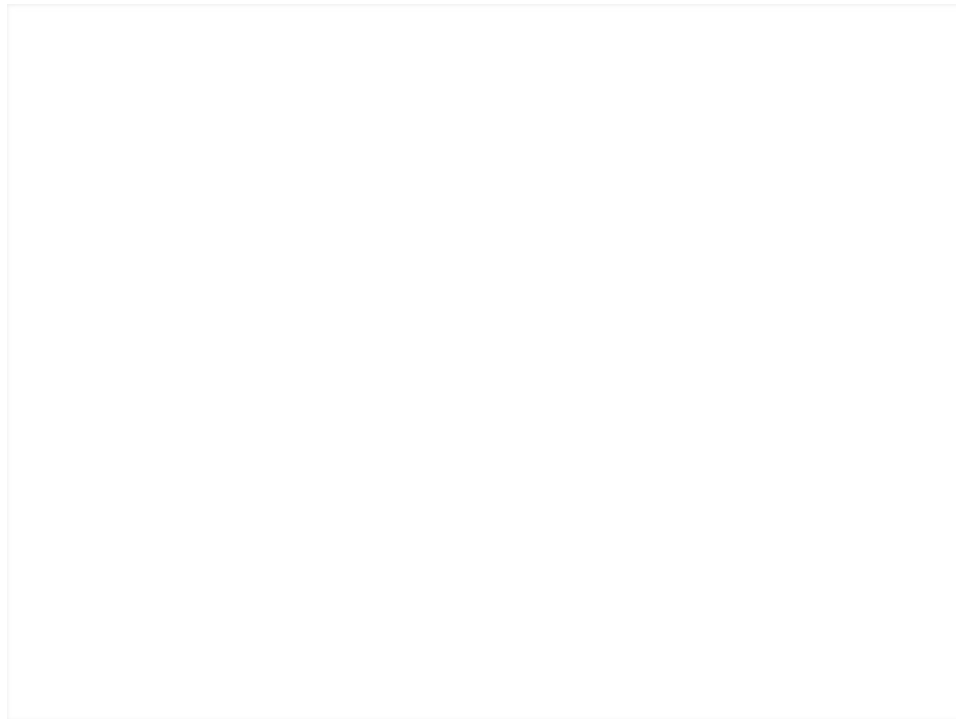
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Enclosure

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Palus Canyon TCP mitigation



Nez Perce Tribe Storymap



The CCT and CTUIR conducted a Baseline Study of cultural plants and their traditional

uses within the vicinity of the Palus Canyon TCP

The CCT and CTUIR performed two days of field reconnaissance at Lyon’s Ferry and Palouse Falls in order to plan a collaborative restoration project for these sites

The CCT and CTUIR generated a brief report on their findings, including the native and non-native species present, alternative restoration treatments, and recommendations.

Chiawana Collection Analysis



Figure 60. Management recommendations for the northern part of site 45FR101 where it is on public lands.

Chiawana Park Cultural Site: Archaeological Overview and Synthesis
Franklin County, Washington

September 7, 2022
AINW Report No. 4816

A contractor for the Corps (AINW) prepared an archaeological overview and synthesis for the Chiawana Park site (45FR14/15/101) (Contract W912P9-17-D-0012). The work included analysis

of over 19,000 artifacts from site excavations in 1967 (which had previously not been reported), a site form update, and preparation of a synthesis incorporating results from later work at the site. The report not only includes recommendations for future work with the collections, but also maps and information for land managers when considering site stabilization, future excavation, and construction proposals within the site boundaries.

NP131 Rock Climbing Closure



Esri, NASA, NGA, USGS, FEMA | WA State Parks GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, M... Powered by Esri



Rock climbing anchors



Rock climbing ancors

NP151 Fence Installation





Esri, NASA, NGA, USGS, FEMA | WA State Parks GIS, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, M... Powered by Esri



Fence Installation



Gate and Fence

Cottonwood Cove (45BN202) TPF



- Addition of riprap to the 2015 revetment
- Use of a properly installed wave attenuator
- Plantings of tule behind the attenuator

45WW13 TPF





Maxar, Microsoft

Powered by Esri

- Recommended the placement of sediment or sediment bags in what remains of the dugout area subject to potential looting
- One 'No All-Terrain Vehicles' sign placed at the fork in the road that leads down onto the site and onto Corps property
- On a separate T-post, a double sign with 'No Digging or Collecting Artifacts on Federal Land' and 'Leave No Trace' signs.
- Boulders be placed at the same area to discourage off-road travel



Looter hole filled with gravel



Installed sign on access road

45AS99 TPF



Planting a native tule (*Schoenoplectus acutus*) along the base of the cutbank and in the shallow waters in front of the beach (cove) area

During the planting, a chain holding a "Do Not Disturb – Planting in Progress" sign will be placed across entrances down to the cove. And a barrier or other deterrent will potentially be placed in the water to keep boaters and swimmers from accessing the cove and beach from the water.

Removal of a small, modern rock alignment comprised of two parallel lines



Eroding Bank

Timíimap

NEW WORKING GROUP FOR DWORSHAK DAM



PKC is the largest working group

- Six dams across three states
- Five tribes
- Three state agencies
- Two federal agencies

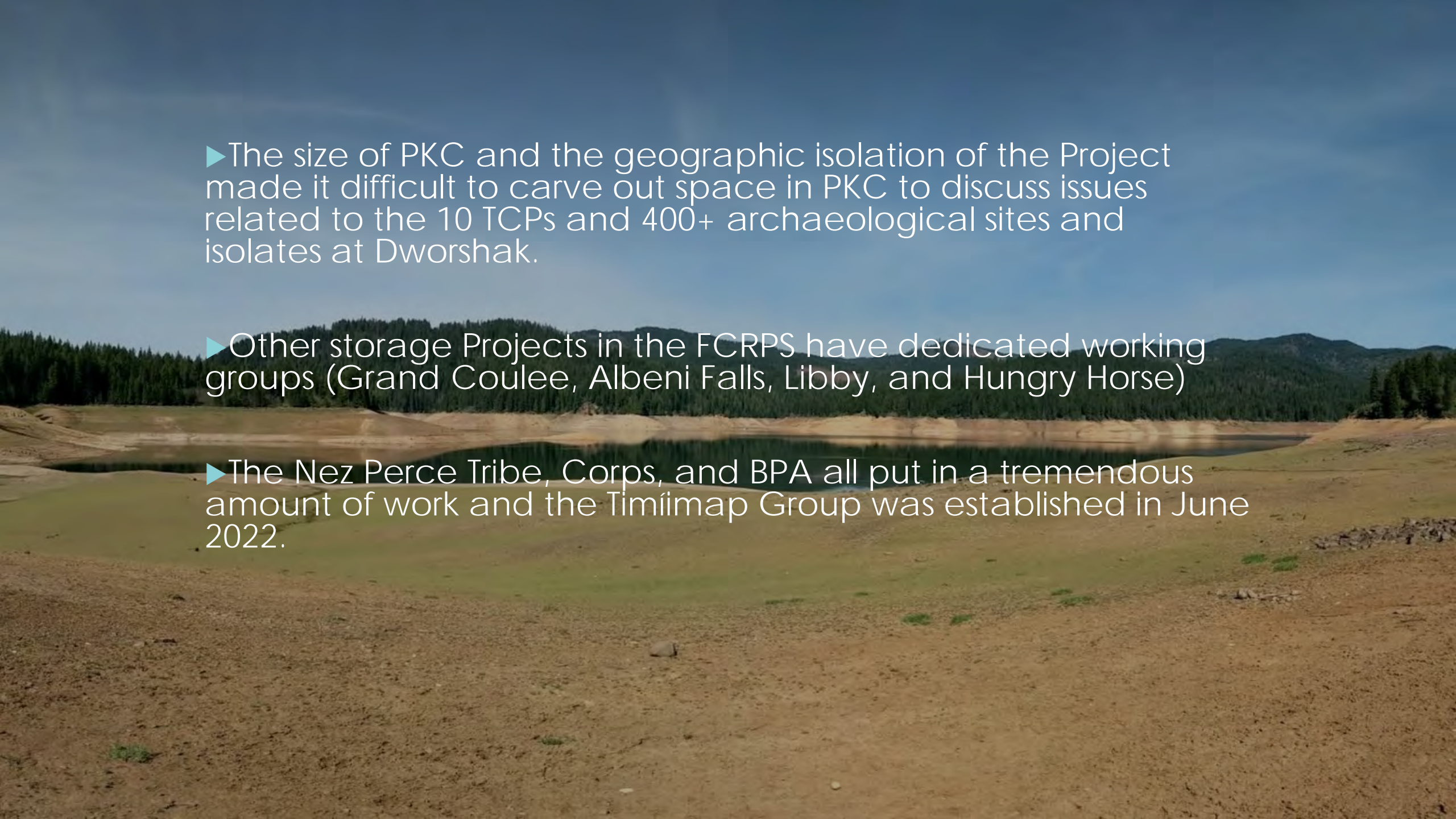


Dworshak Dam is:

- Located on the Nez Perce Reservation
- The only storage reservoir in the PKC

The effects are dramatic and different than the five run-of-river dams in the PKC.



- 
- ▶ The size of PKC and the geographic isolation of the Project made it difficult to carve out space in PKC to discuss issues related to the 10 TCPs and 400+ archaeological sites and isolates at Dworshak.
 - ▶ Other storage Projects in the FCRPS have dedicated working groups (Grand Coulee, Albeni Falls, Libby, and Hungry Horse)
 - ▶ The Nez Perce Tribe, Corps, and BPA all put in a tremendous amount of work and the Timíimap Group was established in June 2022.

Before its inundation, timíimap, or Bruce's Eddy, was a major cultural site used by Nez Perce peoples since time immemorial.


According to the Nez Perce author and historian Harry Wheeler, timíimap had the "best fishing on the North Fork" and was home to a large fishing weir built to catch salmon.



timíimap (10-CW-1)

A wide-angle landscape photograph showing a large, dry, layered rock formation in the foreground and middle ground. The rock is light brown and tan, with distinct horizontal strata. To the right, a reservoir of greenish water is visible. In the background, a dense forest of evergreen trees covers a mountain slope. Two small figures of people are standing on the rock formation in the middle ground. The foreground is rocky and sandy, with some fallen tree stumps and roots. The sky is clear and blue.

Qe'ci'yew'yew'

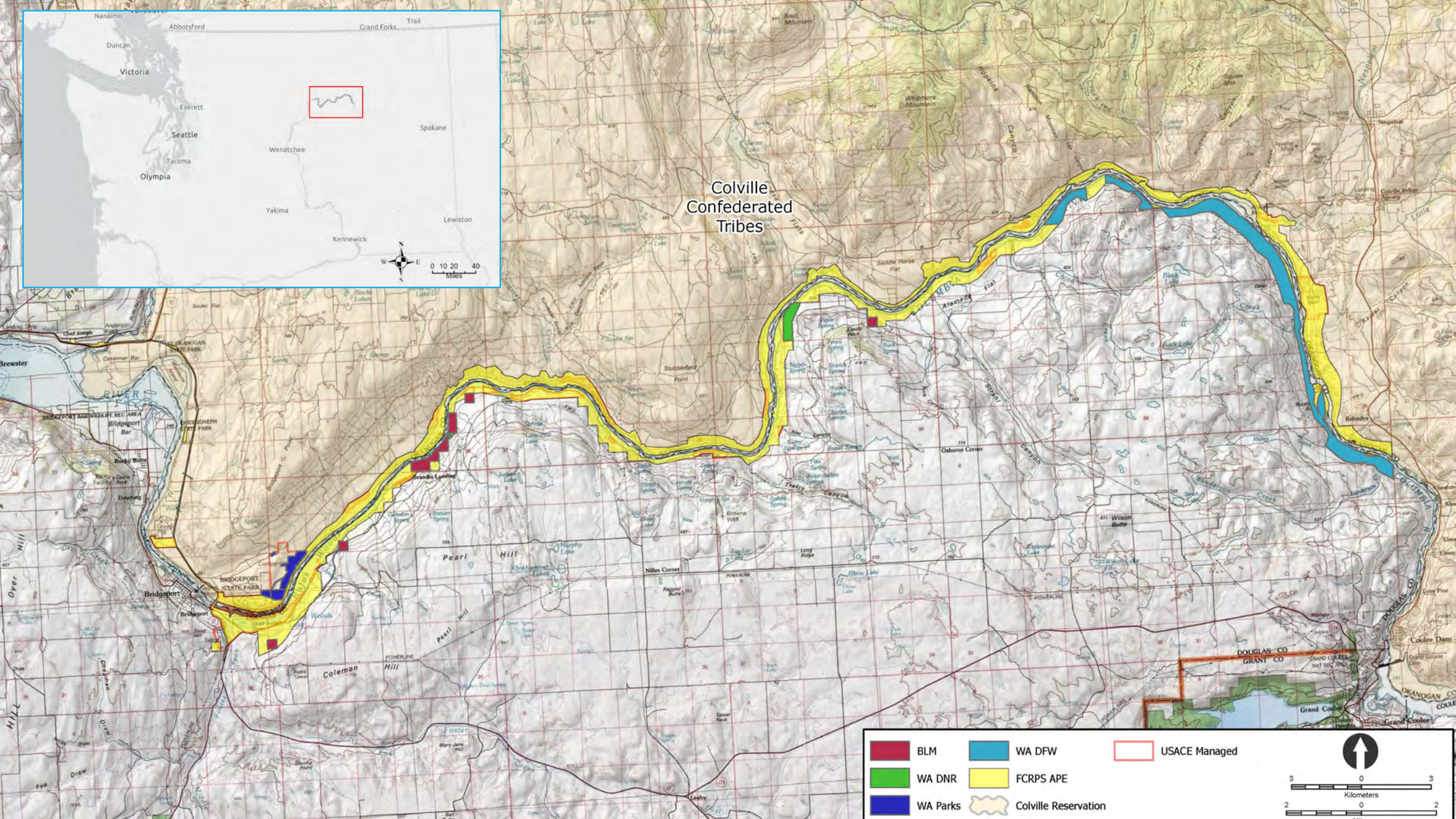
An aerial photograph of the Chief Joseph Dam on the border of Washington and Oregon. The dam features a spillway on the left and a powerhouse on the right. A cutaway view of the powerhouse reveals a series of vertical turbine runners. The surrounding landscape is a mix of green fields and brownish soil, with a road and some buildings visible in the lower right corner.








CHIEF JOSEPH DAM RUFUS WOODS LAKE


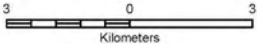
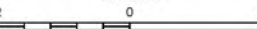
- U.S. Army Corps of Engineers, Seattle District
- Bonneville Power Administration
- Bureau of Land Management, Spokane District
- Confederated Tribes of the Colville Reservation
- Washington State Department of Archaeology and Historic Preservation
- Washington Department of Fish and Wildlife



Colville Confederated Tribes



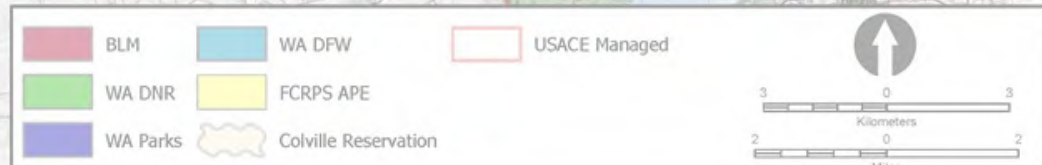
	BLM		WA DFW		USACE Managed
	WA DNR		FCRPS APE		Colville Reservation
	WA Parks				



 Kilometers

 Miles



CHIEF JOSEPH COOPERATING GROUP 2021 & 2022

- Turnover in Project Managers
- Developed and Implemented Annual and 5-Year Plans
- Updated CJD HPMP
- New IDIQ Contract for Routine CR Management
 - Site Condition and Shoreline Monitoring
 - Public Outreach
 - Historic Property Inventory
 - TCP Inventory
 - Determinations of Eligibility



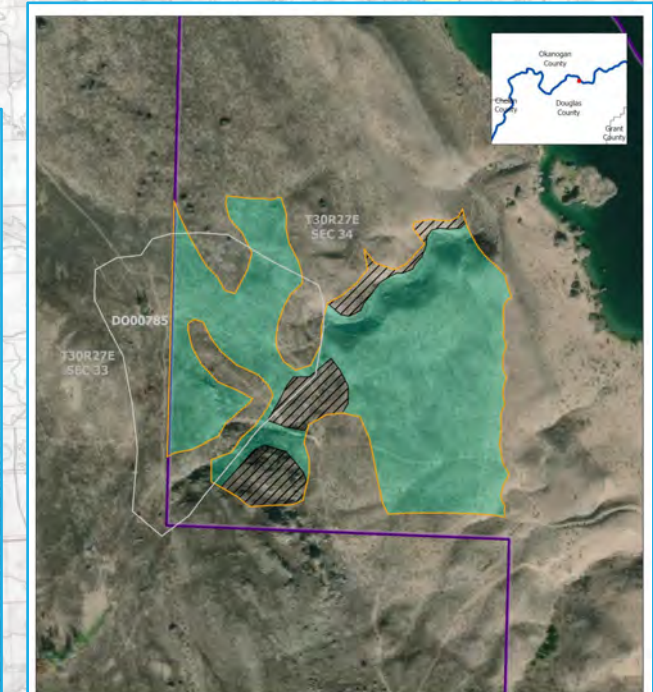
INVENTORY

Areas Affected by Cold Spring/Pearl Hill Fire

- 406.5 acres resurveyed
- 12 sites revisited
- 4 new sites recorded

BLM land Within APE

- Supplement 2002 – 2003 inventory
- 85 acres resurveyed (109 acres not surveyable due to hazardous terrain)
- No new sites identified



MONITORING

Site Condition Monitoring

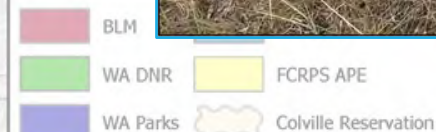
- FY21 - 23 sites revisited
- FY22 - 16 sites revisited

Shoreline Monitoring

- FY 21 - 15 Days
- FY22 - 15 Days

Information helps group prioritize and plan

Identify and address immediate concerns



TREATMENTS

FY21/22 – GIS Story Map of village site 45D0214 as creative mitigation

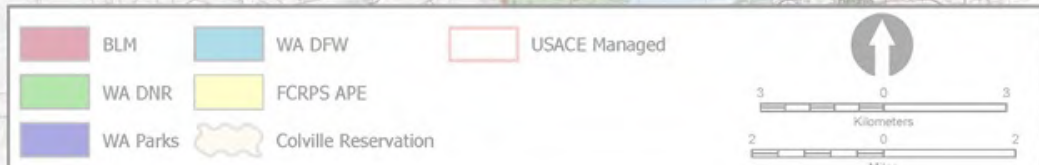
FY21/22 – Rehabilitation of village site 450K4 artifact collection and story map as creative as mitigation

FY21/22 – Placement of 'Title 36 – Rules and Regulations ' and 'Leave No Trace' signs at precontact stacked rock feature site 45D0278

FY22/23 – Multi-phased treatment to address adverse effects to rock image panels at 450K170

FY22/23 – Human remains detection dogs and ground penetrating radar at housepit and burial site 450K250 subject to recreational effects and erosion

FY22/23 – Phased stabilization at badly eroding burial site 450K1



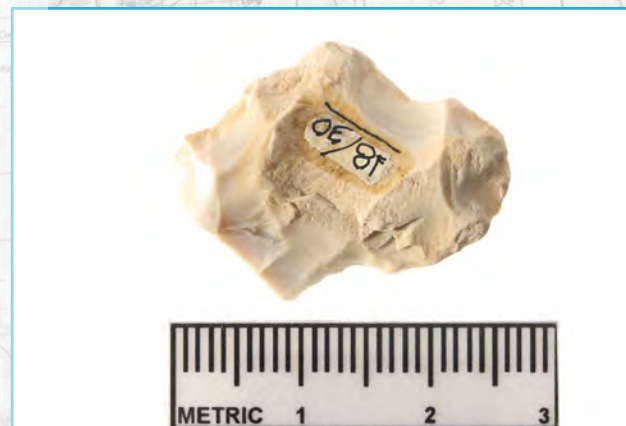
CURATION

Collections Storage and Maintenance

- Collections cared for at the CCT Repository
- Total collection : ~4,200 cubic feet
- Associated records: ~90 linear feet
- Electronic records: ~91 GB

Collections Photography and Rehabilitation

- Started in FY19
- Over 150 artifacts from 450K4 in 2021
- Entire collection for 45D0243 in 2022





LOOKING FORWARD...

- Redo Rufus Woods Lake Archaeological District Documentation
- Chief Joseph Dam National Register Documentation
- Planning and Implementing Treatments for Threatened Properties
- Collections Photography and Rehabilitation
- Rock Image Study
 - Intensive Recording of Rock Image Sites
 - Multiple Property Nomination



QUESTIONS?



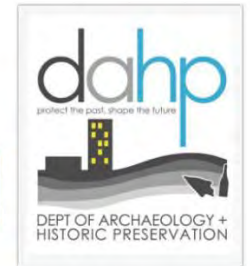
Reclamation Projects

FY22 FCRPS Systemwide Meeting Presentations



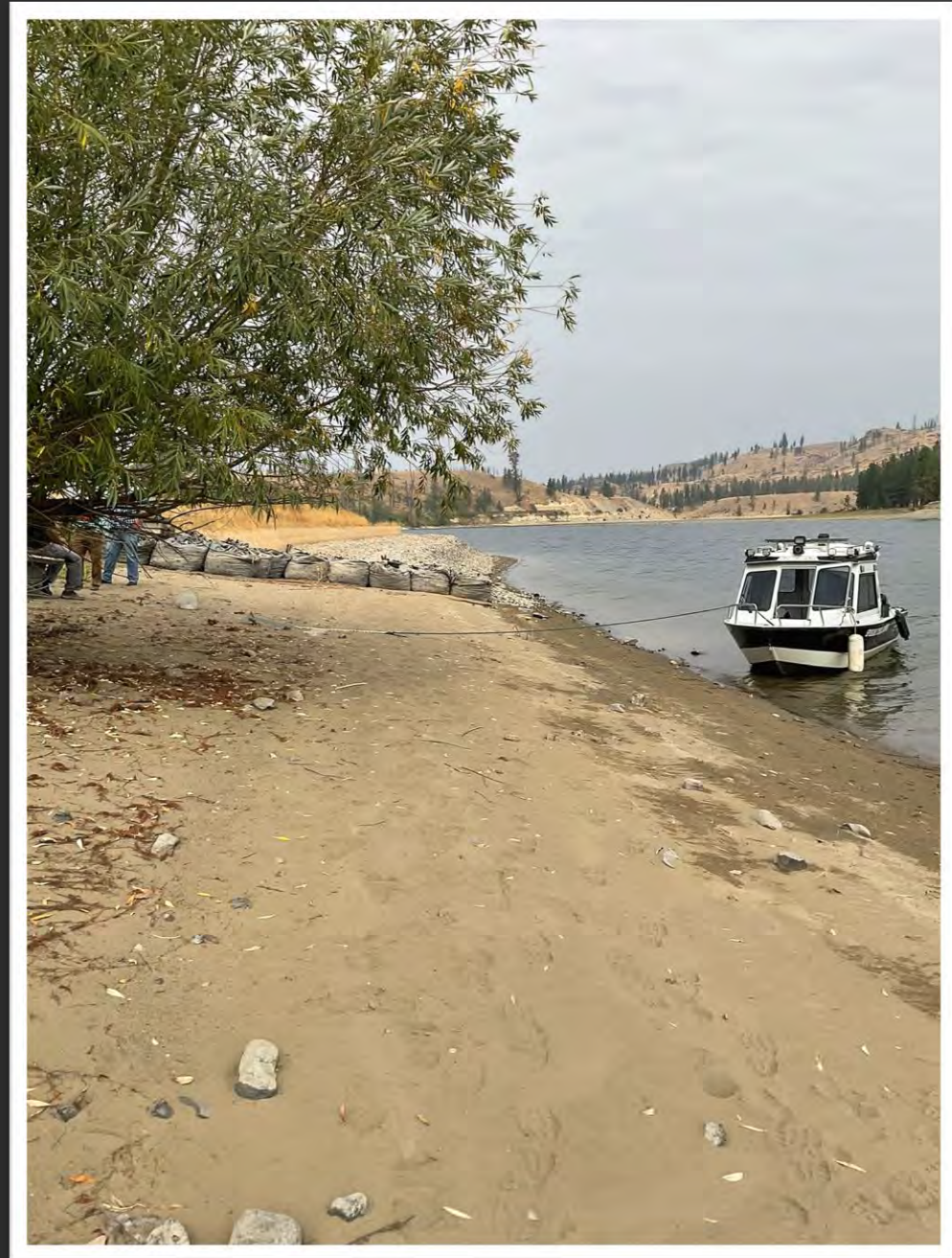


Lake Roosevelt Spokane Arm



Spring Monitoring

- Sites Monitored FY21
 - Regular: 36 sites
 - Burial Site Inspections: 13 sites
 - Recoveries: 0
- Sites Monitored FY22
 - Regular: 21 sites
 - Burial Site Inspections: 11 sites
 - Recoveries: 15 (three different sites)



FY21 low elevation: 1269.1 feet asl
FY22 low elevation: 1248.2 feet asl

An unfortunate event

After a low drawdown in FY21, FY 22 drum gate maintenance needs brought Lake Roosevelt lower. A site on the Spokane Reservation that had been programmed for data recovery, after initial pre-excavation survey, began to yield ancestral Native American remains along the eroding terrace edge of the Spokane Arm of Lake Roosevelt. The STI Preservation Program immediately shifted to recovery efforts as the reservoir levels were rising. Reclamation was able to put a hold on the reservoir level for one additional week but spring moisture and runoff from non-federal dams upstream hampered efforts. The STIPP were able to recover 12 sets of remains and protect another 10 in place.

We expect additional recoveries in FY 23 at the site.



45-LI-377 Phase 1 and 2- Pre-construction Emergency Recovery efforts prior to both construction phases have yielded radiocarbon dates and new samples (as of late September)



Concept to Implementation

Comparison of artist's concept to the actual implementation shows that the stabilization appears as hoped. Please note that "manta ray" anchors are used instead of the more expensive and impactful gabion baskets.

BEFORE



AFTER

10/21/2021



Various Stages of Construction

Phase 1- FY21 Phase 2- FY22 Phase 3- FY23



**45-LI-377 Phases 1 and
2 are complete**

**Phase 3 is underway as of
10/1/22**

Outreach





Artifacts Collected
during FY 21 & 22

HHRD Dogs



- FY21 & FY22 marked the third and fourth years of the use of Historic Human Remains Detection Dogs at Lake Roosevelt. Both the Mainstem and the Spokane Arm have had success with this non-invasive and method of defining sensitive areas in the drawdown for future monitoring.



Other
treatments



Figure 7. 45-ST-11 shoreline stabilization system.



Figure 1. 45-ST-437 stabilization site. Note the large rocks circled in red that migrated downslope.

FY22 Spring Drawdown Inspection of Existing Stabilizations



Figure 2. East end of stabilization site 45-FE-38.



Figure 4. 45-FE-1. Western end of slope protection.

CONTROLLED

FCRPS Lake Roosevelt Site Stabilization Conditions Assessment

Columbia Basin Project, Washington

Columbia-Pacific Northwest Region

Prepared by: Joshua Peetz
Civil Engineer, GPN Design Group

Date:

Peer Reviewed by: Diane Bacorgus, PE
Civil Engineer, GPN Design Group

Date:

Contributions by:

Columbia-Pacific Regional Office

Project Management Group
Nate Krohn, Project Manager

Grand Coulee Power Office

Resources Group
Derek Beery, Archeologist
Mike Bjorklund, Geologist

Cover Photo: Lake Roosevelt. Photo taken from the 45-ST-437 Slope Stabilization Project.

CONTROLLED

Lake Roosevelt Project Specific Programmatic Agreement (PSPA)

Consulting Parties

- **Confederated Tribes of the Colville Reservation**
- **Spokane Tribe of Indians**
- **Washington SHPO**
- **Advisory Council on Historic Preservation**
- **National Park Service**
- **Bureau of Indian Affairs**
- **Bureau of Reclamation**
- **Bonneville Power Administration**

Facilitator: Emily Stranz of Donna Silverberg Consulting



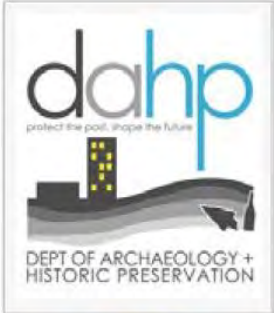
Progress: Still drafting the agreement. Third full meeting was held last week. Anticipated completion in FY23



Questions?

Thank You!

Lake Roosevelt Mainstem





Spring Monitoring

FY21 low elevation: 1269.1 feet asl
FY22 low elevation: 1248.2 feet asl



Spring Monitoring

- Sites Monitored FY21
 - Regular: 32 sites
 - Burial Site Inspections: 13 sites
 - Recoveries: 0
- Sites Monitored FY22
 - Regular: 15 sites
 - Burial Site Inspections: 8 sites
 - Recoveries: 0

Emergency Data Recovery

45-ST-1111

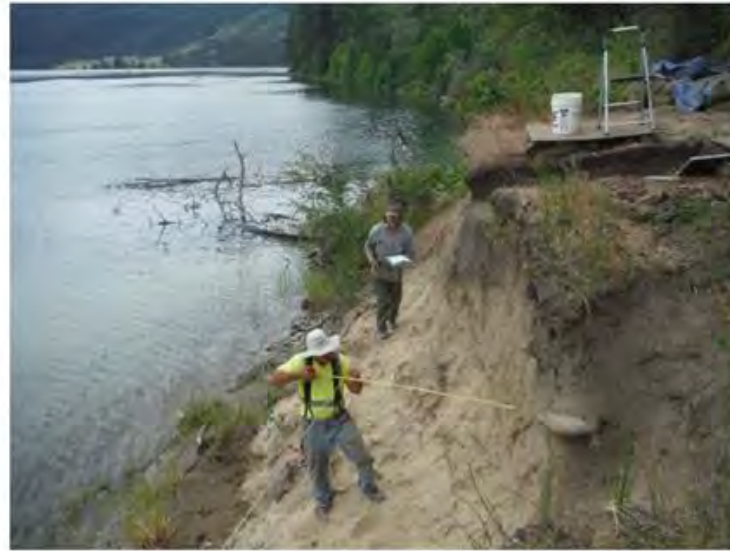


Figure 2. CCT HA staff preparing a stratigraphic profile of an eroding bank along Lake Roosevelt. This landform contained a pithouse feature that is being excavated in the upper right corner of this image.



Figure 1. Central hearth feature of a pithouse in the floor of an excavation unit. CCT HA conducted salvage recovery of this pithouse north of Kettle Falls, WA during the summer of 2021.





Artifacts from
FY 22 fieldwork



Pictograph Documentation

2022 fieldwork consisted of visiting pictograph sites to photo document extant pictographs and surrounding surfaces and apply color enhancements via DStretch software to investigate the possibility of additional pictographs not visible to the naked eye.

DStretch has 11, one-click enhancement options, each of which target particular colorspace on the spectrum and magnify their respective visibility.





45-OK-504
hi-res digital
image

LWE

D-stretch Settings

YRE

CULTURAL STEWARDS

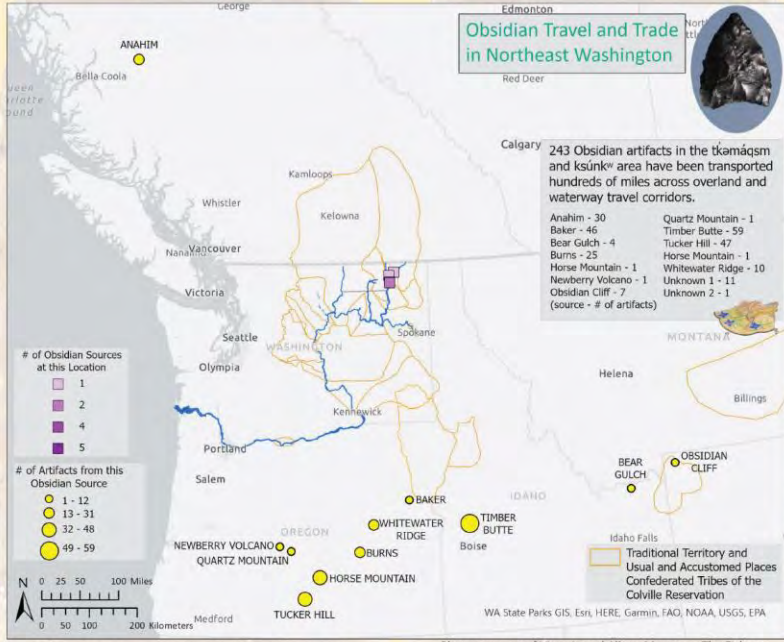
You can help protect these invaluable pieces of *sñtʷayckstx*, *sxʷyʔilp*, *snpʷawilx*, and *nspiləm* history. Native American artifacts are non-renewable. Per Tribal, State, and Federal laws, they are to be left in place, undisturbed.

REPORT VIOLATIONS

If you suspect a violation, do not get involved or approach the scene! Immediately report the violation to local law enforcement:

- Ferry County Dispatch: 1-800-324-344
- Lincoln County Dispatch: 509-725-3501
- Stevens County Dispatch: 509-684-5296
- Colville Tribal Police Dispatch: 509-634-2472
- Spokane Tribal Law Enforcement: 1-888-258-6899

Cover photo courtesy of Northwest Museum of Arts and Culture, Photo L85-143.380



All Artwork by Sylvia Jane Peasley, Colville Confederated Tribes Photo courtesy of Victoria and Albert Museum - The Fishery Reference No. 2016JE5256

sñtʷə'ina?

(flint)

Obsidian
What is it?

Where does it come from?
How did it get here?

Sourcing, Travel, and Trade along the *ntəxʷftkʷ* (Columbia River) in northeast Washington



Traditional and Ethnographic Knowledge

k'əlk'ə'l'a'ʷk'n' (Woodpecker) helped get fire. All the animals on earth did not have fire. *k'əlk'ə'l'a'ʷk'n'* used an elk rib bone bow, service berry shaft, Bald and Gold Eagle feathers, and Flint Rock arrowheads to help the People obtain fire from the sun.

sñk'aʔlip (Coyote) helped the two-leggeds to obtain arrow shafts and flint. *ʔəʔicʔic* (Sparrowhawk) was a lookout for *q'ʷəmqənica?* (People Eating Monster) who lived on the hill behind what is now known as the town of Kettle Falls. *q'ʷəmqənica?* had the only service berry bushes and flint. *sñk'aʔlip* tricked Sparrowhawk and defeated *q'ʷəmqənica?* and threw service berry bushes and flint throughout the region so the two-legged people could harvest the wood and flint for arrow shafts and arrowheads.

Book of Legends
Arrow Chain and Theft of Fire, as told by John Tom, Sanpoil, 1928.
Woolly Hide, as told by Martin Louie, Lakes.



What is obsidian?

Obsidian is a volcanic glass formed by lava that has cooled quickly. When hit by a skilled flintknapper/tool maker, this type of rock will break in a predictable manner that is ideal when making stone tools with thin, sharp edges.

In northeast Washington, **obsidian** is made into cutting and piercing tools.



Where does obsidian come from?



Obsidian is found globally and there are numerous sources in Washington, Oregon, Idaho, Montana, Wyoming, and British Columbia.

Brochures, Websites and Posters for Public Outreach: Obsidian Brochure



Future Stabilization Projects
April 2021 and 2022 site visits for feasibility
and design recommendations at 5
Mainstem locations

45-ST-82 on the Kettle River is likely next to be
designed and implemented



Questions?

Thank You!

Albeni Falls Dam and Pend Oreille Lake Project

Federal Columbia River Power System Program

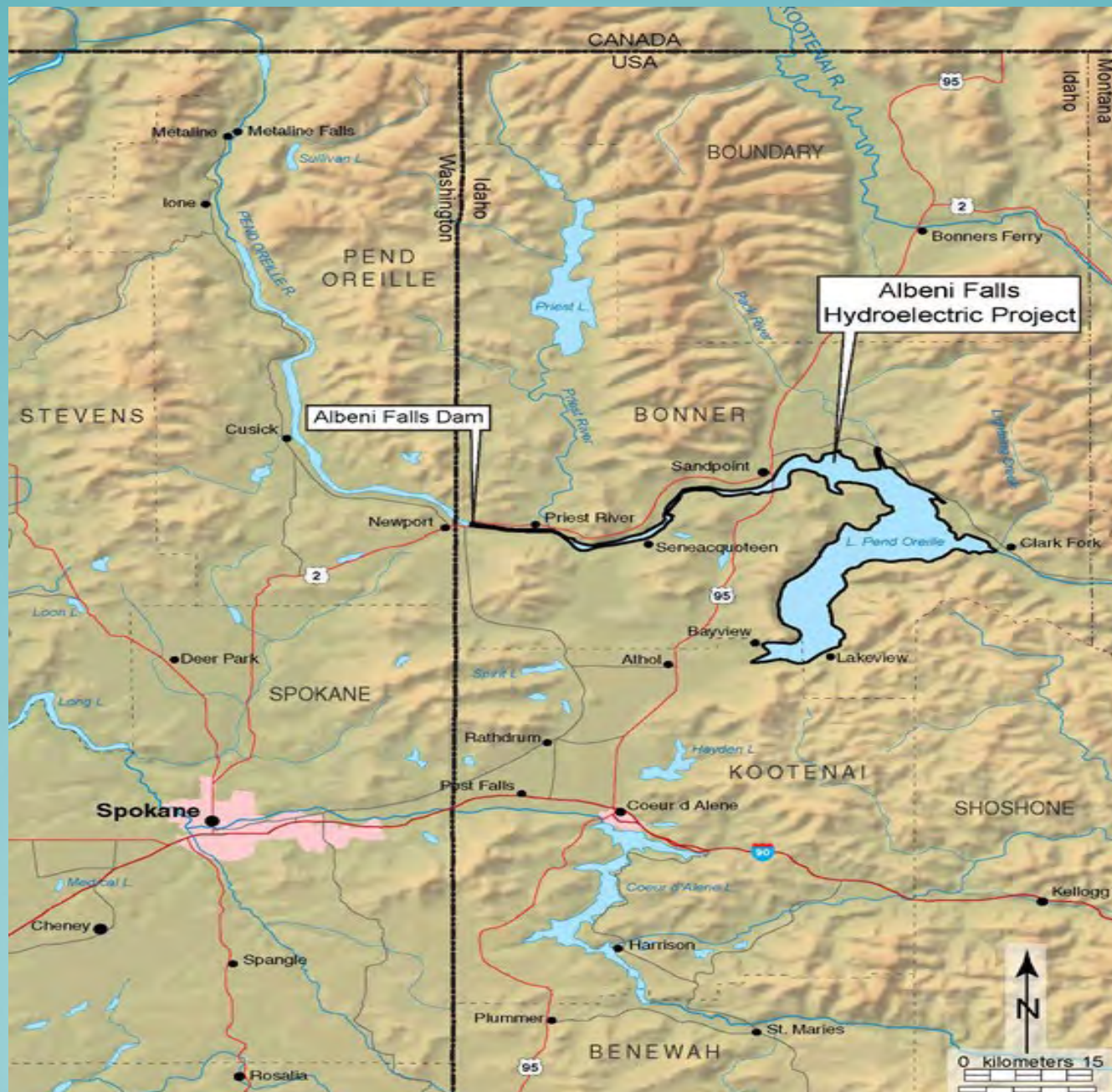
October 17, 2022



Location and Purpose



- Albeni Falls Dam (AFD) is located on the Pend Oreille River in Idaho.
- The AFD and Pend Oreille Lake Project is a hydroelectric and local flood control facility with over 1.1 million acre-feet of useable storage.
- The reservoir includes all of Lake Pend Oreille and 29 miles of the Pend Oreille River between the dam and the lake.
- The Seattle District, U.S. Army Corps of Engineers operates the Project for the multiple authorized purposes of power generation, navigation, recreation, flood control, and fish and wildlife conservation.



AFD Cooperating Group

- Army Corps of Engineers, Seattle District
- Bonneville Power Administration
- Idaho Panhandle National Forest
- Bureau of Land Management
- Kalispel Tribe of Indians
- Coeur d'Alene Tribe
- Kootenai Tribe of Idaho
- Confederated Salish and Kootenai Tribe of the Flathead Nation
- Meets quarterly (October, January, April and July)

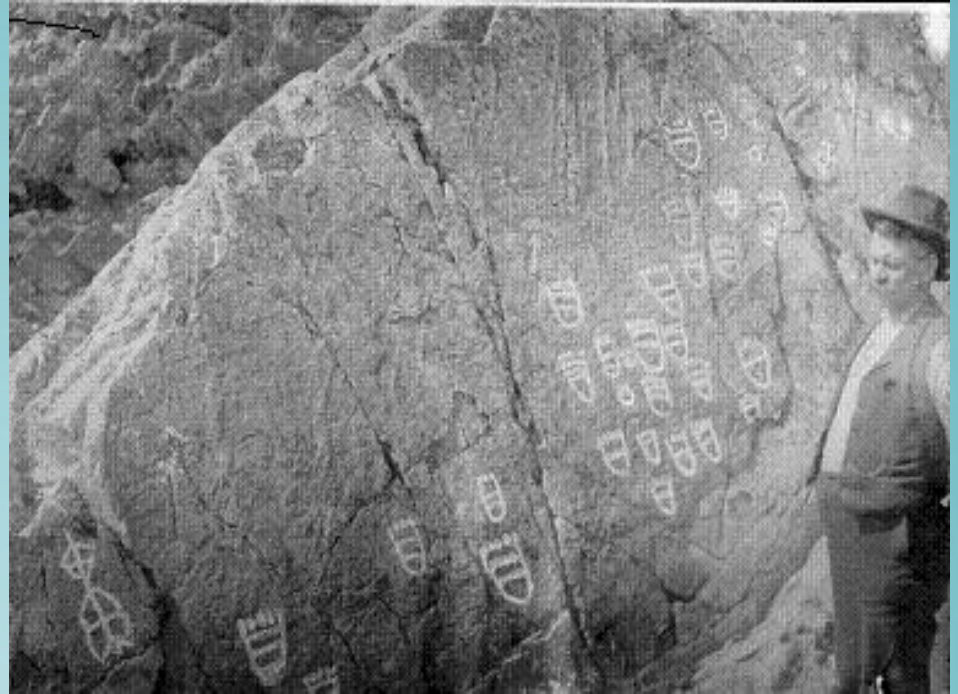
Cultural Resources Overview at Albeni Falls Dam

Total 416 archaeological sites within
APE (on private/public land).

Four National Register Districts

East Pend Oreille Lake Rock Art District

- 8 Rock Art Sites: 4 on mainland; 4 on Islands
 - 4 on publicly managed lands;
 - 4 on private property
- All consulting tribes have traditions and oral histories concerning and/or associated with the 8 Rock Art sites
- Predominance of the bear paw motif



1906 photograph of Petroglyphs from Bearpaw Rock. Photograph from Spokane Review.

Ongoing and Future Projects

- The AFD cooperating group has experienced challenges due to Covid-19, staff shortage and changes, and recreational impacts
- Completed bank stabilization projects and bank stabilization repair projects
- Emphasis on Bear Paw Rock (EPOLRAD)
 - ▶ Strategies to protect the site and district
- Starting to focus on evaluating sites using criteria A-C
 - ▶ Ethnographies

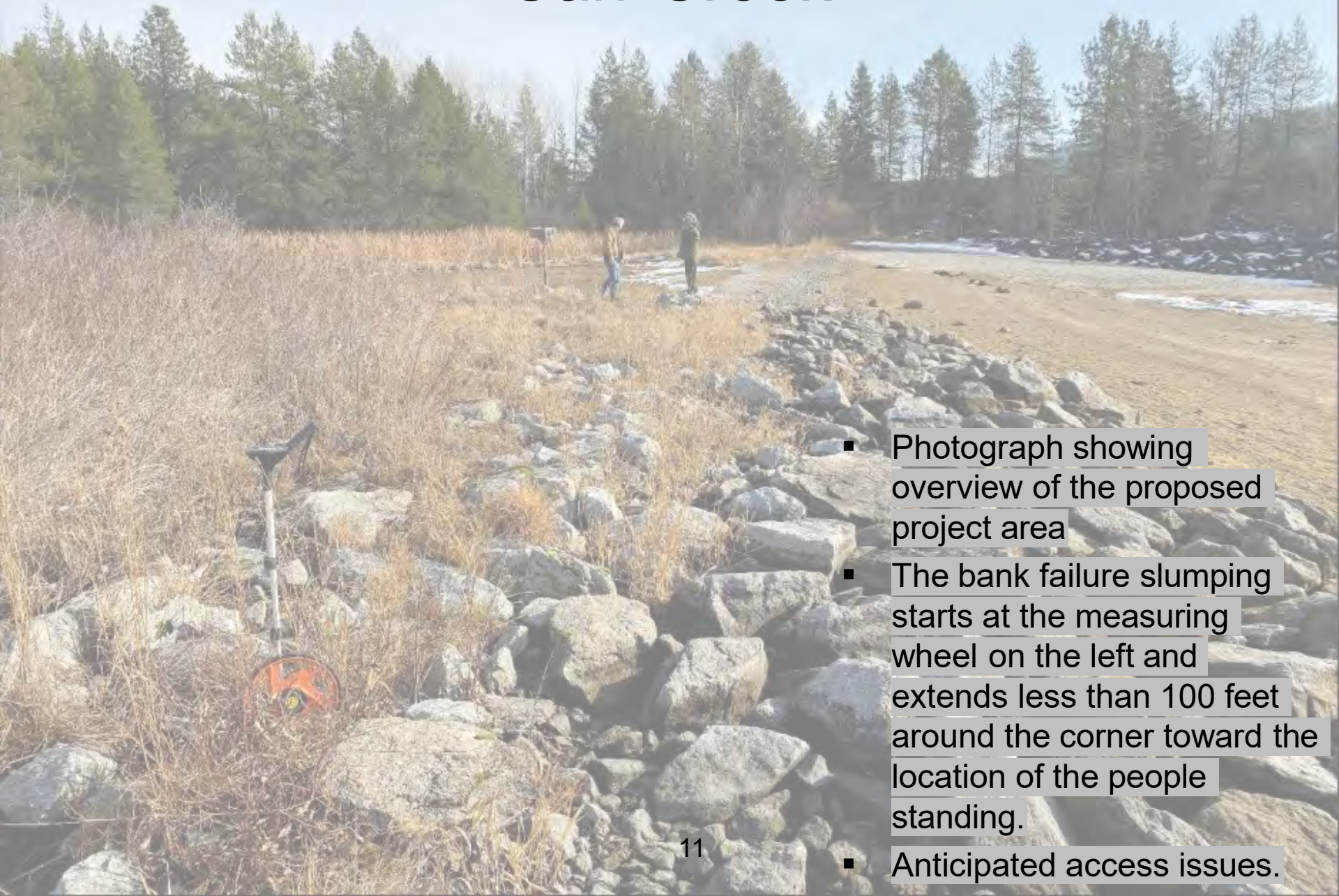
Strong Island Bank Stabilization



Carr Creek Bank Stabilization Repair Project



Carr Creek



- Photograph showing overview of the proposed project area
- The bank failure slumping starts at the measuring wheel on the left and extends less than 100 feet around the corner toward the location of the people standing.
- Anticipated access issues.

Albeni Cove Bank Stabilization Repair Project



Rip Rap Before



Rip Rap After

Bear Paw Rock Monitoring 2022

- Monitoring conducted by Kayla Johnson and Madeline Caye of the CSKT
- Photos of recreational impacts



Bear Paw Rock Monitoring 2022



Bear Paw Rock Monitoring 2022



Moving Forward with Bear Paw Rock

- Collaborate with OC to retrieve the stolen glyph
- Increase monitoring
 - ▶ Educate the public
 - ▶ Extend into winter season
- Provide safe and reliable access to elders
- Plant native plants
- Develop ways to limit visitors
- Signed commitments as to how vandals and looters will be managed under the law
- Work with Idaho Fish and Game to restrict boat launch access points

Ethnographic Research

- AFD shifting efforts to focus on ethnographic research
 - ▶ Already ongoing pursuits by many tribes
 - ▶ Goal would be to focus on research related to sites in the AFD APE
 - ▶ Combination of researching old records and interviewing elders
- Includes Coeur d'Alene Tribe, Confederated Salish and Kootenai Tribes, the Kootenai Tribe of Idaho, and the Kalispel Tribe of Indians

Questions?

Libby Dam Project/Lake Koocanusa Cooperating Group



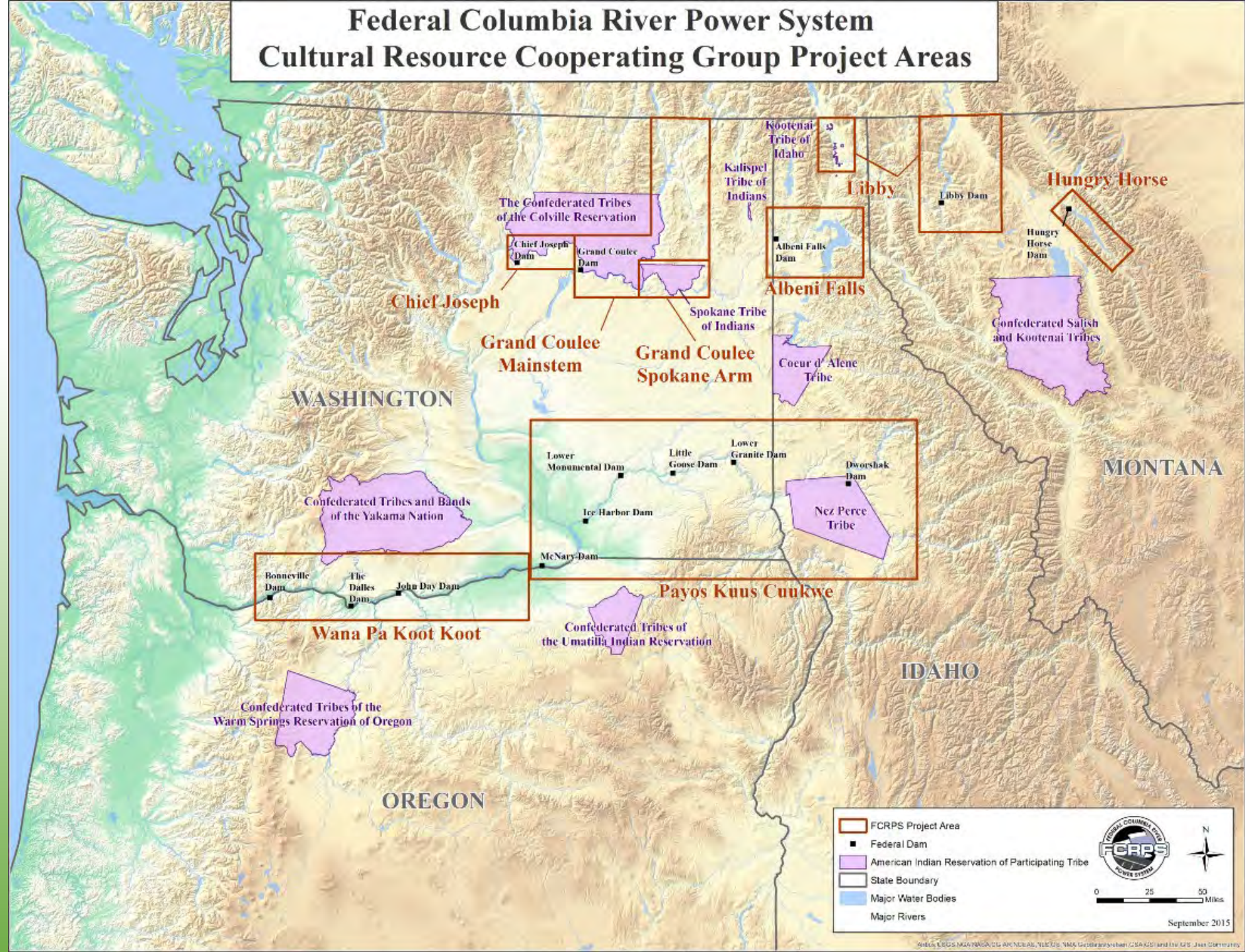
Cultural Resources Program
Systemwide Meeting

October 17, 2022



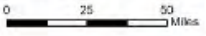
Agnes Castronuevo – USACE NWS
Kelly Phillips – BPA



Federal Columbia River Power System Cultural Resource Cooperating Group Project Areas



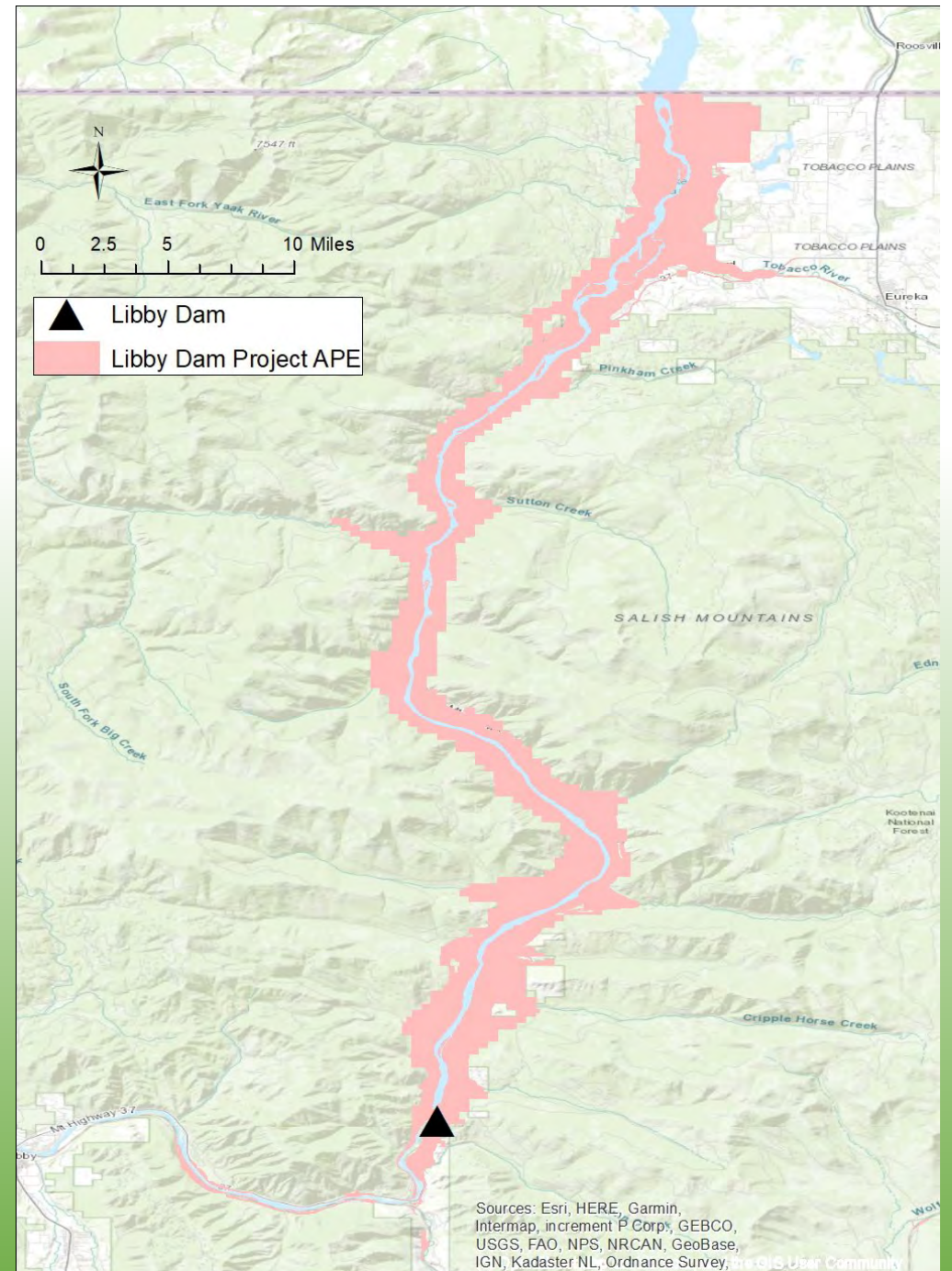
FCRPS Project Area
 Federal Dam
 American Indian Reservation of Participating Tribe
 State Boundary
 Major Water Bodies
 Major Rivers

September 2015

Libby Dam Project

- Spans the Kootenai River 17 miles upstream from the town of Libby in the heart of northwestern Montana
- Authorized by Congress as part of the Columbia River Treaty in 1964
 - Purposes: flood reduction, hydropower, recreation, and environmental stewardship
 - Construction began 1966
 - Completed in 1972
 - Power on-line August 29, 1975



Cooperating Group Participants



**US Army Corps
of Engineers®**

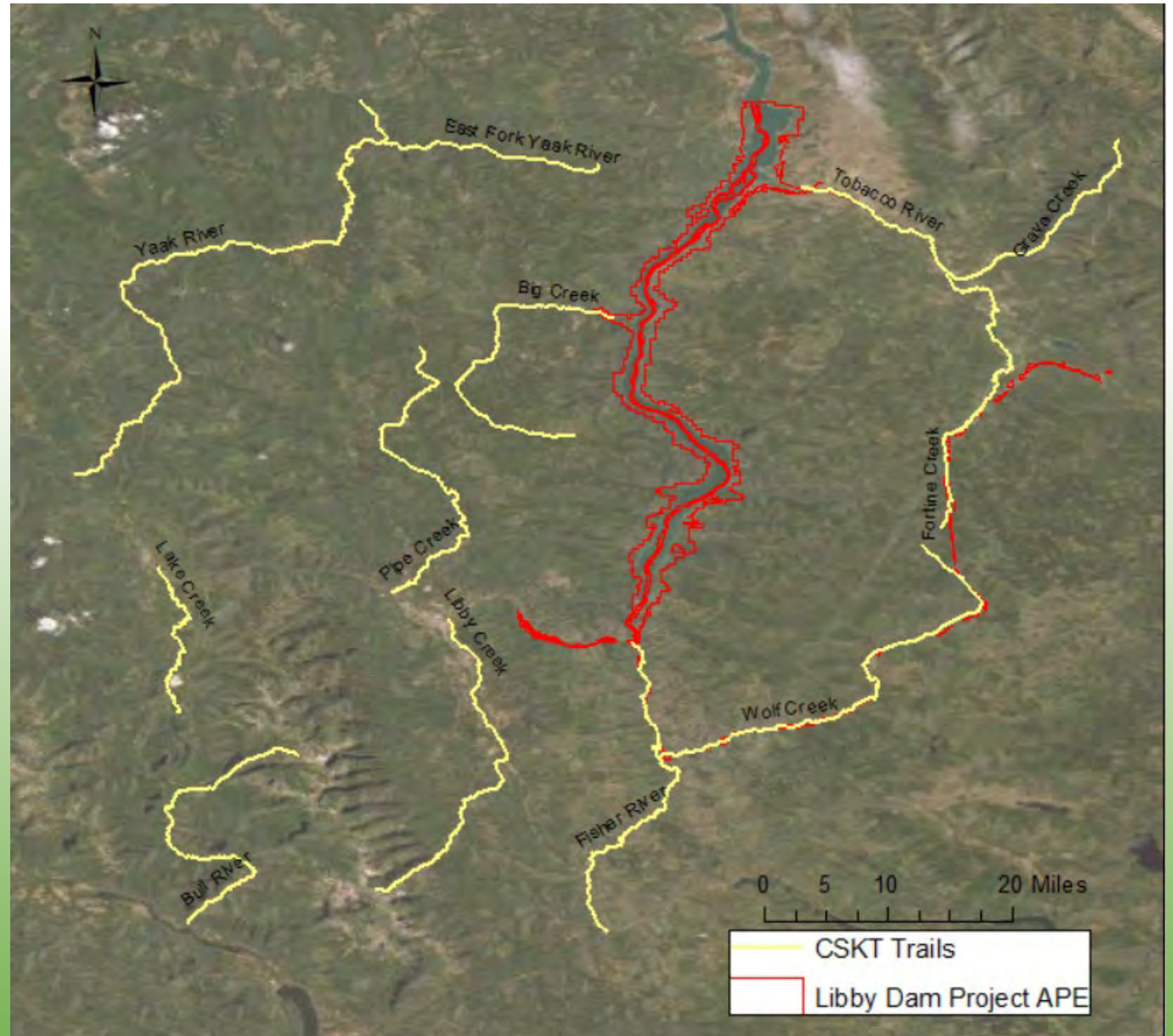


Big Sky. Big Land. Big History.

Montana
Historical Society

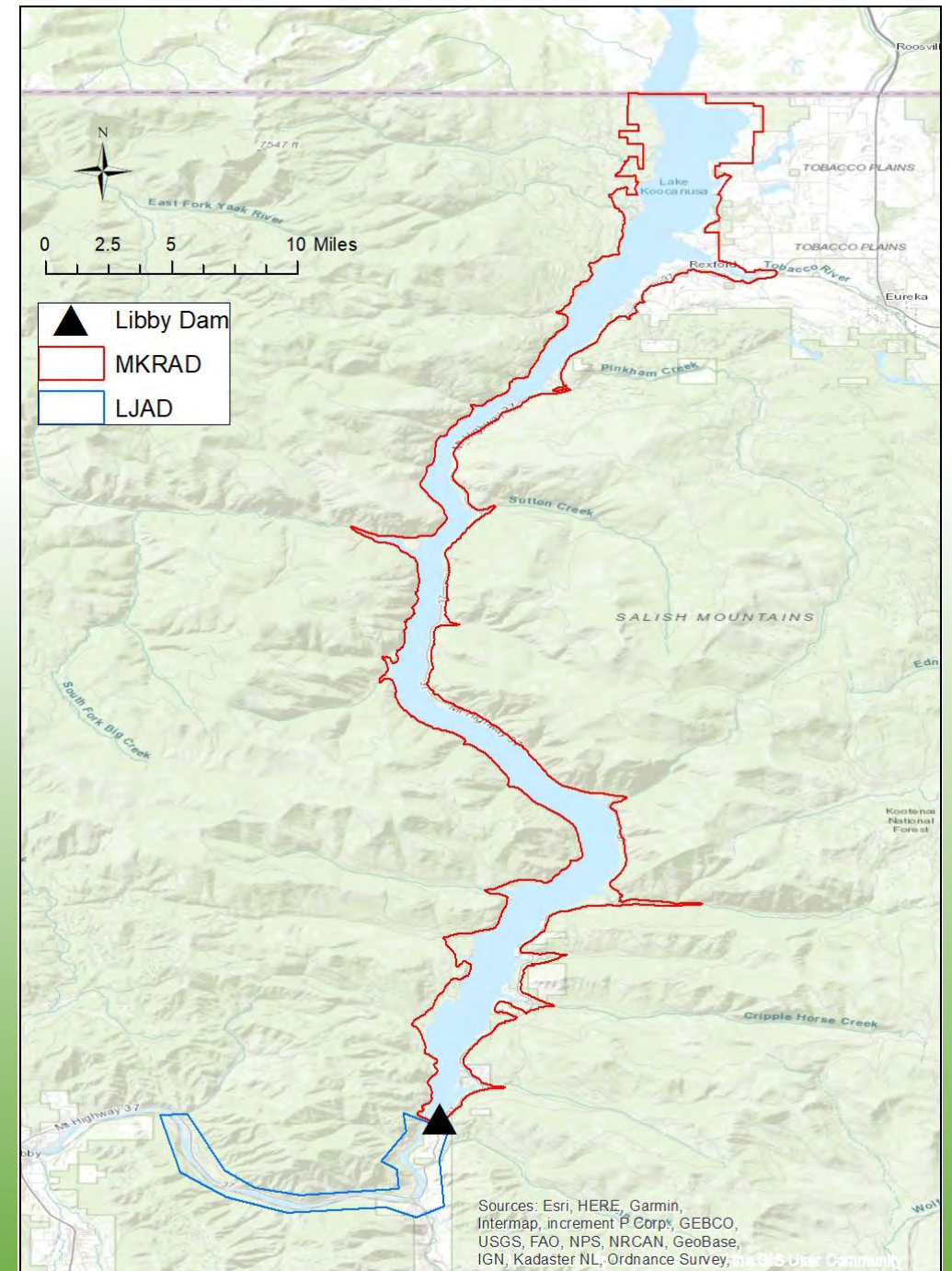
CSKT Trails Study Project

- GIS Completed in 2021
- 8 Trail Clusters Identified
- Next Steps:
 - Methodology Report
 - Evaluation
 - Mitigation
 - Waterways Study?



Middle Kootenai River Archaeological District (MKRAD)

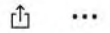
- 451 sites in the MKRAD
- District nomination – 1985
- Site Condition Monitoring
- 30 site amendments updating undetermined and eligible determination to ineligible
 - Main culprit - EROSION



Drone Erosion Control Monitoring



Koocanusa Reservoir UAS Erosion Monitoring

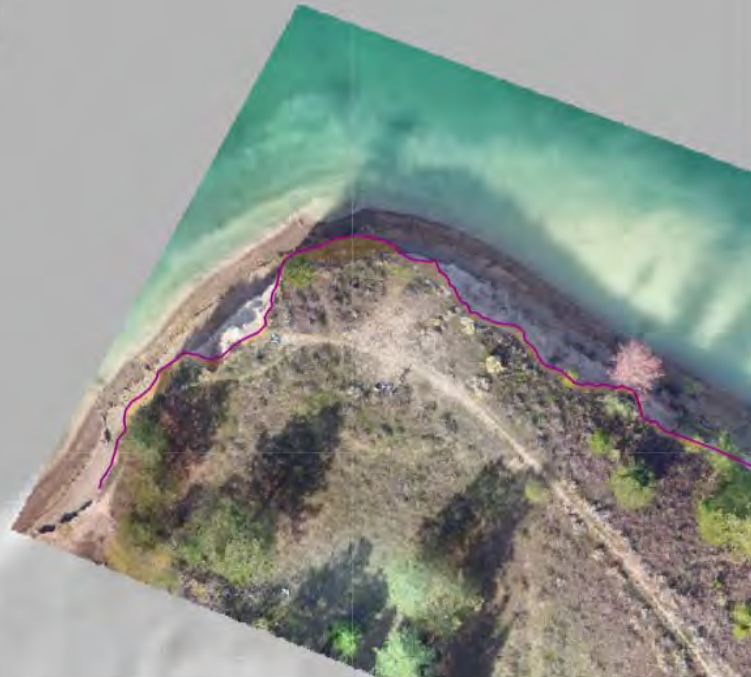


Koocanusa Reservoir Erosion: Rexford 2018 vs 2021



Zoom to an area of interest and use the slider in the middle to compare the shorelines between 2021 (left panel) and 2021 (right panel). The purple line feature tracks the original 2018 shoreline. Areas where erosion has occurred are highlighted in orange in the left panel.

In total, 91 square meters of area have fallen into the reservoir between 2018 and 2021. This represents 427 cubic meters of material. For comparison, that is nearly 43 dump truck loads of material.

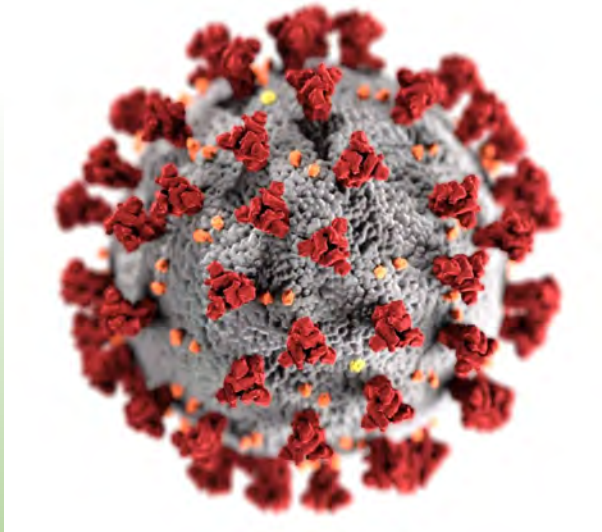


Big Creek (24LN510) Monitoring



- Pictograph site with a history of vandalism
- Big Creek Management Plan (2013)
- CSKT monitoring began this summer (2022)
 - Total of 8 days, avg. of 2 days/month (May – October; peak recreation)

Challenges



COVID-19



Staff turnover/
shortages



Routing
documents for
signatures

Reclamation Projects

FY22 FCRPS Systemwide Meeting Presentations



Hungry Horse Reservoir



Big Sky. Big Land. Big History.
Montana
Historical Society



Fall and Spring Monitoring



- Spring 2021: 9
- Fall 2021: 2
- Spring 2022: 12
- Fall 2022: TBD

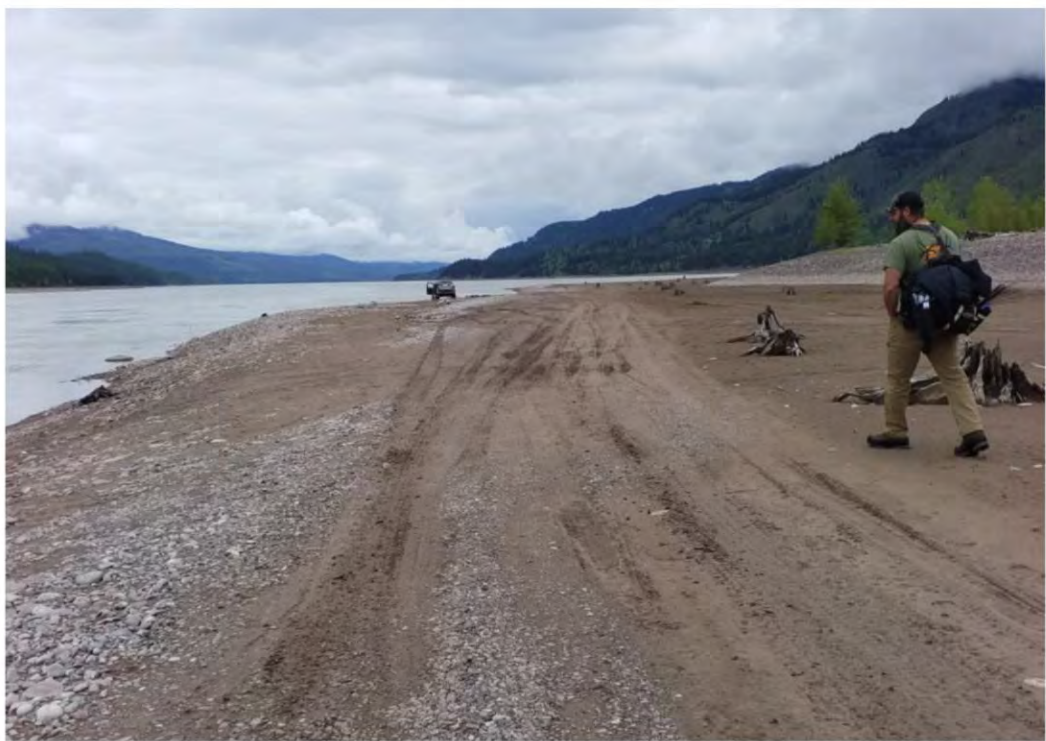


FY21 Spring elevation: 3529 feet asl
FY22 Spring elevation: 3530 feet asl

Continued Increase in Recreation at HH



Upcoming Adverse Effect Treatment



Ethnobotany Research and Implementation



Plant Name	Salish Name	Kootenai Name	Uses
Aspen	Mímitétp	'a·kʔumak	
Balsamroot	Mtčwé		Food, poultice, medicine/tea
Basin wildrye			
Bear grass	Słčéstiyeʔ	'a·kʔaʔku	
Birch	Čqʔhálqʷ	'a·kuwaʔwu'k	
Biscuit root	Pčlu		Food
Bitterroot	Spéłm	Naqamzu	Food, medicine/tea

Draft Report currently contains abundant background information and context and details the use of 51 plants in the Hungry Horse APE.

FNF is currently adapting the context and species identification into it's own botanical inventory efforts at Hungry Horse

The CSKT Preservation Dept. is currently working on two projects related to the traditional use and history at Hungry Horse.

Reports include Traditional Cultural Property research at a site complex within the southern APE and a report detailing research into CSKT involvement in the pre-construction logging. The work history report will be used for determinations of eligibility for the historic logging sites present in the APE.



TCPs and DOEs

Multiple Properties Determination

- April 29th, 2021- Flathead National Forest received concurrence from MT SHPO regarding the eligibility of three trail systems at Hungry Horse that also include 13 archaeological sites with Criterion A or Criteria A and D eligibility.
- This was the culmination of a 20 year process!

Indigenous Transportation Networks and Associated Properties of the South Fork Flathead River Drainage, Western Montana: A National Register of Historic Places Multiple Properties Nomination



Prepared by

Confederated Salish and Kootenai
Tribal Preservation Department

A Federal Columbia River Power System Project

Supported by

Bonneville Power Administration
USDI Bureau of Reclamation

September 2008

(Revised August 2019)

Hungry Horse Project Specific Programmatic Agreement (PSPA)

Consulting Parties:

- Flathead National Forest
- Confederated Salish & Kootenai Tribes of the Flathead Reservation
- Montana State Historic Preservation Office,
- Bonneville Power Administration
- US Bureau of Reclamation

Progress: Working through CSKT Council for final signature





Questions?

Thank You!