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RECLAMATION

Bureau of Reclamation Columbia-Pacific Northwest Updates

FY 2020 Projects and FY 2021 Awards

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Reclamation Highlights

- Reclamation developed and approved the Mussels Notification Protocol
- Regional Updates and protocols began updates shortly after.
- Anticipated July finalization for CPN Notification Protocol.



Fiscal Year 2020 Project Overview

- 15 Projects awarded Reclamation-wide
 - 6 Projects awarded to Columbia-Pacific Northwest Region
- Available funds in FY19 = ~\$2 million
 - CPN received ~ \$577,000



FY 2020 Project

1) WDFW– Expansion of Spokane & Plymouth Inspection Stations

- Provides year-round operations

2) WDFW – Inspection Station Facility

- Relocates Plymouth inspection station due to Port-of-entry station closure



FY 2020 Projects Continued

3) WDFW – Inspection station at Cle-Elem

- Expands inspection stations from two to three in WA

4) Montana Fish, Wildlife and Parks – Law Enforcement Support

- Provides funding support to ensure boater compliance and ensure boats stop at mandatory inspection stations through Highway Patrol and various local law enforcement agencies.



FY 2020 Projects Continued

5) Confederated Tribes of the Colville Reservation – AIS Early Detection and Monitoring

- Continuation of regional coordination, training, monitoring, boat decon, and early detection monitoring equipment

6) Recreation and Conservation Office (WA)– Rapid Response and Preparedness

- Proving regional trainings for improving preparedness and response capacity



FY 2021 Funding Year

- 55 individual submissions received Reclamation-wide
 - 31 Projects selected for funding
 - 8 Projects selected for CPN
- Available funds in FY19 = ~\$3.7 million
 - CPN received ~ \$854,800



FY 2021 Selected Projects

1) WDFW– Year-Round Inspection Station Operations

- Continuation of year-round operations at all inspection stations

2) Montana Fish Wildlife and Parks – Enhanced Watercraft Inspection Training and Enhanced AIS Early Detection Monitoring

- Training for inspection stations following Ballast System legislation and expansion of early detection monitoring with eDNA pilot project.



FY 2021 Selected Projects Continued

3) National Park Service – Increasing Capacity at Grand Teton National Park

- Provide monitoring and infrastructure support at a Headwaters reservoir

4) Colville Confederated Tribes – Early Detection Monitoring and Training

- Continued efforts of monitoring, training, and decon at Tribal managed lands and waters.



FY 2021 Selected Projects Continued

5) Invasive Species Action Network

- Provide QA/QC checks on watercraft inspection and decontamination sites.

6) Lake Chelan – Chelan County Natural Resources Department

- Lake Chelan AIS Program Development Working Group



FY 2021 Selected Projects Continued

7) Portland State University

- Early Detection Surveys for Zebra/Quagga Mussels

8) Upper Columbia Conservation Commission

- Expand and continue citizen science AIS monitoring and industry outreach



Funding Overview

	FY18 Projects	FY18 Funding	FY19 Projects	FY19 Funding	FY20 Projects	FY20 Funding	FY21 Projects	FY21 Funding
Early Detection	2	\$200,000	3	\$245,000	0	-	2	\$320,000
Prevention	2	\$412,000	4	\$585,000	5	\$524,000	3	\$375,000
Education & Outreach	1	\$120,000	1	\$92,000	0	-	1	\$63,000
Rapid Response					1	\$53,000		
Increasing Capacity							2	\$96,800
Totals	5	\$1,400,000	8	\$964,000	6	\$577,000	8	\$854,800



2020 Sample Summary

- 33 Reservoirs Sampled
 - 64 Sample Events
 - 73 Sample Points
- 227 Plankton tows
- Samples analyzed via CPLM
- New in 2020: eDNA collection and analysis by Reclamation's Ecological Services Laboratory in Denver



Reservoirs	State	Invasive Species Sampling Events
Agate	OR	1
American Falls	ID	2
Anderson Ranch	ID	1
Arrowrock	ID	1
Banks Lake	WA	2
Black Canyon	ID	1
Bully Creek	OR	3
Bumping Lake	WA	1
Cle Elum	WA	1
Cold Springs	OR	1
Crane Prairie	OR	2
FDR	WA	3
Grassy Lake	WY	1
Haystack	OR	2
Hungry Horse	MT	3
Island Park	ID	3
Jackson	WY	5
Kachess	WA	1
Keechelus	WA	1
Lake Cascade	ID	4
Lake Lowell	ID	2
Little Wood	ID	1
Mann Creek	ID	1
McKay	OR	1
Owyhee	OR	1
Palisades	ID	5
Prineville	OR	1
Rimrock	WA	1
Ririe	ID	3
Thief Valley	OR	2
Unity	OR	1
Walcott	ID	4
Wickiup	OR	2

- 64 Sampling Events
- 33 Reservoirs
- 4 states



FY 2021 Outlook

- COVID Restrictions?
- Increase eDNA efforts
- Work with Denver Eco-Lab on sediment sampling for eDNA



Regional Priorities

- Continue being and active member of the invasive species councils to provide Reclamation updates and funding/cooperation possibilities
- Continue and enhance Early Detection Monitoring efforts – Boise Lab
- Work with partners to develop state project priorities where funding may become available
- Award grants earlier to allow for quicker implementation



Heidi McMaster, MPH
Regional IPM & Mussels Coordinator

208-860-9649 CELL

hmcmaster@usbr.gov



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