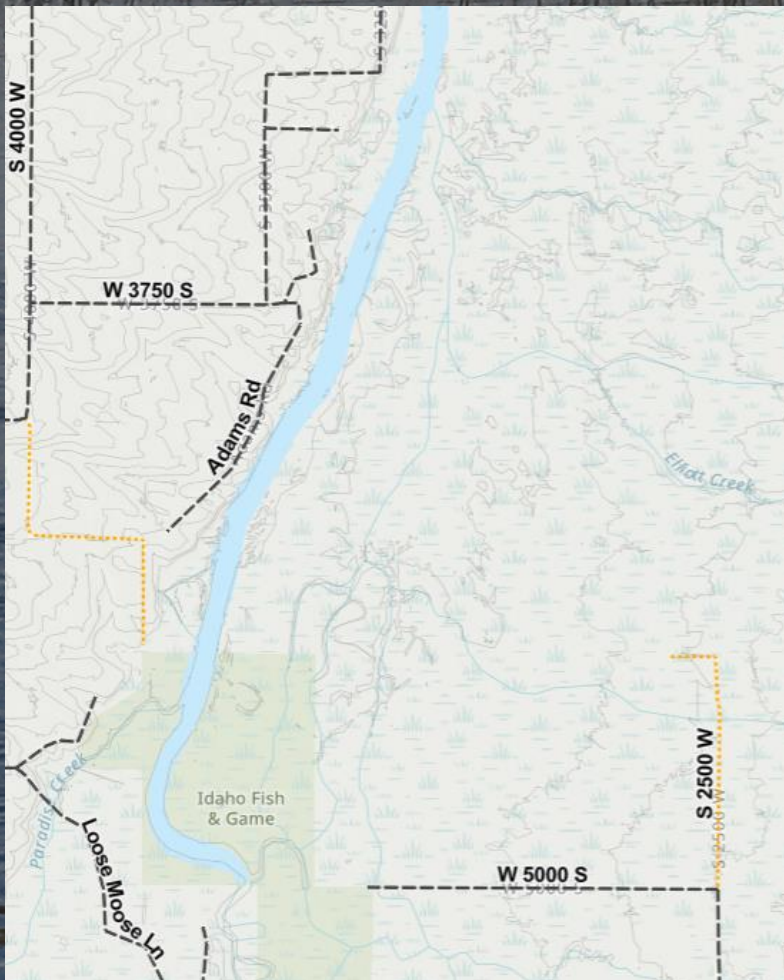


Foster Slough



Restoration Projects 2023/2024

INTERMOUNTAIN AQUATICS INC.



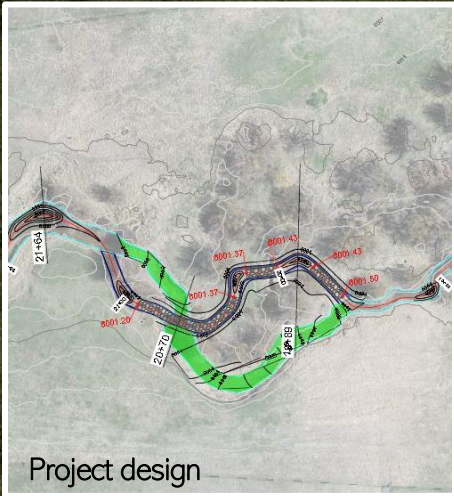
Intermountainaquatics.com (208) 354-3690
PO Box 1115 Driggs, Idaho 83422



PROJECT GOAL:
Increase habitat quality for juvenile trout

OBJECTIVES:

1. Increase pool habitat throughout project reach
2. Reroute poorly functioning channel sections to utilize mature willows for bank stability, fish cover, and stream shading
3. Narrow overly wide channel sections to increase transport of fine sediments and promote clean gravel substrates



ELLIOT CREEK RESTORATION

August 2024

Pre-project – August 2023



Post construction channel
realignment – August 2024



ELLIOT CREEK RESTORATION PROJECT HIGHLIGHTS

Pre-project – August 2023



Post construction channel
realignment – August 2024



August 2024 – Narrowed channel and excavated pools

PROJECT GOAL & OBJECTIVES:

Restore historic water extents and fish habitat in upper Foster Slough

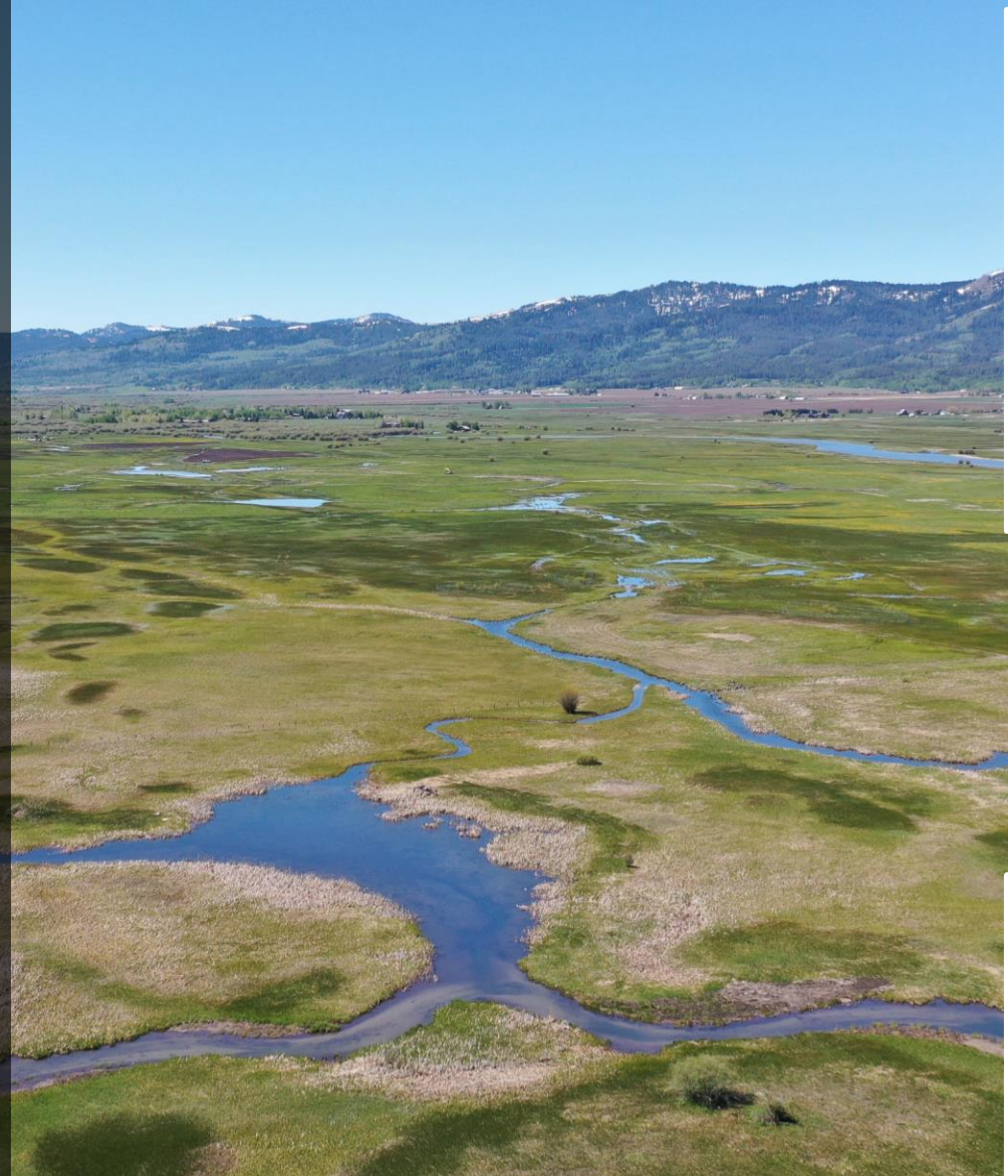
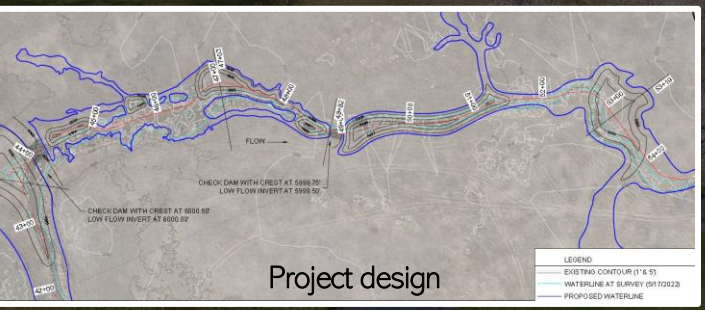
- 1. Use small check dams to pond water in the slough to historic (pre-Trail Creek irrigation system) extents
- 2. Provide high flow fish passage at check dams and excavate portions of the slough to access groundwater and provide juvenile overwinter fish habitat

Improve existing duck habitat

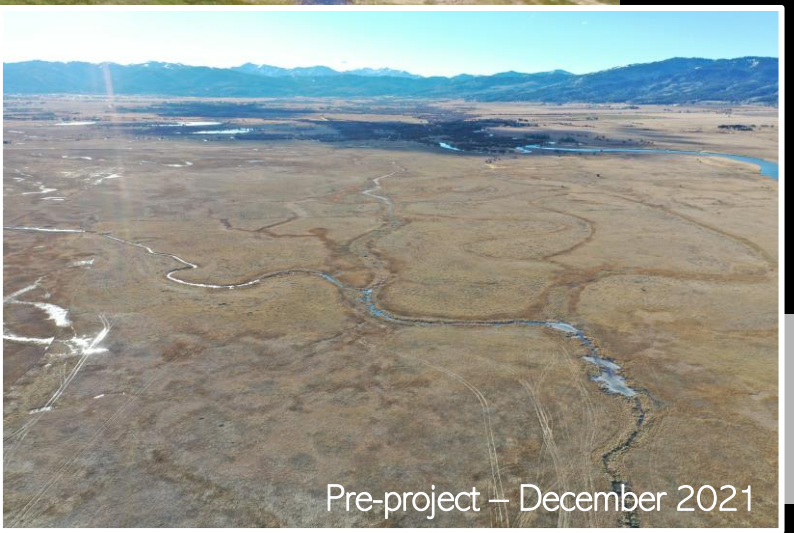
- 1. Increase flow through by routing outflows from hemi-marshes and upper Foster Slough

Enhance lower Foster Slough and Elliot Creek

- 1. Increase pool frequency and bedform diversity
- 2. Utilize point bar fill and wetland sod salvage for constriction above pools



Construction – December 2023



Pre-project – December 2021

FOSTER SLOUGH RESTORATION

Post construction – May 2024

FOSTER SLOUGH RESTORATION - PROJECT HIGHLIGHTS

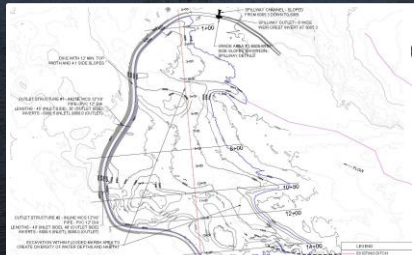


PROJECT GOAL:

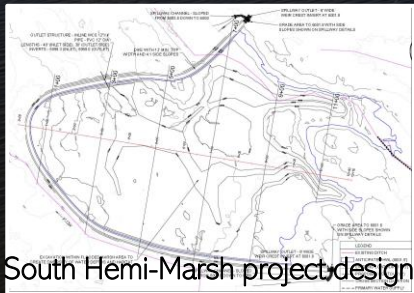
Construct two separate features to create 33 acres of hemi-marsh habitat in a historically flood irrigated hayfield

OBJECTIVES:

1. Construct highly functional wetlands and seasonal mudflats for waterfowl and shorebird habitat.
2. Plant clusters of willows for waterfowl nesting and manage shallow wetland areas for rearing.



North Hemi-Marsh project design



South Hemi-Marsh project design



Pre-project conditions – August 2023



North Marsh construction – February 2024

HEMI-MARSH HABITAT CREATION

Post construction – August 2024

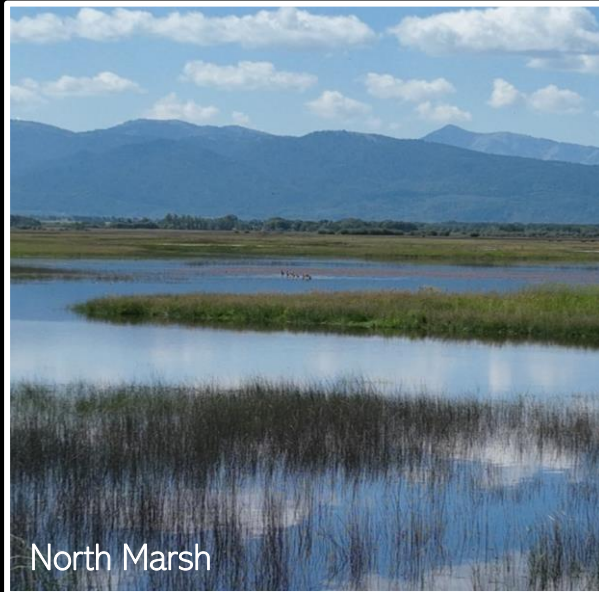
HEMI-MARSH - PROJECT HIGHLIGHTS



HEMI-MARSH - PROJECT HIGHLIGHTS



American Avocets



North Marsh



Canada geese



North Marsh



Wilson's Phalarope

HEMI-MARSH - PROJECT HIGHLIGHTS

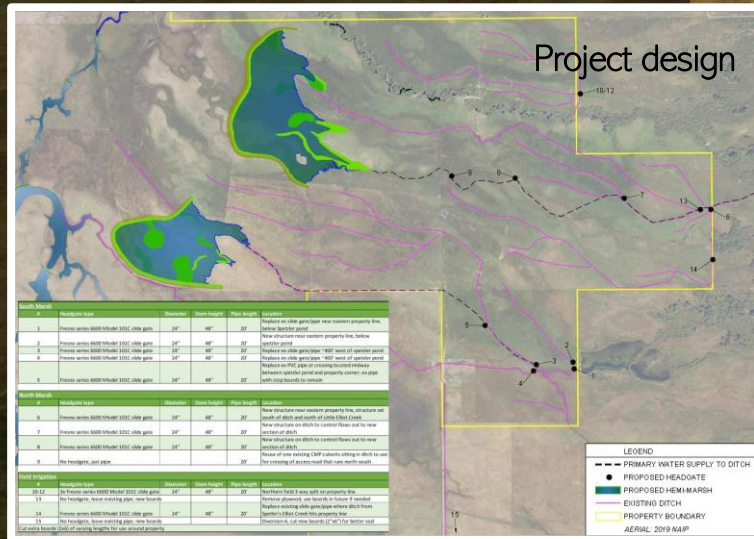


PROJECT GOAL:

Upgrade irrigation infrastructure to manage water throughout the property more efficiently

OBJECTIVES:

1. Install 12 new headgate diversion structures.
2. Clean out existing ditches
3. Construct new ditches to create direct supply to newly constructed hemi-marsh features



IRRIGATION INFRASTRUCTURE IMPROVEMENTS

September 2023

IRRIGATION IMPROVEMENT - PROJECT HIGHLIGHTS



PROJECT GOAL:

Establish 10 acres of annual barley to provide feed and cover for waterfowl, upland game birds, and sandhill cranes.



Field preparation prior to seeding



August 2024



Barley sprouts – July 2024

FOOD PLOTS

August 2024

WILLOW PLANTING



FOSTER SLOUGH WILDLIFE



