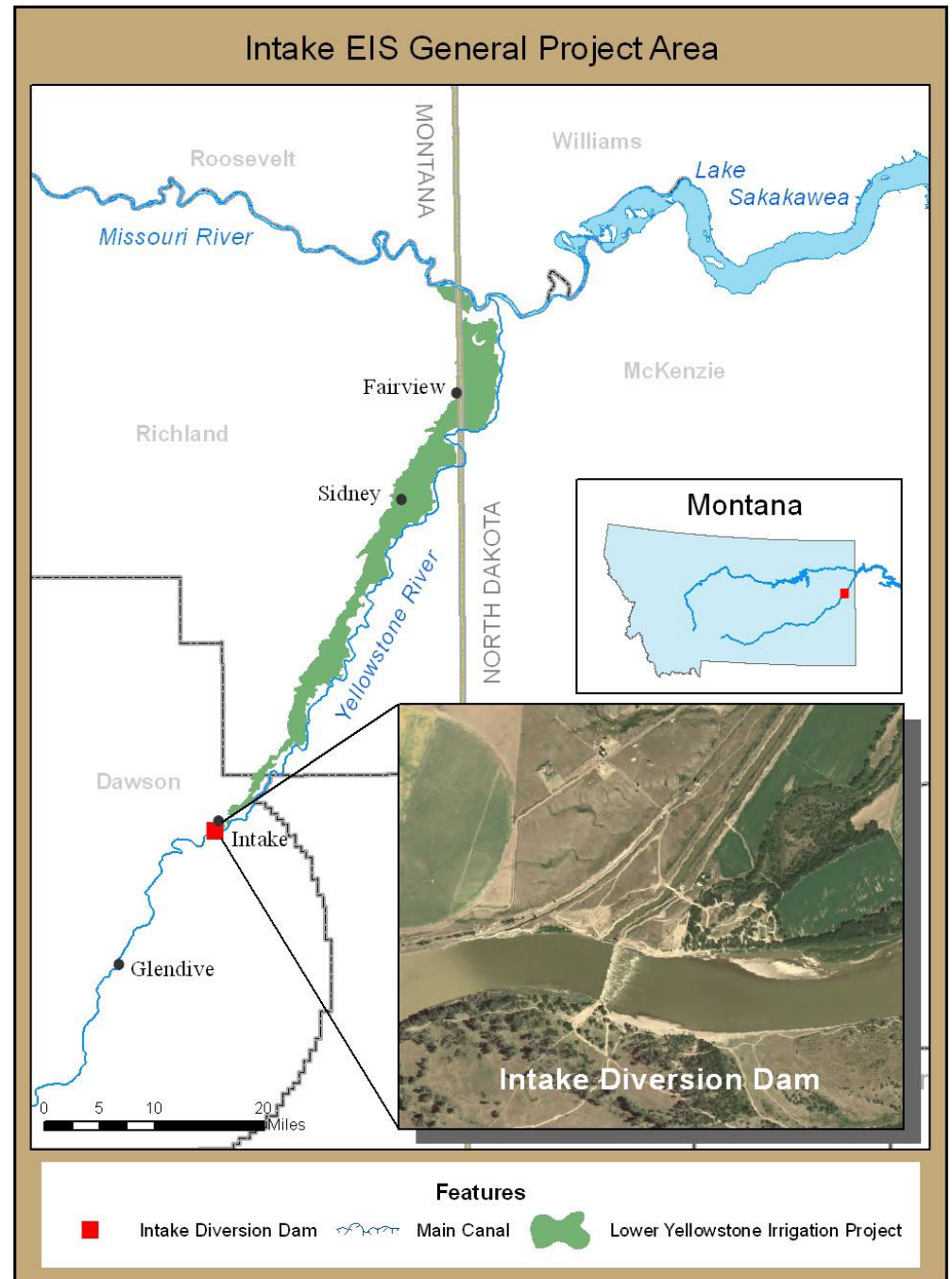


# Intake Diversion Dam Fish Passage Project EIS

MRBIR Executive Meeting  
February 11, 2016

Army Corps of Engineers  
Bureau of Reclamation

# Intake Diversion Dam Fish Passage Project EIS



# Intake Diversion Dam Fish Passage Project EIS



# Intake Diversion Dam Fish Passage Project EIS

## PROJECT STATUS

- FONSI - April 2015
- Awarded construction contract - August 2015
- Preliminary Injunction granted - September 2015
- Stipulated Stay Agreement signed - January 2016
  
- Moving Forward
  - EIS
  - ESA Consultation



# Intake Diversion Dam Fish Passage Project EIS

## Purpose and Need

- Improve Pallid Sturgeon Passage
- Continue Viable and Effective Operation of the Lower Yellowstone Irrigation Project

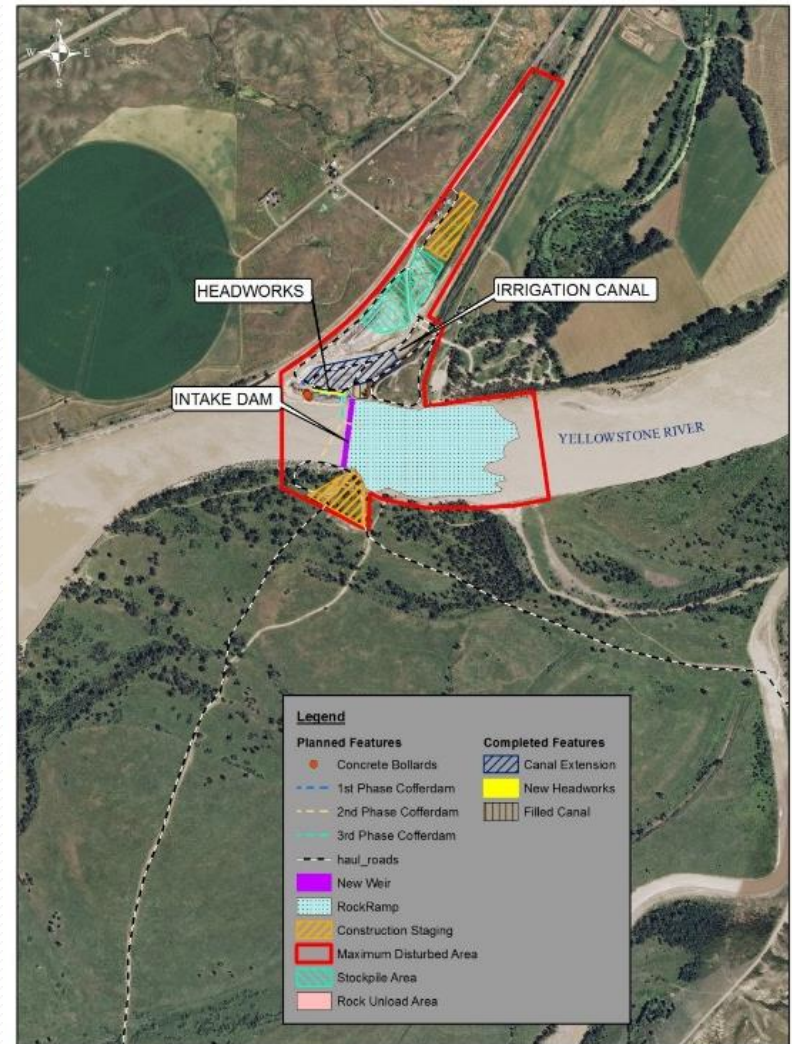
# Intake Diversion Dam Fish Passage Project EIS

## Alternatives

- No Action
- Rock Ramp
- Bypass Channel
- High Flow Channel
- Pumping
- Non-Weir Alternative

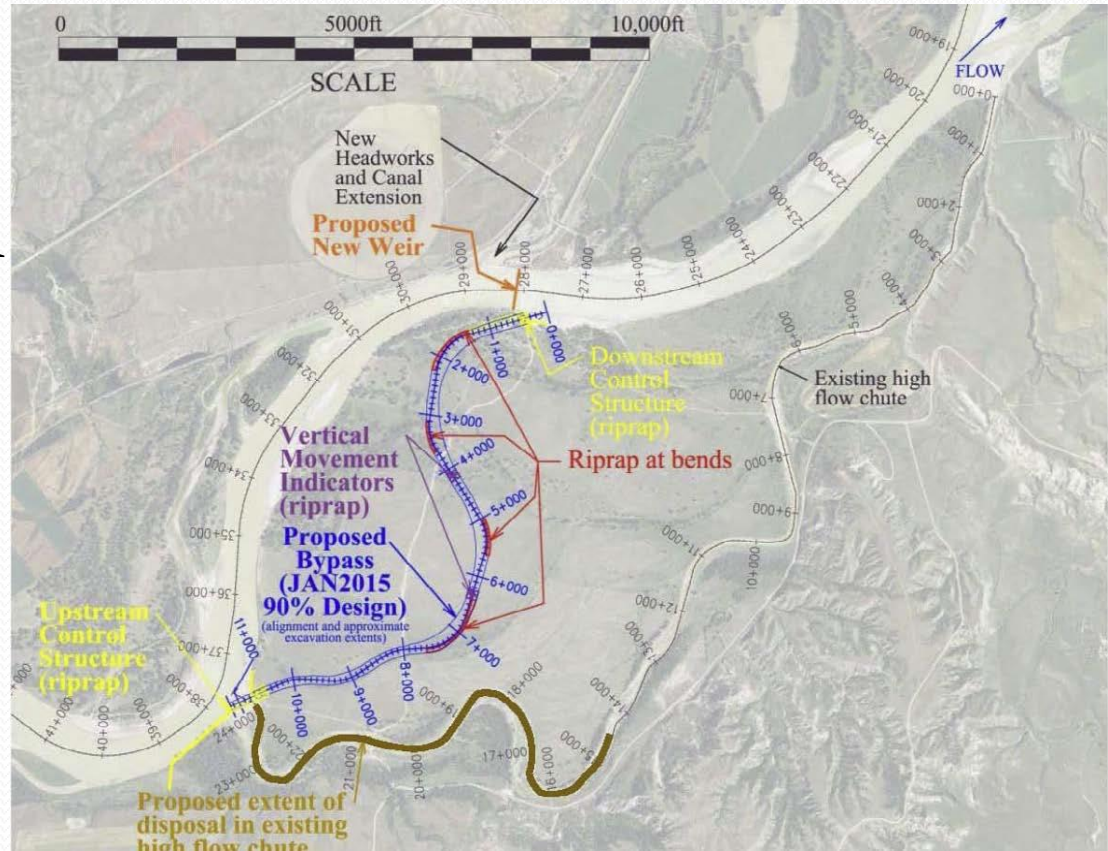
# Intake Diversion Dam Fish Passage Project EIS Rock Ramp

- Construct concrete weir
- Shallow sloped boulder and cobble rock ramp
- Weir crest would vary in elevation, including a low flow notch



# Intake Diversion Dam Fish Passage Project EIS Bypass Channel

- Construct concrete weir
- Construct side channel to carry 15% of main channel flow
- Grade control and bank stabilization in side channel
- Fill part of existing high flow channel





# Intake Diversion Dam Fish Passage Project EIS High Flow Channel

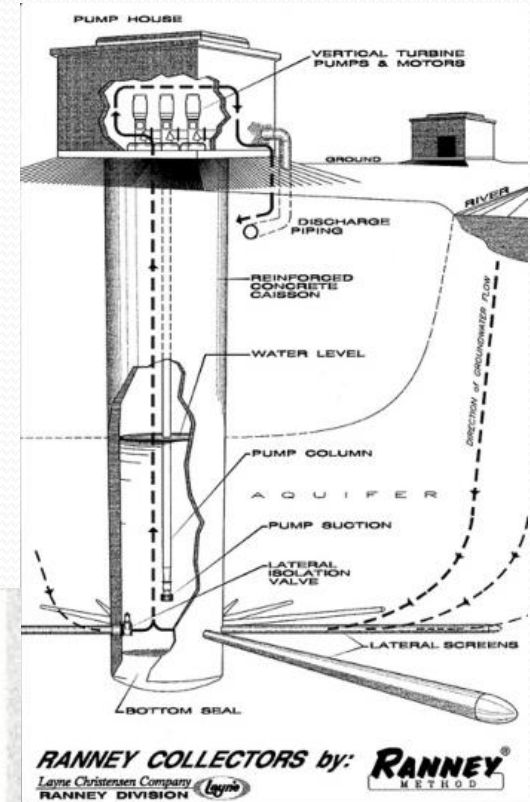
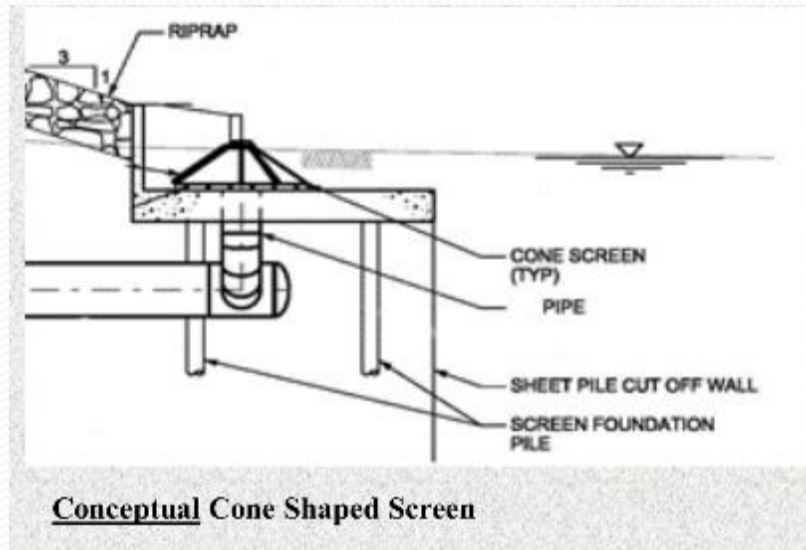
- Excavate existing high flow channel to meet BRT criteria
- Maintain existing weir



# Intake Diversion Dam Fish Passage Project EIS

## Pumping

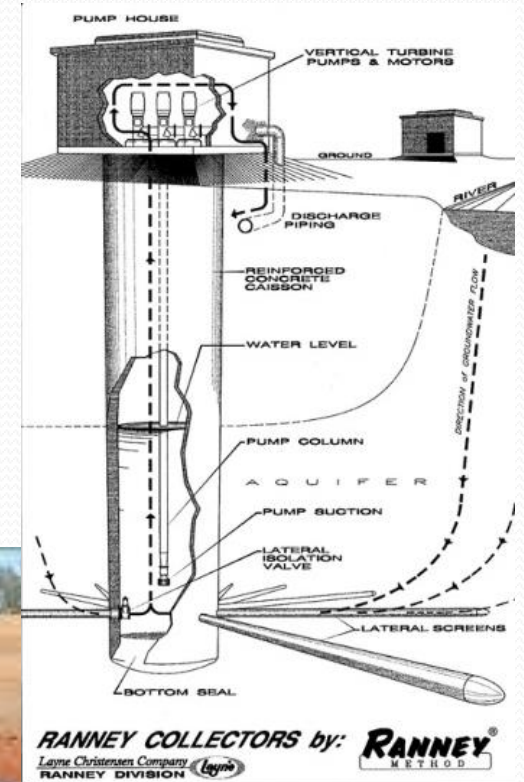
- Remove existing dam
- Screened surface water intakes or infiltration galleries constructed along the Yellowstone River
- Existing headworks may be used depending on water levels
- Power supply and backup generators
- Pipelines



# Intake Diversion Dam Fish Passage Project EIS

## Non-Weir

- Remove existing dam
- Infiltration galleries constructed along the Yellowstone River
- Conservation measures
- Alternative energy sources





# Intake Diversion Dam Fish Passage Project EIS

## Schedule

- Public Scoping: January 4 – February 18, 2016
- Public Review of DEIS: May 25 - July 11, 2016\*
- Final EIS: No later than December 31, 2016\*
- Record of Decision: No sooner than 30 days following issuance of the Final EIS

\* Dates subject to change



# Intake Diversion Dam Fish Passage Project EIS

## 2016 Field Activities

- **Entrainment monitoring at Intake headworks**
- **Passage monitoring**