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
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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
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Purpose and Need

• Improve Pallid Sturgeon Passage

• Continue Viable and Effective Operation of the Lower Yellowstone Irrigation Project
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Alternatives

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

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

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

[Diagram of pumping system]

[Diagram of conceptual cone shaped screen]
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Non-Weir

- Remove existing dam
- Infiltration galleries constructed along the Yellowstone River
- Conservation measures
- Alternative energy sources
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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
2016 Field Activities

• Entrainment monitoring at Intake headworks

• Passage monitoring