

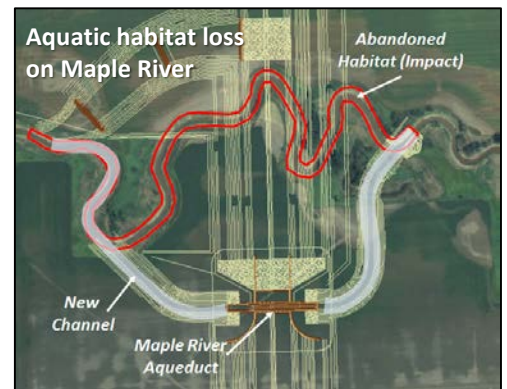
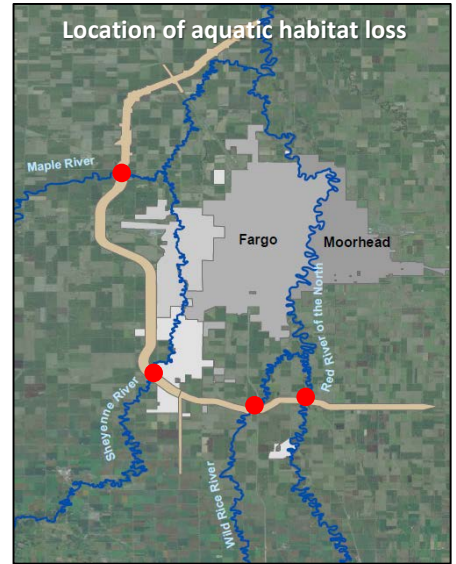
Fargo-Moorhead Flood Project

Aquatic Habitat Mitigation Overview



US Army Corps
of Engineers®
St. Paul District

- Aquatic habitat impacts occur from channel abandonment
- Result is a loss of river habitat
- Aquatic impacts needing mitigation occur on following rivers:
 - Red (ND/MN)
 - Wild Rice (ND)
 - Sheyenne (ND)
 - Maple (ND)
- Total impact – approximately 9.8 “habitat units”
 - Habitat unit is measure of habitat quantity & quality
 - 5.1 Habitat Units on ND tributaries
 - 4.7 Habitat Units on Red River (ND/MN)
- Pursuing mitigation options in following areas:
 - Bois de Sioux River (ND/MN) ≈ 7-8 habitat units available
 - Sheyenne River (multiple sites; ND) ≈ 4-5 H.U. available
 - Lower Otter Tail River (MN) ≈ 10+ H.U. available
- Challenges - Landowner Willingness
 - Will avoid condemnation for mitigation land if possible
- USACE Civil Works policy requires mitigation be done in a watershed context. Not judged by State boundaries.
- USACE is making every effort to do majority of mitigation in ND, but must fulfill our mitigation requirements so we can get the Project built and providing benefits .



- NOTE - Project also has impacts to fish passage and connectivity
- These impacts are being mitigated with two projects in North Dakota:
 - Drayton Dam Fish Passage Project
 - Wild Rice Dam Removal

