

## **Weber County Weber River Structure Repair**

### **NEPA Public Scoping Project Description**

The Weber River splits into three separate channels in western Weber County on the Ogden Bay Waterfowl Management Area operated by the Utah Division of Wildlife Resources: 1) North Run, 2) Middle Run, and 3) South Run. The outlet of each of these three channels is controlled by water control structures consisting of radial gates and overflow weirs. Flood flows in the Weber River sometimes become constricted at these three water control structures and back water up in the river resulting in potential damage to resources upstream. During the 2011 flood event in the Weber River, portions of the dike system on the Ogden Bay Waterfowl Management Area were mechanically breached to bypass the Middle Run and South Run water control structures to reduce flood impacts to adjacent property on the river.

Natural Resources Conservation Service (NRCS) and Weber County are analyzing the repair/modification of the structures, the creation of levees/dikes and other alternatives to reduce flooding adjacent to the Weber River. Conceptual alternatives that have been identified during the scoping process include the following:

- **Structure Repair:**
  - Middle Run Water Control Structure
    - Replace the existing radial gates with larger radial gates to increase the flood flow capacity of the structure; or
    - Install a new structure adjacent to the existing structure.
  - South Run Water Control Structure
    - Install a new structure with radial gates near the existing structure to increase the flow capacity on the upstream side of the dike system, and
    - Install a new structure on the northern side of the south run outlet and the west side of the water control dike to transport additional flood flows from the upgraded or new Middle Run water control structure to the Salt Lake.
- **Levees/Dikes:** Dikes and/or levees would be constructed adjacent to the Weber River to prevent flood flows from overtopping the banks and flood adjacent property.
- **Other Alternatives:** Other alternatives will be analyzed during the NEPA process to reduce flood impacts to the surrounding community.

### **NEPA Analysis**

This project is being partially funded by the NRCS Emergency Watershed Protection (EWP) program to reduce impacts from future flood events in the Weber River. A National Environmental Policy Act (NEPA) Programmatic Environmental Impact Statement was prepared by NRCS for the EWP program; however, the Weber River Structure Repair does not fit within the analysis parameters of the PEIS since this project will increase flood protection above 2011 pre-flood protection levels. NRCS, as the lead federal agency, is initiating additional NEPA analysis in the form of an Environmental Assessment to analyze impacts to the natural and human environment from this project. The Environmental Assessment will comply with the Council on Environmental Quality's regulations at 40 CFR Parts 1500-1508 which require an evaluation of potential environmental impacts associated with federal projects and actions.

# Weber County Weber River Structure Repair

Figure 1



# Weber County Weber River Structure Repair

Figure 2

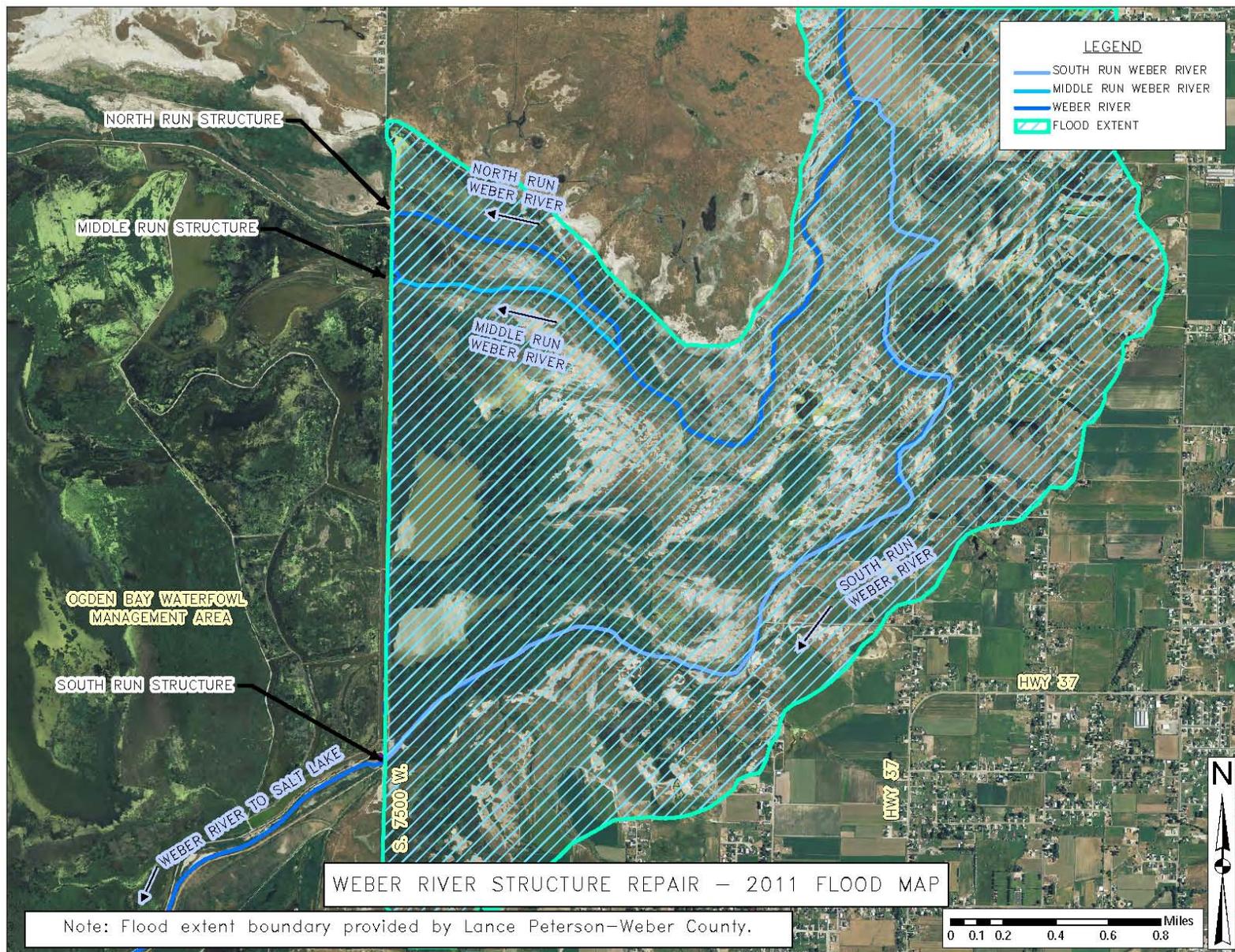
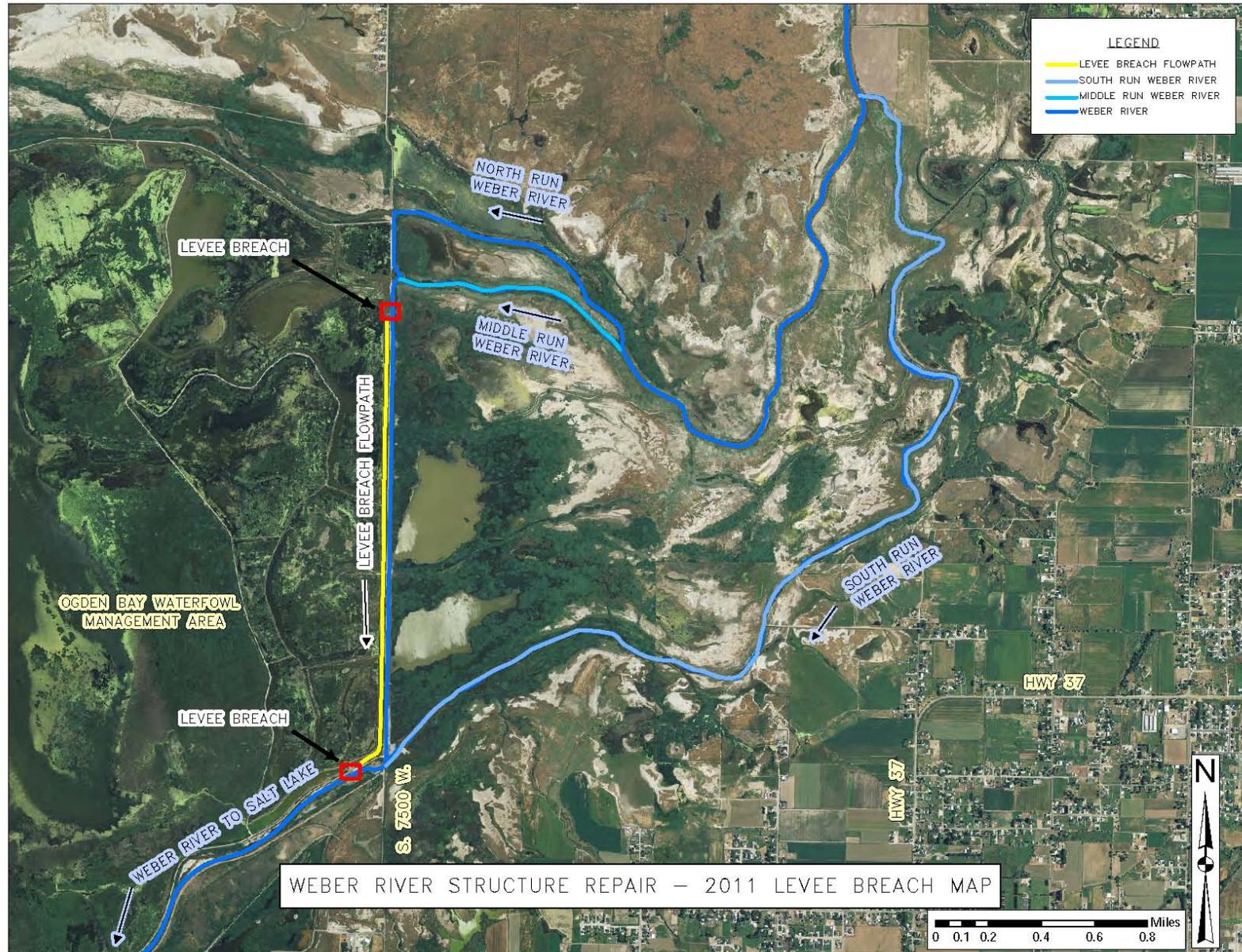


Figure 3



**Photos**



Middle Run Structure (Upstream End)



Middle Run Structure (Upstream End)



South Run Structure (Upstream End)



South Run Structure (Downstream End)

Photos



Middle Run Structure 2011 Levee Breach



South Run Structure 2011 Levee Breach