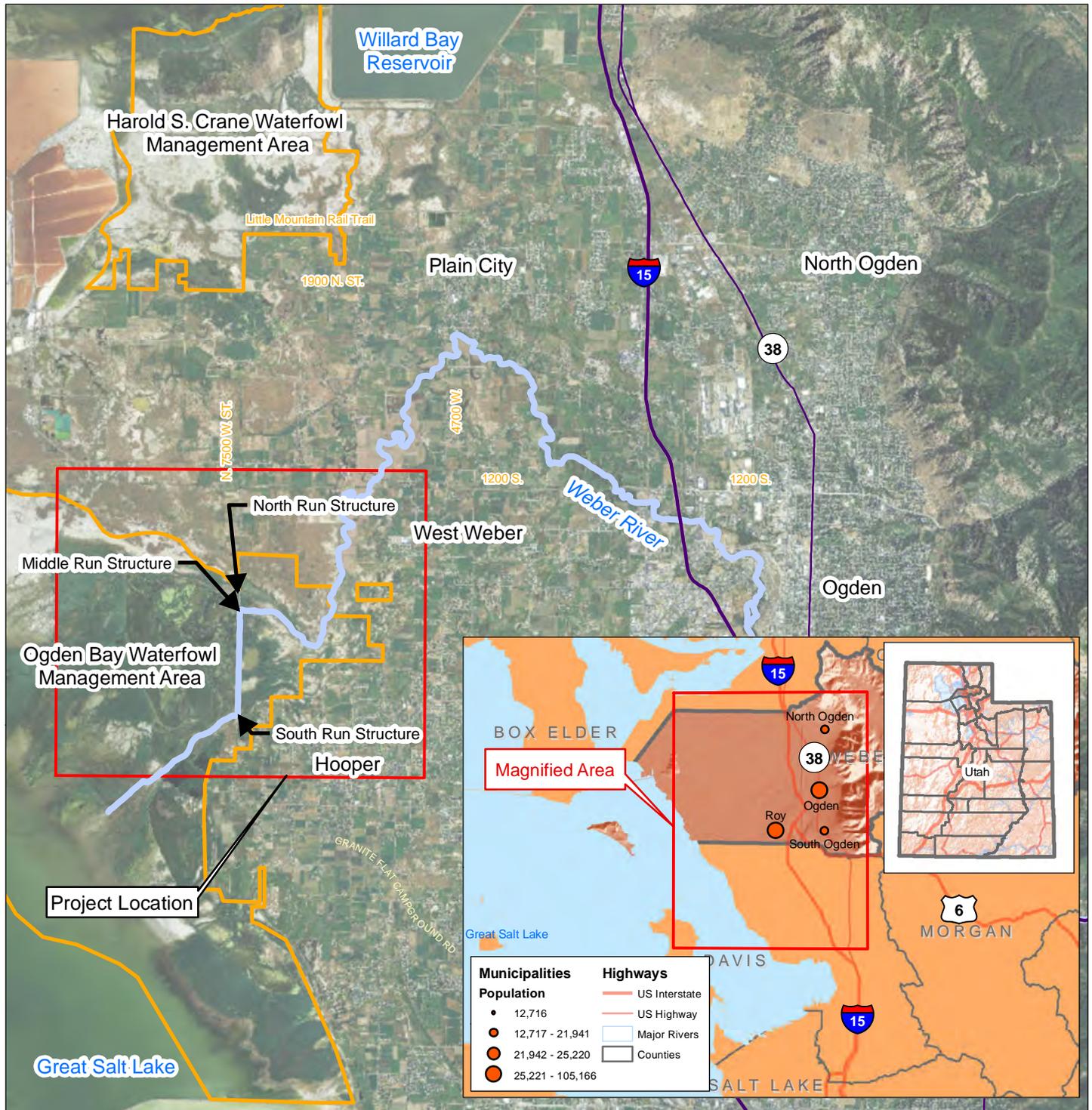


APPENDIX B

PROJECT MAPS

- Figure 1: Vicinity Map
- Figure 2: Watershed Map
- Figure 3: 2011 Flood and Breach Map
- Figure 4: Structure Repairs Alternative North Run Option
- Figure 5: Structure Repairs Alternative Middle Run Option
- Figure 6: Structure Repairs Alternative South Run Option
- Figure 7: South Run Details 1
- Figure 8: South Run Details 2
- Figure 9: Structure Repairs Alternative Unit 1 Option
- Figure 10: Unit 1 Details
- Figure 11: Lower Weber River Levee Alternative
- Figure 12: Lower Weber River Levee Details
- Figure 13: Lower Weber River Floodplain Easement Alternative
- Figure 14: River Gages



NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Shaded reliefs derived from 10- and 90-m USGS DEMs. Points, lines and polygons supplied by various state and federal sources, including UDWR, UDOT, and USGS.

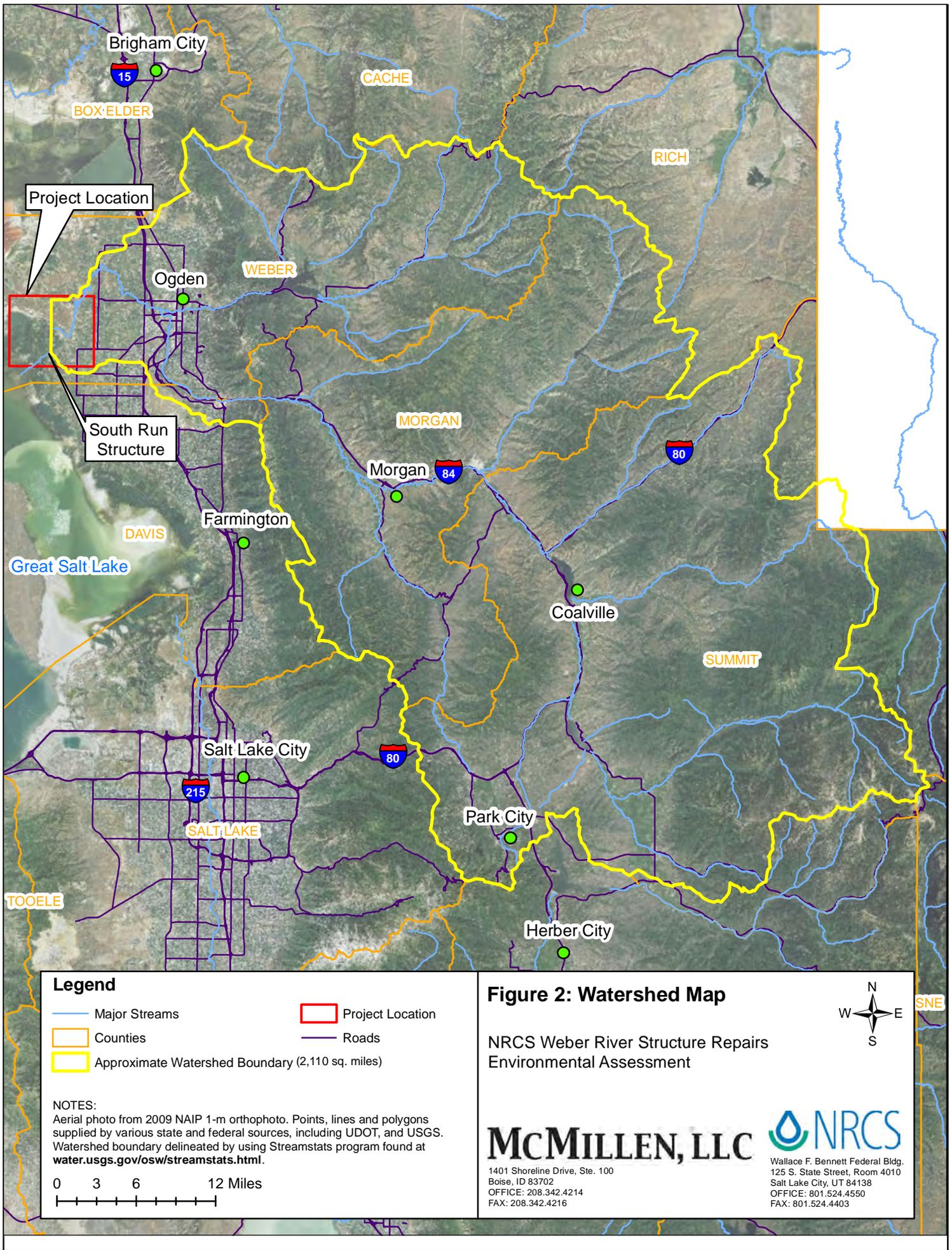
Figure 1: Vicinity Map

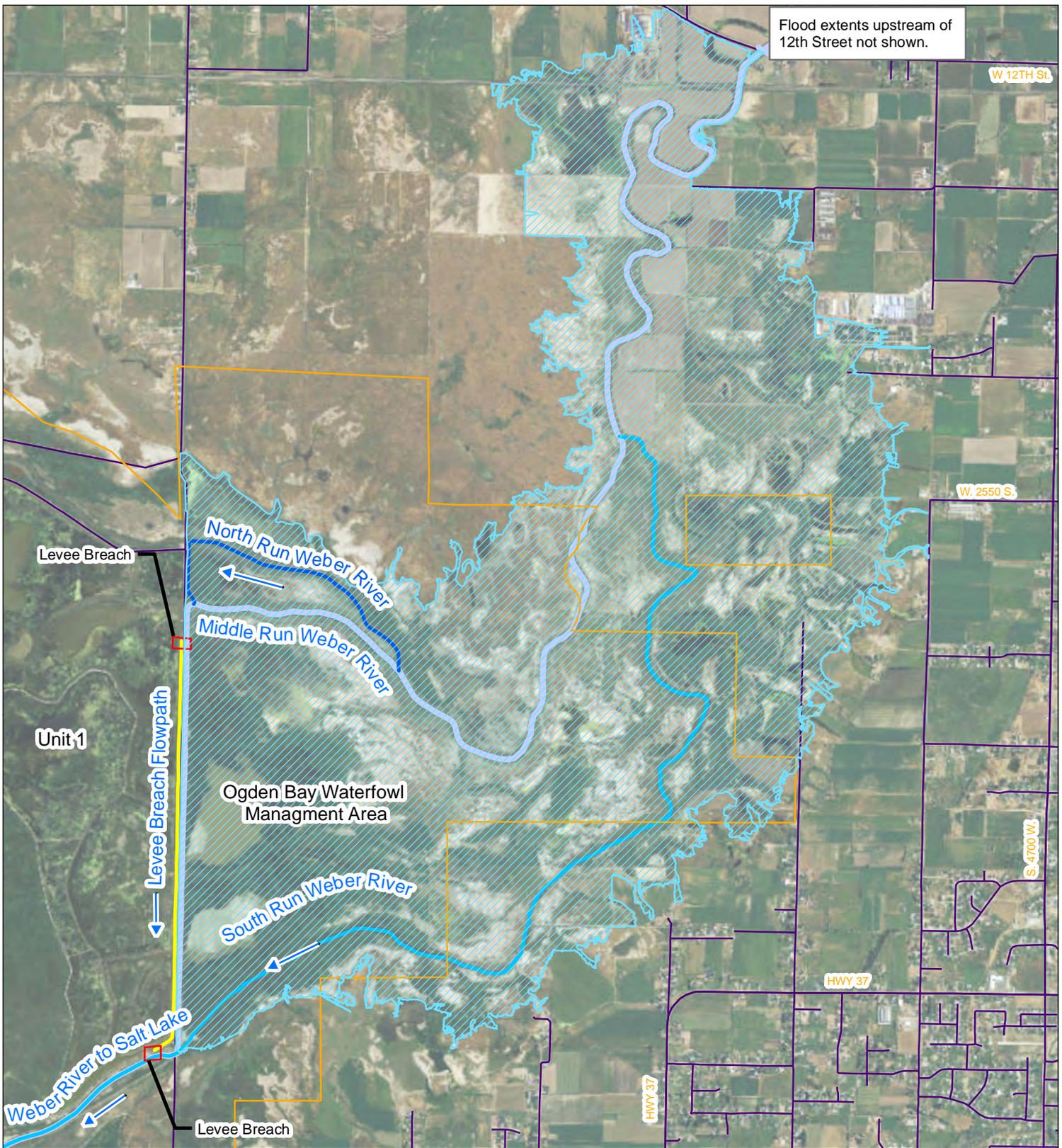
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Legend

- 2011 Flood Event (Approximate)
- Levee Breach Location
- 2011 Levee Breach Flowpath
- Ogden Bay Waterfowl Management Area
- North Run Weber River
- South Run Weber River
- Weber River
- Roads

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Points, lines and polygons supplied by various state and federal sources, including UDWR, UDOT, and USGS.
 Approximate flood extents provided by Bowen Collins & Associates, Inc.

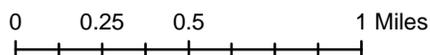


Figure 3:
2011 Flood and Breach Map
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North Run Structure Repair
Replace 3 Radial gates

North Run Weber River

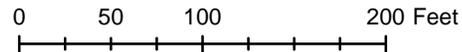
Unit 1

Legend

-  North Run Structure Repair
-  North Run Weber River
-  Weber River

NOTES:

Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto.



**Figure 4:
Structure Repairs Alternative
North Run Option**

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Middle Run Structure Repair
-Replace 2 Slide Gates
-Replace Radial Gate



North Run Weber River

Middle Run Weber River

Weber River

Unit 1

Legend

-  Middle Run Structure Repair
-  North Run Weber River
-  Weber River

NOTES:
Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by Bowen Collins & Associates, Inc.

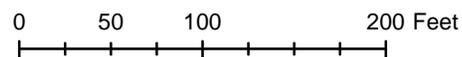


Figure 5:
Structure Repairs Alternative
Middle Run Option
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Environmental Assessment



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Unit 1

South Run New Structure
-Install New Radial Gate Structure

Install New Riprap
Bank Stabilization

South Run Weber River

Install New Riprap
Bank Stabilization

Weber River

South Run Weber River

South Run Structure Repair
-Remove Wood Deck and Rails
-Install New Concrete Deck

S. 7500 W.

NOTE: Details of improvements are listed on Figures 7 and 8.

Legend

-  RipRap Bank Stabilization
-  South Run Structure Repair
-  South Run New Structure
-  South Run Weber River
-  Weber River

NOTES:
Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design by Bowen Collins and Associates, Inc.

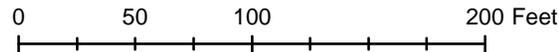


Figure 6:
Structure Repairs Alternative
South Run Option
 NRCS Weber River Structure Repairs
 Environmental Assessment

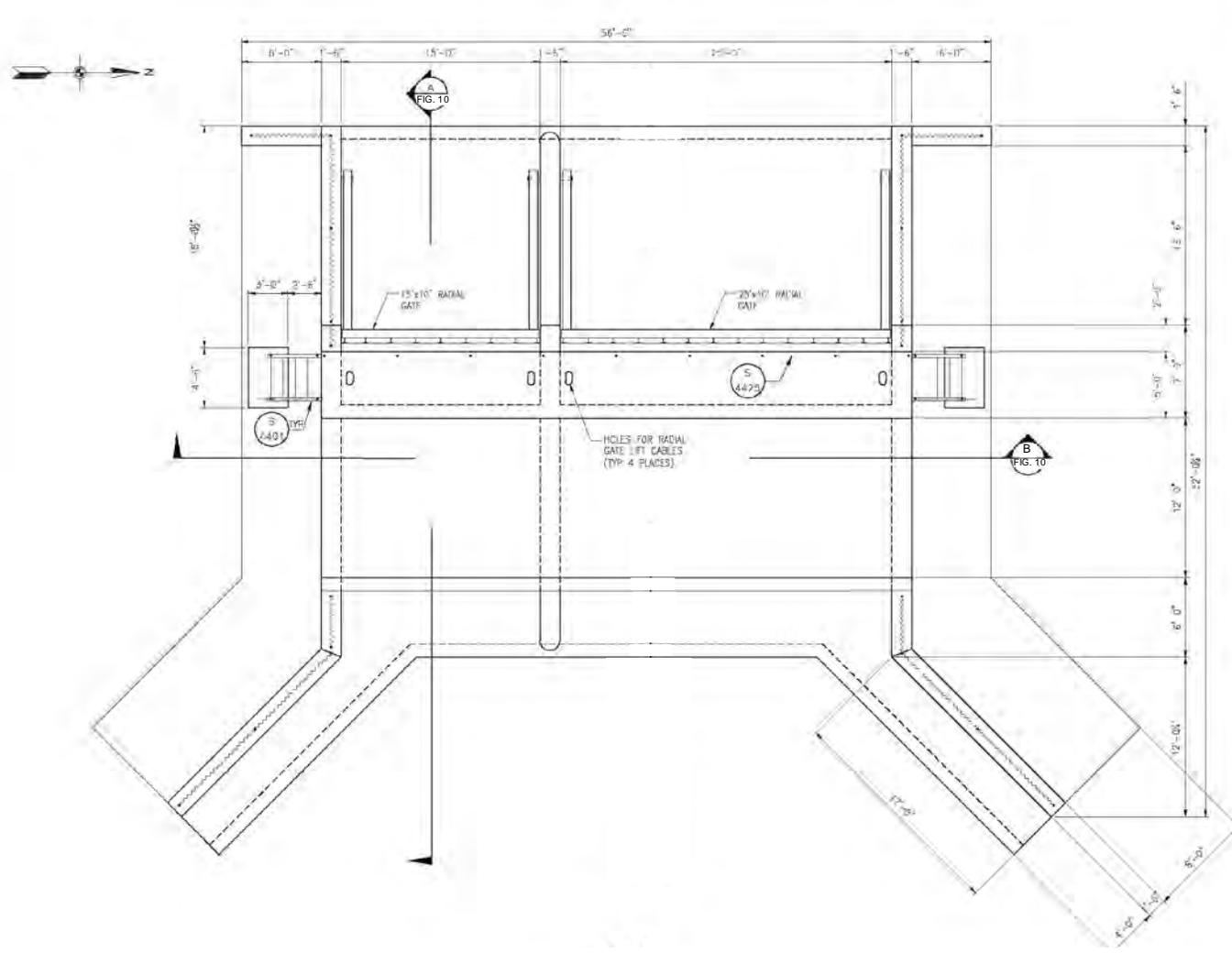


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**SOUTH RUN NEW STRUCTURE PLAN
NTS**

**Figure 7:
South Run Details 1**
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Environmental Assessment
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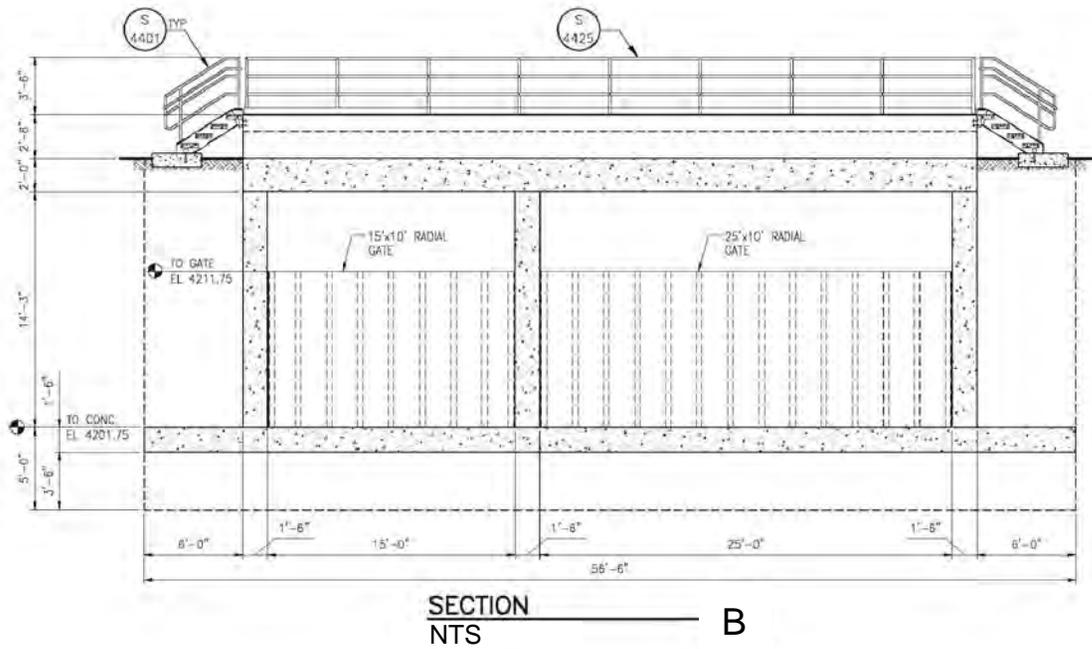
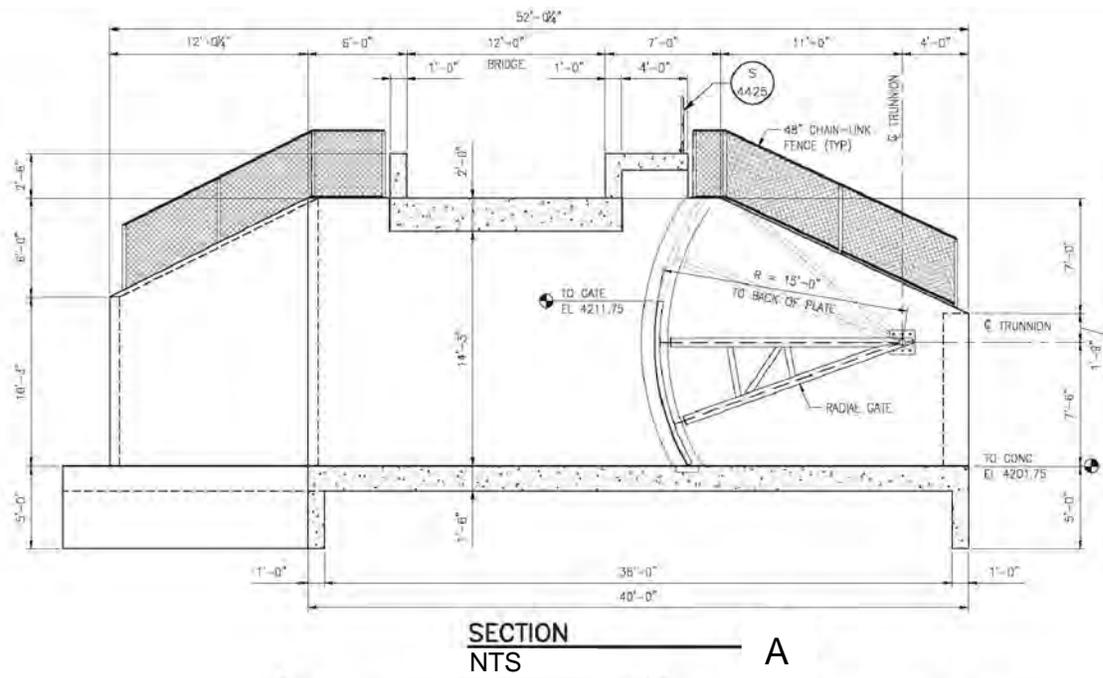
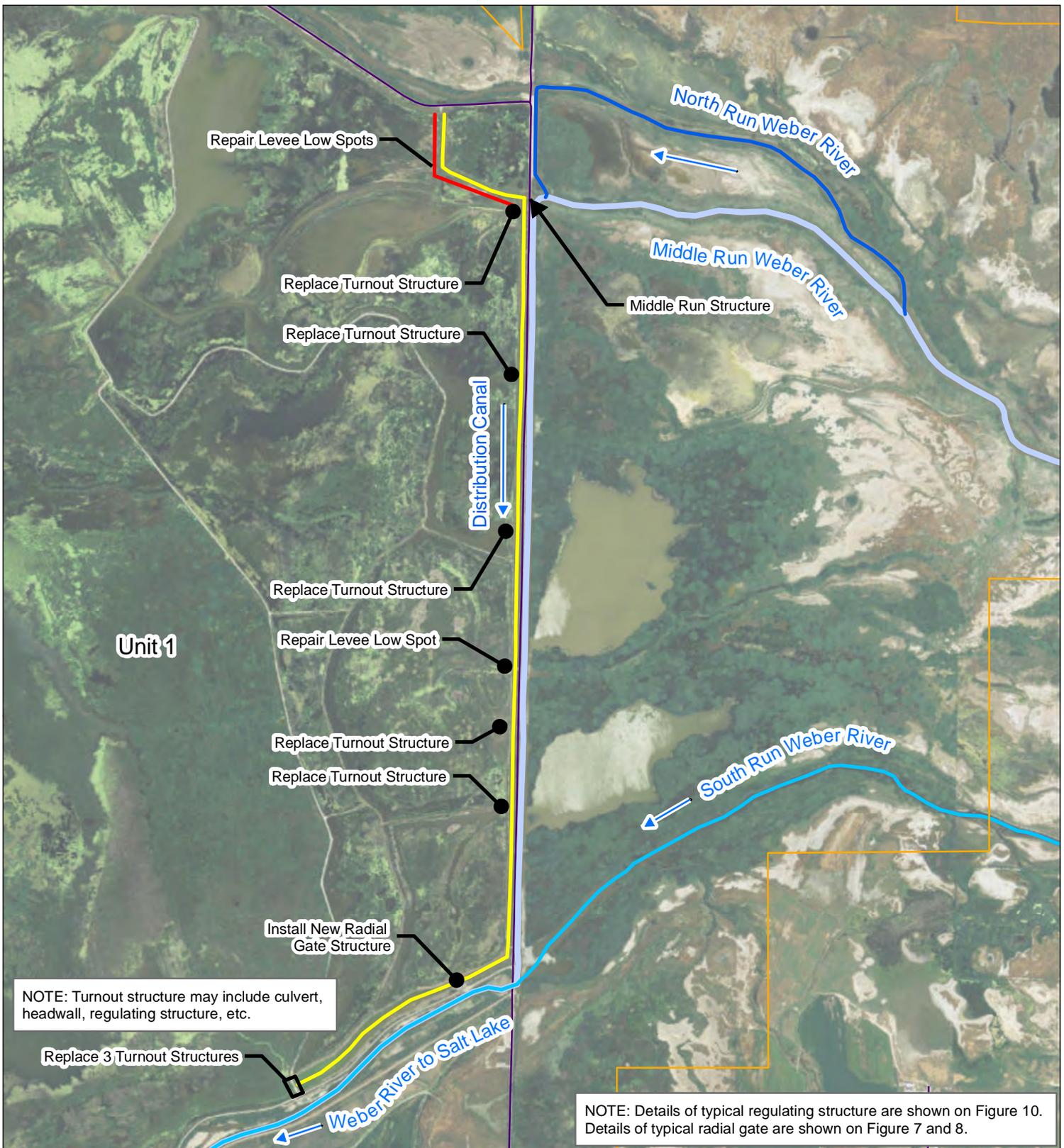


Figure 8:
South Run Details 2
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Design provided by Bowen Collins & Associates, Inc.

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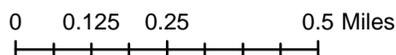
NOTE: Turnout structure may include culvert, headwall, regulating structure, etc.

NOTE: Details of typical regulating structure are shown on Figure 10. Details of typical radial gate are shown on Figure 7 and 8.

Legend

- North Run Weber River
- South Run Weber River
- Distribution Canal
- Weber River
- Levee
- Ogden Bay Waterfowl Management Area
- Roads

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Points, lines and polygons supplied by various state and federal sources, including UDWR, UDOT, and USGS. Design provided by Bowen Collins & Associates, Inc.



**Figure 9:
 Structure Repairs Alternative
 Unit 1 Option**

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 Environmental Assessment

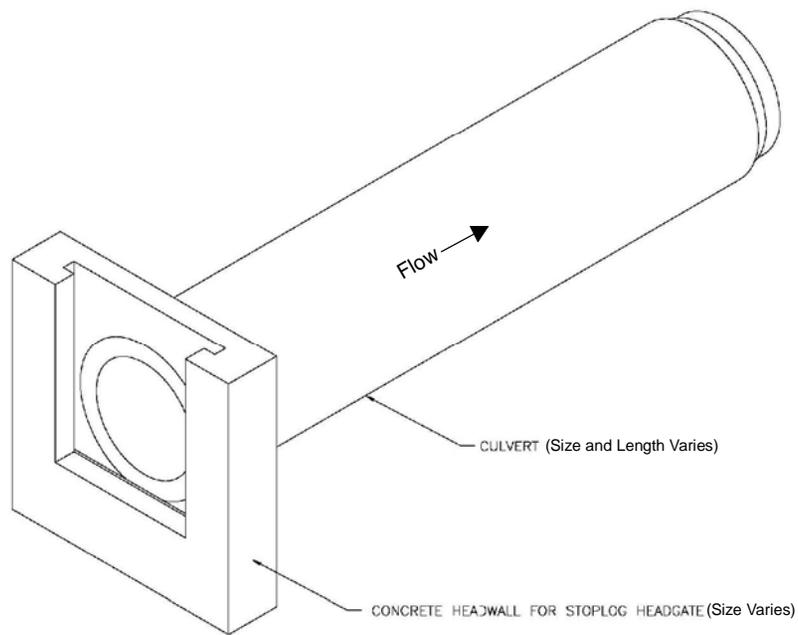


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REGULATING STRUCTURE

**Figure 10:
Unit 1 Details**

NRCS Weber River Structure Repairs
Environmental Assessment

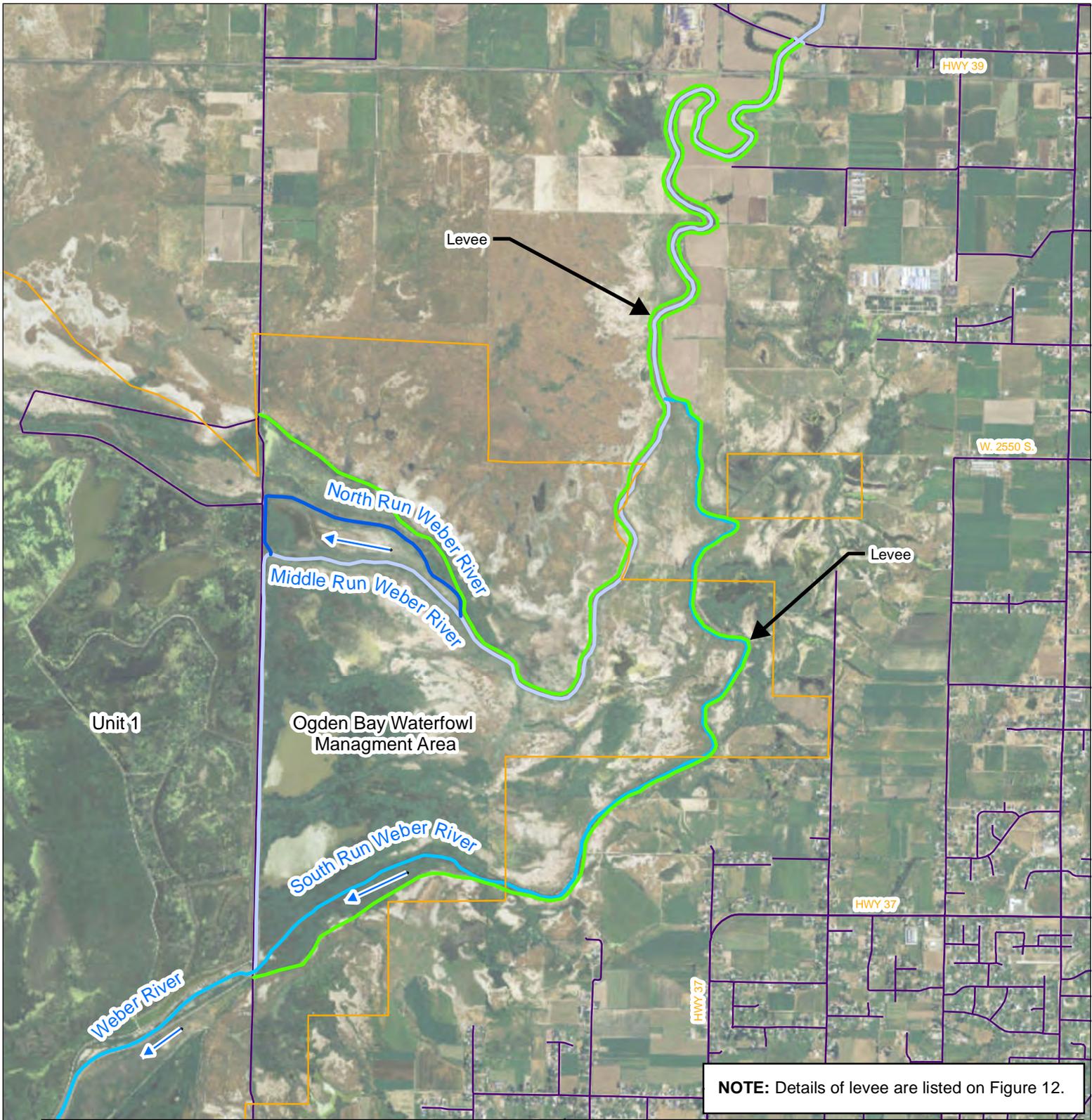
Design provided by Bowen Collins & Associates, Inc.

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NOTE: Details of levee are listed on Figure 12.

Legend

- Levee Alignment
- Weber River
- North Run Weber River
- South Run Weber River
- Ogden Bay Waterfowl Management Area
- Roads

NOTES:
 Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Design provided by McMillen, LLC.

0 0.2 0.4 0.8 Miles

Figure 11: Lower Weber River Levee Alternative

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**Figure 12: Lower Weber River
Levee Details**

NRCS Weber River Structure Repairs
Environmental Assessment

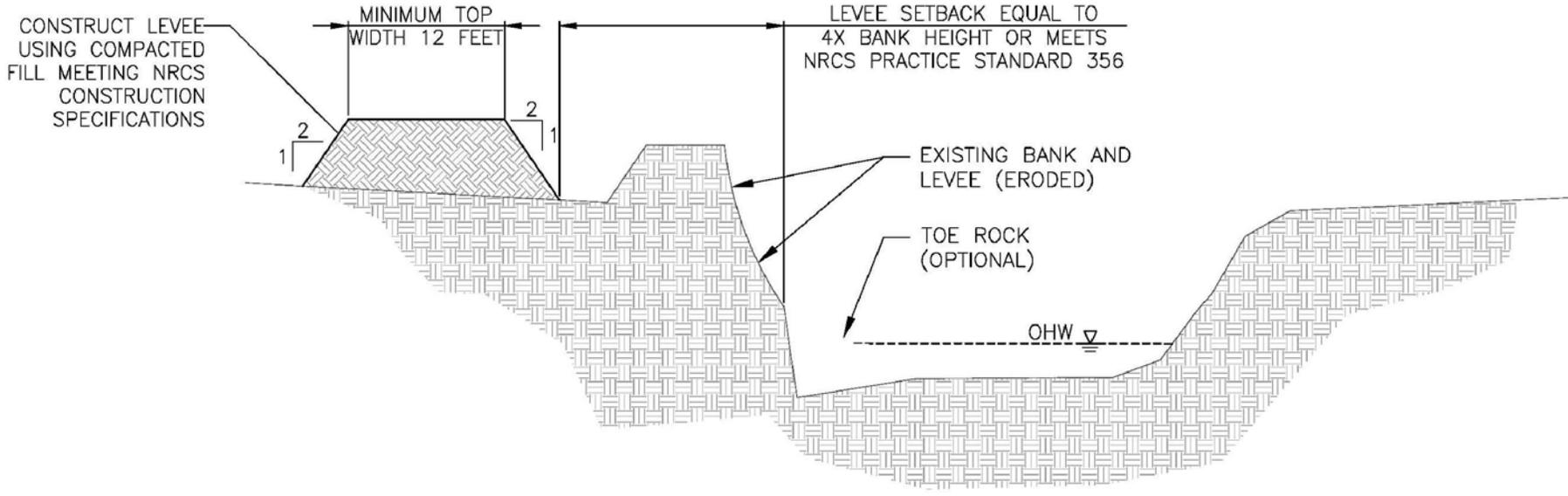
Design provided by McMillen, LLC

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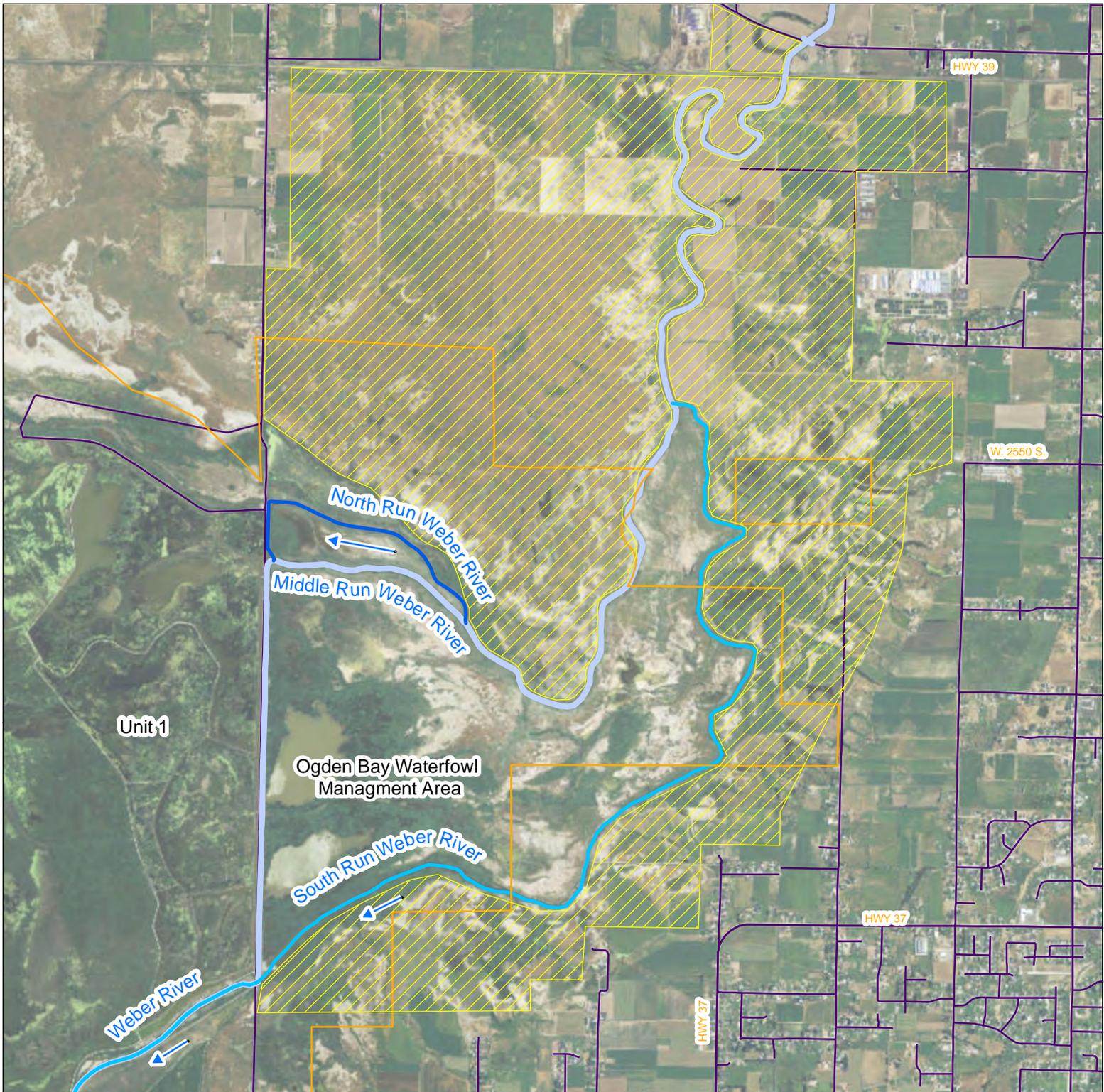


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CONSTRUCT LEVEE

SCALE: NTS



Legend

- Lower Weber River Flood Easement (Approximate)
- Ogden Bay Waterfowl Management Area
- North Run Weber River
- South Run Weber River
- Weber River
- Roads

NOTES:

Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto. Easement locations provided by McMillen, LLC.

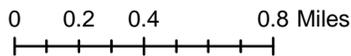


Figure 13: Lower Weber River Floodplain Easement Alternative

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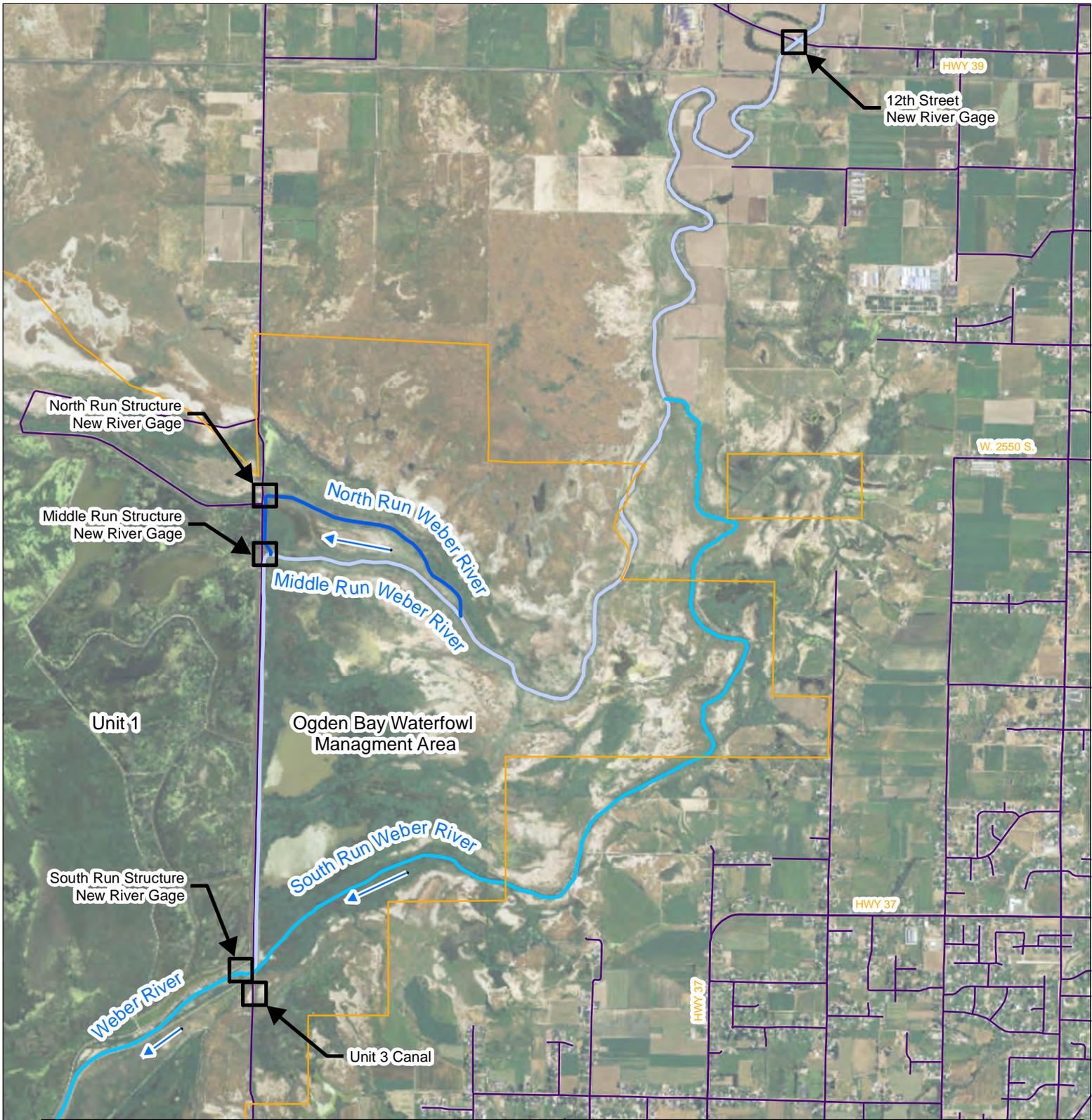


Figure 14: River Gages

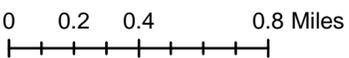
NRCS Weber River Structure Repairs
Environmental Assessment



Legend

- Weber River
- North Run Weber River
- South Run Weber River
- Ogden Bay Waterfowl Management Area
- NewRiverGages
- Roads

NOTES:
Aerial photo from 2009 NAIP 1-m orthophoto. Stream centerlines were digitized manually based on the 2009 NAIP 1-m orthophoto.



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