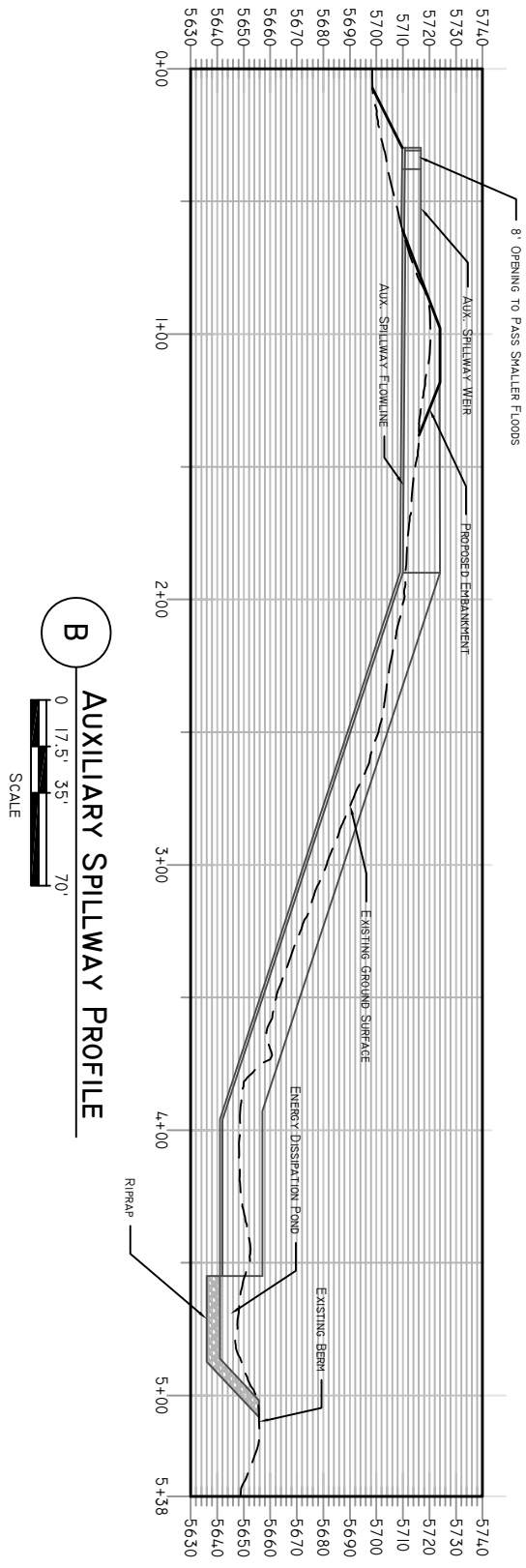
Appendix C: Project Maps

- **Auxiliary Spillway Profile**
- **Dam Decommissioning Alternative Layout**
- **Dam Rehabilitation Layout**
- **Dam Rehabilitation Section**
- **Embankment Crest Profile**
- **Principal Spillway Profile**
- **Structural Rehabilitation Alternative Flood Inundation Area, 2-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 5-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 10-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 10-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 25-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 50-Year Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 200-Yr Storm, Max Impact**
- **Structural Rehabilitation Alternative Flood Inundation Area, 500-Yr Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 2-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 5-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 10-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 25-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 50-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 200-Year Storm, Max Impact**
- **Decommissioning Alternative Flood Inundation Area, 500-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 2-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 5-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 10-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 25-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 50-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 200-Year Storm, Max Impact**
- **Existing Conditions Flood Inundation Area, 500-Year Storm, Max Impact**

Auxiliary Spillway Profile



B

AUXILIARY SPILLWAY PROFILE

SCALE 0 17.5' 35' 70'

Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Auxiliary Spillway Profile

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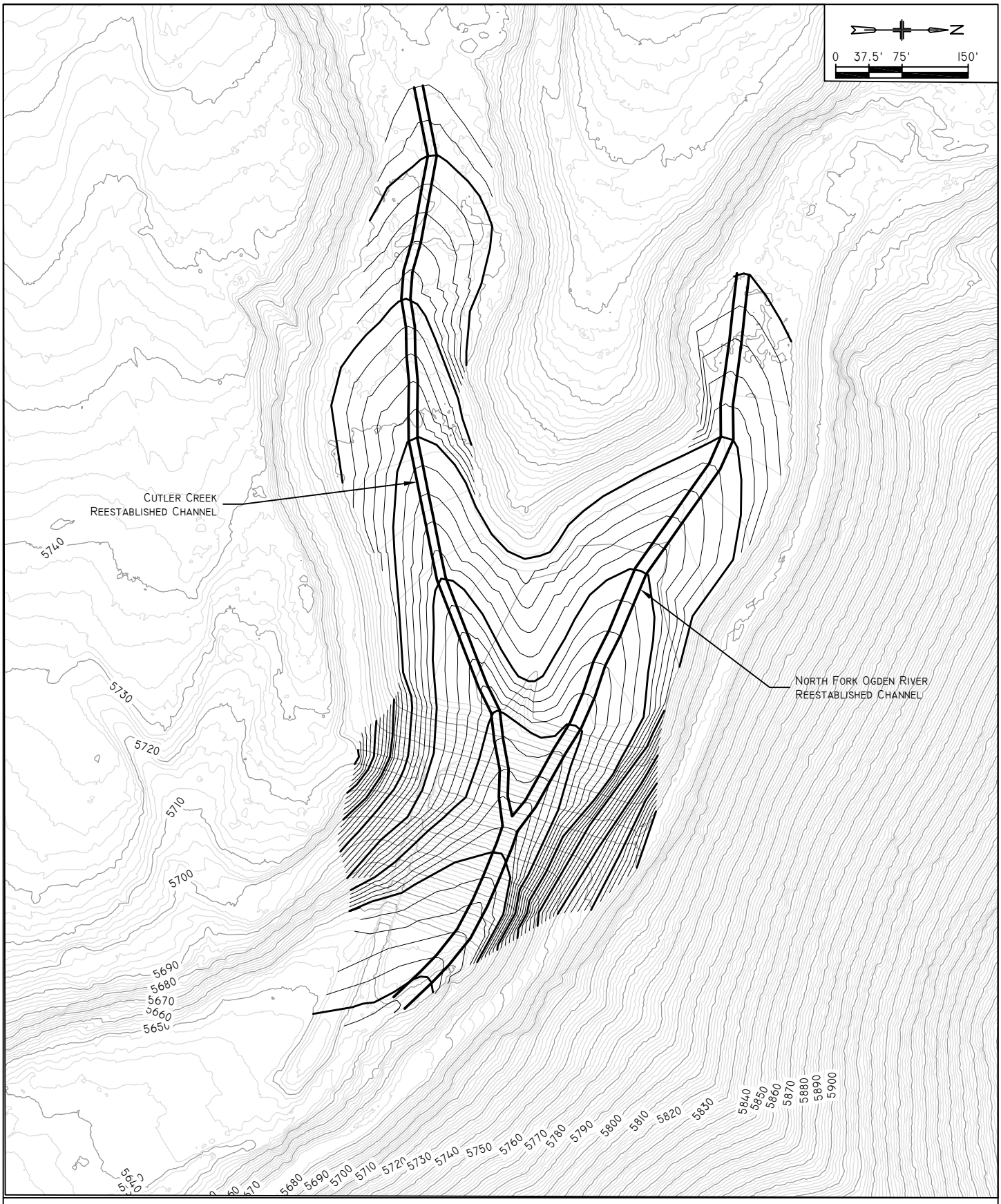
O:\23074 Weber Co Utaba Dam Rehabilitation\DWGs\Topo Figs.dwg

Dam Decommissioning Alternative Layout



Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Dam Decommission Alternative Layout

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Natural Resources Conservation Service

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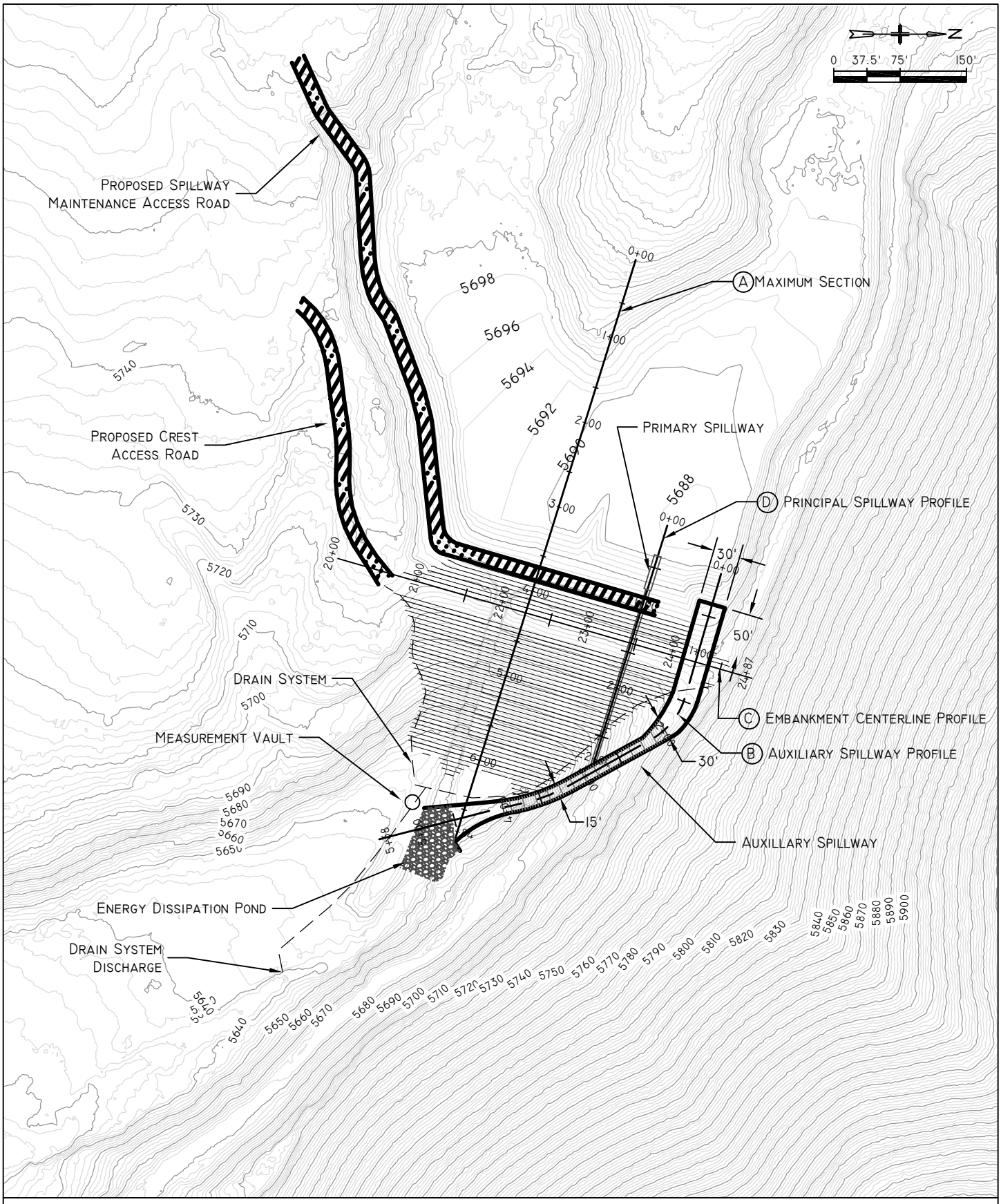
Dam Rehabilitation Layout



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Utaba Dam Rehabilitation Layout

O:\23074 Weber Co Utaba Dam Rehabilitation\DWGs\Topo Figs.dwg

Dam Rehabilitation Section

A MAXIMUM SECTION

0 20' 40' 80'

HORIZONTAL SCALE

0 10' 20' 40'

VERTICAL SCALE

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Dam Rehabilitation Section

O:\23074 Weber Co Utaba Dam Rehabilitation\DWGs\Topo Figs.dwg

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Embankment Crest Profile

C PROPOSED EMBANKMENT CENTERLINE PROFILE

0 15' 30' 60'
HORIZONTAL SCALE

0 7.5' 15' 30'
VERTICAL SCALE

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Embankment Crest Profile

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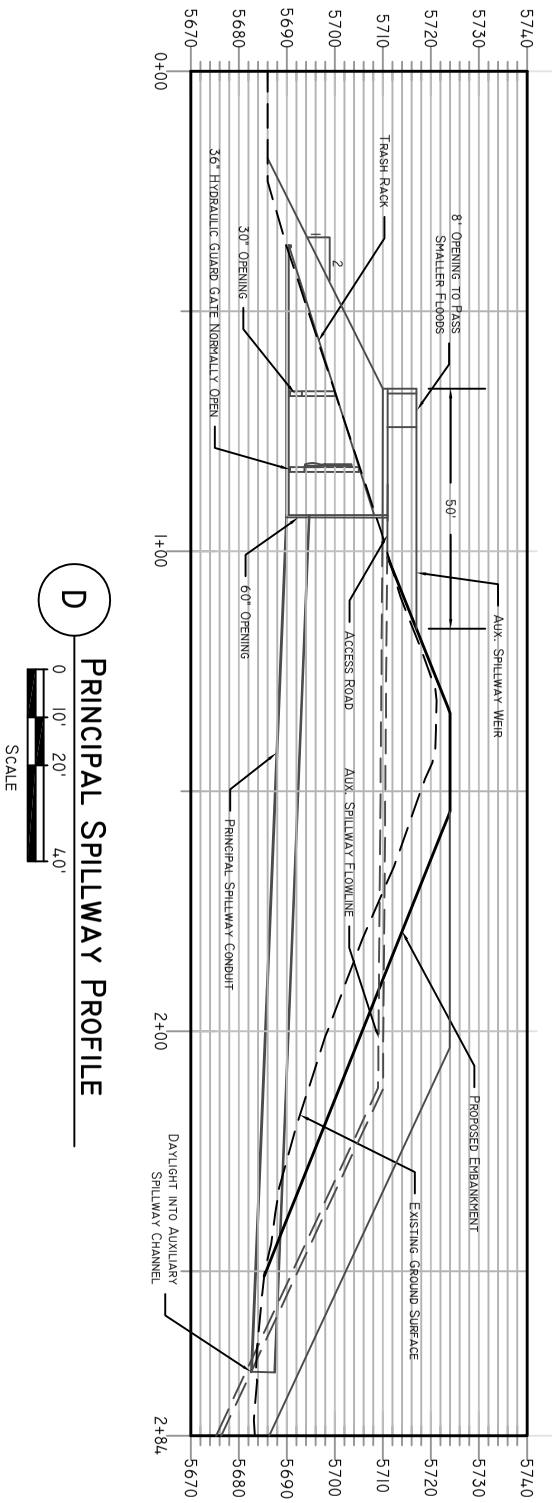
Principal Spillway Profile



D

PRINCIPAL SPILLWAY PROFILE

SCALE 0 10' 20' 40'

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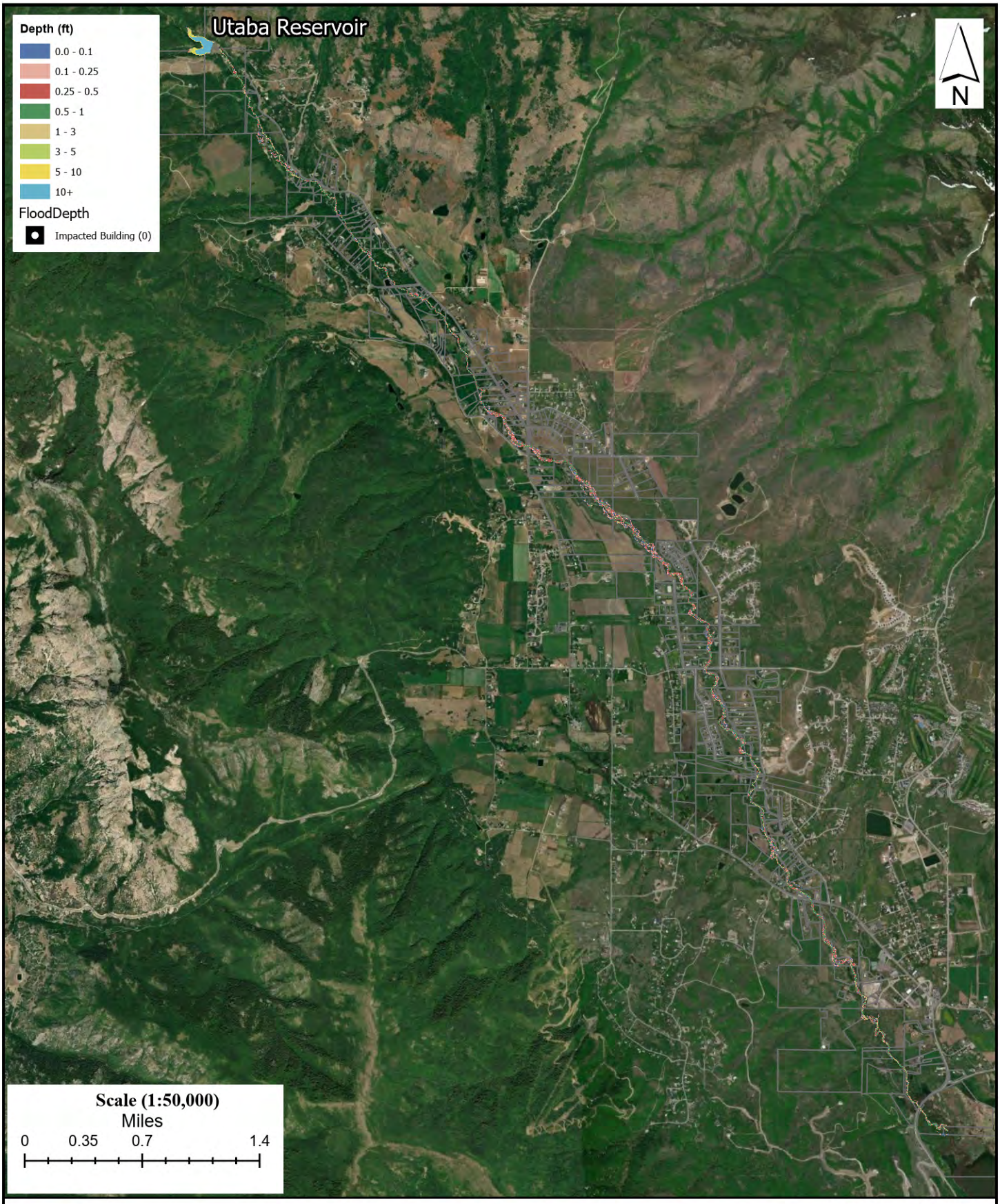
Principal Spillway Profile

O:\23074 Weber Co Utaba Dam Rehabilitation\DWGs\Topo Figs.dwg

Structural Rehabilitation Alternative Flood Inundation Maps

- **2-Year Event**
- **5-Year Event**
- **10-Year Event**
- **25-Year Event**
- **50-Year Event**
- **200-Year Event**
- **500-Year Event**



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Structural Alternative Flood Inundation Area: 2-Year Storm, Max Impact

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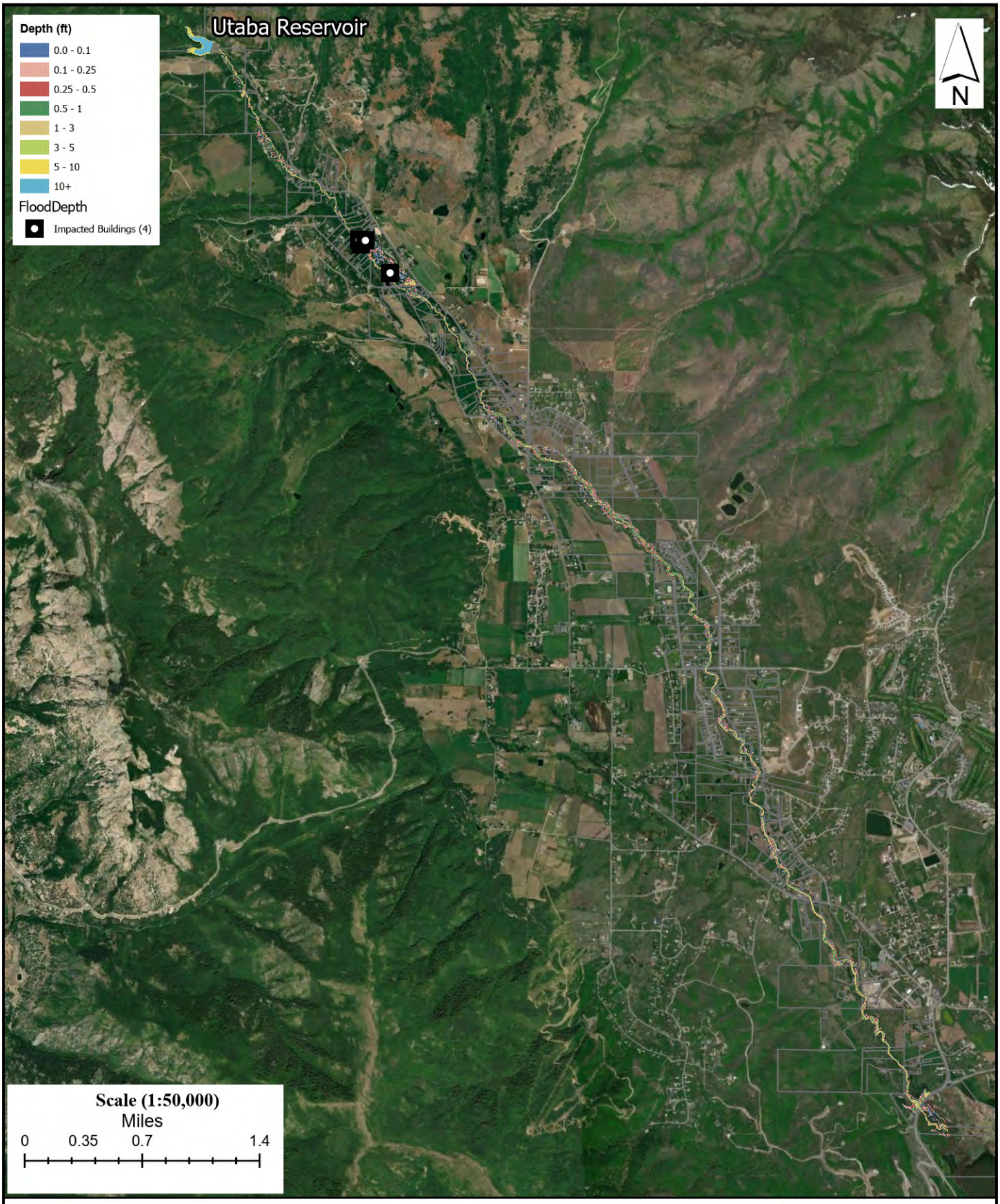
O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Preferred Alternative Disturbance Area.aprx



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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Structural Alternative Flood Inundation Area: 5-Year Storm, Max Impact

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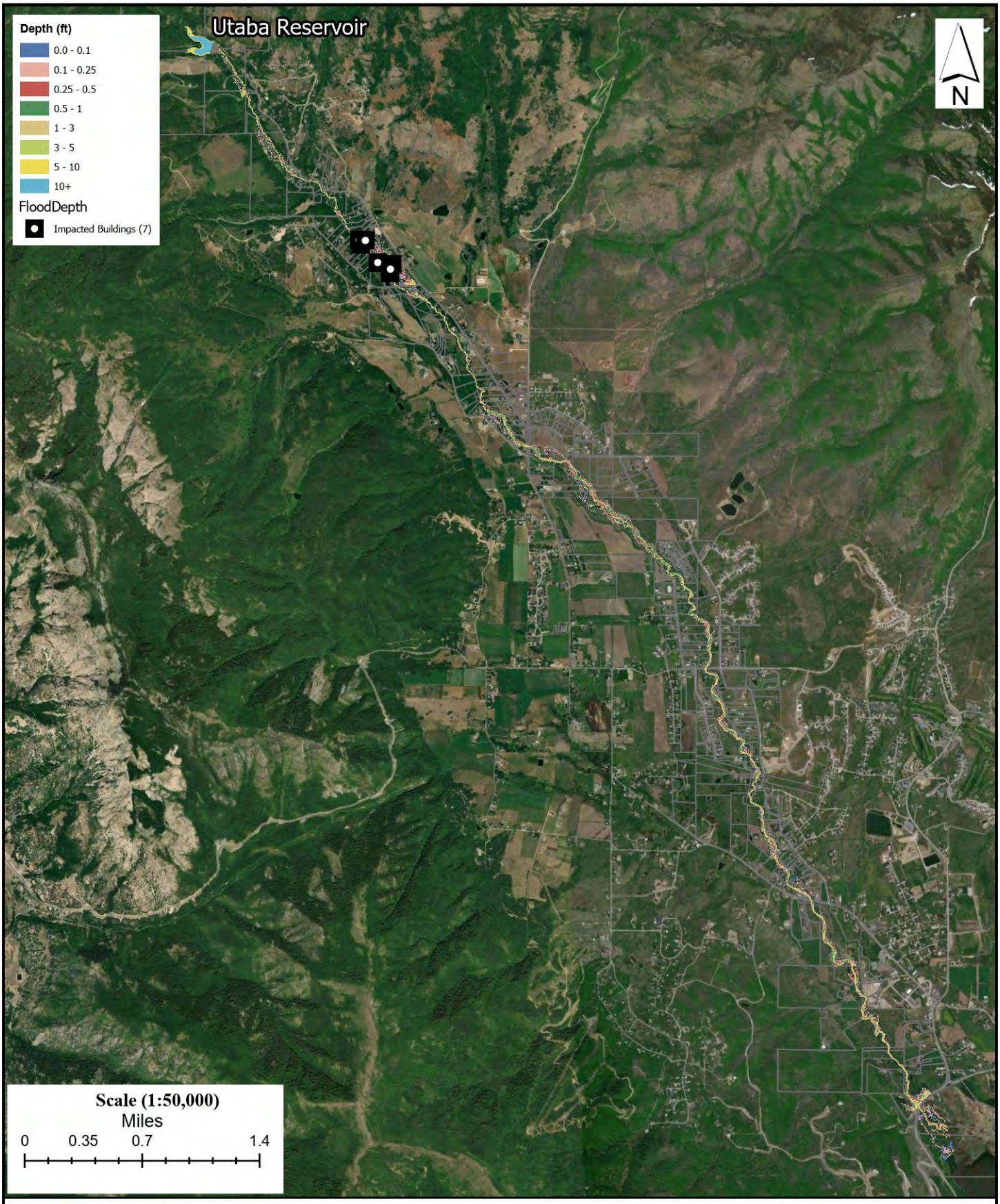

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Structural Alternative Flood Inundation Area: 10-Year Storm, Max Impact

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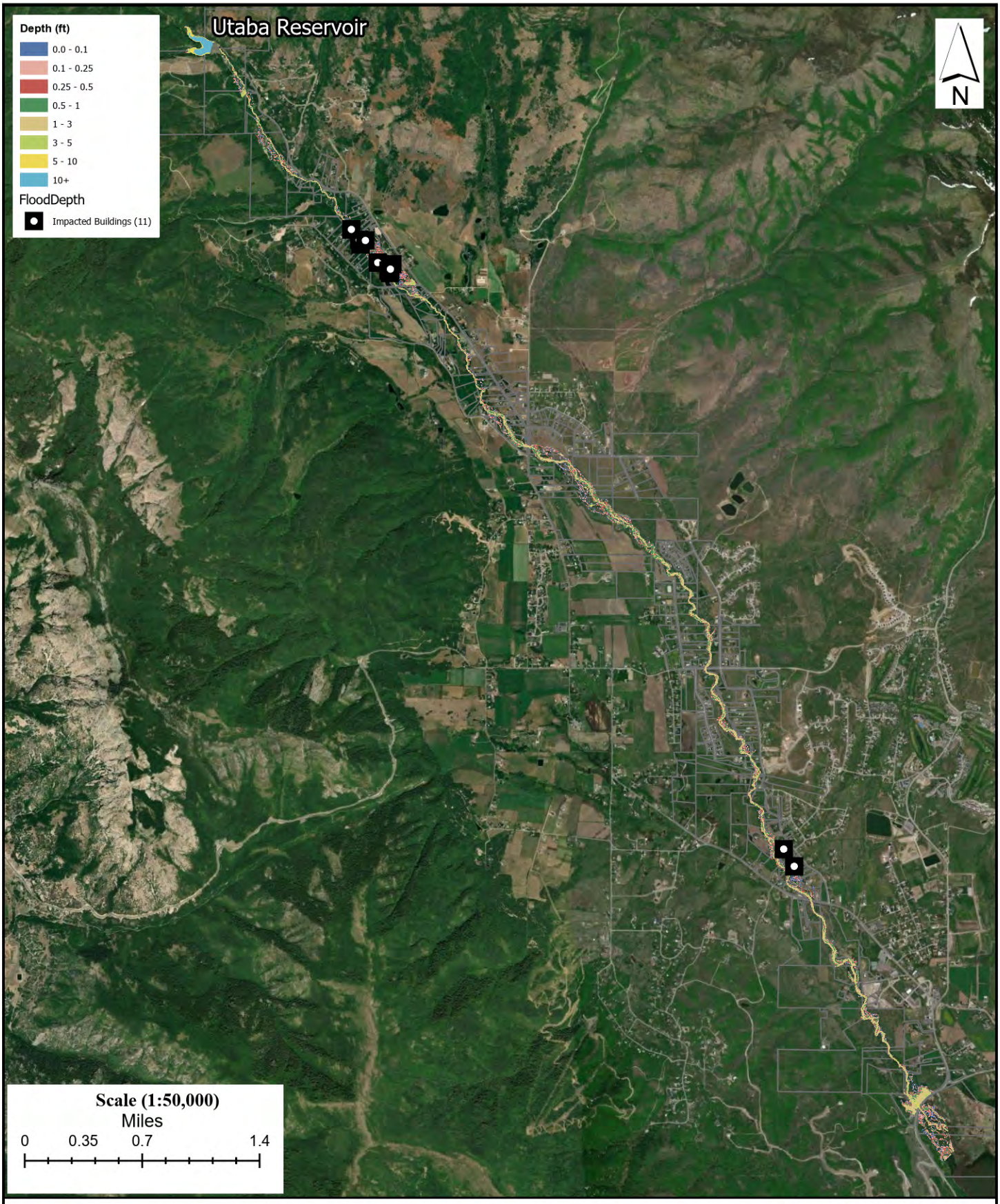

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Structural Alternative Flood Inundation Area: 25-Year Storm, Max Impact

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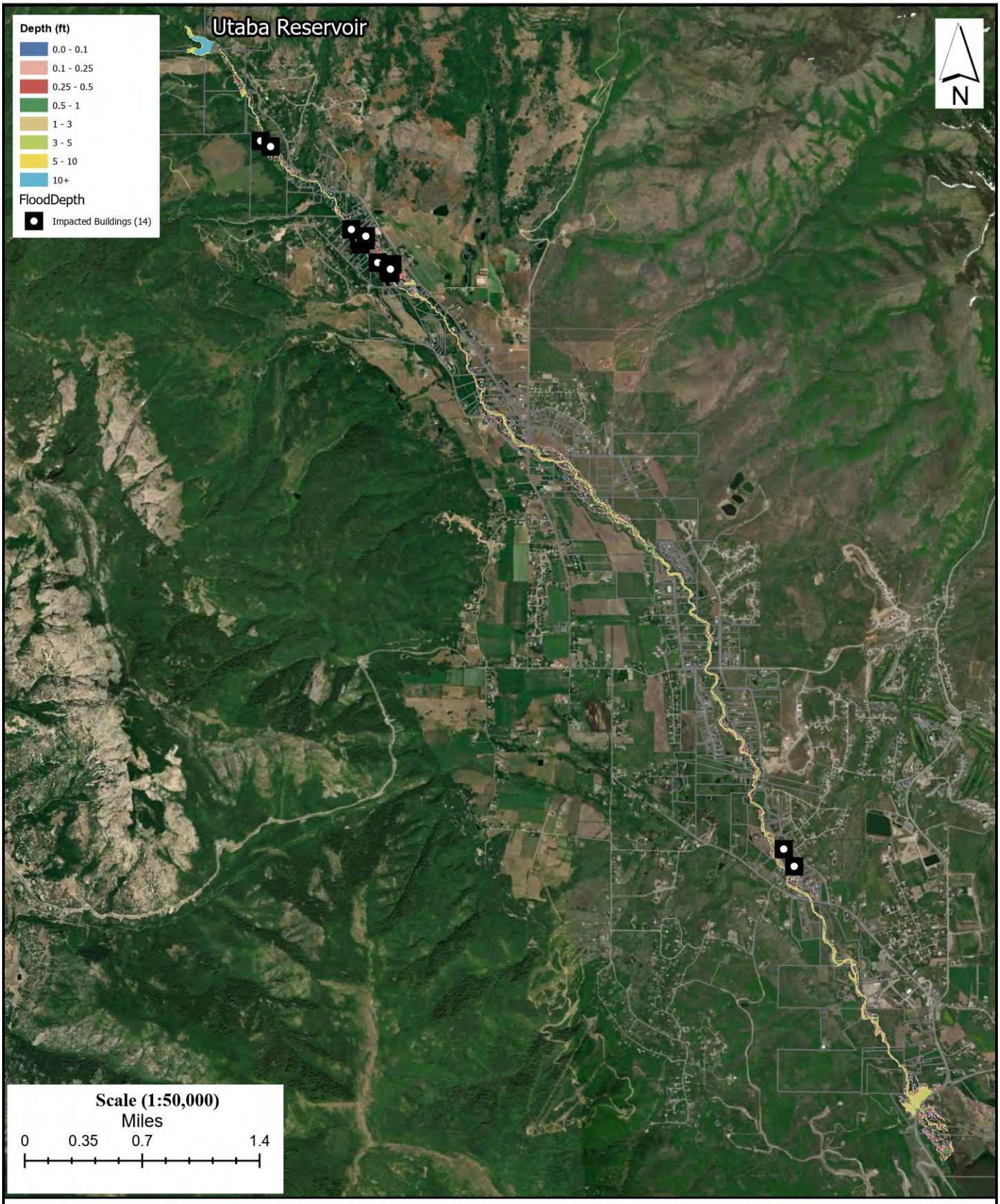

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Structural Alternative Flood Inundation Area: 50-Year Storm, Max Impact

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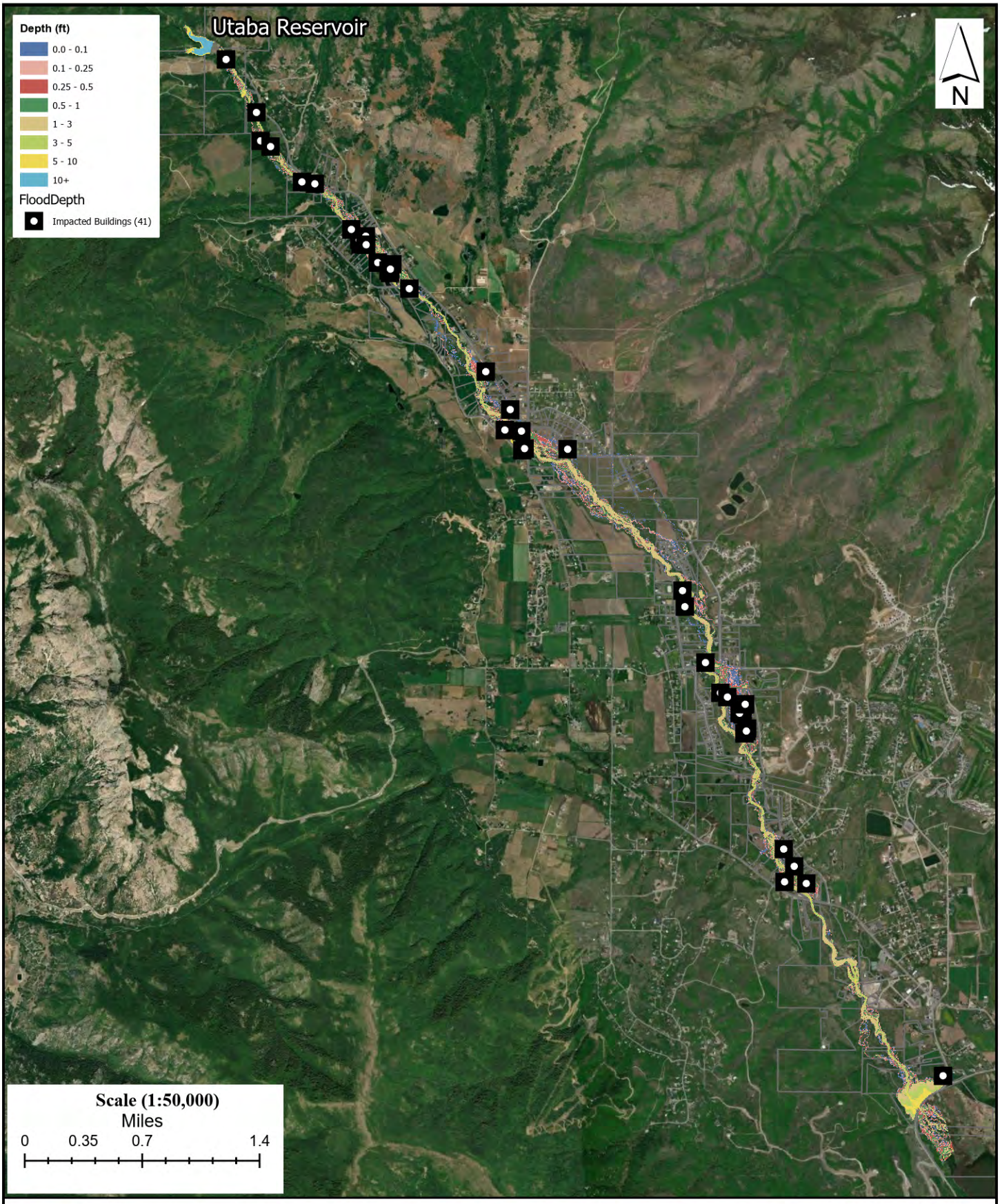

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Structural Alternative Flood Inundation Area: 200-Year Storm, Max Impact

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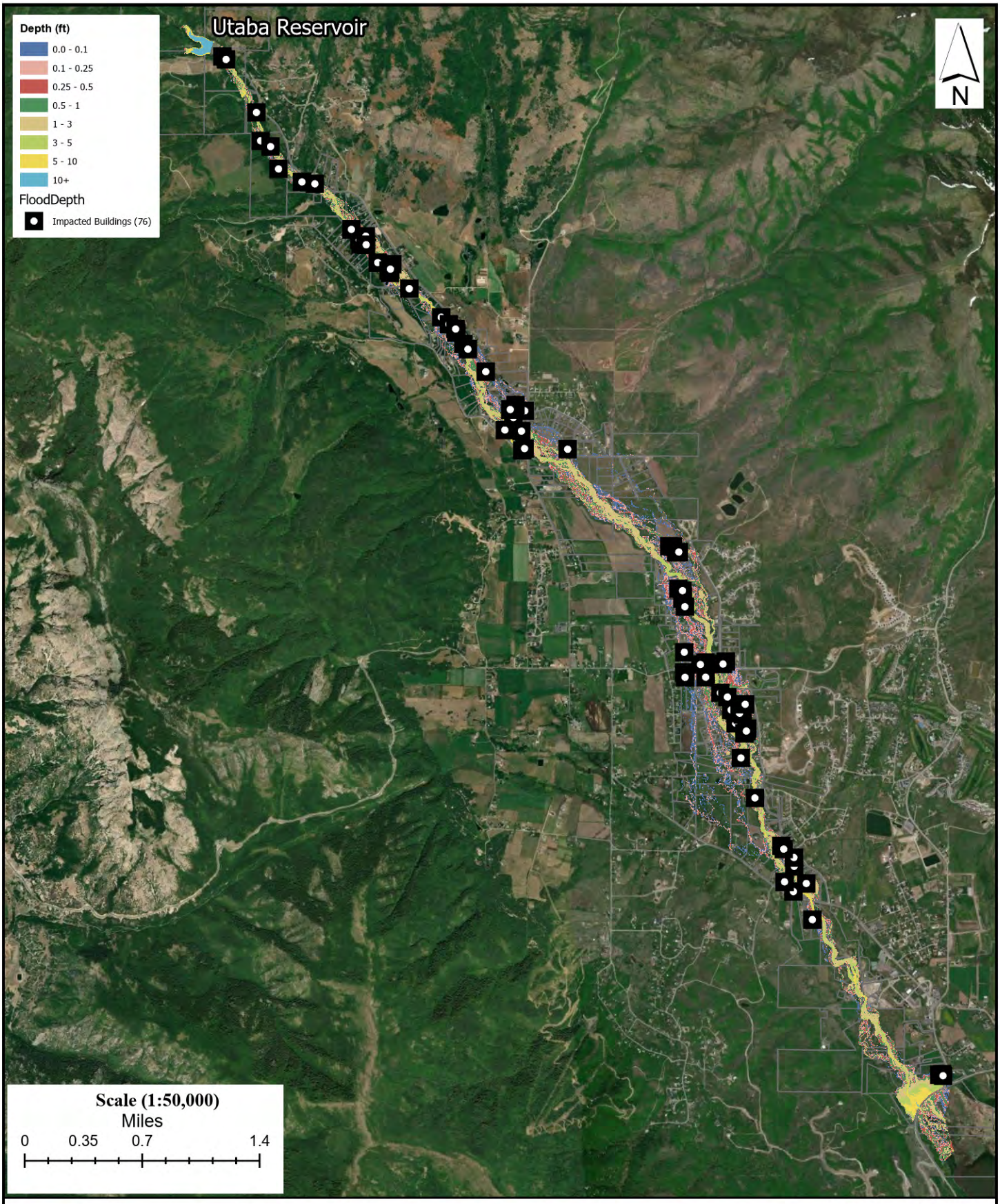

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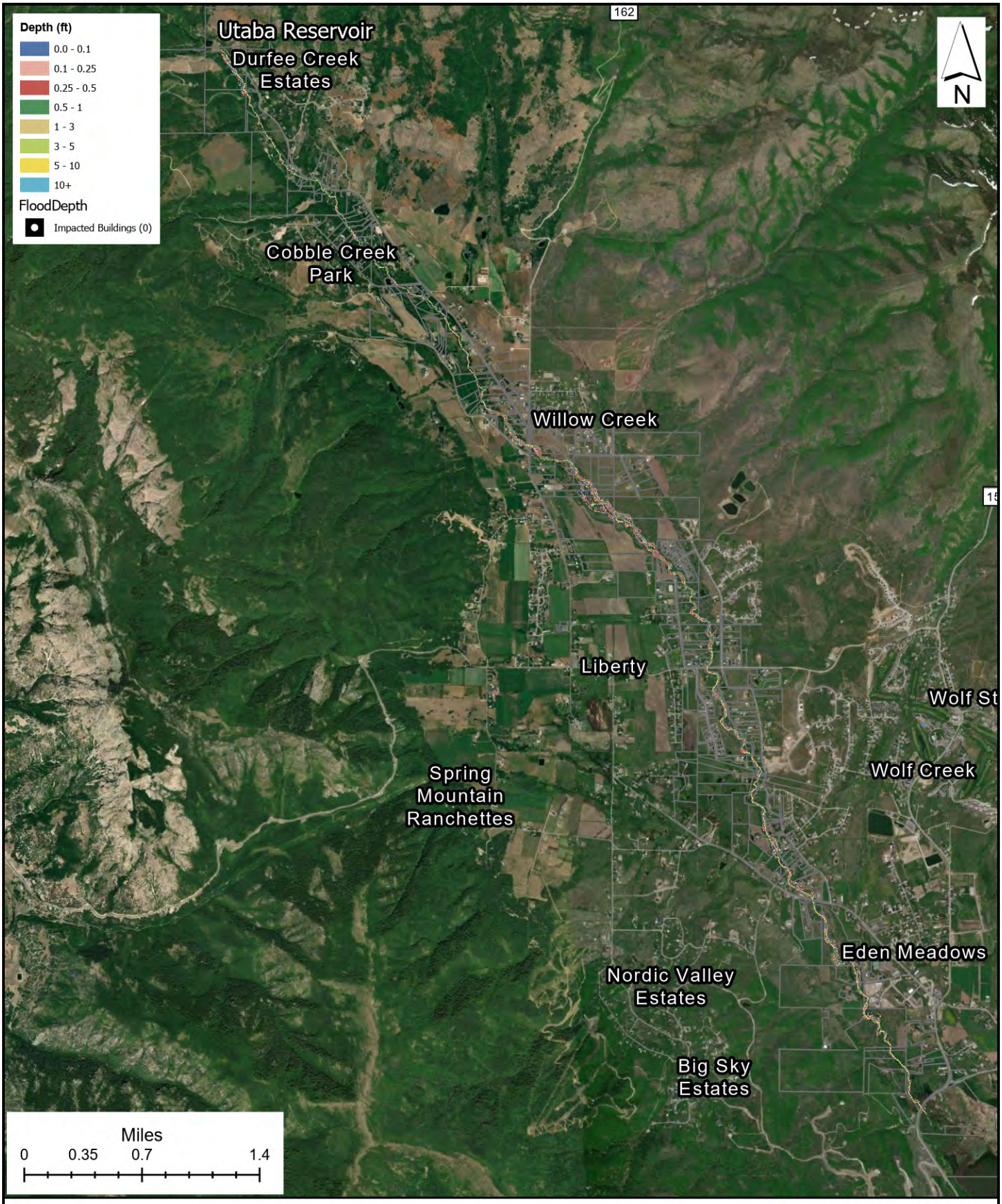
Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Structural Alternative Flood Inundation Area: 500-Year Storm, Max Impact

O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Preferred Alternative Disturbance Area.aprx

Decommissioning Alternative Flood Inundation Maps

- **2-Year Event**
- **5-Year Event**
- **10-Year Event**
- **25-Year Event**
- **50-Year Event**
- **200-Year Event**
- **500-Year Event**



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Decommissioning Flood Inundation Area: 2-Year Storm, Max Impact

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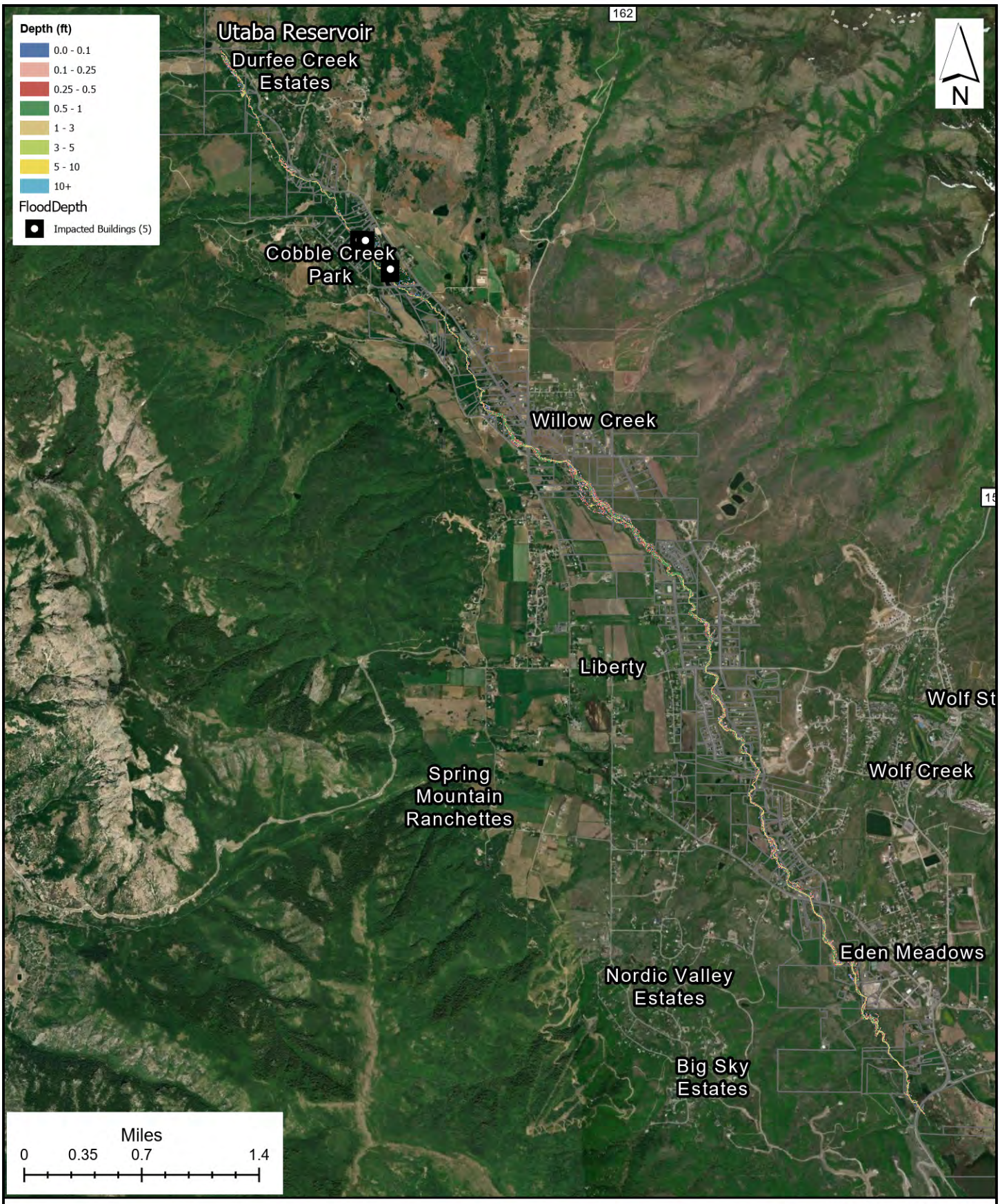

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 5-Year Storm, Max Impact

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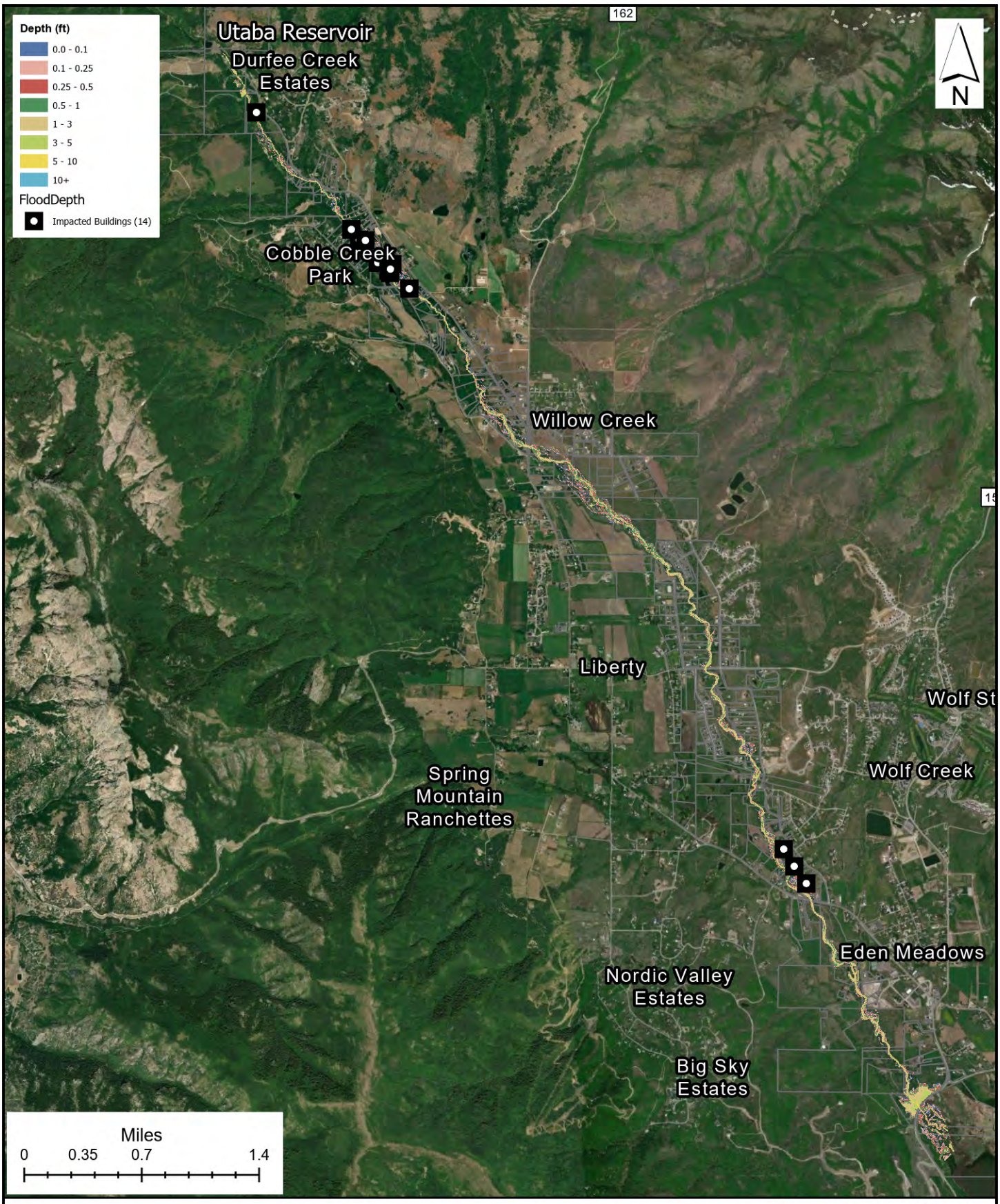

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 10-Year Storm, Max Impact

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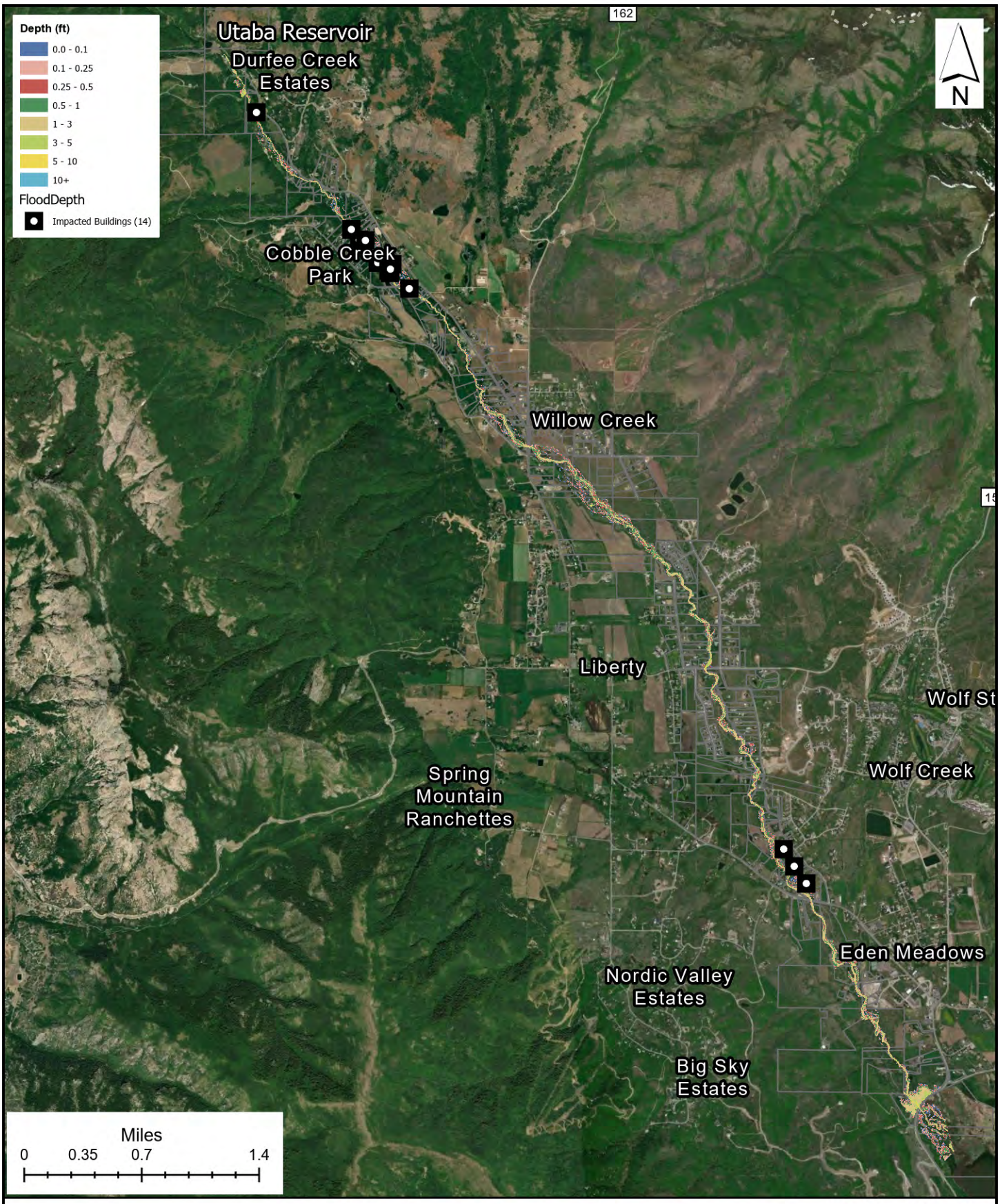
O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Dam Removal Disturbance Area.aprx



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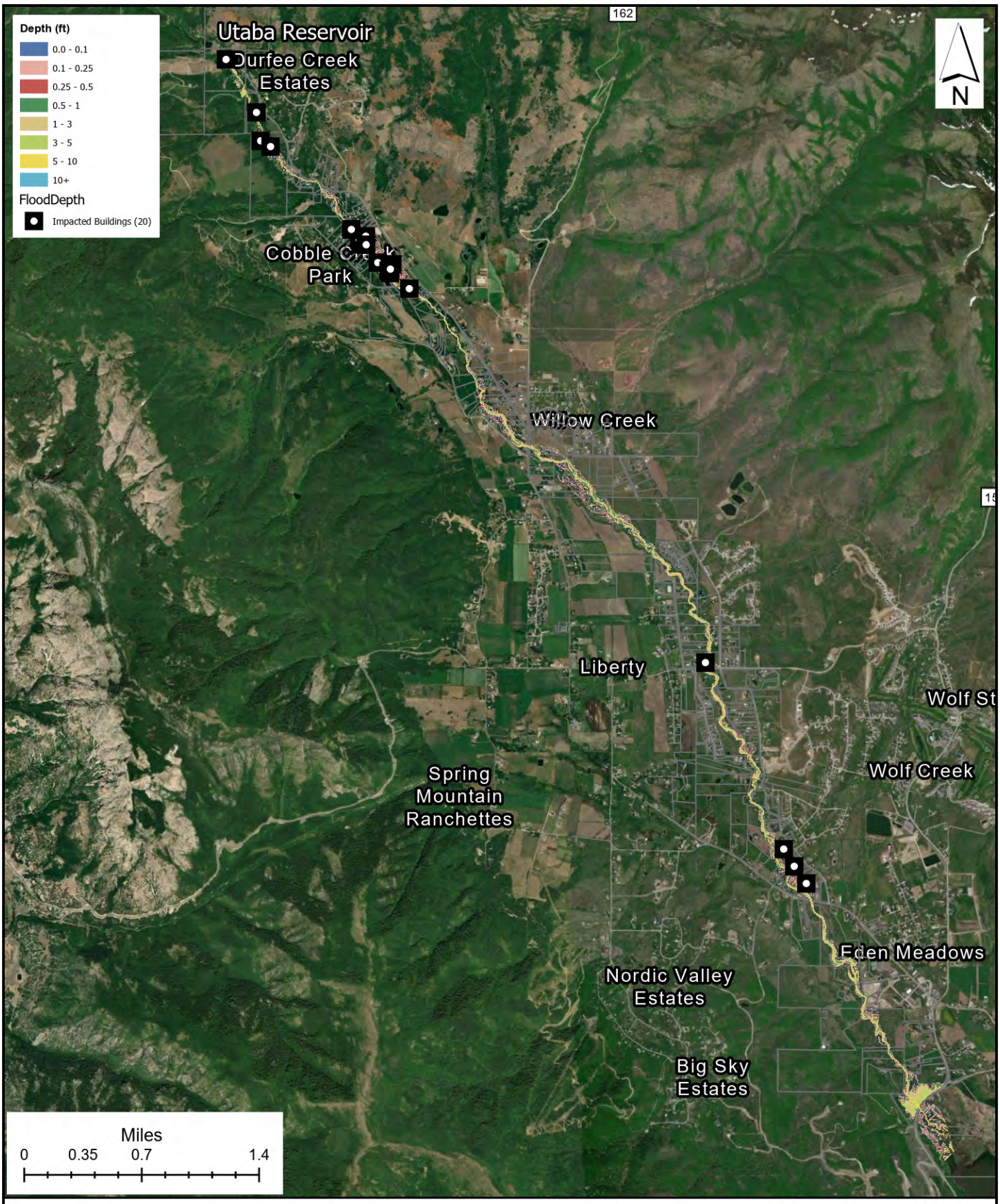
Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 25-Year Storm, Max Impact

O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Dam Removal Disturbance Area.aprx



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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 50-Year Storm, Max Impact

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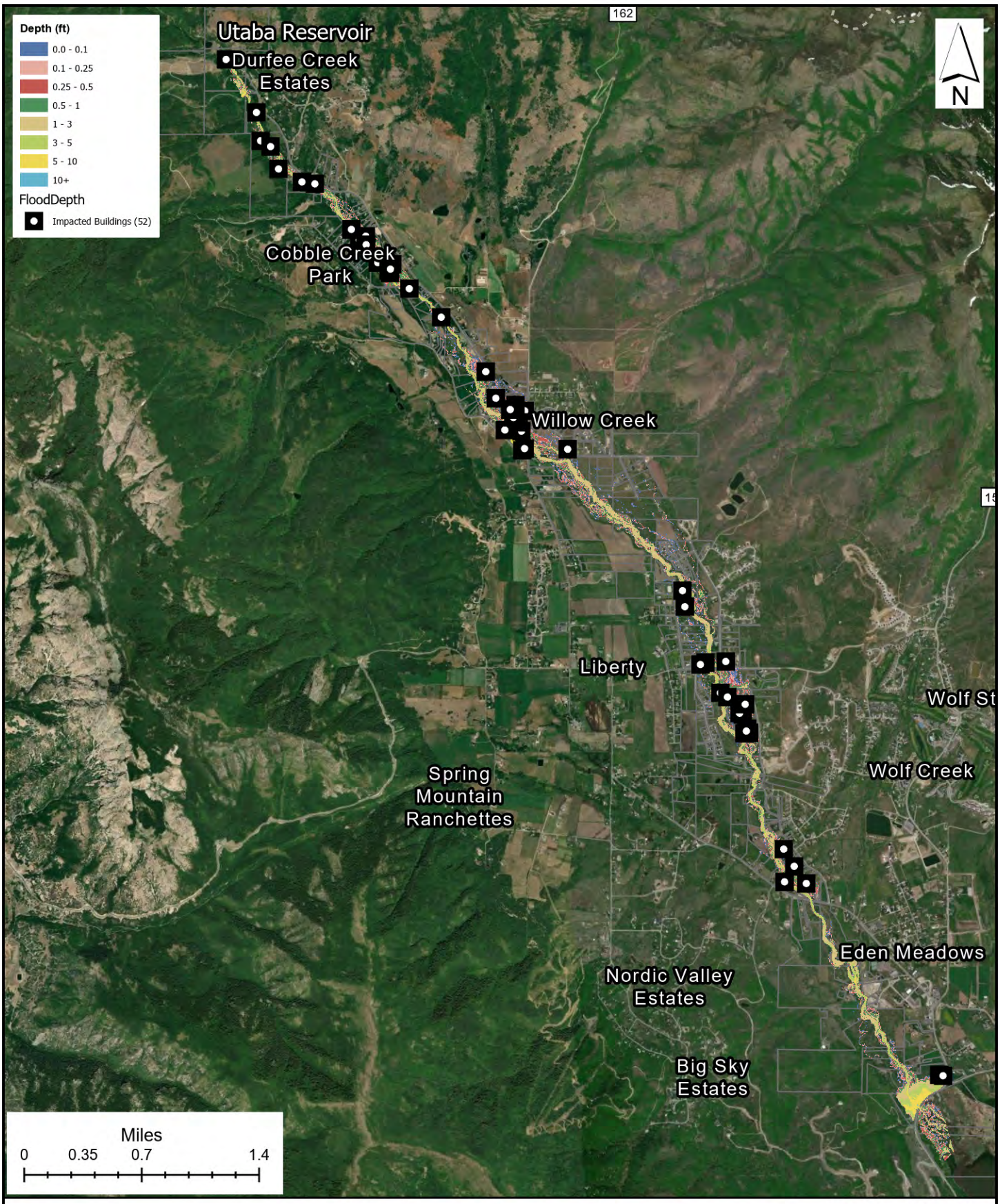

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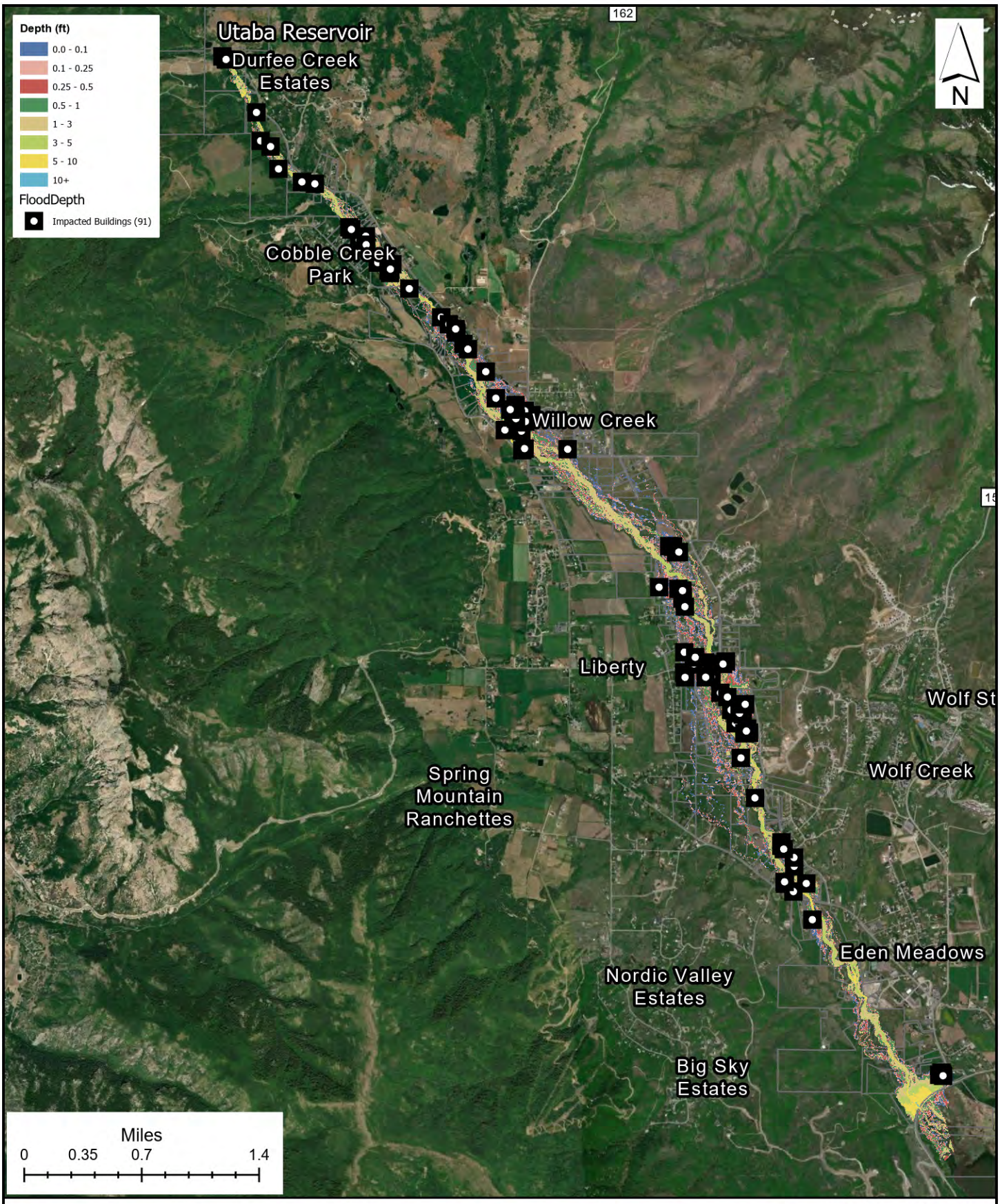
Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 200-Year Storm, Max Impact

O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Dam Removal Disturbance Area.aprx



Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Decommissioning Flood Inundation Area: 500-Year Storm, Max Impact

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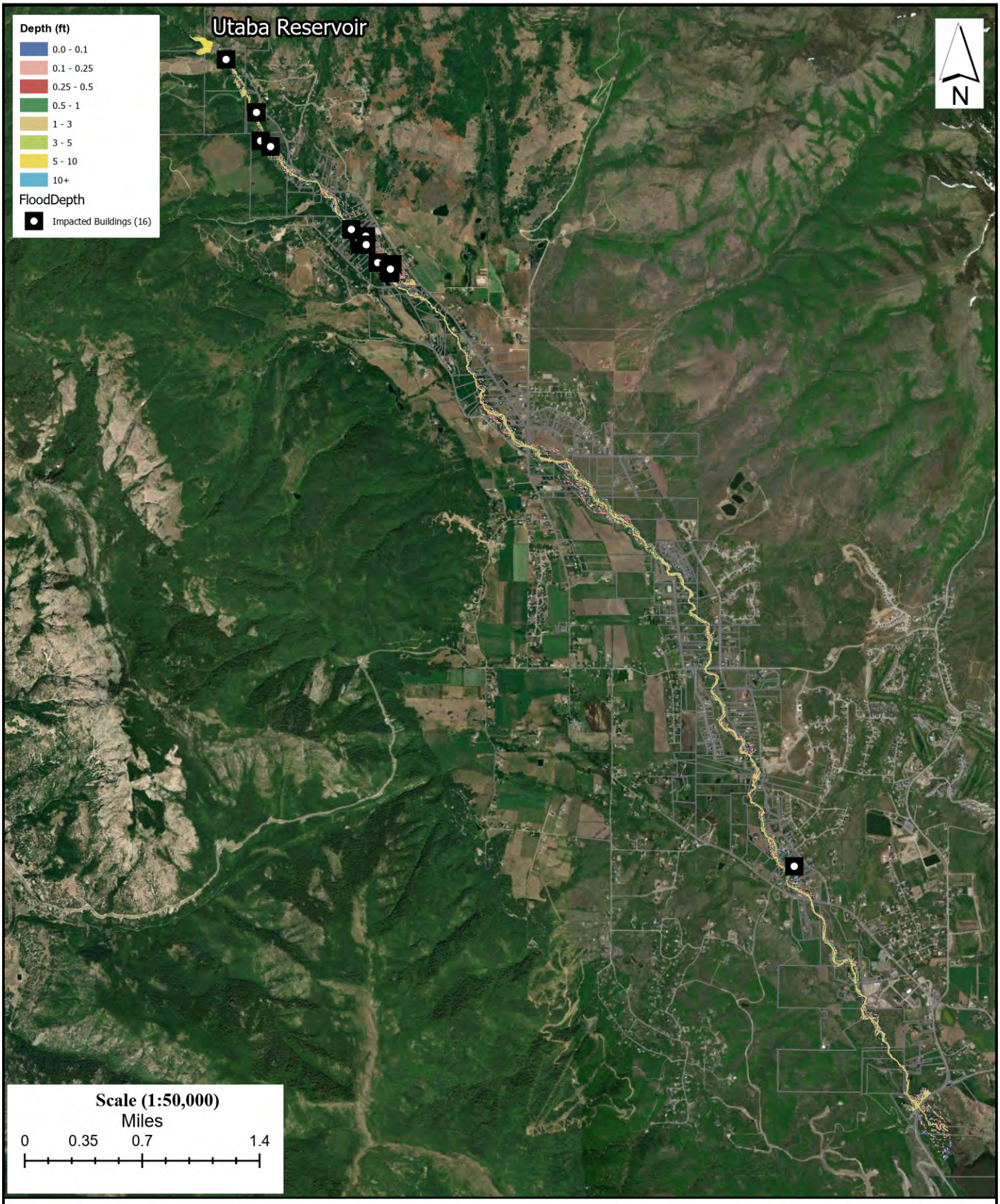
O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Dam Removal Disturbance Area.aprx

Existing Conditions Flood Inundation Maps

- **2-Year Event**
- **5-Year Event**
- **10-Year Event**
- **25-Year Event**
- **50-Year Event**
- **200-Year Event**
- **500-Year Event**



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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 2-Year Storm, Max Impact

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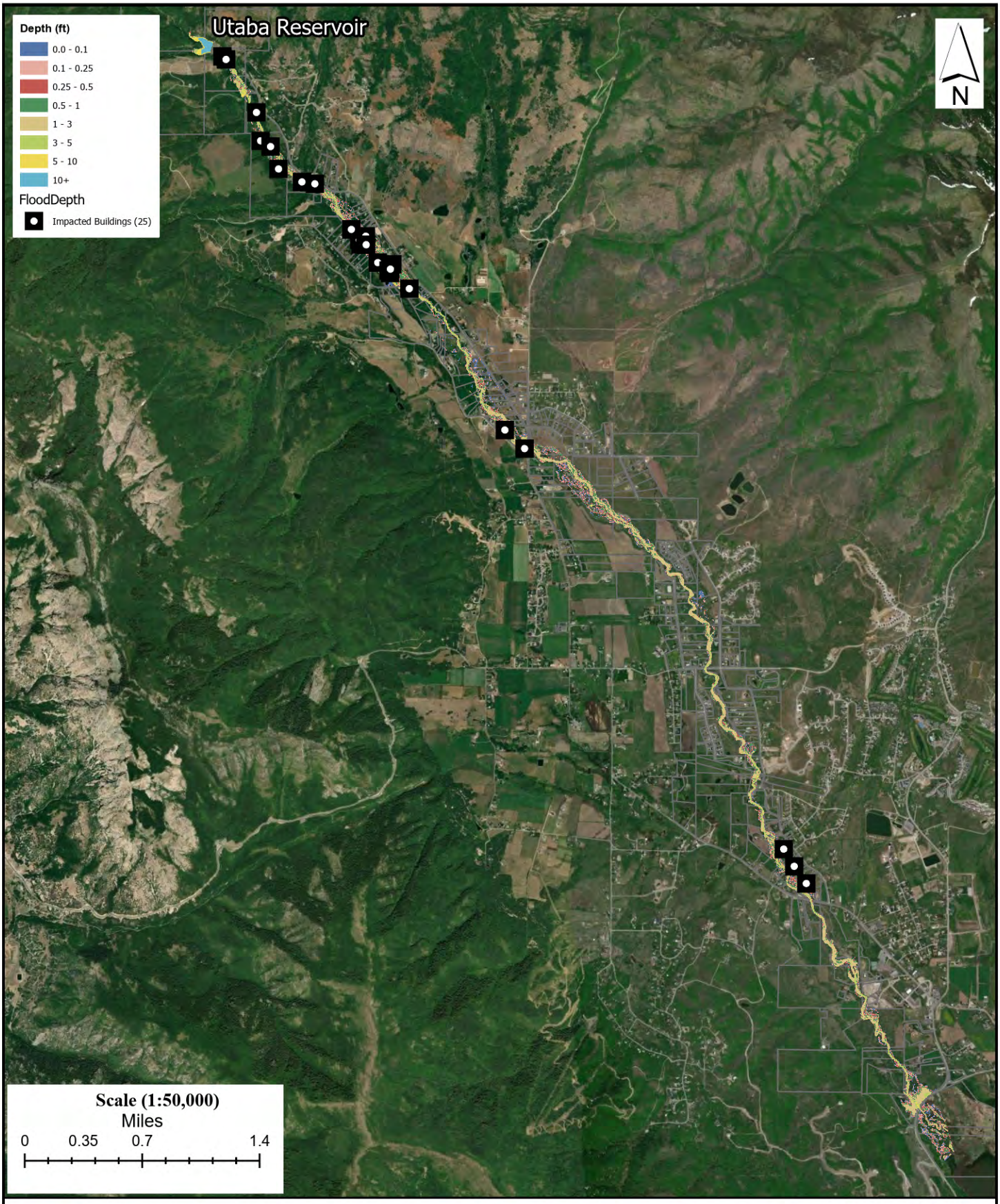

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Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 5-Year Storm, Max Impact

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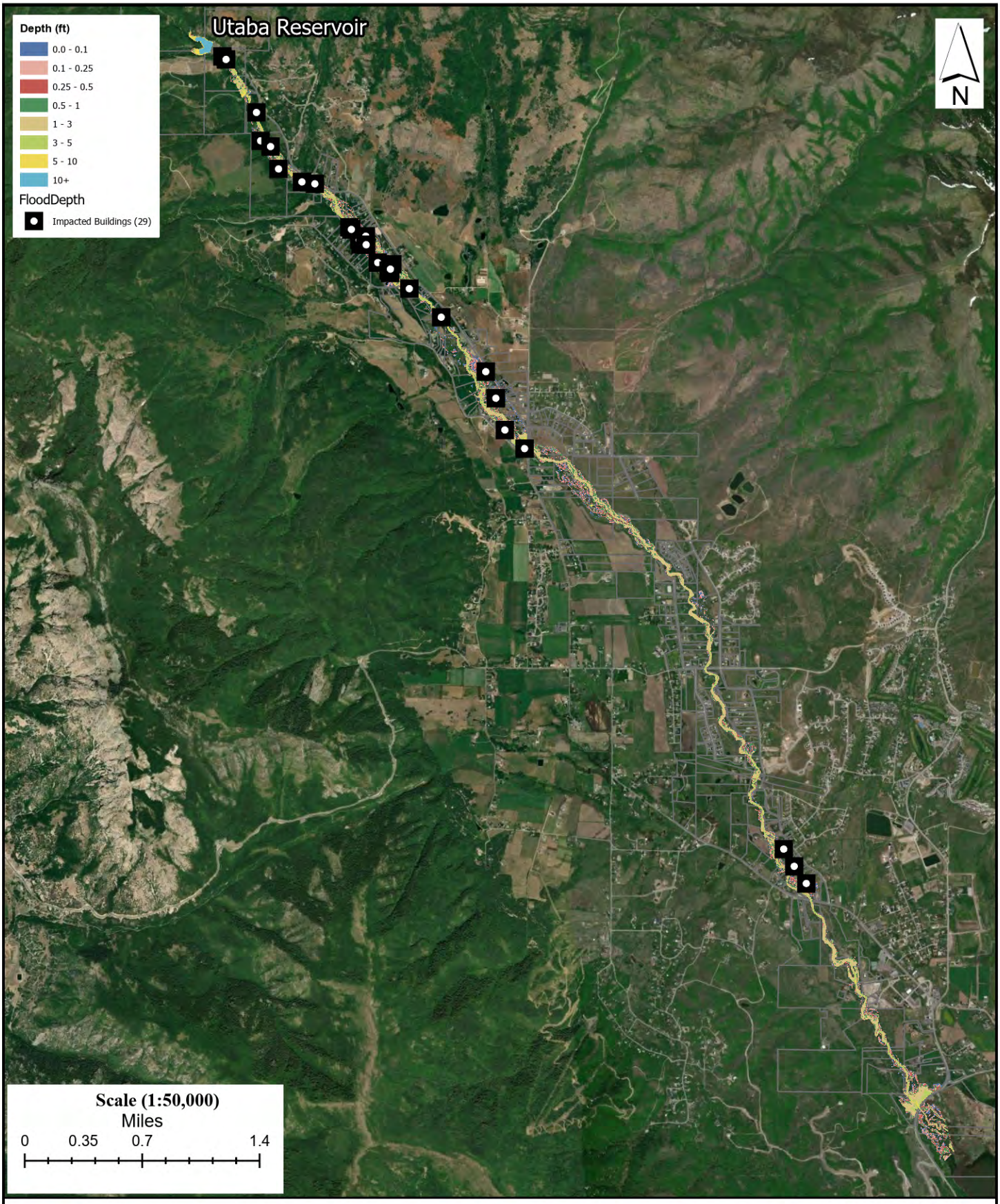

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Existing (Breached) Flood Inundation Area: 10-Year Storm, Max Impact

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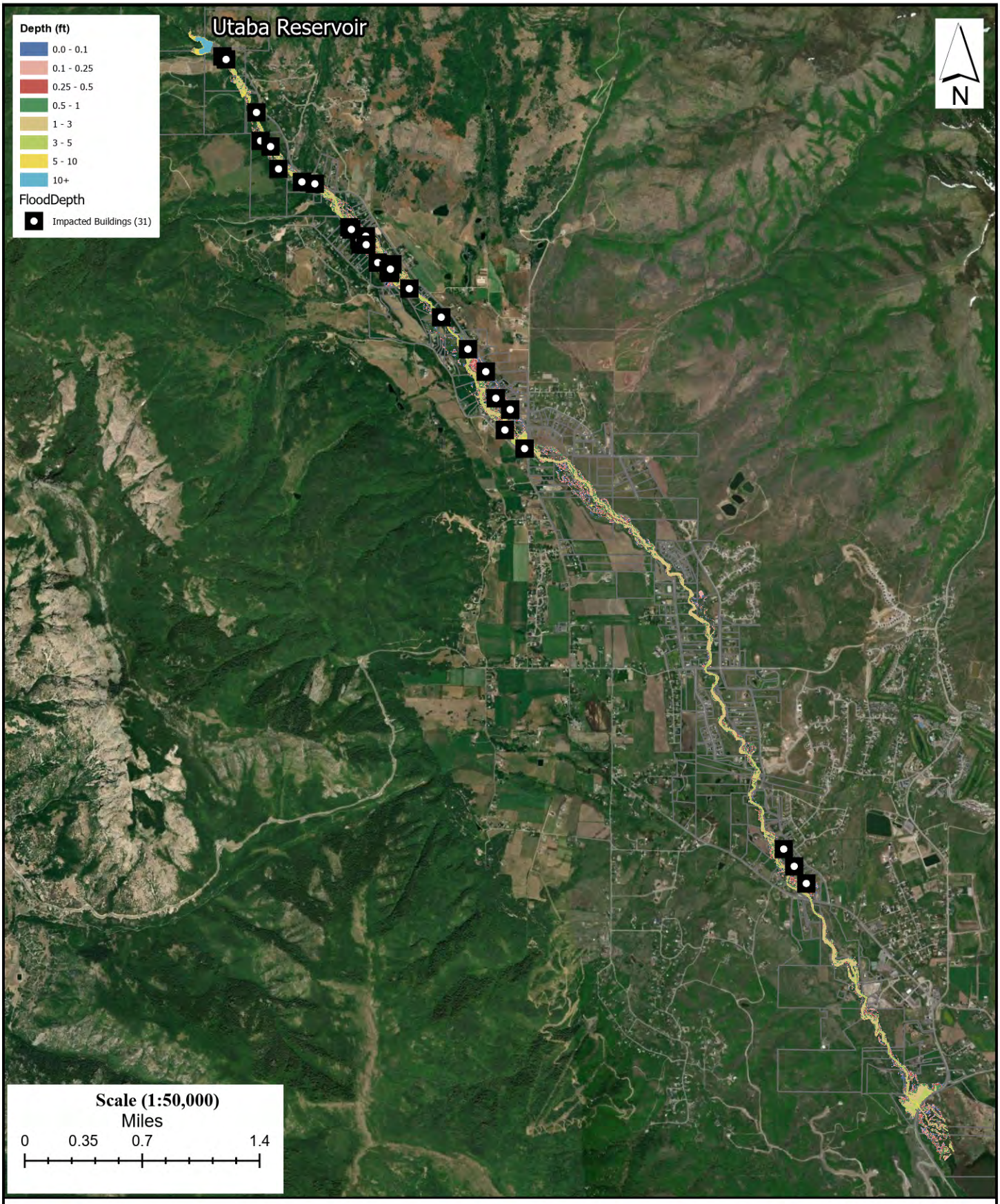

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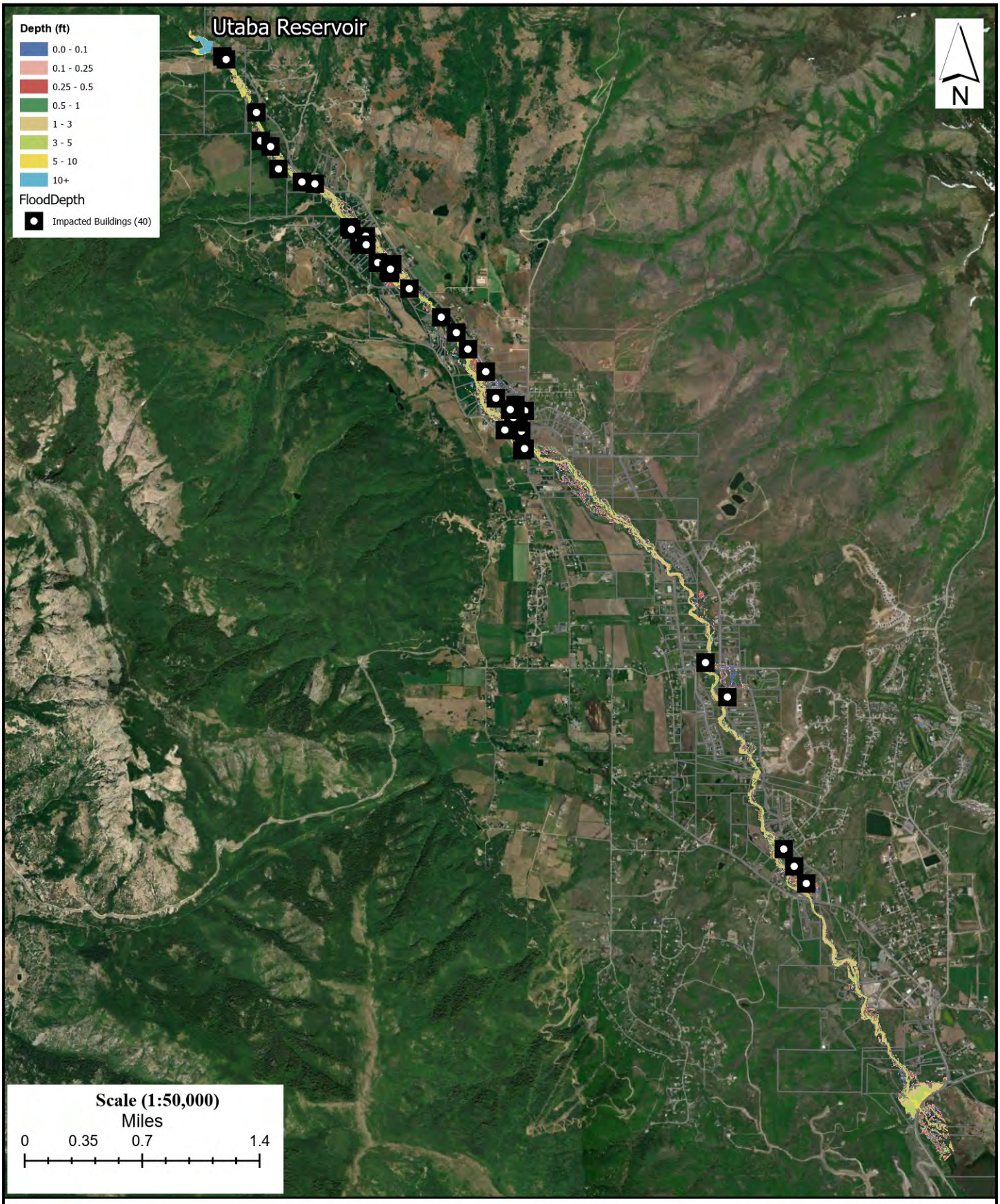
Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 25-Year Storm, Max Impact

O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Disturbance Area.aprx



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Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 50-Year Storm, Max Impact

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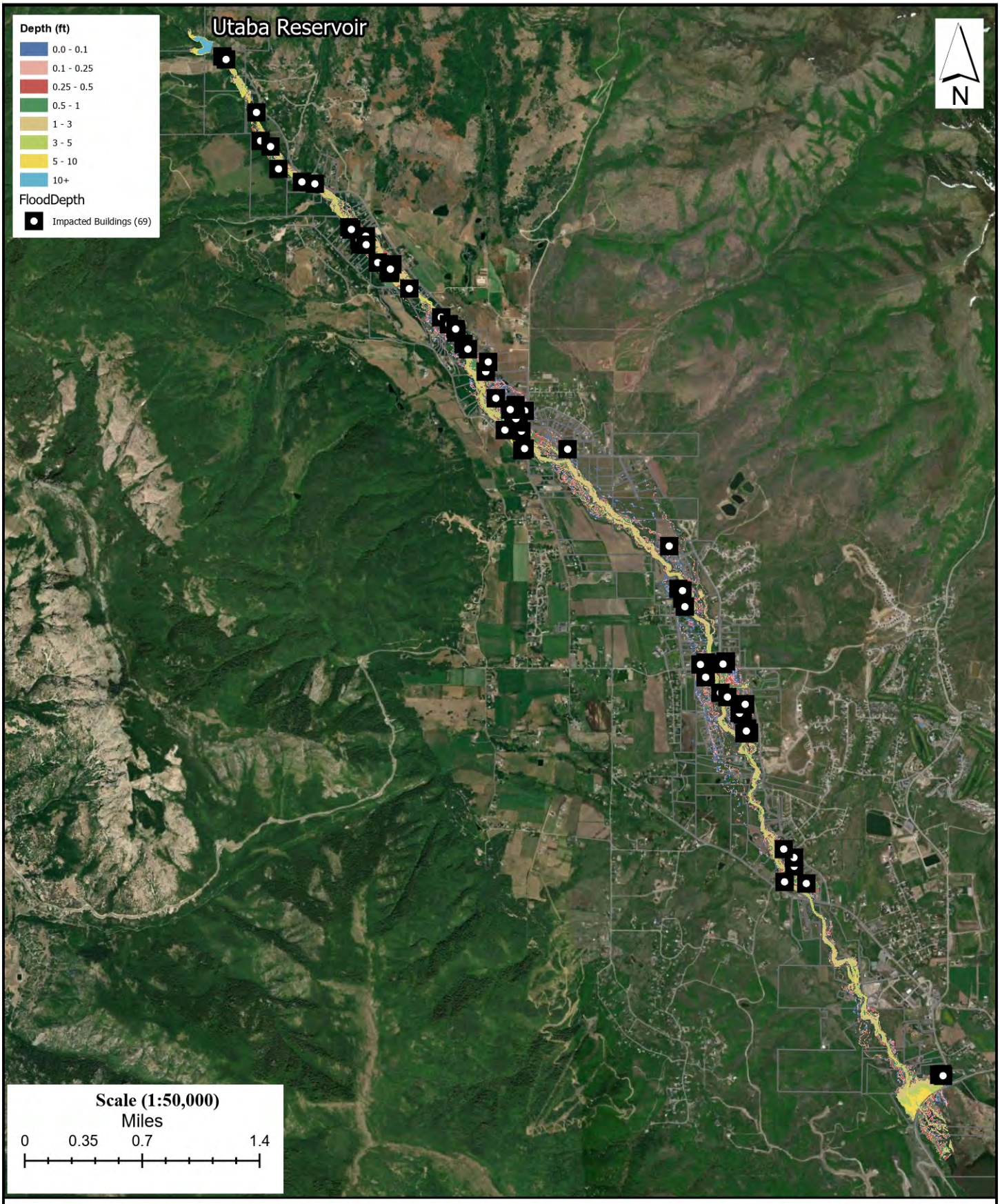

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Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 200-Year Storm, Max Impact

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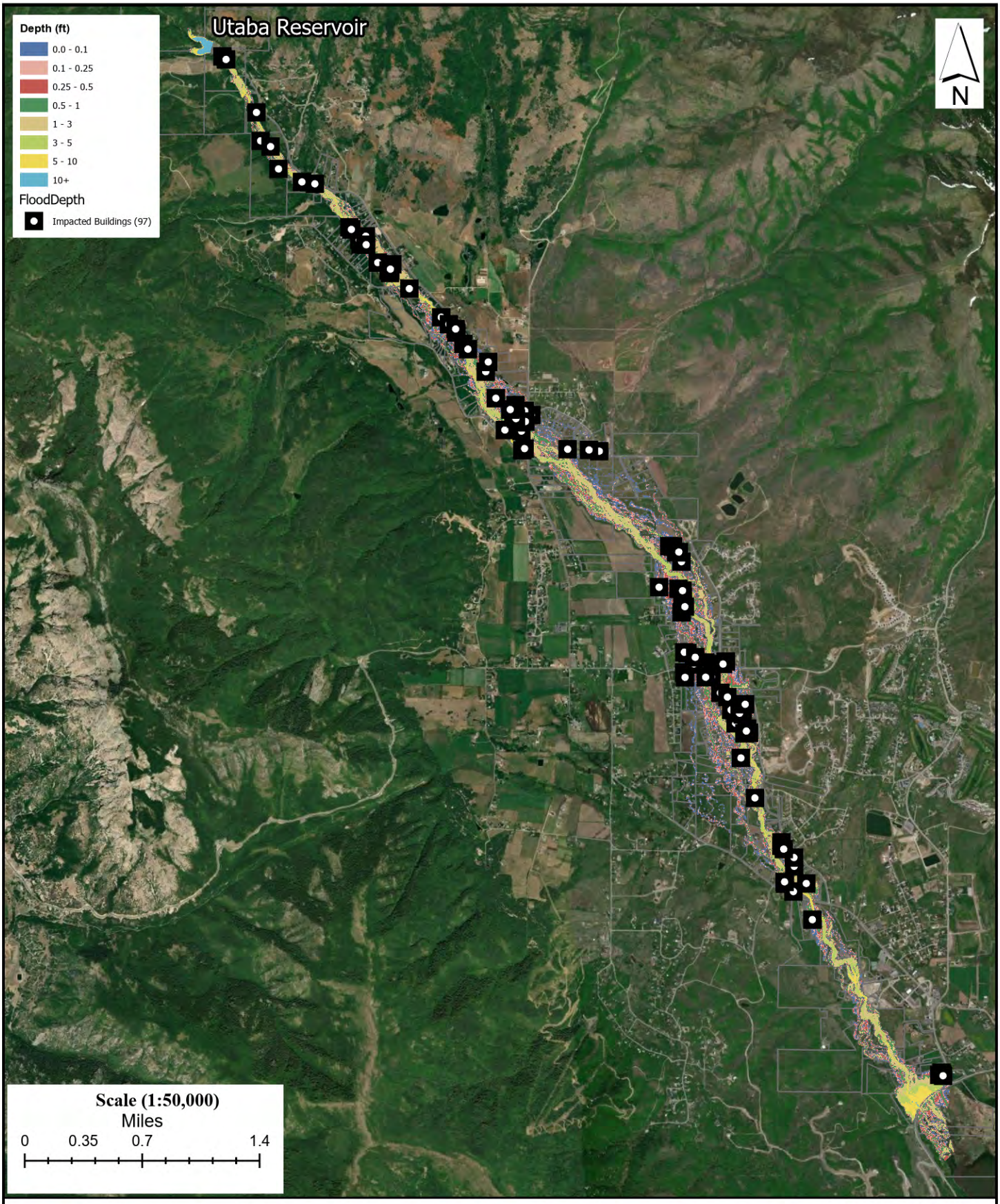

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Weber County

Utaba Retarding Dam Rehabilitation Plan Environmental Assessment

Existing (Breached) Flood Inundation Area: 500-Year Storm, Max Impact

O:\23074 Weber Co Utaba Dam Rehabilitation\ArcMap Figures\Disturbance Area\Disturbance Area.aprx