

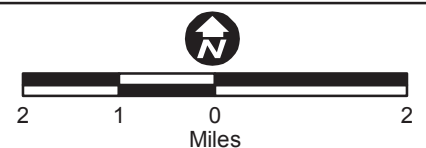
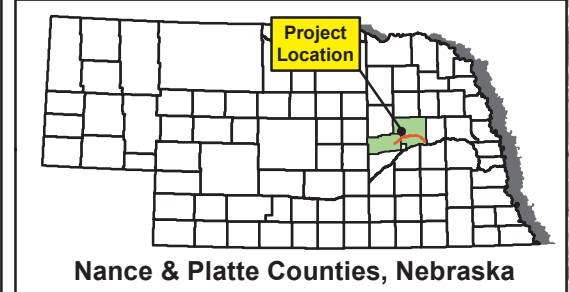
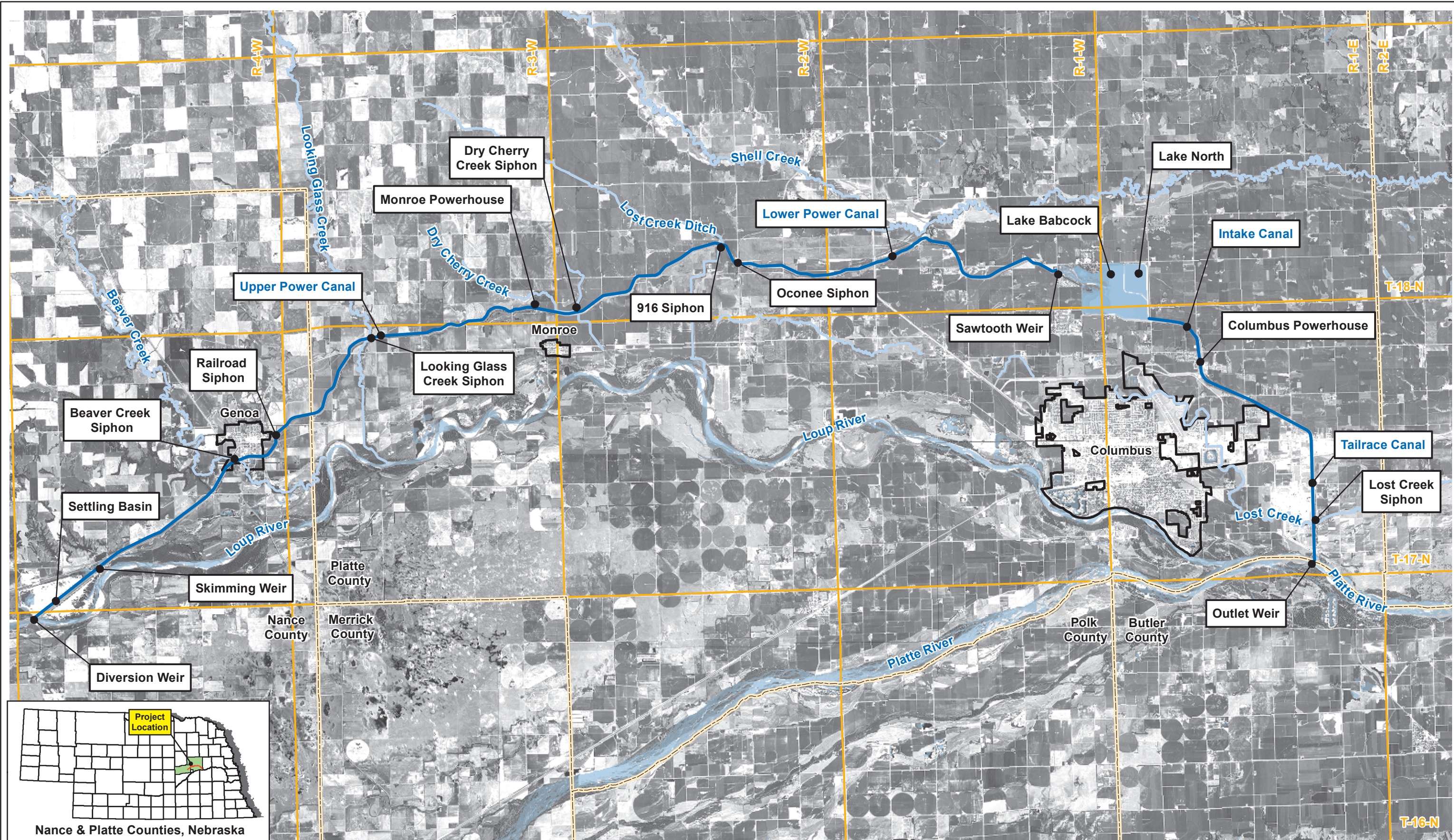
APPENDIX E-1

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EXHIBIT E FIGURES



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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic.  
 Corporate Limits, County Line: 2010 Census Tiger Files  
 Waterway: 2011 National Hydrography Dataset (NHD)  
 Stream Areas/Lakes: 2000 Tiger Line Files, Platte and Nance Counties.

**Legend**

- Loup Power Canal
- Waterway
- Corporate Limits
- Township/Range
- County Line



**Project Location**

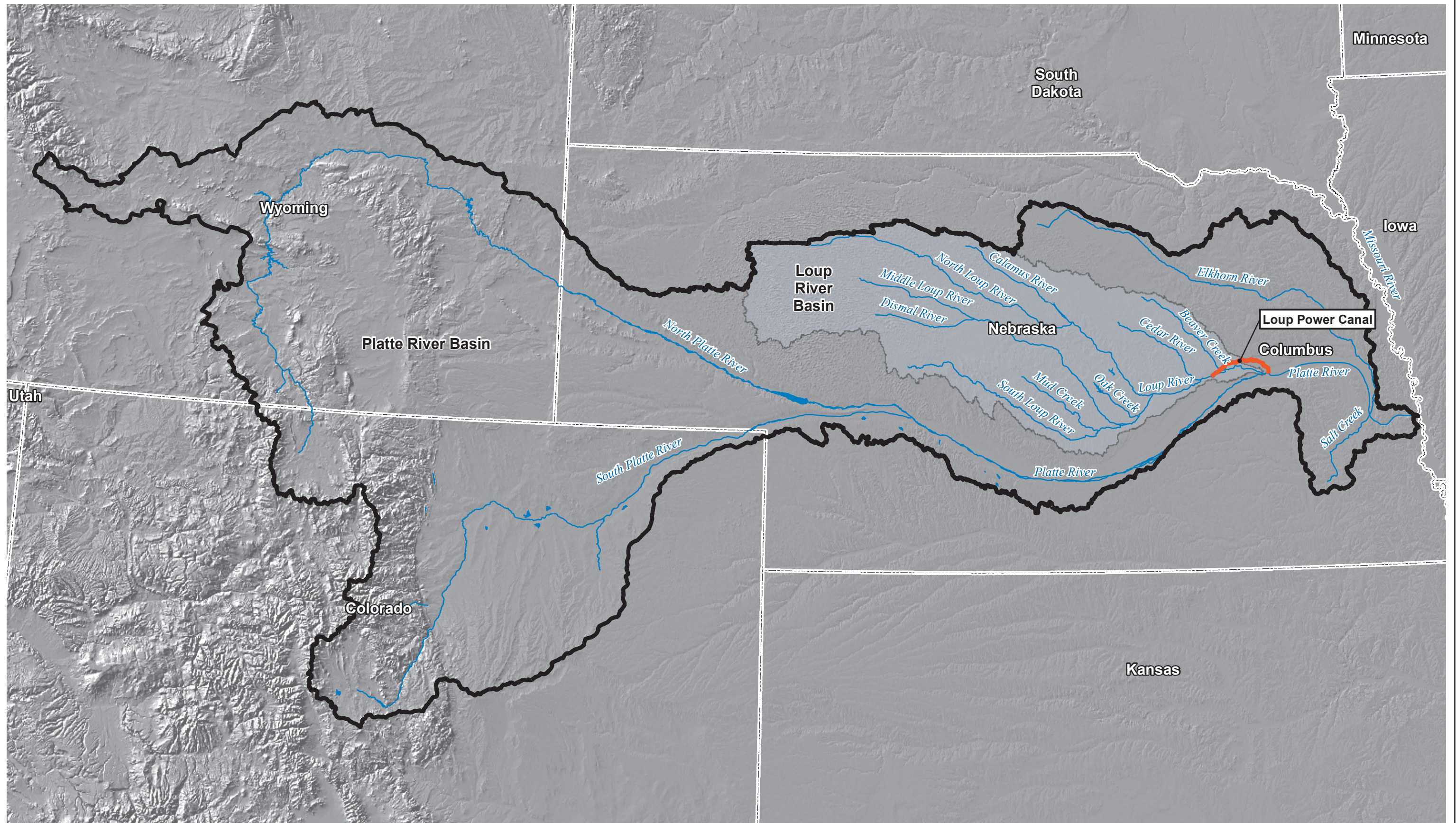
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FIGURE	E-1



Z:\Projects\Loup\_Power\_District\37104\_LPD\_FERC\_Relicensing\map\_docs\mxd\License\_Application\Platte\_and\_Loup\_Basins\_Figure\_E\_2.mxd



Source: Platte River Basin, River, National Hydrography Dataset: U.S. Geological Survey

**Legend**

- Loup Power Canal
- Platte River Basin
- River



**Platte and Loup River Basins**

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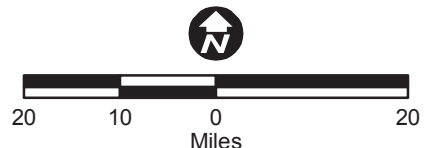
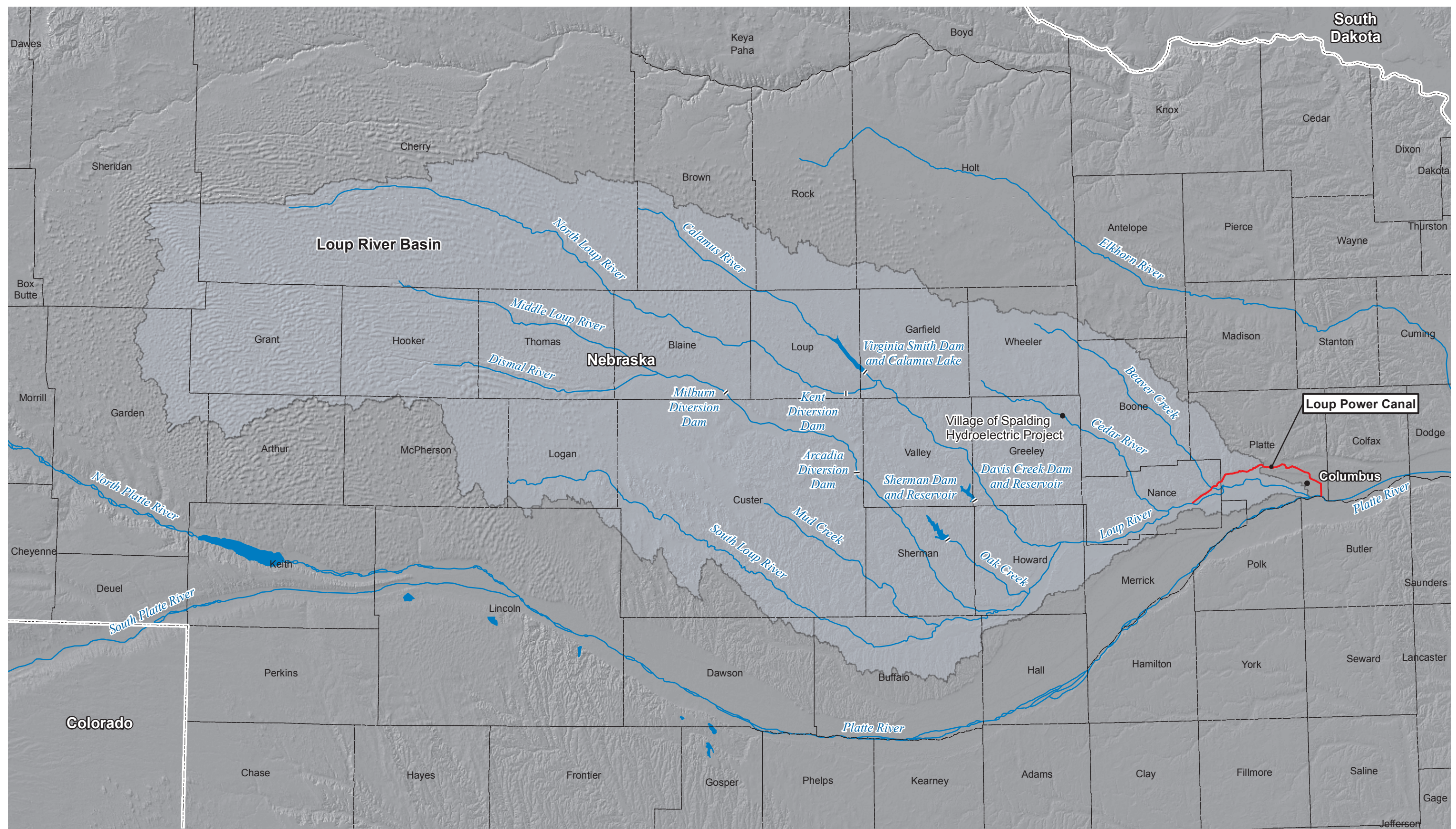
April 2012

FIGURE

E-2



Z:\Projects\Loup\_Power\_District\37104\_LPD\_FERC\_Relicensing\map\_docs\mxd\license\_Application\Loup\_Basin\_Figure\_E\_3.mxd



Sources: Loup River Basin & Rivers - National Hydrography Dataset, U.S. Geological Survey;  
Dams & Reservoirs - Nebraska Department of Natural Resources

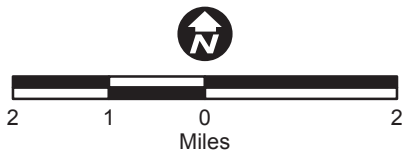
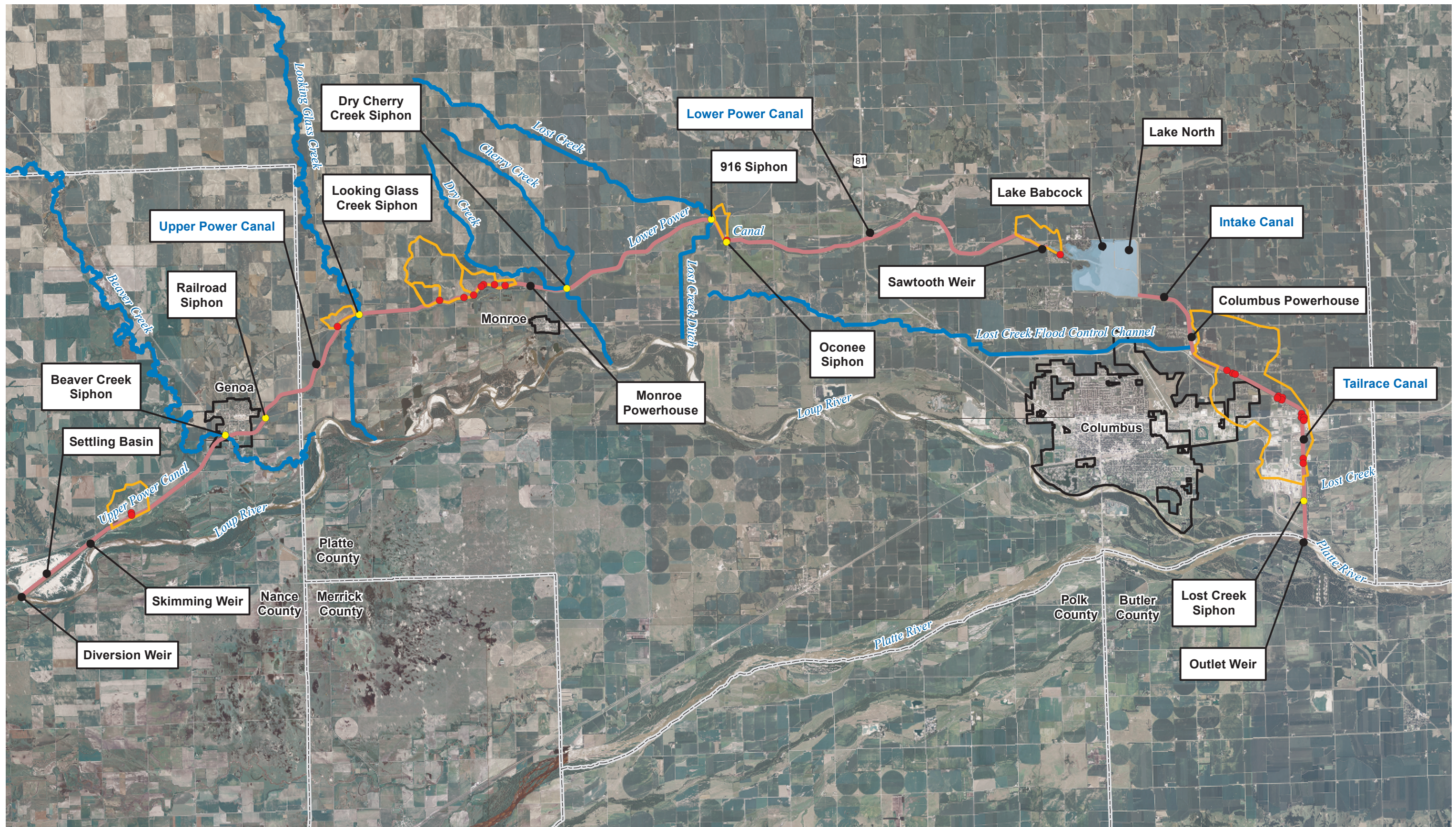
- Legend**
- Dam
  - River
  - Reservoir



<p><b>Loup River Basin</b></p> <p>Loup River Hydroelectric Project FERC Project No. 1256 Final License Application</p> <p>© 2012 Loup River Public Power District</p>	<p>DATE</p> <p>April 2012</p>
	<p>FIGURE</p> <p>E-3</p>



Z:\Projects\Loup\_Power\_District\37104\_LPD\_FERC\_Relicensing\map\_docs\mxd\License\_Application\Streams\_and\_Basins\_Figure\_E\_4.mxd



Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties  
 Source: Local Drainage Basins - Delineated from USGS 7.5' Quadrangle Maps;  
 Streams - National Hydrography Dataset, U.S. Geological Survey

**Legend**

- Siphons
- Culvert Inlet Locations
- Streams
- Loup Power Canal
- Local Drainage Basins



**Streams and Drainage Basins in the Vicinity of the Project**

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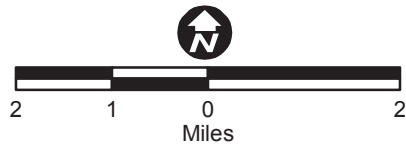
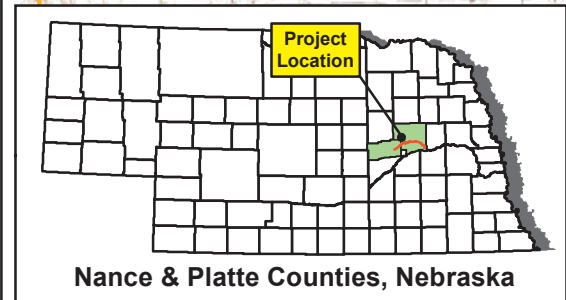
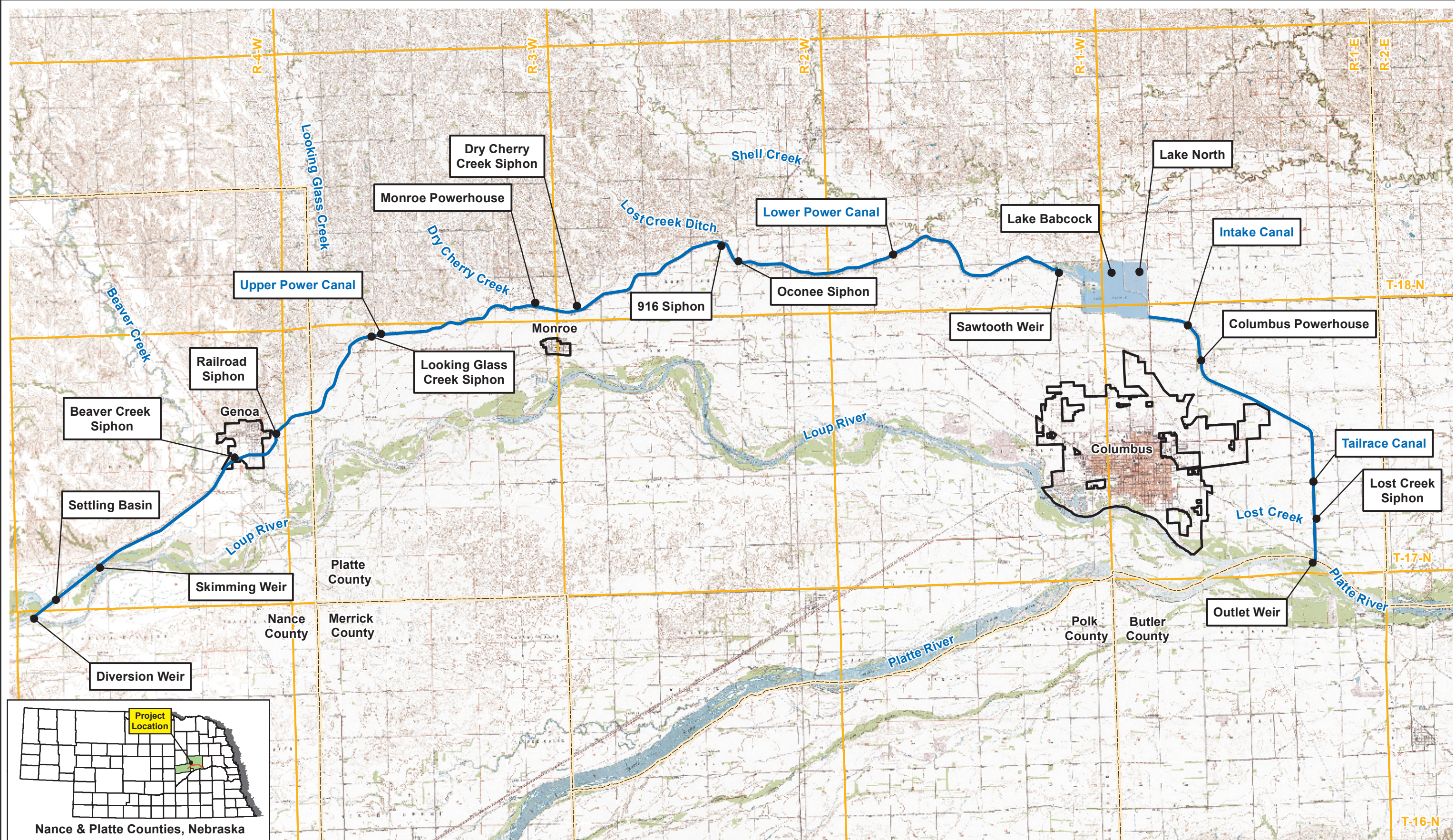
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Figure  
 E-4



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**Legend**

- Loup Power Canal
- Corporate Limits
- Township/Range
- County Line



**Topography**

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 FERC Project No. 1256  
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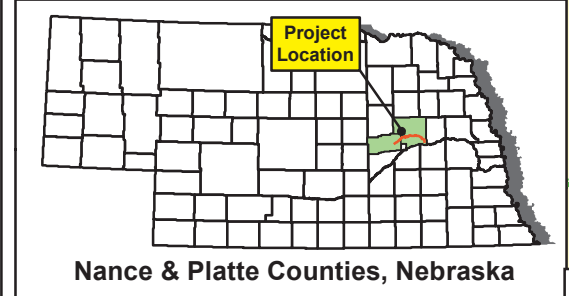
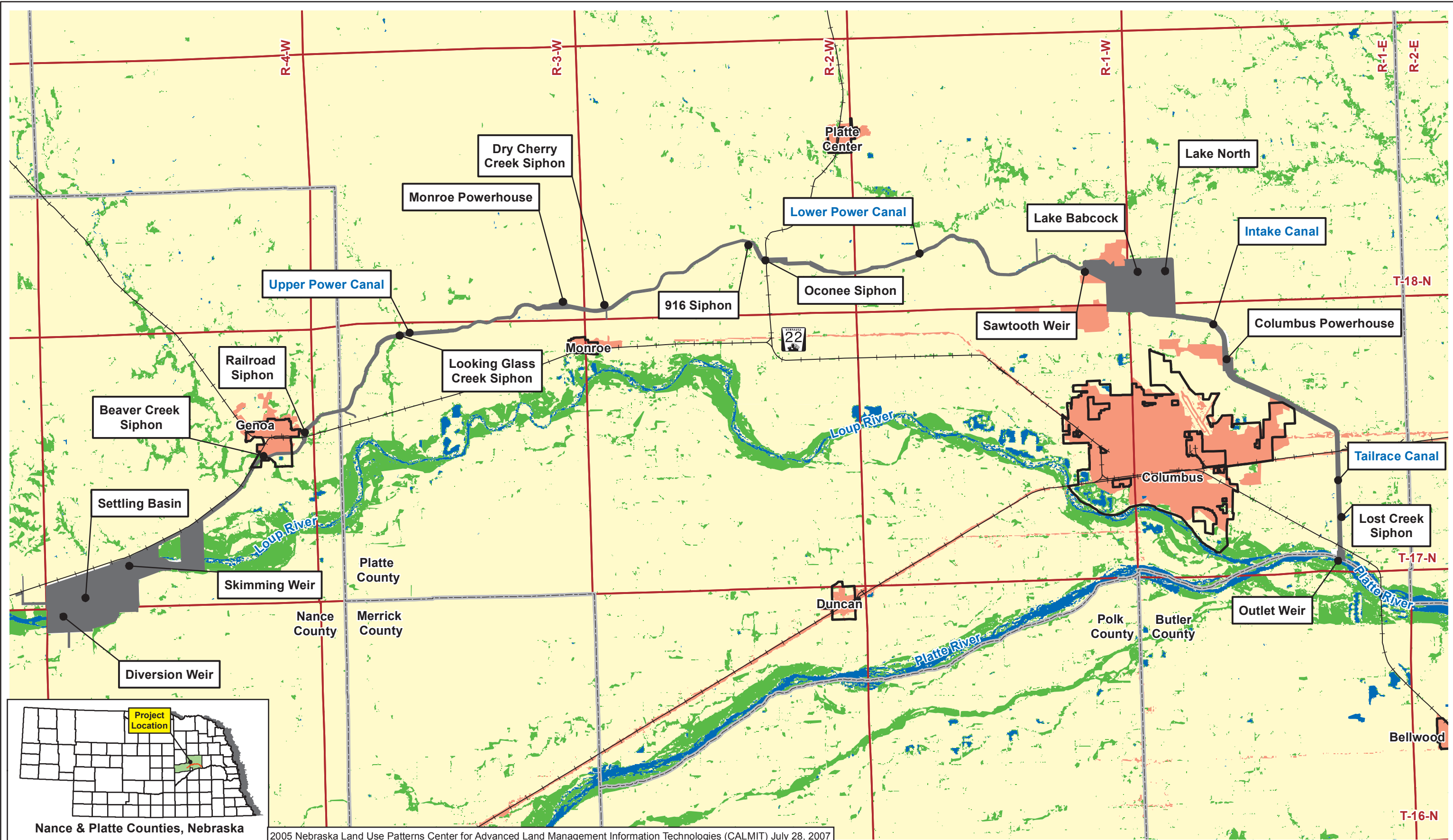
FIGURE

E-5

Topographic Map: 1939 - 2001 USDA-NRCS-NCGC Digital Raster Graphic MrSID Mosaic  
 Corporate Limits, County Line: 2010 Census Tiger Files  
 Stream Areas/Lakes: 2000 Tiger Line Files, Platte and Nance Counties.



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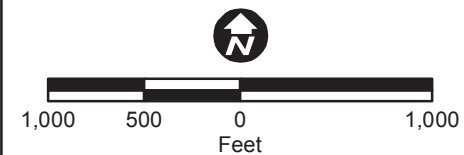
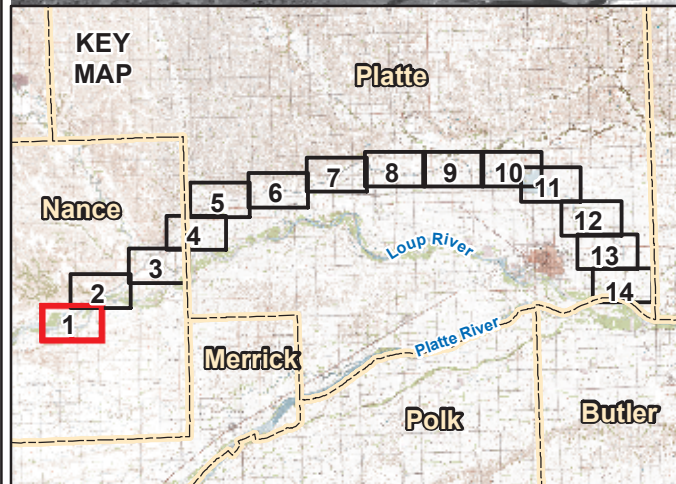
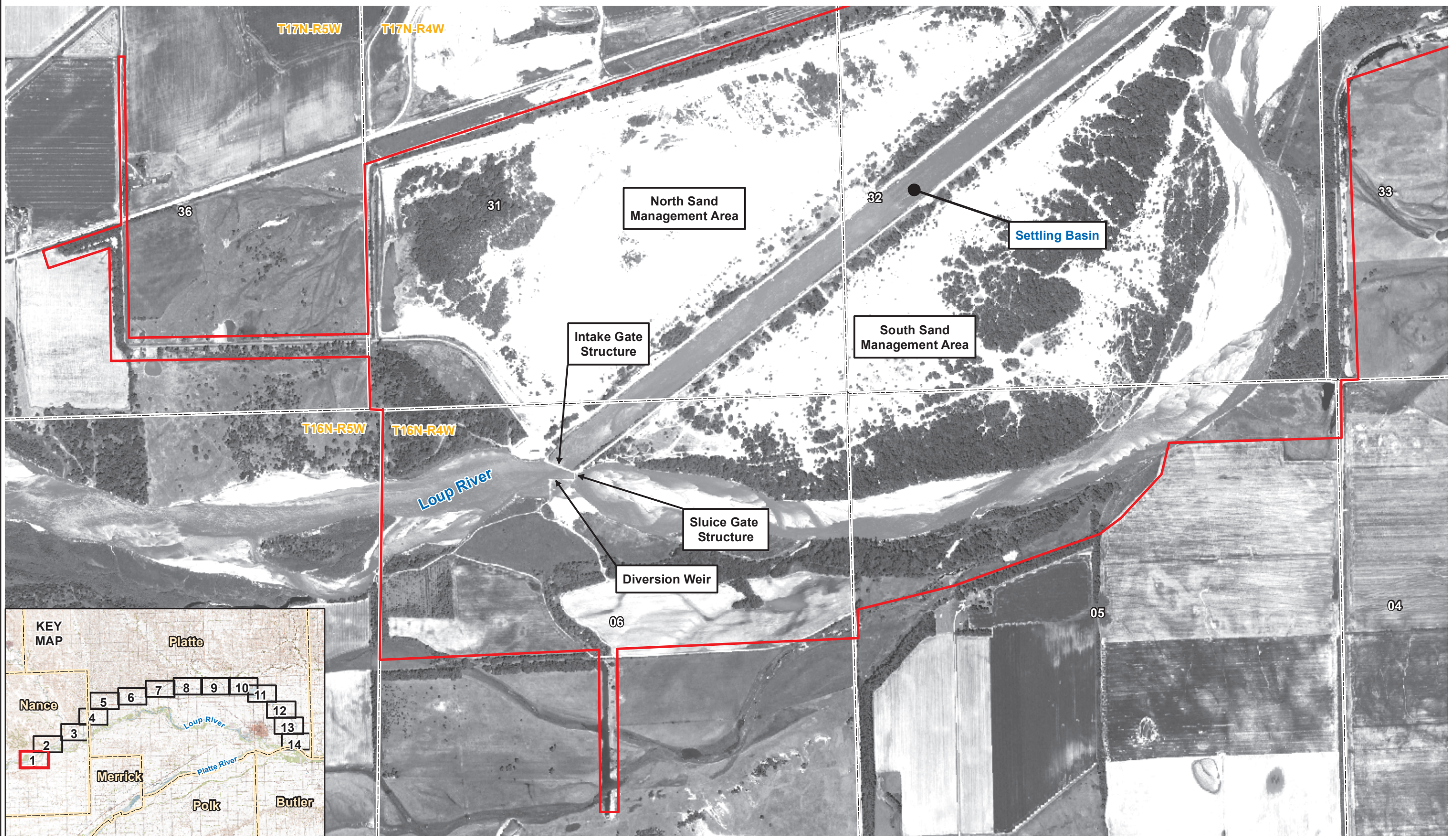


2005 Nebraska Land Use Patterns Center for Advanced Land Management Information Technologies (CALMIT) July 28, 2007

<b>Legend</b> +---+ Railroad — Corporate Limits — Township/Range — County Line		<b>Adjacent Land Use/Land Cover</b> Agriculture - crop, grassland, pasture, range Riparian Forest and Woodlands Urban Land/Roads		Wetlands and Open Water Project Boundary Area		 Sources: Corporate Limits, County Line: 2010 Census Tiger Files Railroad: 2007 Esri Streetmap Data Township Range: 2007 Nebraska DNR				<b>Land Use</b> Loup River Hydroelectric Project FERC Project No. 1256 Final License Application		DATE April 2012	
										FIGURE E-6			
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line



**Project Facilities**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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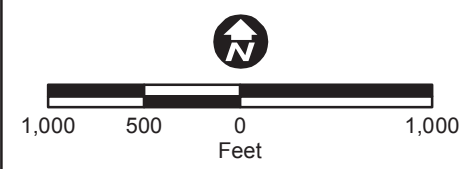
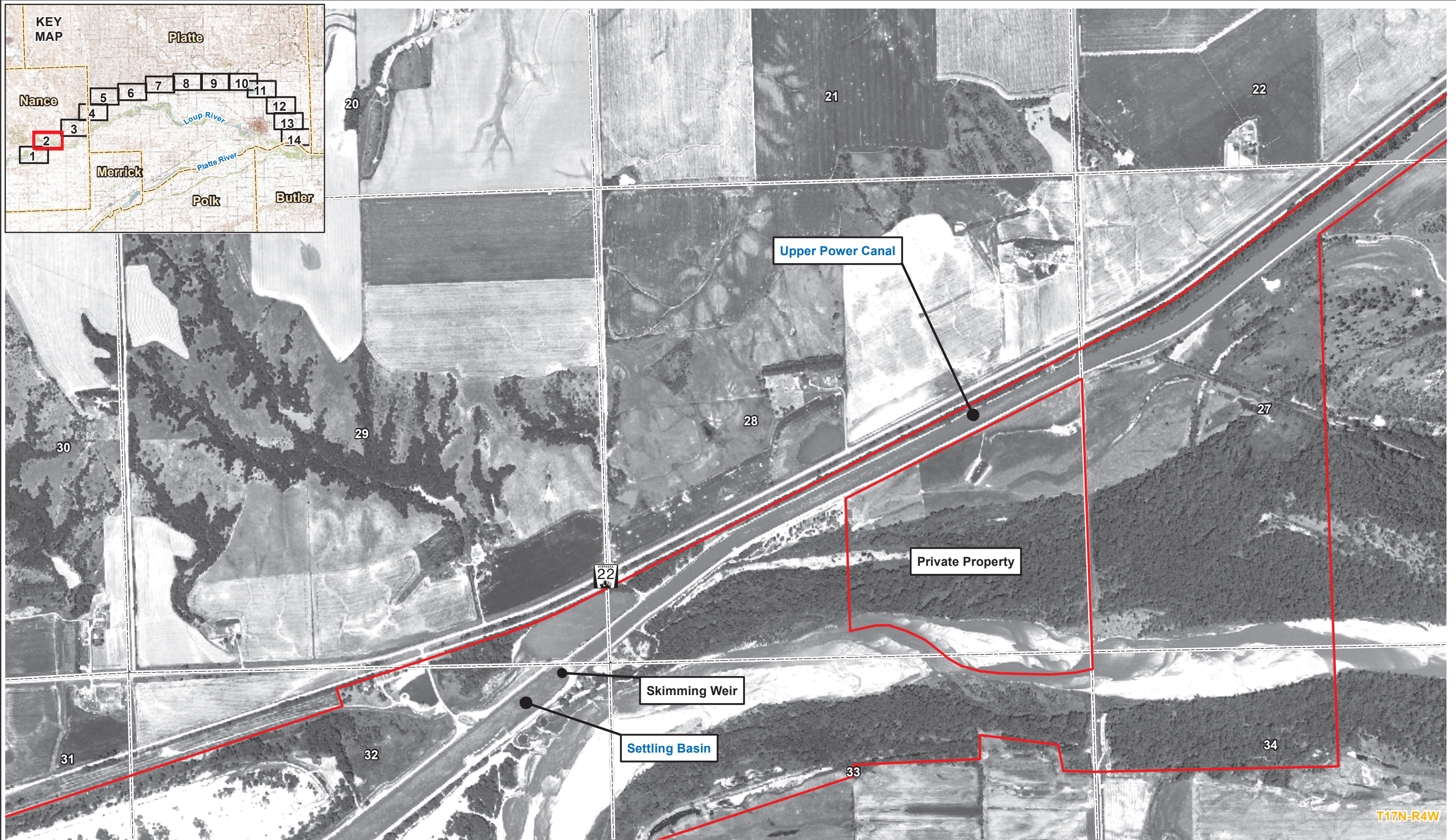
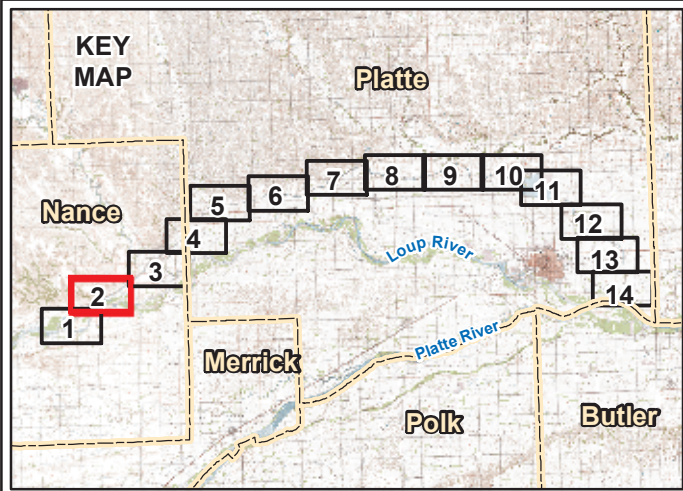
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FIGURE  
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line



**Project Facilities**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

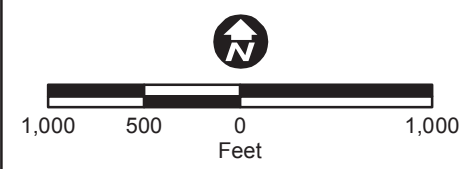
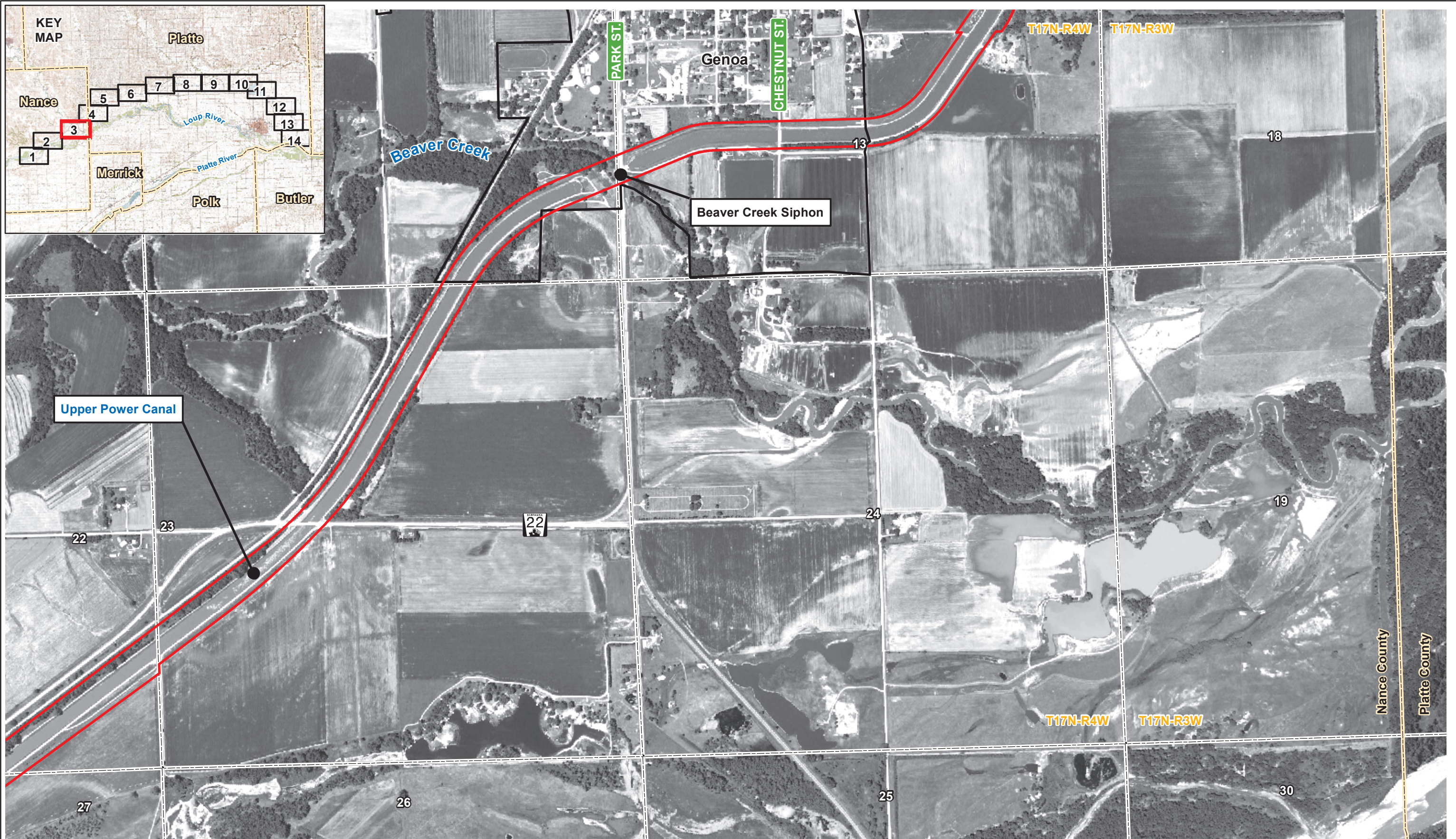
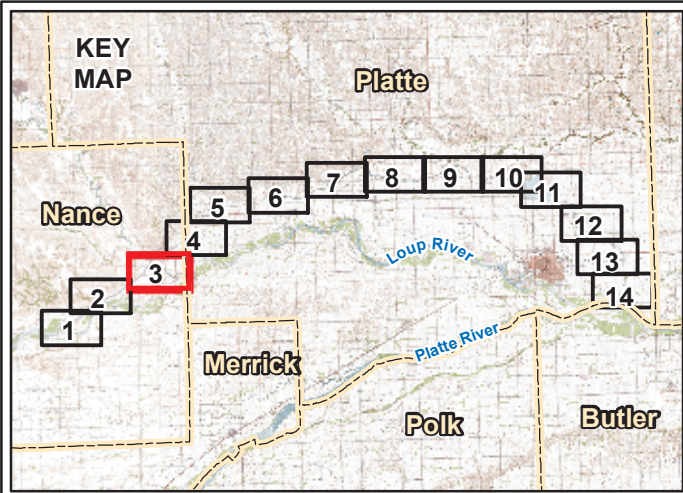
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

Loup River Hydroelectric Project  
FERC Project No. 1256  
Final License Application

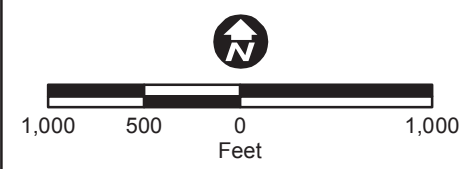
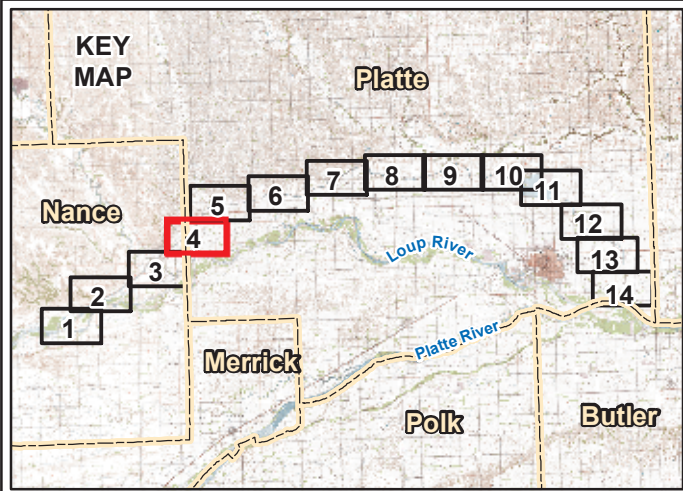
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

Loup River Hydroelectric Project  
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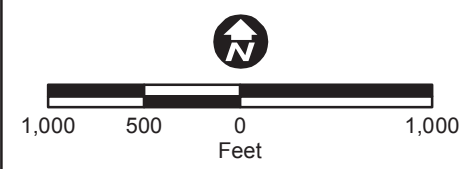
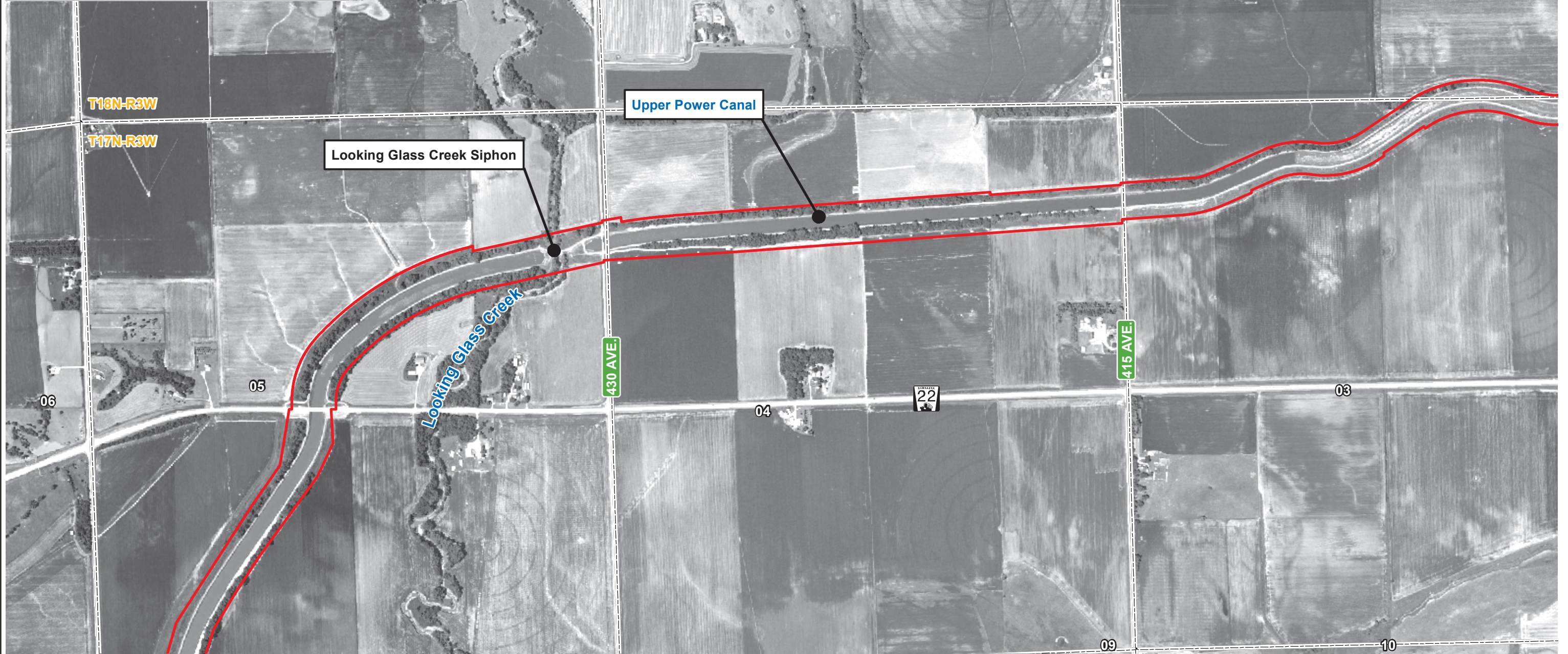
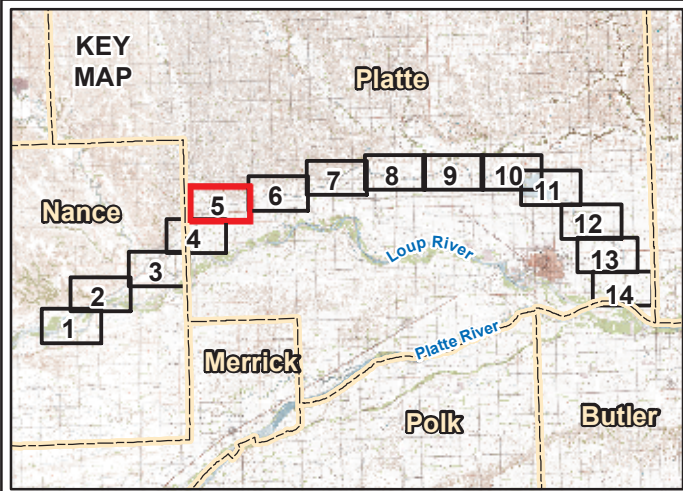
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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

Loup River Hydroelectric Project  
FERC Project No. 1256  
Final License Application

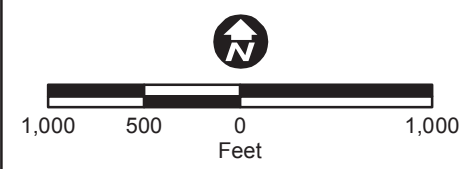
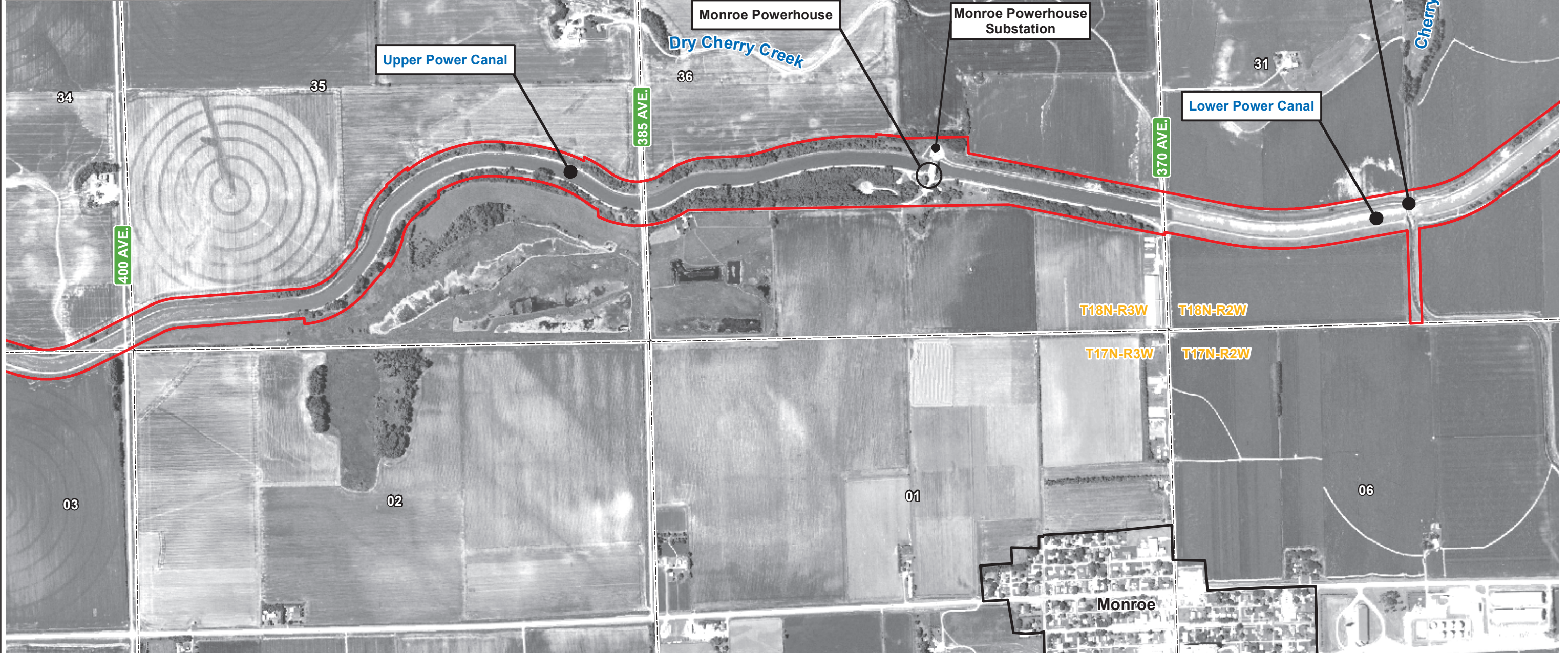
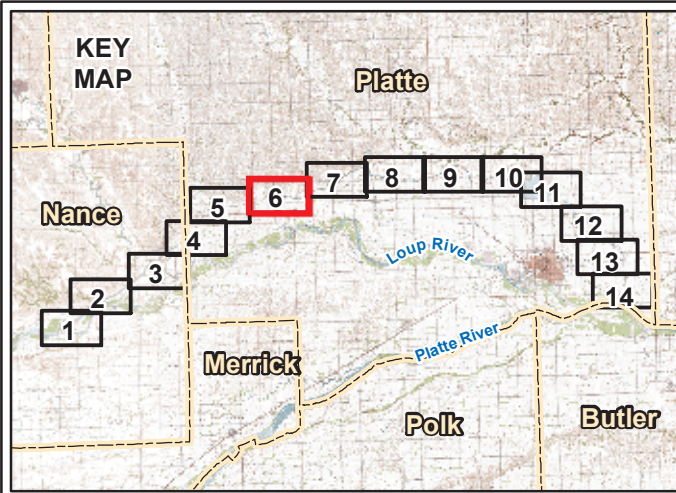
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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

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FERC Project No. 1256  
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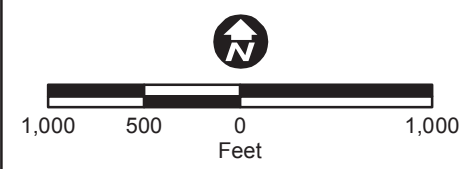
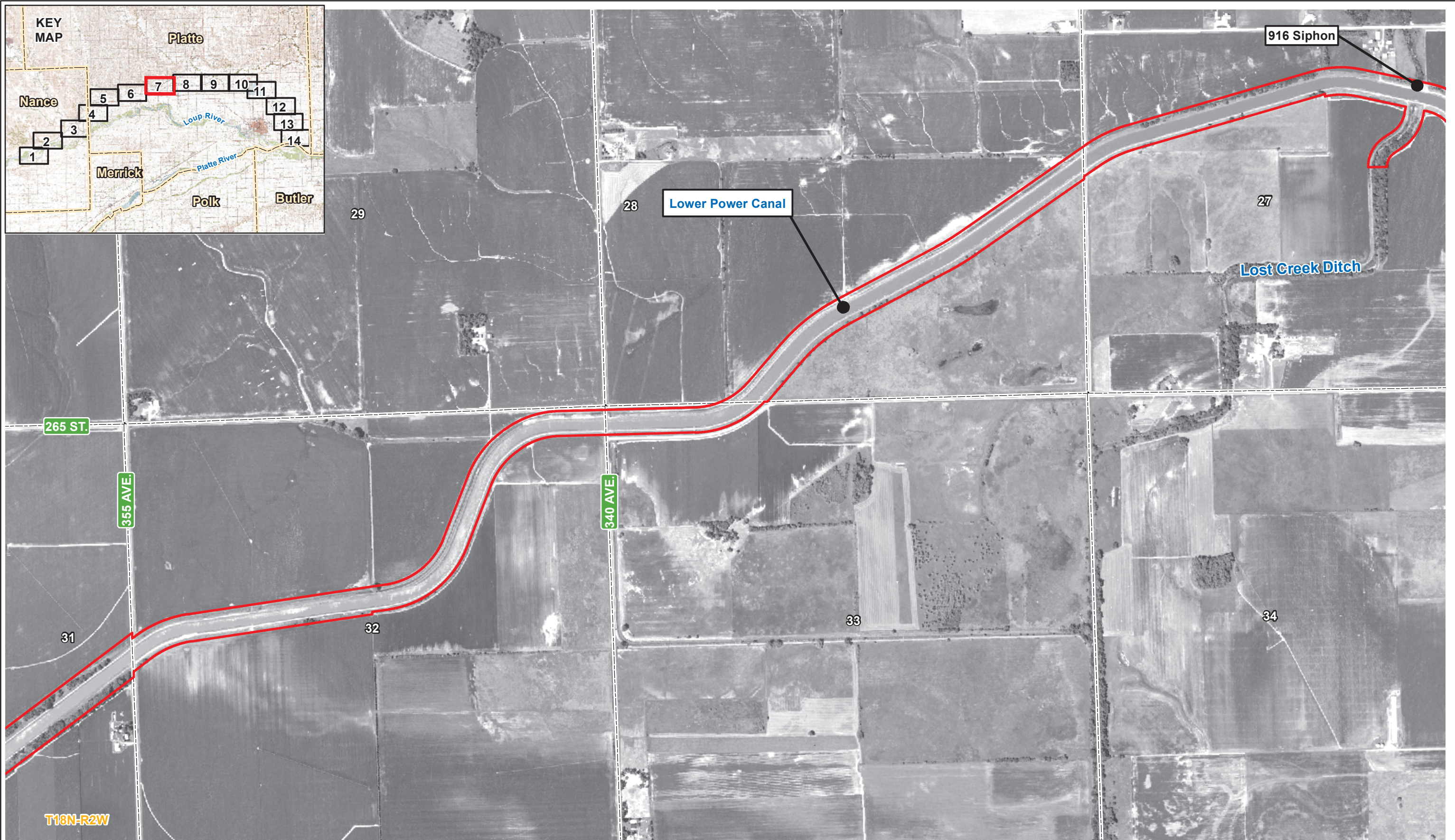
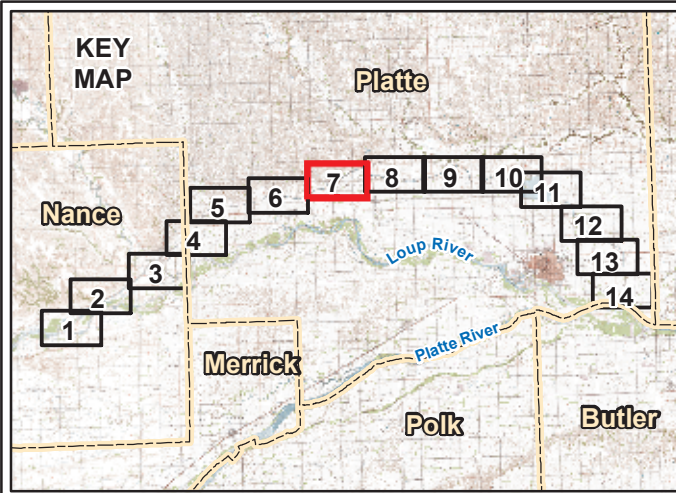
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

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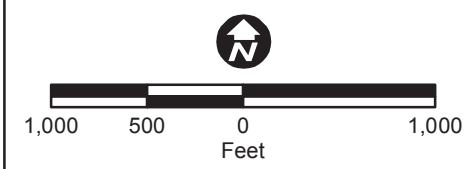
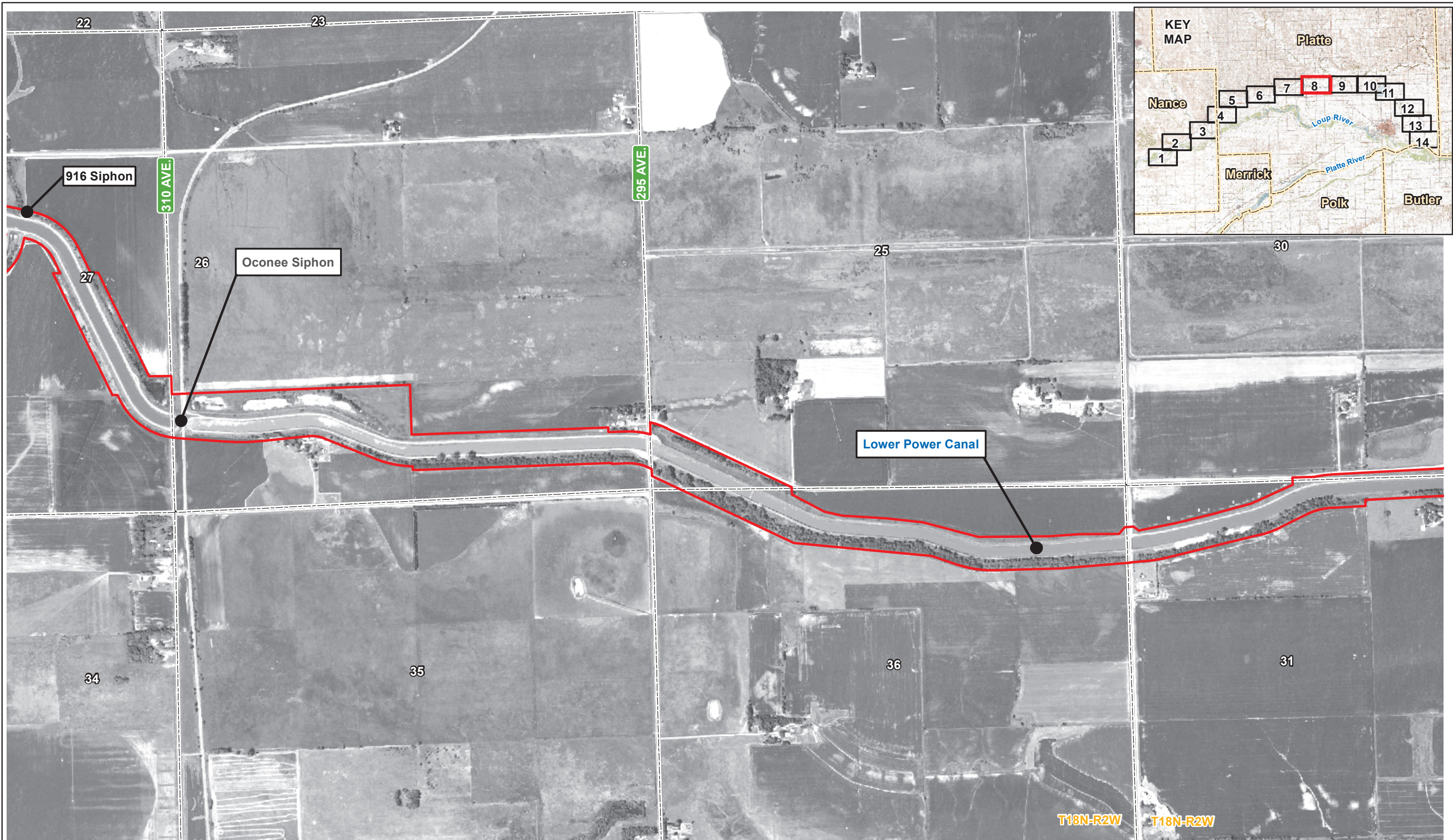
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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

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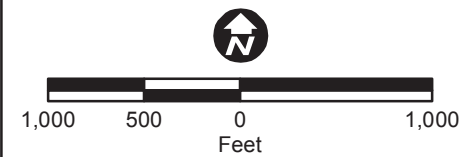
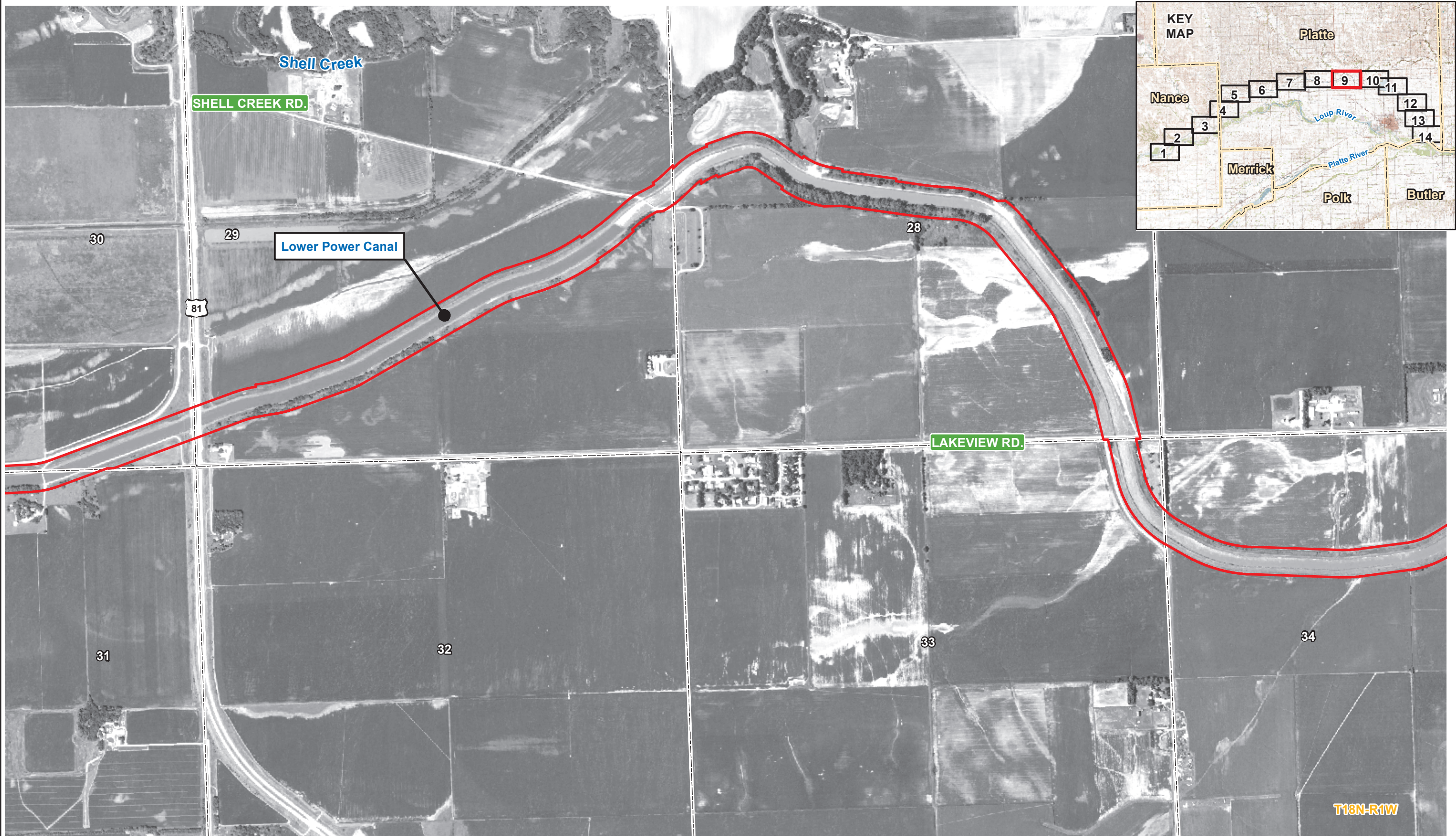
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic





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**Legend**

-  Project Boundary
-  Section Line
-  Corporate Limits
-  County Line



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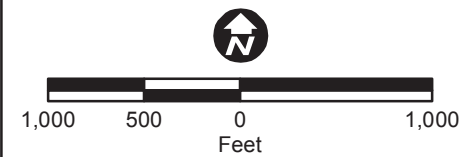
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FIGURE  
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line



**Project Facilities**

Loup River Hydroelectric Project  
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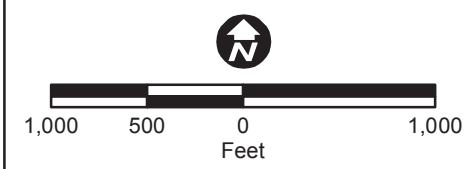
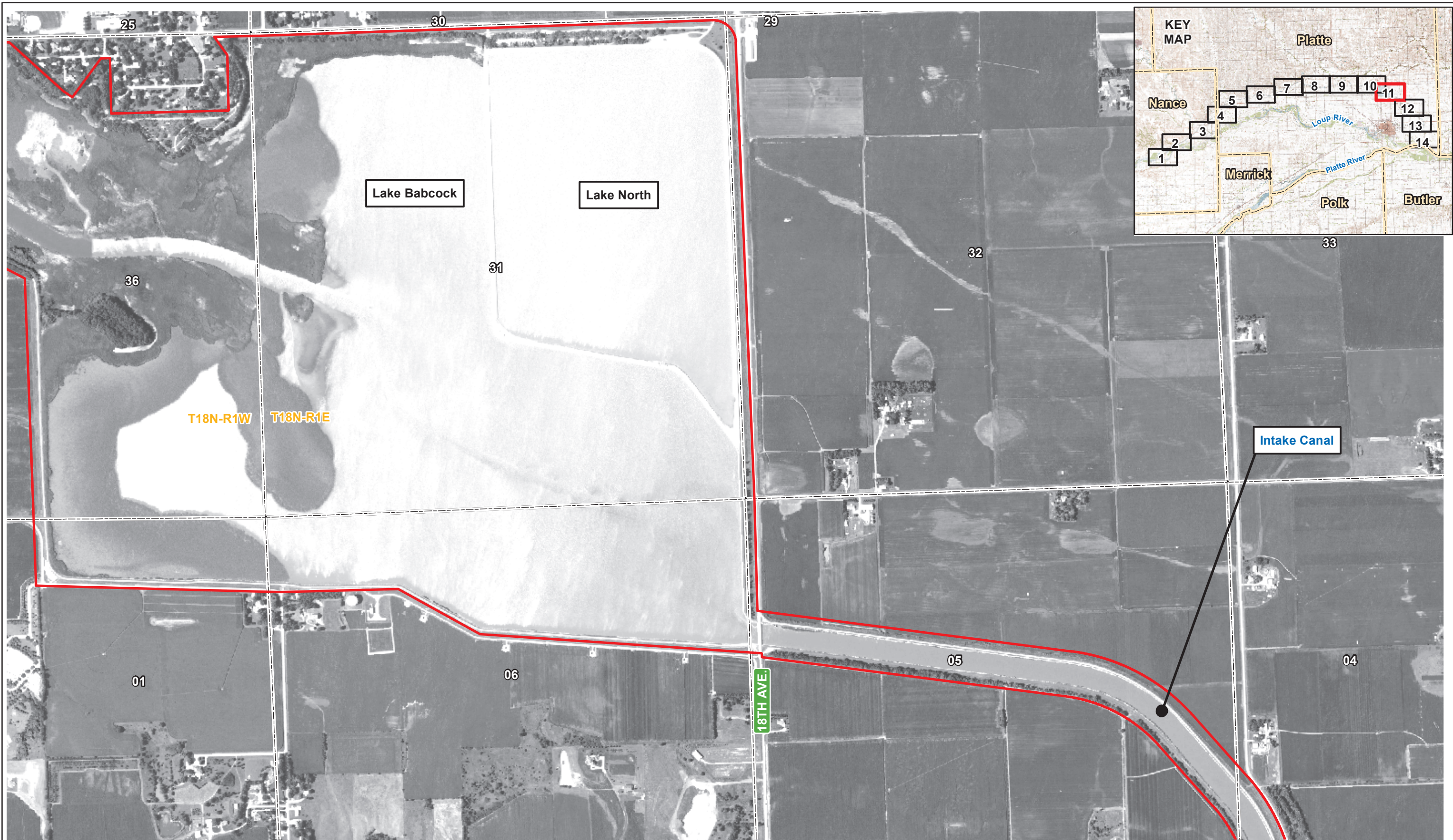
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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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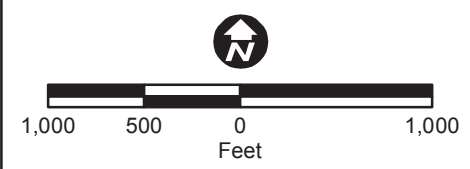
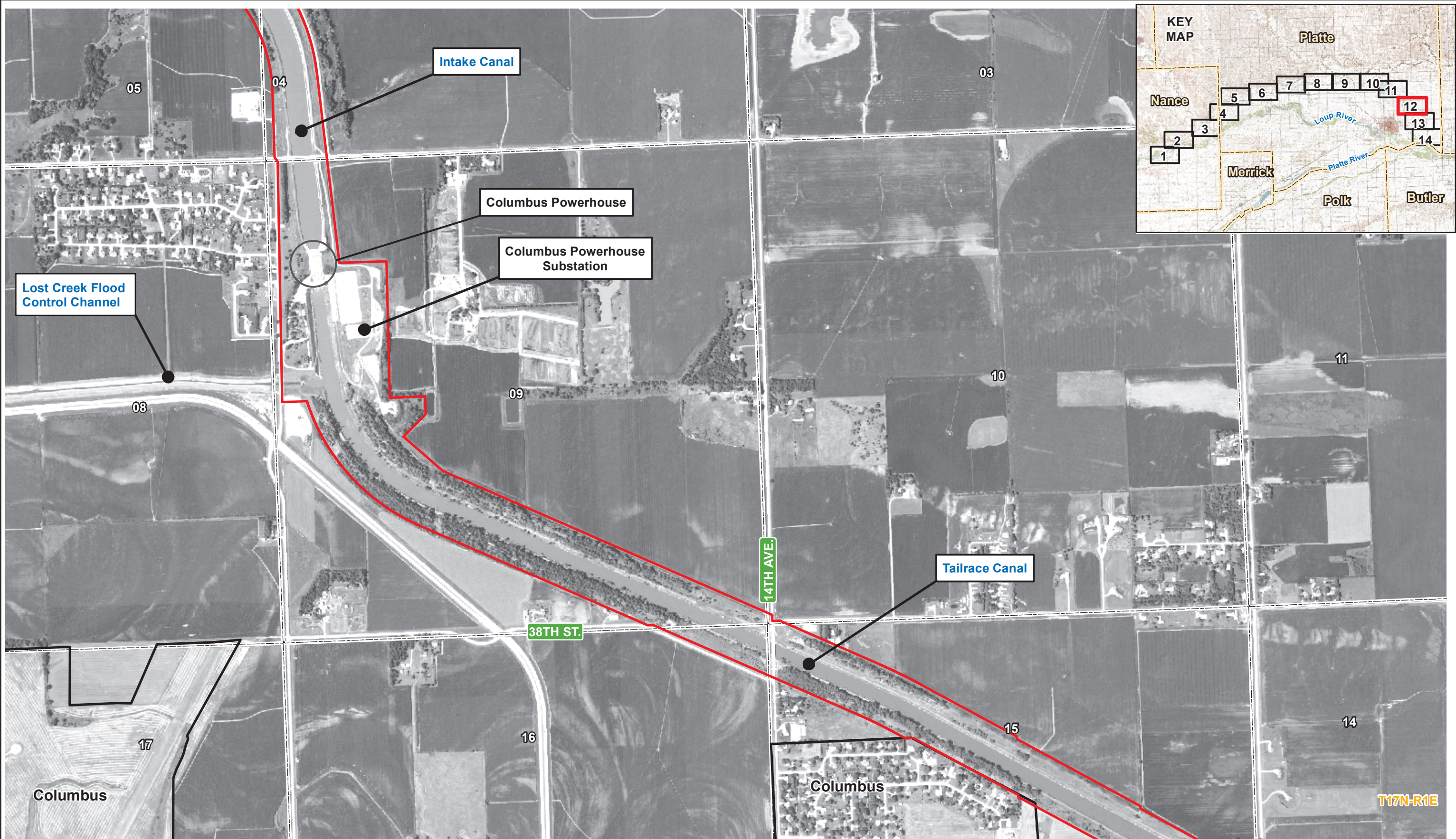
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FIGURE	E-7

Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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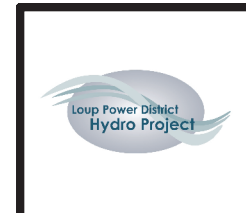
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line



**Project Facilities**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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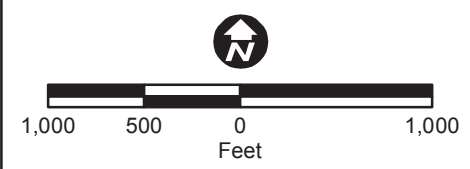
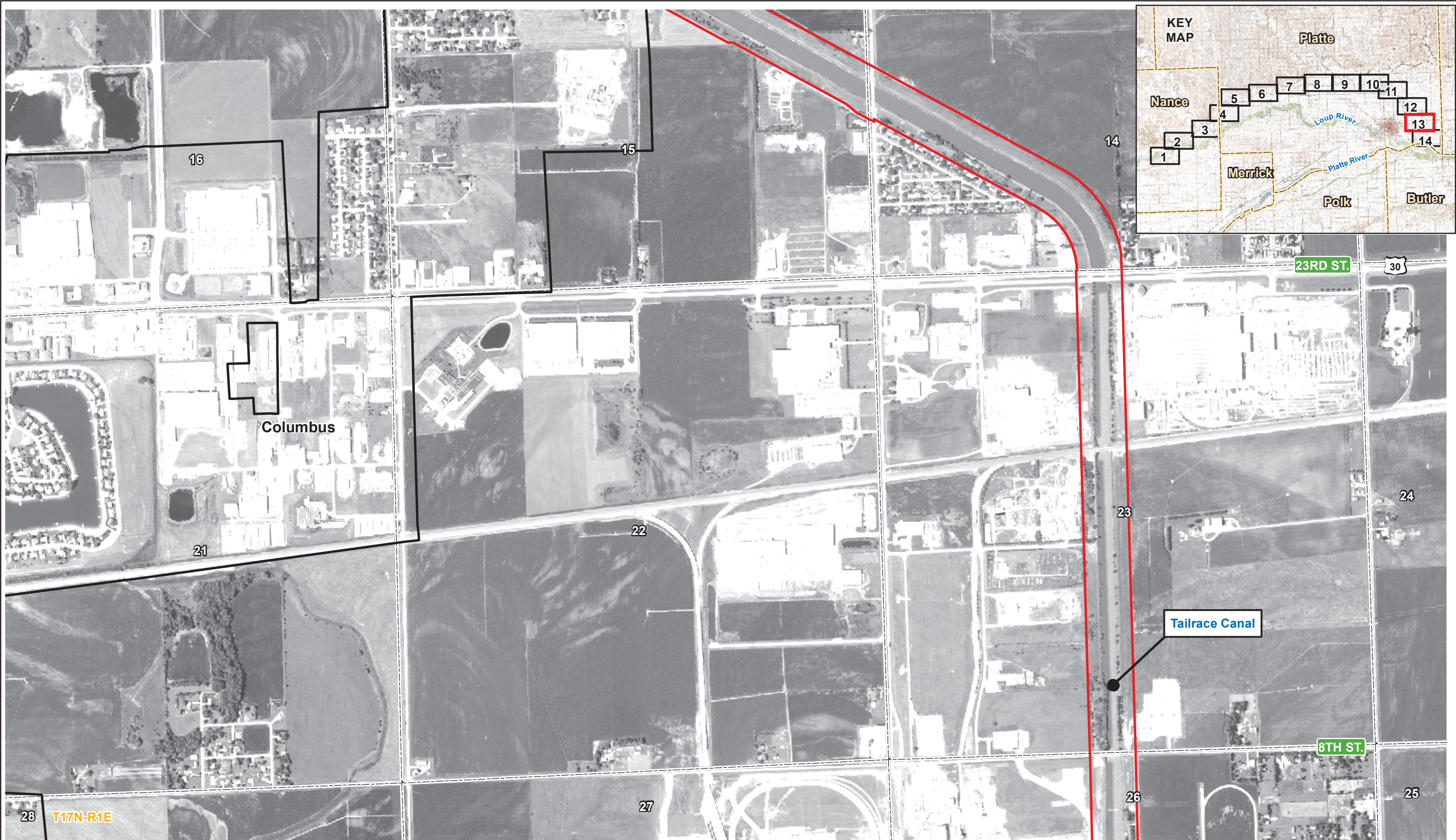
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

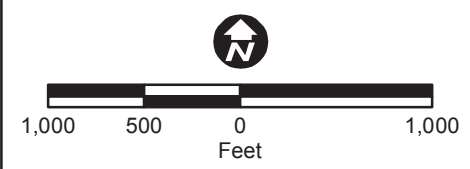
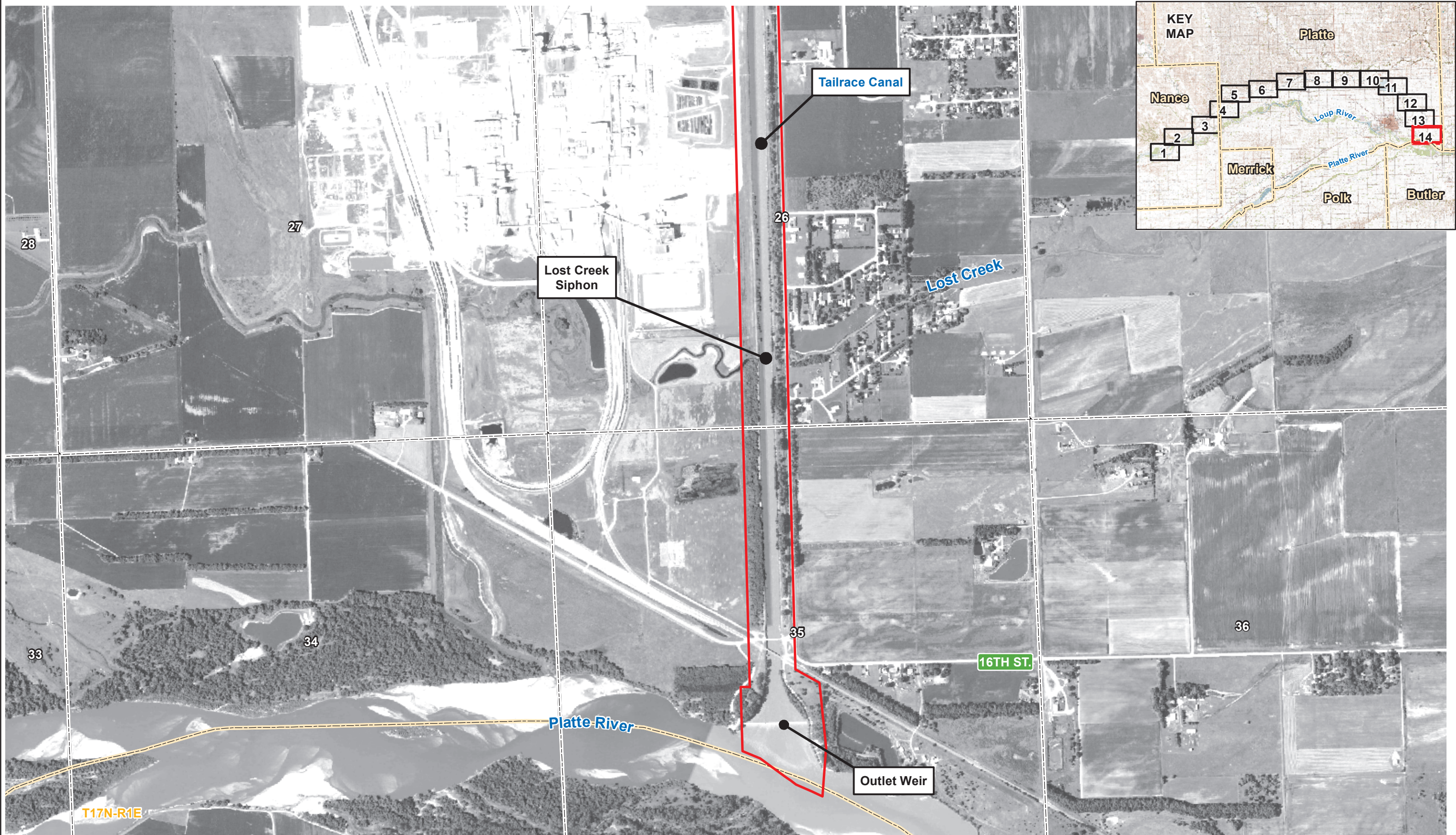
- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



<p><b>Project Facilities</b></p> <p>Loup River Hydroelectric Project          FERC Project No. 1256          Final License Application</p>	<p>Sheet 13 of 14</p>	<p>DATE April 2012</p> <hr/> <p>FIGURE E-7</p>
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- Legend**
- Project Boundary
  - Section Line
  - Corporate Limits
  - County Line



**Project Facilities**

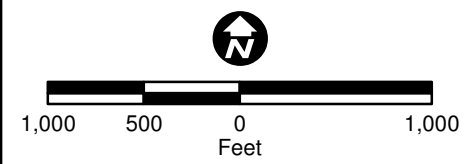
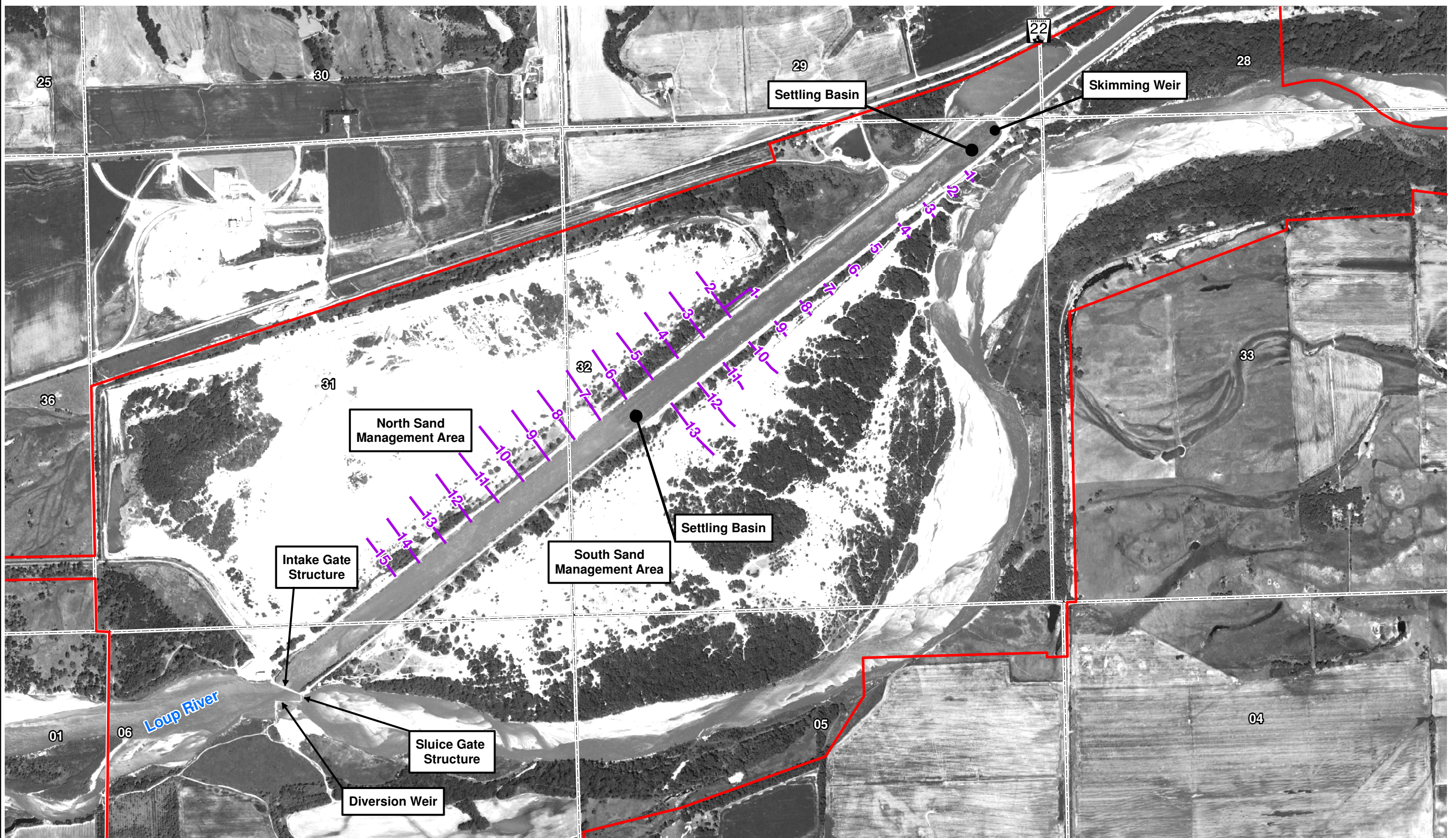
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Dredge discharge pipe lengths are approximate  
 Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
- Section Line
- Dredge Discharge Pipe



**Settling Basin Dredge Discharge Locations**

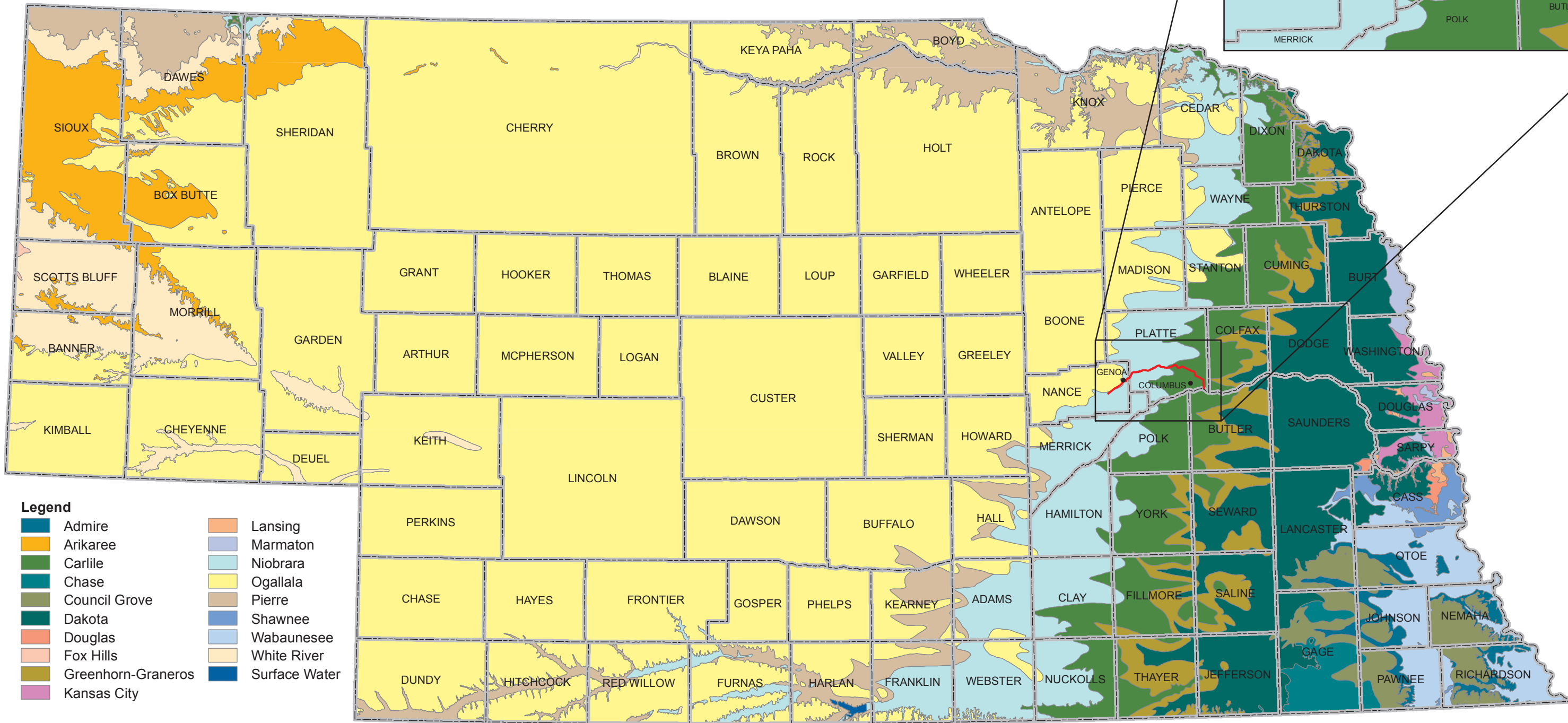
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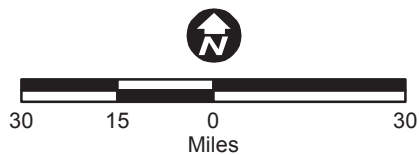
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FIGURE	E-8



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- Legend**
- |  |                    |  |               |
|--|--------------------|--|---------------|
|  | Admire             |  | Lansing       |
|  | Arikaree           |  | Marmaton      |
|  | Carlile            |  | Niobrara      |
|  | Chase              |  | Ogallala      |
|  | Council Grove      |  | Pierre        |
|  | Dakota             |  | Shawnee       |
|  | Douglas            |  | Wabaunsee     |
|  | Fox Hills          |  | White River   |
|  | Greenhorn-Graneros |  | Surface Water |
|  | Kansas City        |  |               |



Source: Bedrock, 1996, Conservation & Survey Division, University of Nebraska - Lincoln (CSD)



### Geologic Bedrock Map of Nebraska

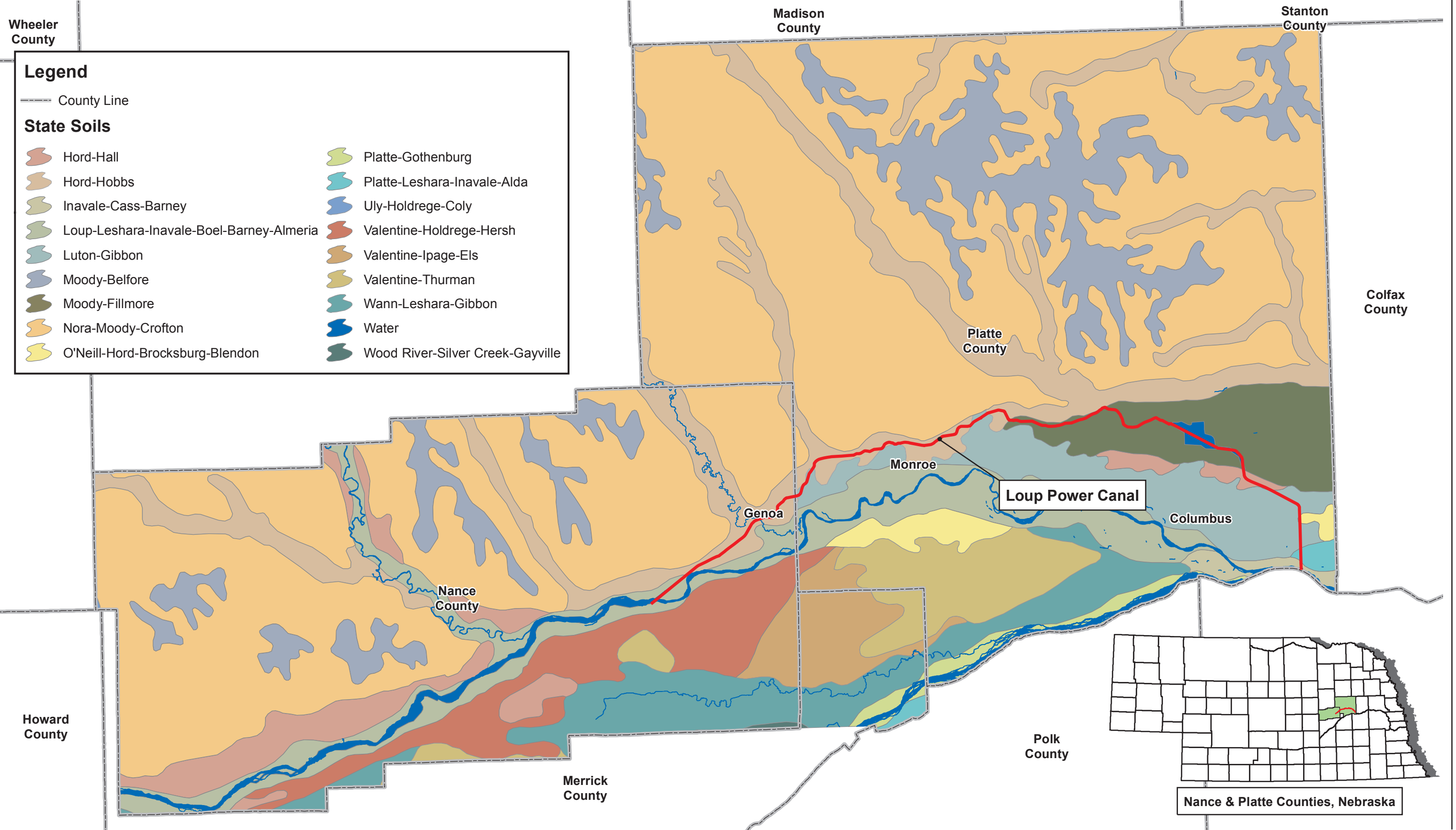
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FERC Project No. 1256  
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FIGURE	E-9



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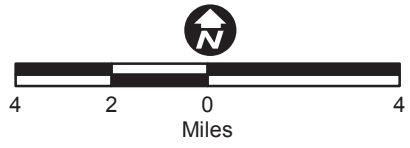


**Legend**

--- County Line

**State Soils**

	Hord-Hall		Platte-Gothenburg
	Hord-Hobbs		Platte-Leshara-Inavale-Alda
	Inavale-Cass-Barney		Uly-Holdrege-Coly
	Loup-Leshara-Inavale-Boel-Barney-Almeria		Valentine-Holdrege-Hersh
	Luton-Gibbon		Valentine-Ipage-Els
	Moody-Belfore		Valentine-Thurman
	Moody-Fillmore		Wann-Leshara-Gibbon
	Nora-Moody-Crofton		Water
	O'Neill-Hord-Brocksburg-Blendon		Wood River-Silver Creek-Gayville



Source: Soils, 2006 U.S. Department of Agriculture, Natural Resources Conservation Service  
 Water: 2011 National Hydrography Dataset (NHD)



**Soils in Platte and Nance Counties**

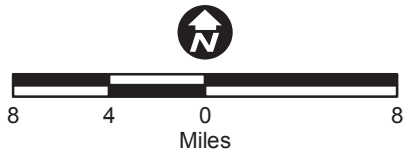
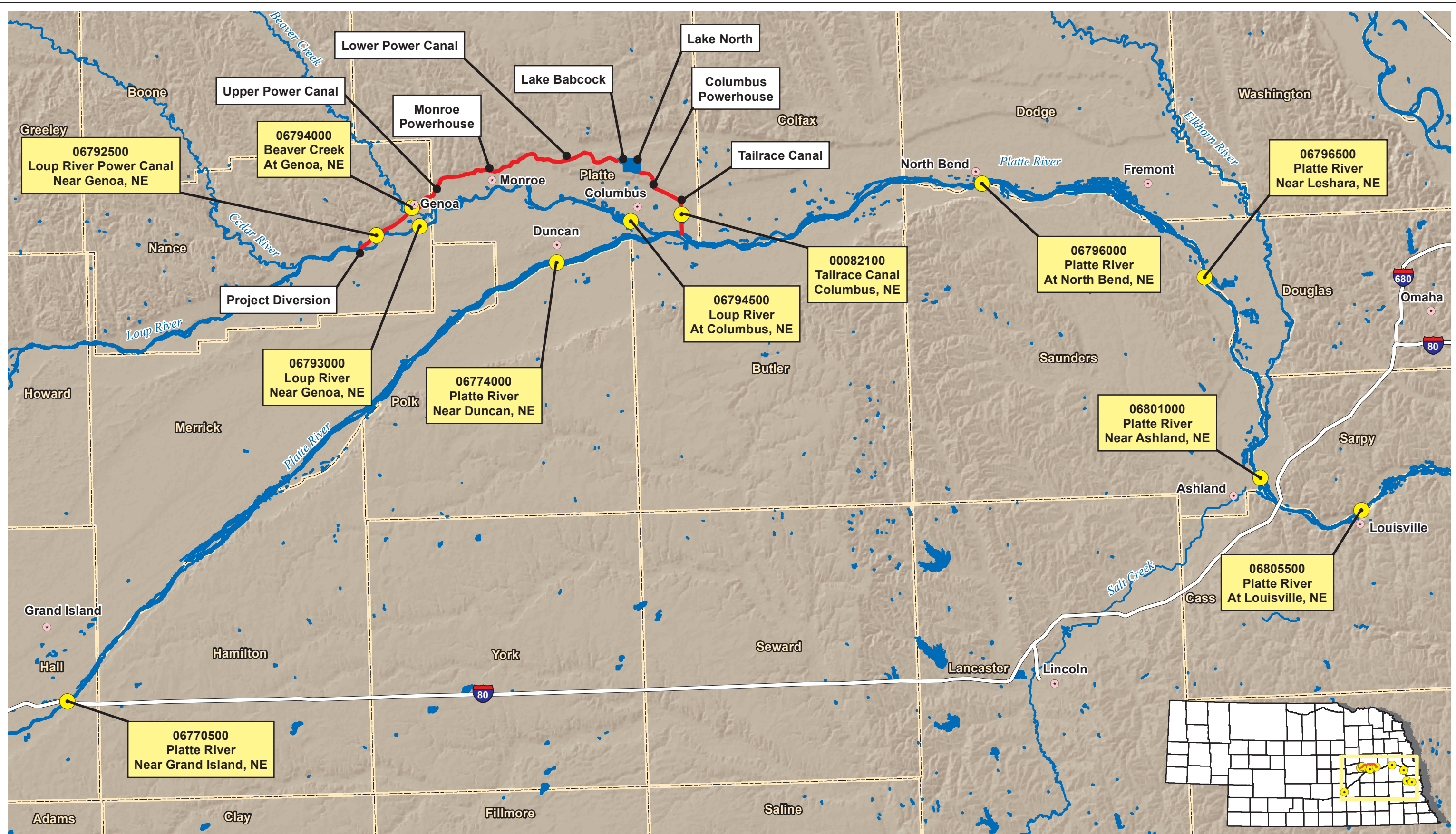
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FIGURE	E-10



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- Legend**
- City
  - Stream Gage Locations
  - Interstate
  - Stream/River
  - Loup Power Canal
  - Waterbody
  - County

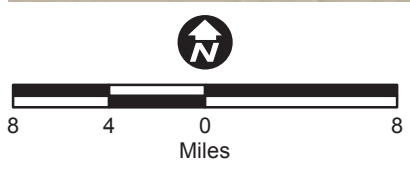
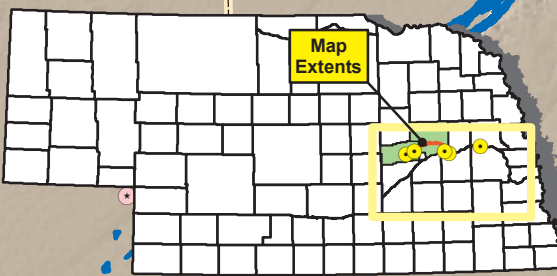
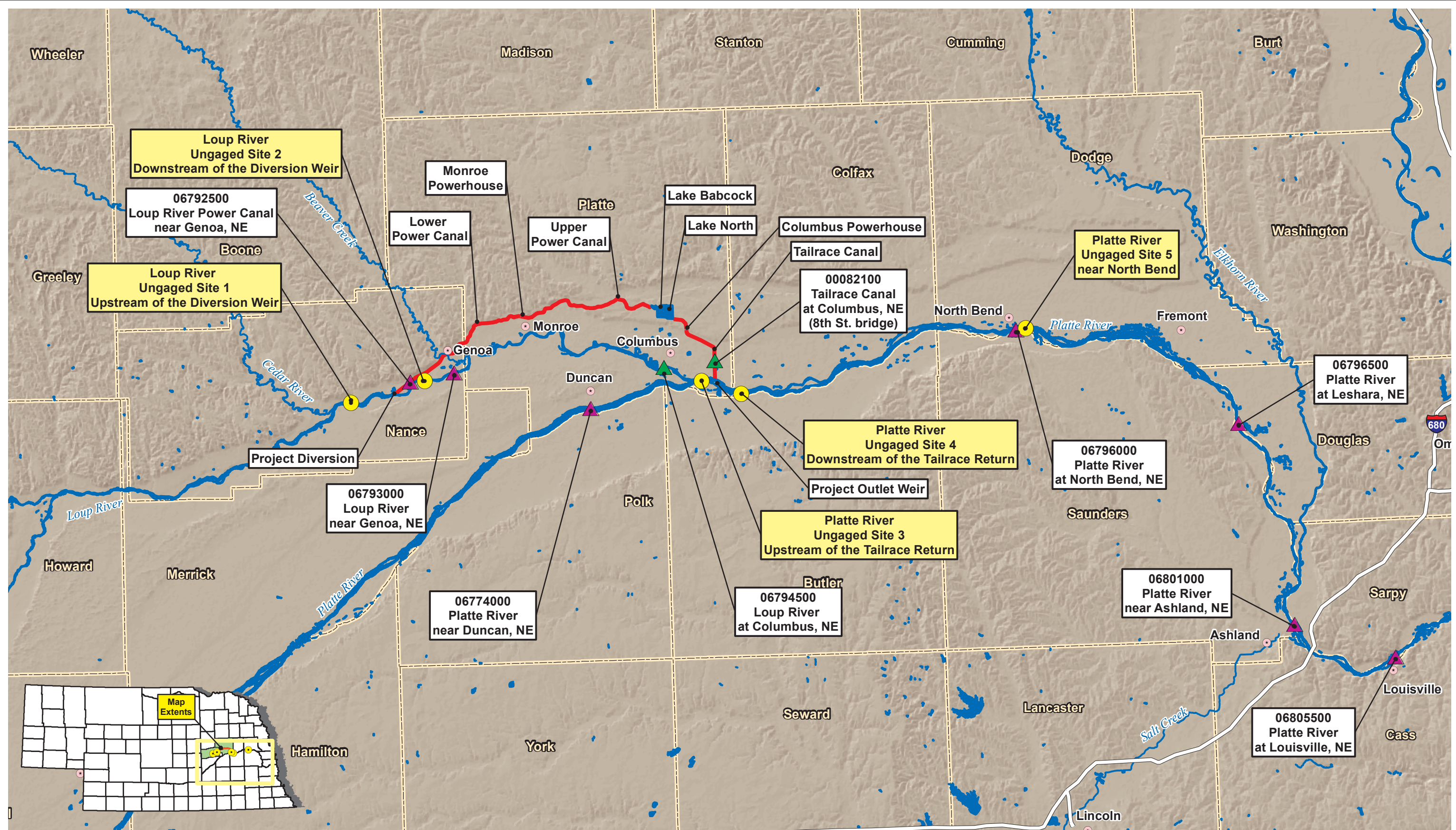


**Stream Gage Locations**

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 FERC Project No. 1256  
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FIGURE	E-11





- Legend**
- City
  - ▲ NDNR Gaging Station
  - ▲ USGS Gaging Station
  - Ungaged Study Sites
  - Interstate
  - Stream/River
  - Loup Power Canal
  - Waterbody
  - County



**Ungaged Study Sites**

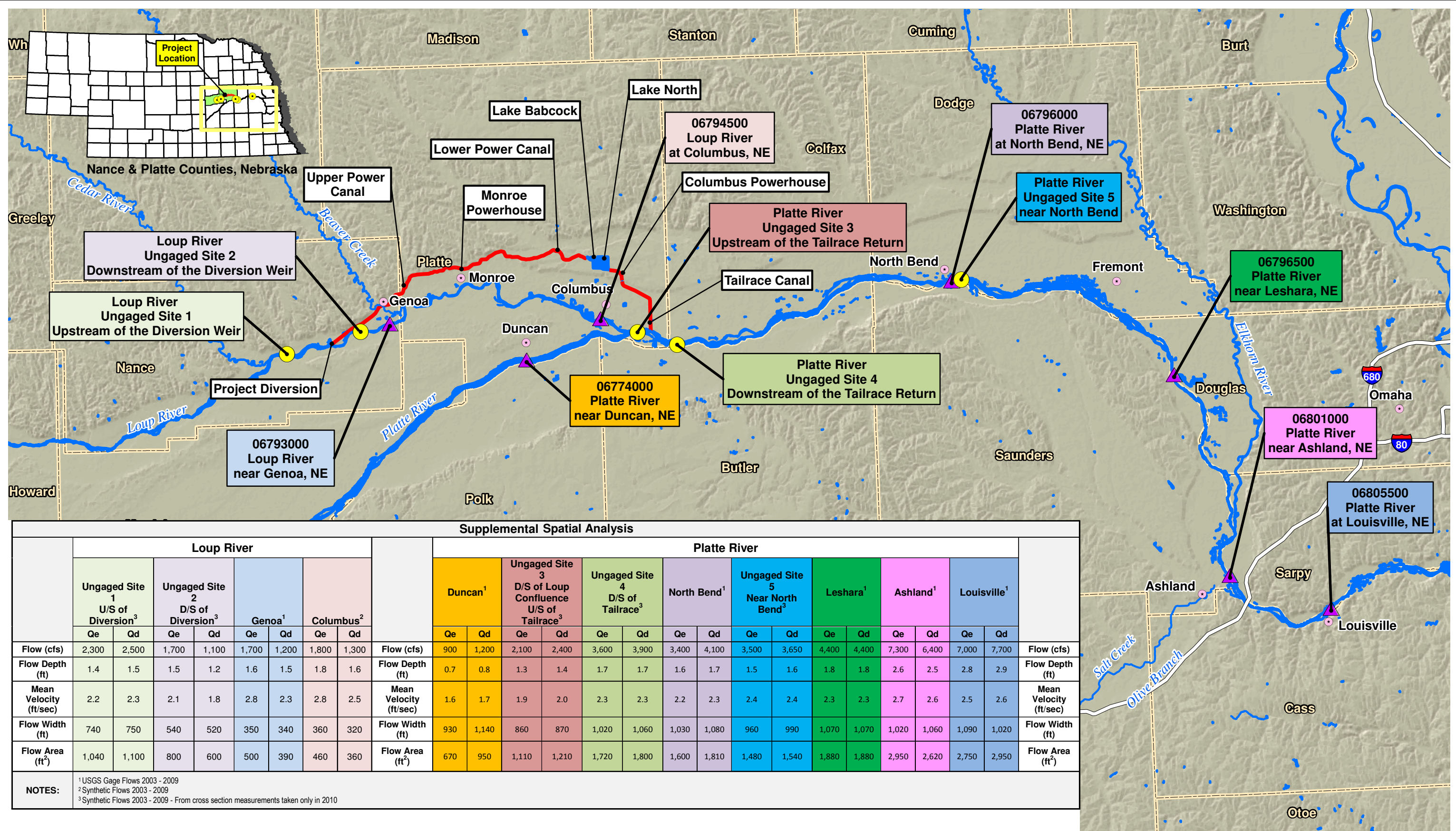
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FIGURE	E-12



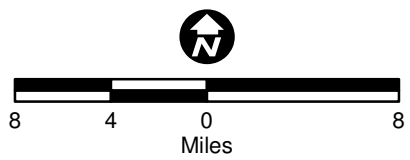
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**Supplemental Spatial Analysis**

	Loup River								Platte River																	
	Ungaged Site 1 U/S of Diversion <sup>3</sup>		Ungaged Site 2 D/S of Diversion <sup>3</sup>		Genoa <sup>1</sup>		Columbus <sup>2</sup>		Duncan <sup>1</sup>		Ungaged Site 3 D/S of Loup Confluence U/S of Tailrace <sup>3</sup>		Ungaged Site 4 D/S of Tailrace <sup>3</sup>		North Bend <sup>1</sup>		Ungaged Site 5 Near North Bend <sup>3</sup>		Leshara <sup>1</sup>			Ashland <sup>1</sup>		Louisville <sup>1</sup>		
	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd	Qe	Qd		Qe	Qd	Qe	Qd	Qe
Flow (cfs)	2,300	2,500	1,700	1,100	1,700	1,200	1,800	1,300	Flow (cfs)	900	1,200	2,100	2,400	3,600	3,900	3,400	4,100	3,500	3,650	4,400	4,400	7,300	6,400	7,000	7,700	Flow (cfs)
Flow Depth (ft)	1.4	1.5	1.5	1.2	1.6	1.5	1.8	1.6	Flow Depth (ft)	0.7	0.8	1.3	1.4	1.7	1.7	1.6	1.7	1.5	1.6	1.8	1.8	2.6	2.5	2.8	2.9	Flow Depth (ft)
Mean Velocity (ft/sec)	2.2	2.3	2.1	1.8	2.8	2.3	2.8	2.5	Mean Velocity (ft/sec)	1.6	1.7	1.9	2.0	2.3	2.3	2.2	2.3	2.4	2.4	2.3	2.3	2.7	2.6	2.5	2.6	Mean Velocity (ft/sec)
Flow Width (ft)	740	750	540	520	350	340	360	320	Flow Width (ft)	930	1,140	860	870	1,020	1,060	1,030	1,080	960	990	1,070	1,070	1,020	1,060	1,090	1,020	Flow Width (ft)
Flow Area (ft <sup>2</sup> )	1,040	1,100	800	600	500	390	460	360	Flow Area (ft <sup>2</sup> )	670	950	1,110	1,210	1,720	1,800	1,600	1,810	1,480	1,540	1,880	1,880	2,950	2,620	2,750	2,950	Flow Area (ft <sup>2</sup> )

**NOTES:**  
<sup>1</sup> USGS Gage Flows 2003 - 2009  
<sup>2</sup> Synthetic Flows 2003 - 2009  
<sup>3</sup> Synthetic Flows 2003 - 2009 - From cross section measurements taken only in 2010



- Legend**
- City
  - ▲ USGS Gaging Station and Study Site
  - Ungaged Study Sites
  - Interstate
  - Stream/River
  - Loup Power Canal
  - Waterbody
  - County



**Spatial Analysis**

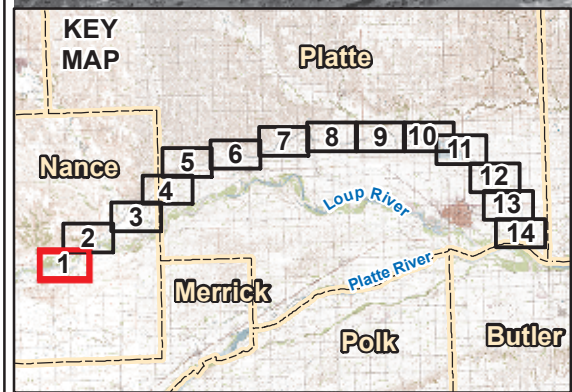
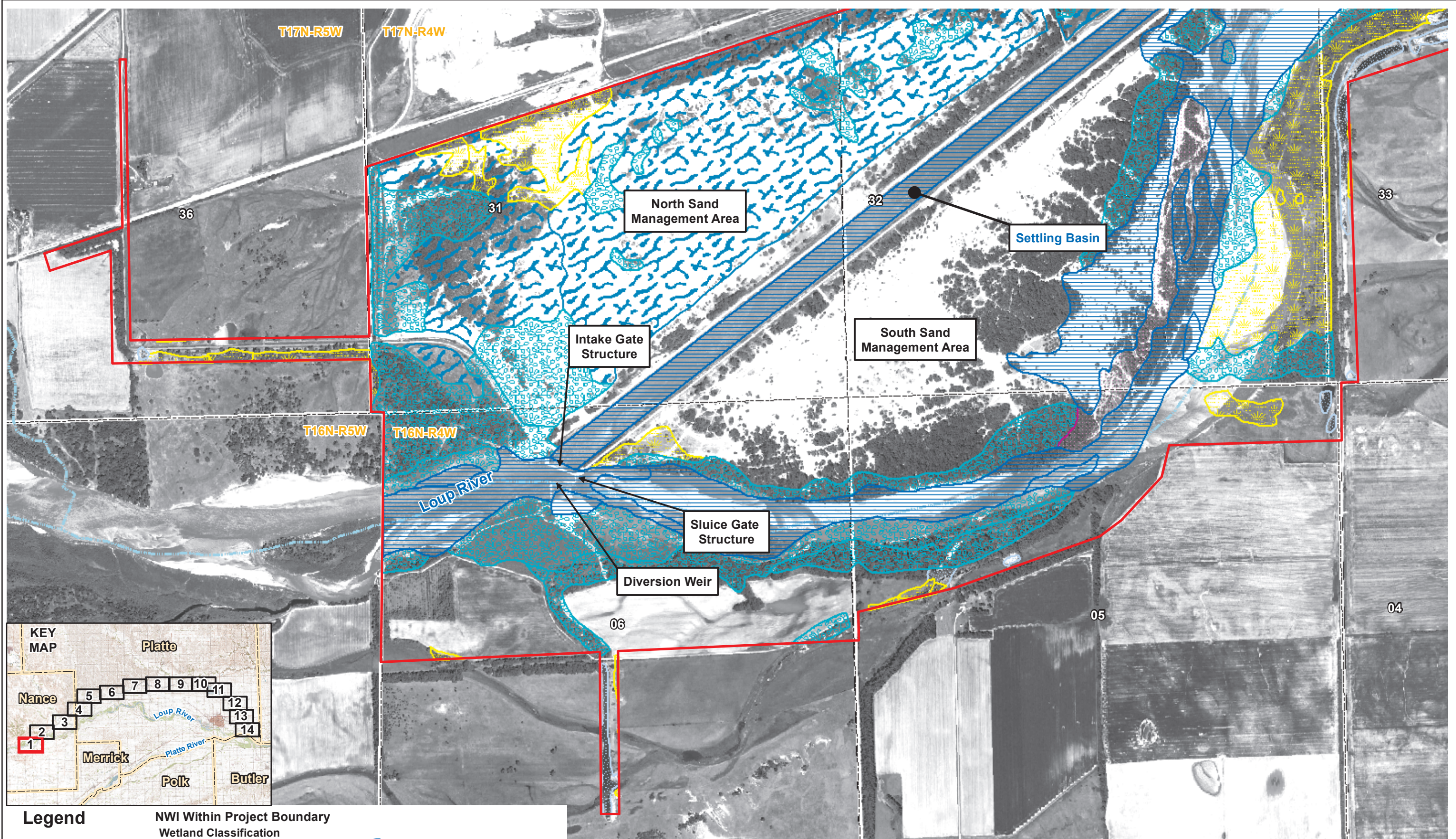
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FIGURE	E-13



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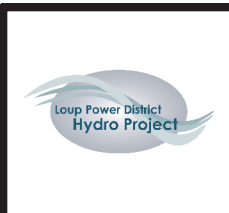


**Legend**

Project Boundary	<b>NWI Within Project Boundary Wetland Classification</b>	Riverine, unconsolidated bottom
Section Line	Palustrine, emergent	Other, unclassified
Corporate Limits	Palustrine, forested/scrub shrub	
County Line	Palustrine, aquatic bed	
Streams/Waterways	Lacustrine, unconsolidated bottom	

0 500 1,000 Feet

Source: National Wetland Inventory (NWI)  
U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey



**Wetlands**

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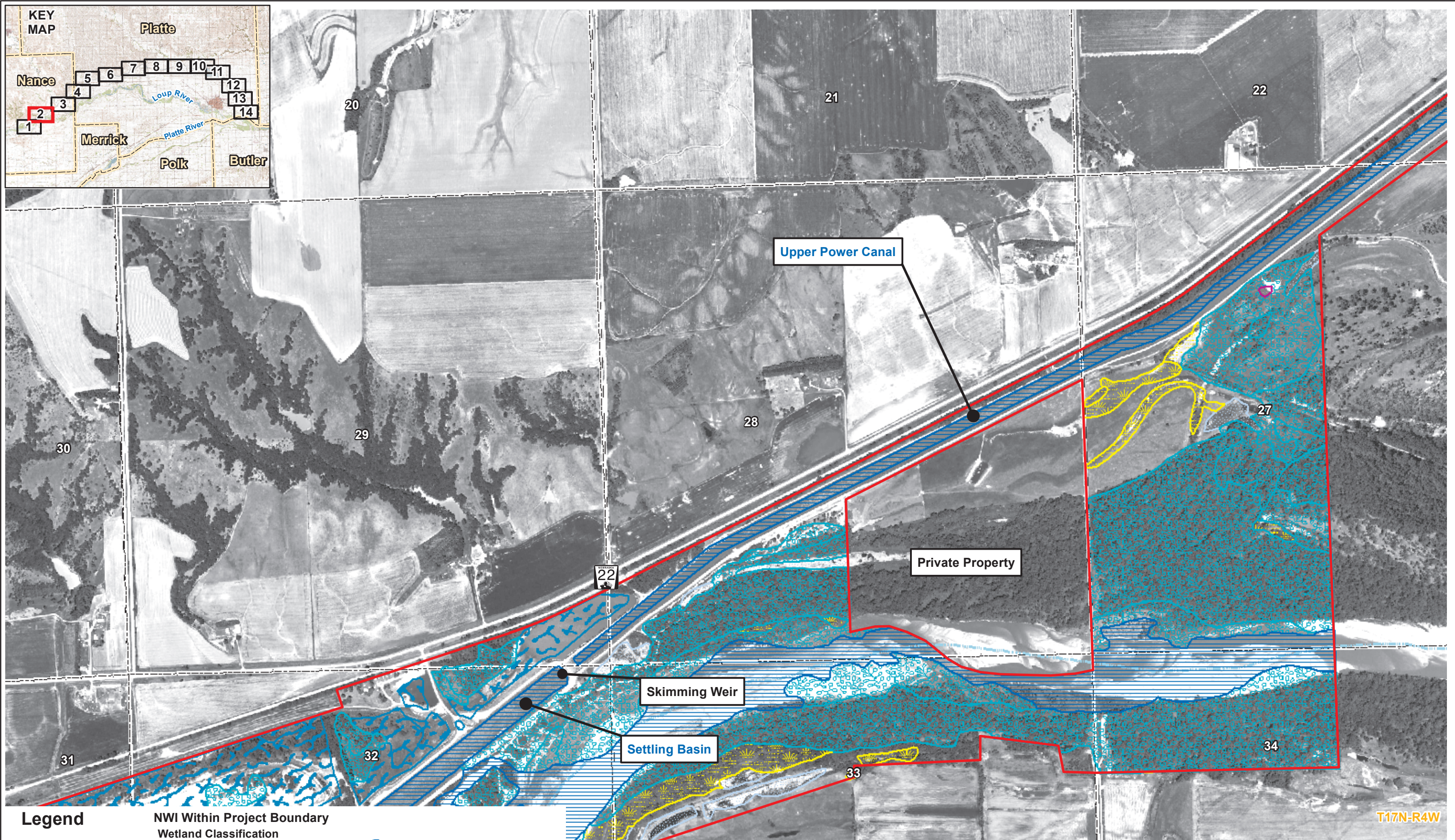
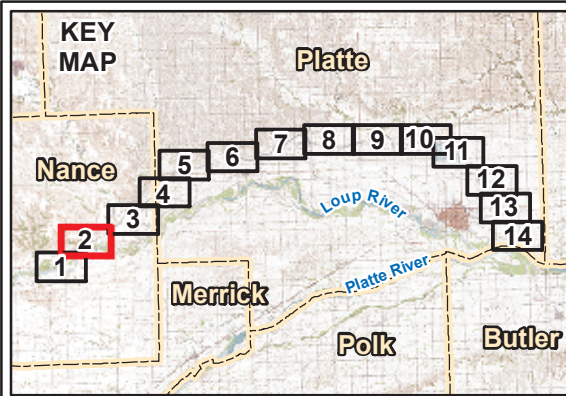
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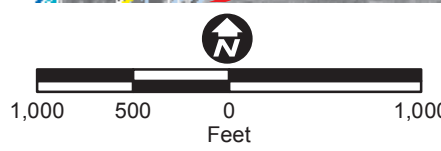
DATE	April 2012
FIGURE	E-15



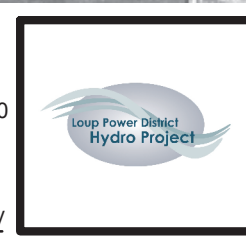
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Legend		NWI Within Project Boundary Wetland Classification	
	Project Boundary		Palustrine, emergent
	Section Line		Palustrine, forested/scrub shrub
	Corporate Limits		Palustrine, aquatic bed
	County Line		Other, unclassified
	Streams/Waterways		Riverine, unconsolidated bottom
			Lacustrine, unconsolidated bottom



Source: National Wetland Inventory (NWI)  
 U.S. Fish & Wildlife Service; Streams, National  
 Hydrography Dataset, 1999, U.S. Geological Survey

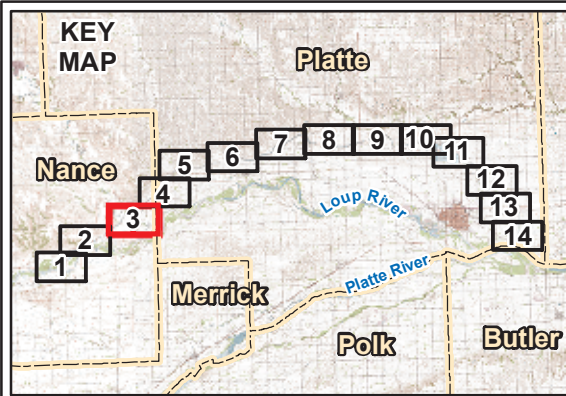


<b>Wetlands</b> Loup River Hydroelectric Project FERC Project No. 1256 Final License Application	Sheet 2 of 14	DATE April 2012
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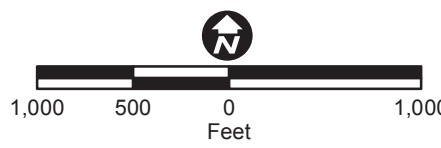
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Legend		NW1 Within Project Boundary Wetland Classification	
	Project Boundary		Palustrine, emergent
	Section Line		Palustrine, forested/scrub shrub
	Corporate Limits		Palustrine, aquatic bed
	County Line		Other, unclassified
	Streams/Waterways		Lacustrine, unconsolidated bottom
			Riverine, unconsolidated bottom



Source: National Wetland Inventory (NWI)  
 U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey



<b>Wetlands</b> Loup River Hydroelectric Project FERC Project No. 1256 Final License Application	Sheet 3 of 14	DATE April 2012
	© 2012 Loup River Public Power District	FIGURE E-15

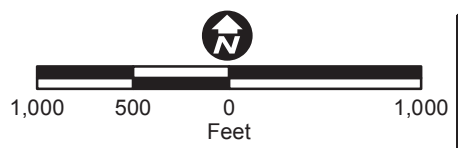


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**Legend**

Project Boundary	<b>NWI Within Project Boundary Wetland Classification</b>	Riverine, unconsolidated bottom
Section Line	Palustrine, emergent	Other, unclassified
Corporate Limits	Palustrine, forested/scrub shrub	
County Line	Palustrine, aquatic bed	
Streams/Waterways	Lacustrine, unconsolidated bottom	



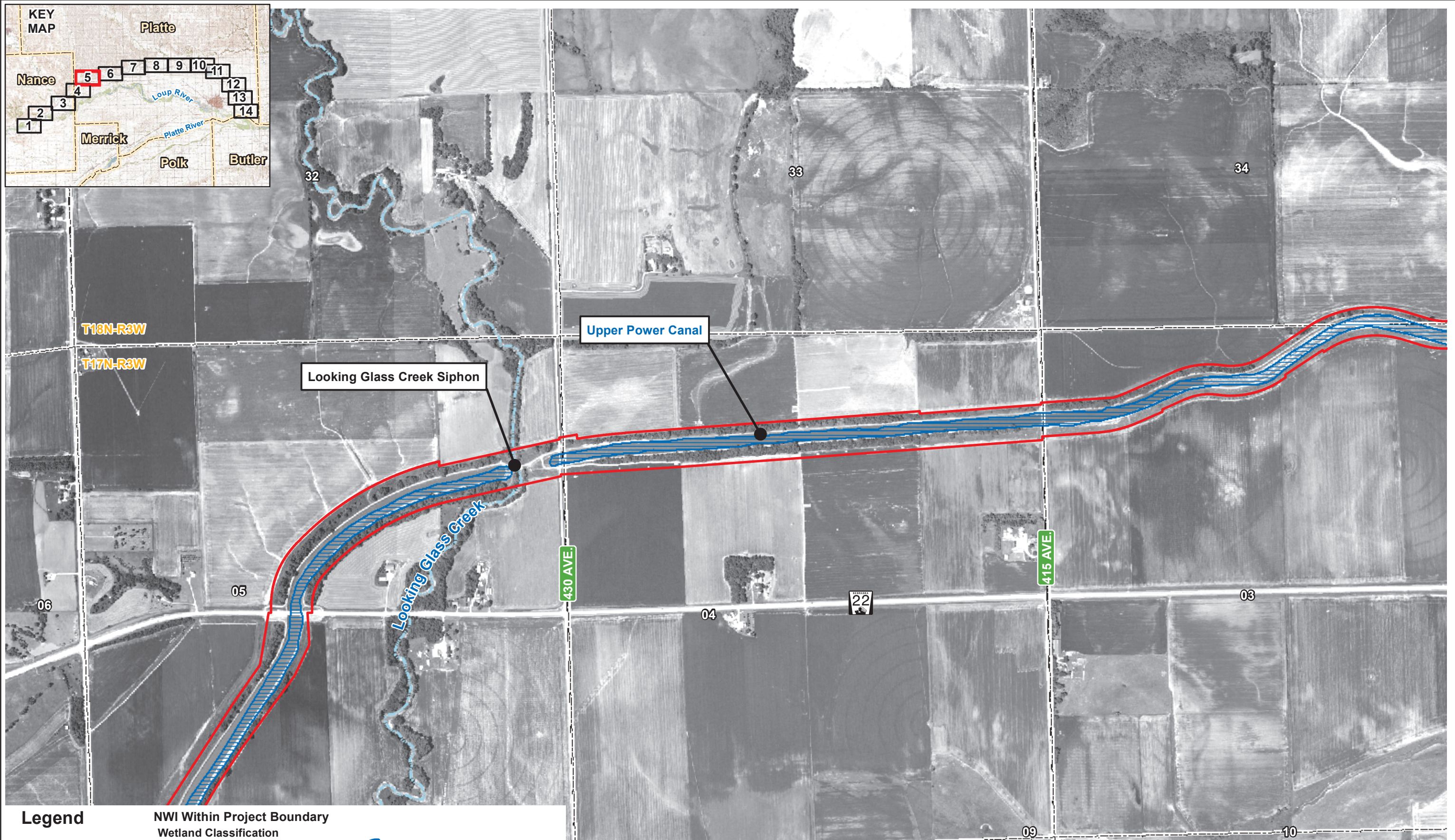
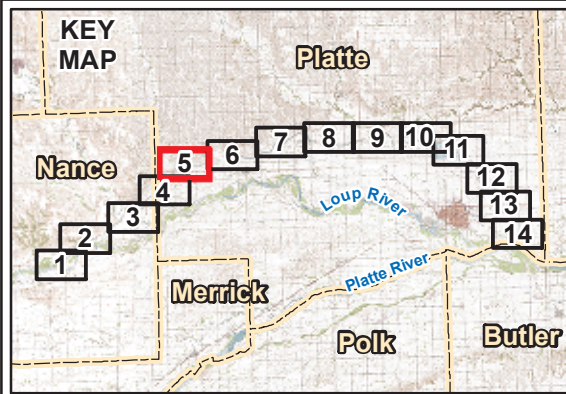
Source: National Wetland Inventory (NWI)  
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 Hydrography Dataset, 1999, U.S. Geological Survey



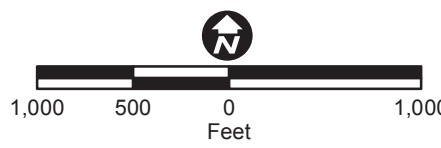
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<b>Legend</b>		
Project Boundary	<b>NWI Within Project Boundary</b>	
Section Line	<b>Wetland Classification</b>	
Corporate Limits	Palustrine, emergent	Riverine, unconsolidated bottom
County Line	Palustrine, forested/scrub shrub	Other, unclassified
Streams/Waterways	Palustrine, aquatic bed	
	Lacustrine, unconsolidated bottom	



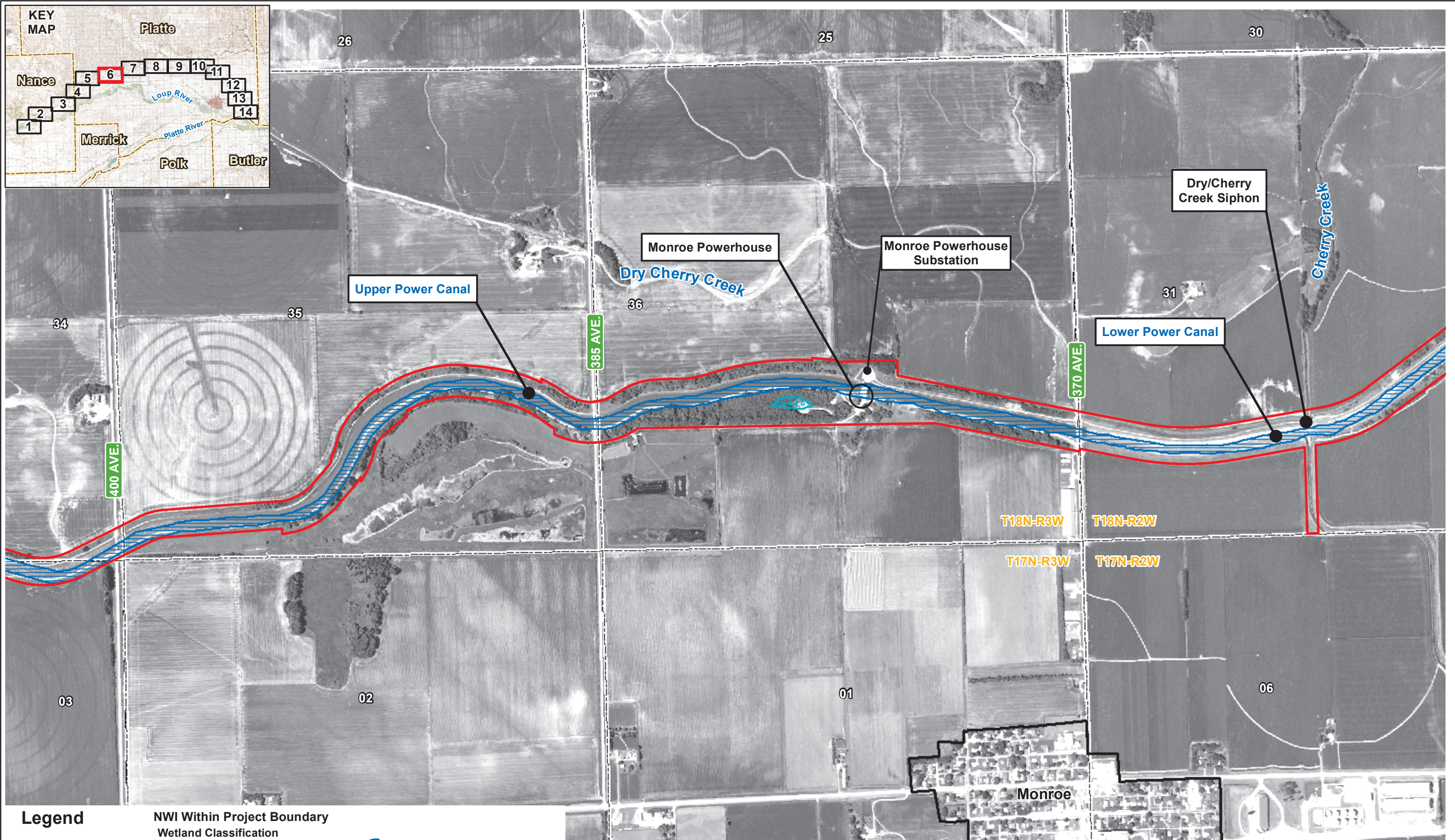
Source: National Wetland Inventory (NWI)  
 U.S. Fish & Wildlife Service; Streams, National  
 Hydrography Dataset, 1999, U.S. Geological Survey



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**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line
- Streams/Waterways

**NWI Within Project Boundary  
Wetland Classification**

- Palustrine, emergent
- Palustrine, forested/scrub shrub
- Palustrine, aquatic bed
- Lacustrine, unconsolidated bottom
- Riverine, unconsolidated bottom
- Other, unclassified

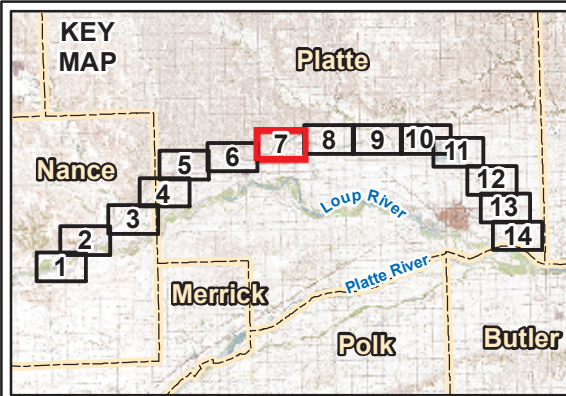
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Hydrography Dataset, 1999, U.S. Geological Survey



<b>Wetlands</b>	Sheet 6 of 14	DATE April 2012
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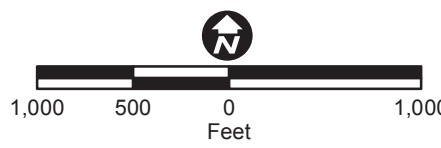


**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line
- Streams/Waterways

**NWI Within Project Boundary Wetland Classification**

- Palustrine, emergent
- Palustrine, forested/scrub shrub
- Palustrine, aquatic bed
- Lacustrine, unconsolidated bottom
- Riverine, unconsolidated bottom
- Other, unclassified



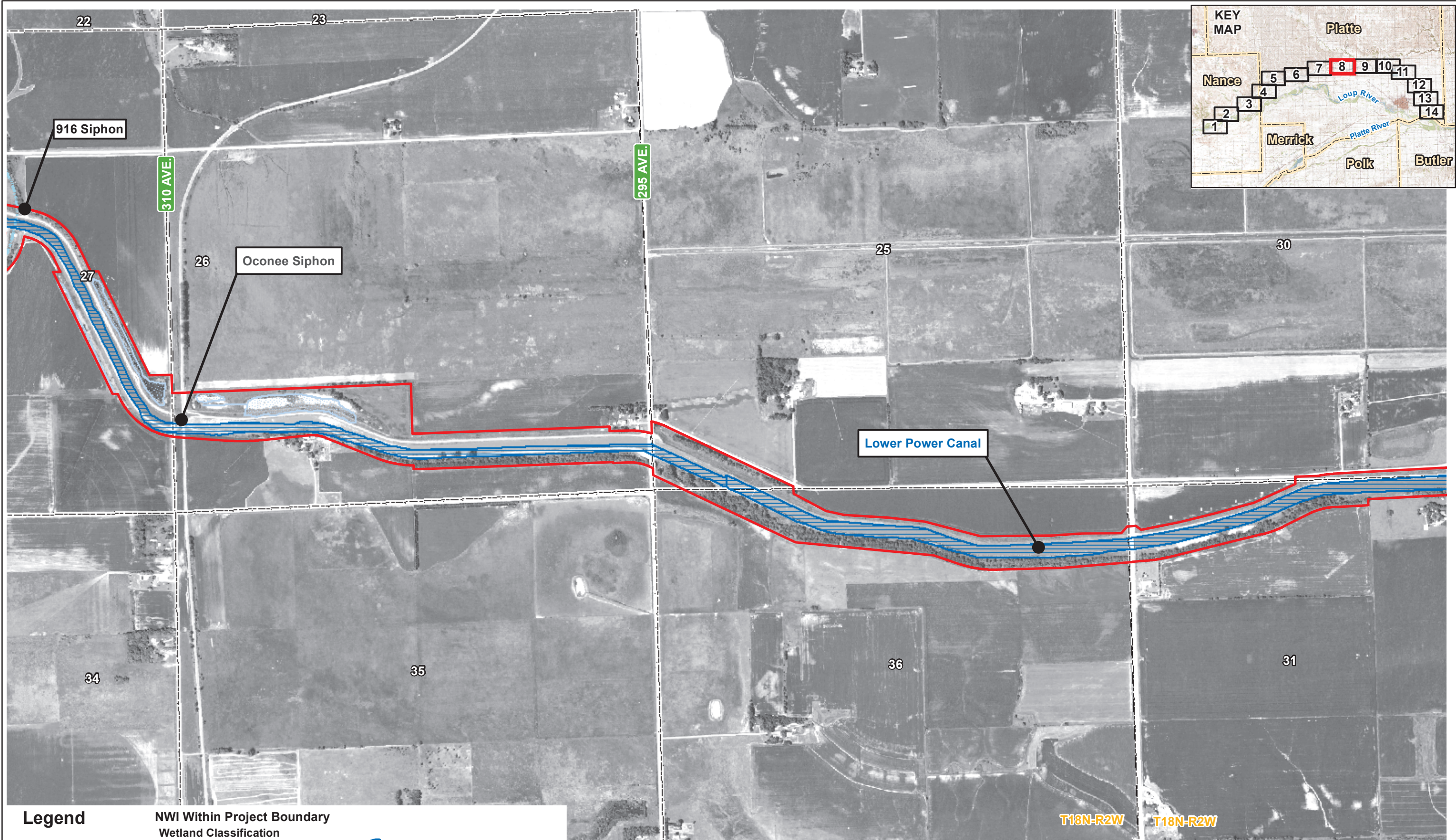
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 Hydrography Dataset, 1999, U.S. Geological Survey



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	<p>FIGURE                  E-15</p>	
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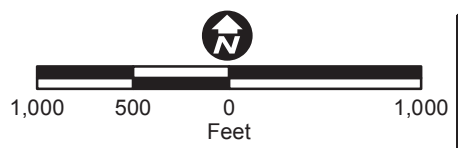


**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line
- Streams/Waterways

**NWI Within Project Boundary Wetland Classification**

- Palustrine, emergent
- Palustrine, forested/scrub shrub
- Palustrine, aquatic bed
- Lacustrine, unconsolidated bottom
- Riverine, unconsolidated bottom
- Other, unclassified



Source: National Wetland Inventory (NWI) U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey



**Wetlands**

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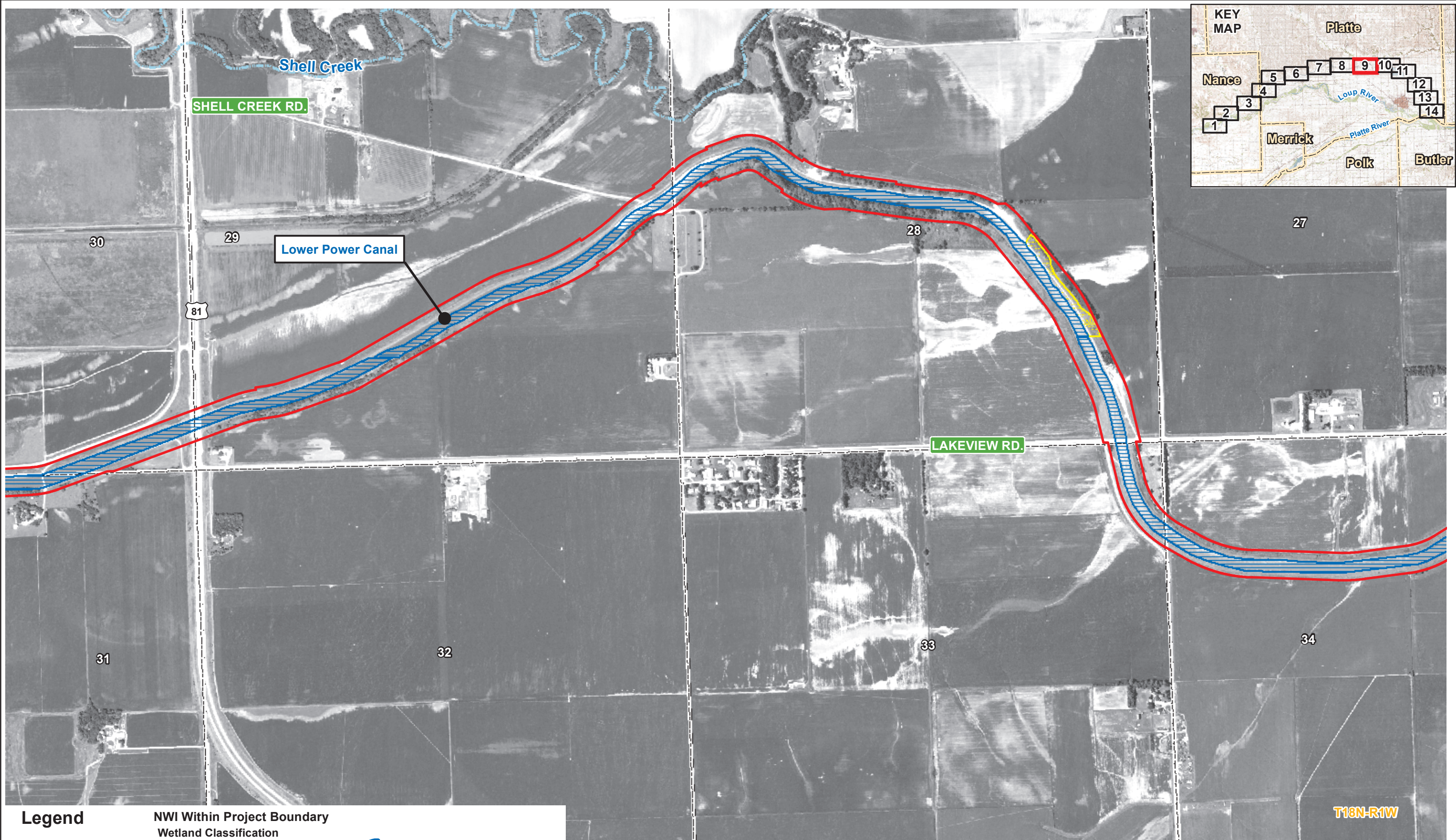
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FIGURE  
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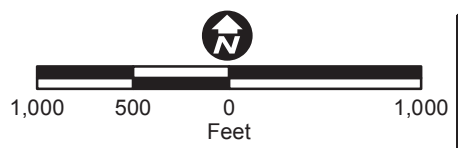


**Legend**

- Project Boundary
- Section Line
- Corporate Limits
- County Line
- Streams/Waterways

**NWI Within Project Boundary Wetland Classification**

- Palustrine, emergent
- Palustrine, forested/scrub shrub
- Palustrine, aquatic bed
- Lacustrine, unconsolidated bottom
- Riverine, unconsolidated bottom
- Other, unclassified



Source: National Wetland Inventory (NWI) U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey



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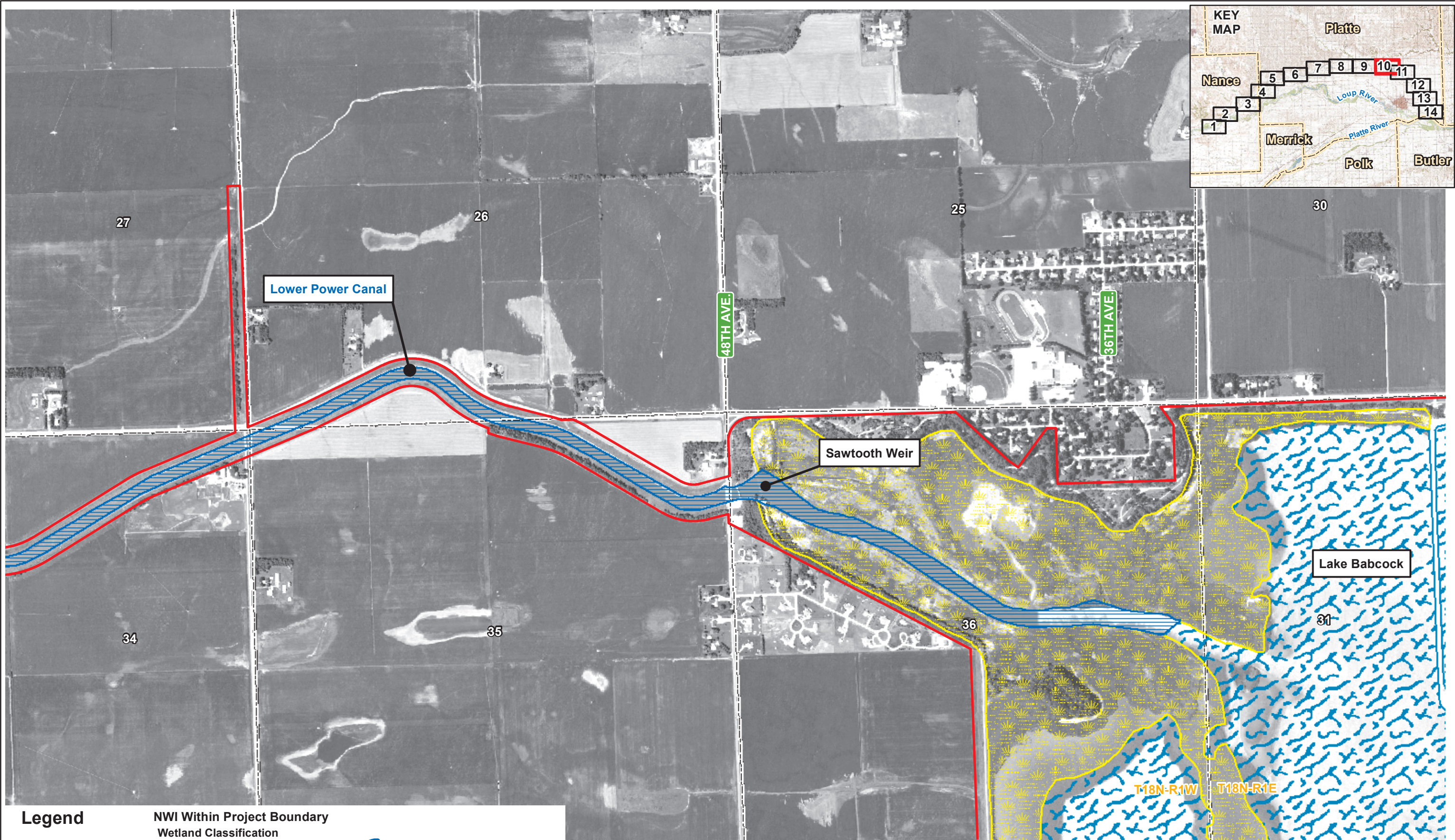
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FIGURE  
E-15

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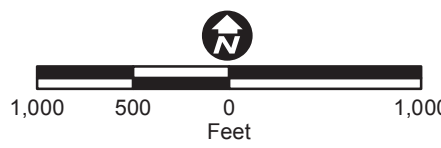


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**Legend**

Project Boundary	<b>NWI Within Project Boundary</b>	Riverine, unconsolidated bottom
Section Line	<b>Wetland Classification</b>	Other, unclassified
Corporate Limits	Palustrine, emergent	Palustrine, forested/scrub shrub
County Line	Palustrine, aquatic bed	Lacustrine, unconsolidated bottom
Streams/Waterways		



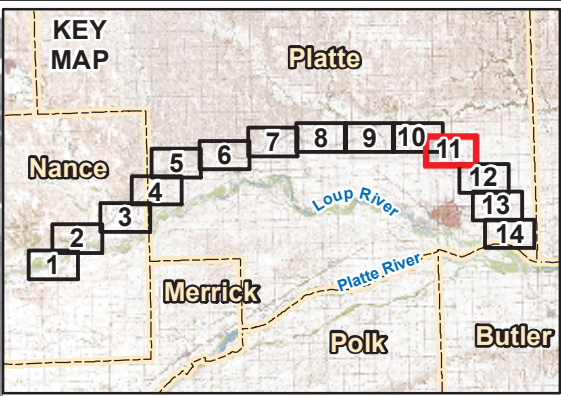
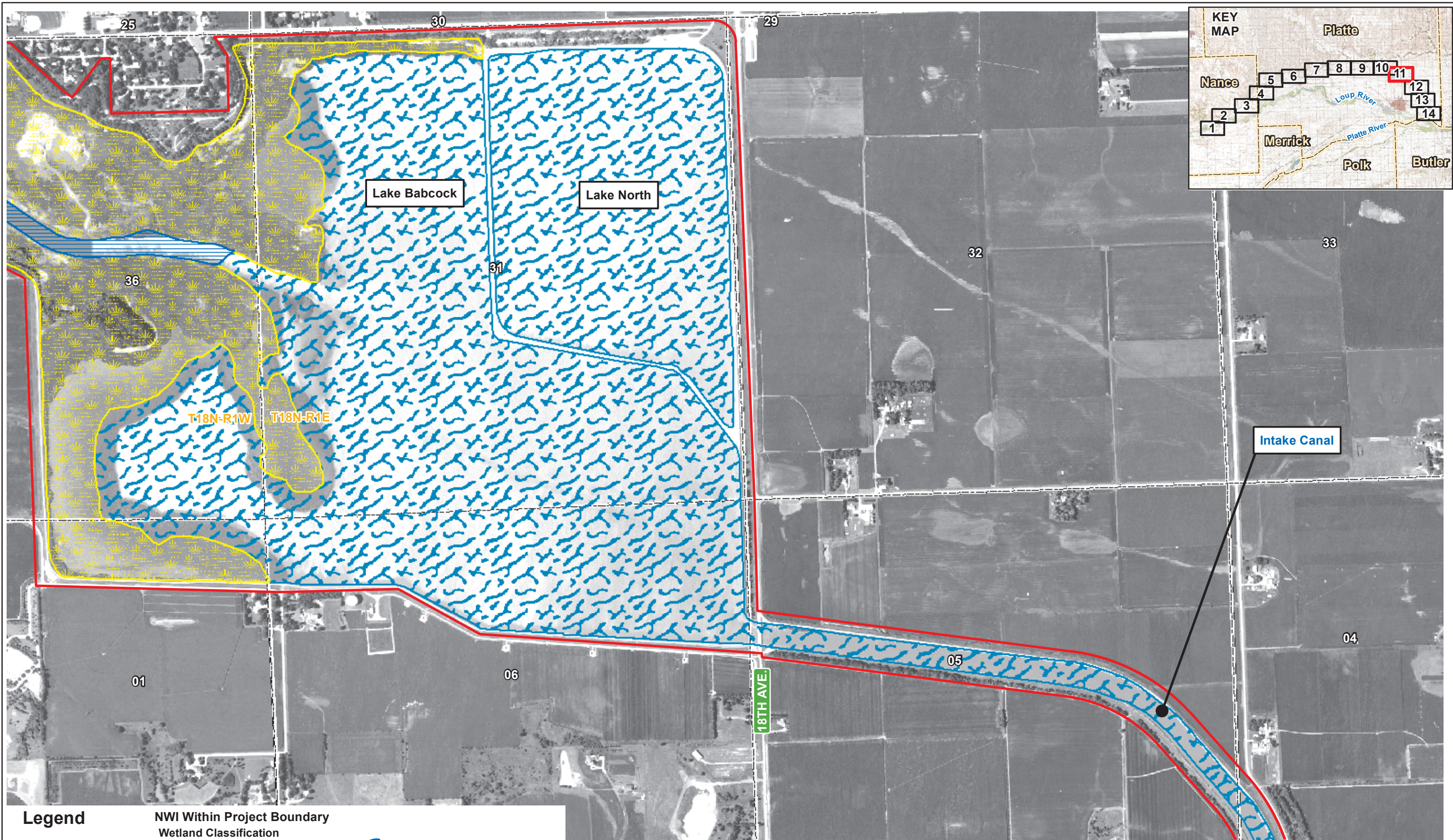
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 Hydrography Dataset, 1999, U.S. Geological Survey



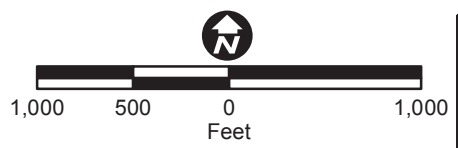
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	<p>© 2012 Loup River Public Power District</p>	<p>FIGURE</p> <p>E-15</p>



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Legend		NWI Within Project Boundary Wetland Classification	
	Project Boundary		Palustrine, emergent
	Section Line		Palustrine, forested/scrub shrub
	Corporate Limits		Palustrine, aquatic bed
	County Line		Lacustrine, unconsolidated bottom
	Streams/Waterways		Other, unclassified
			Riverine, unconsolidated bottom



Source: National Wetland Inventory (NWI) U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey



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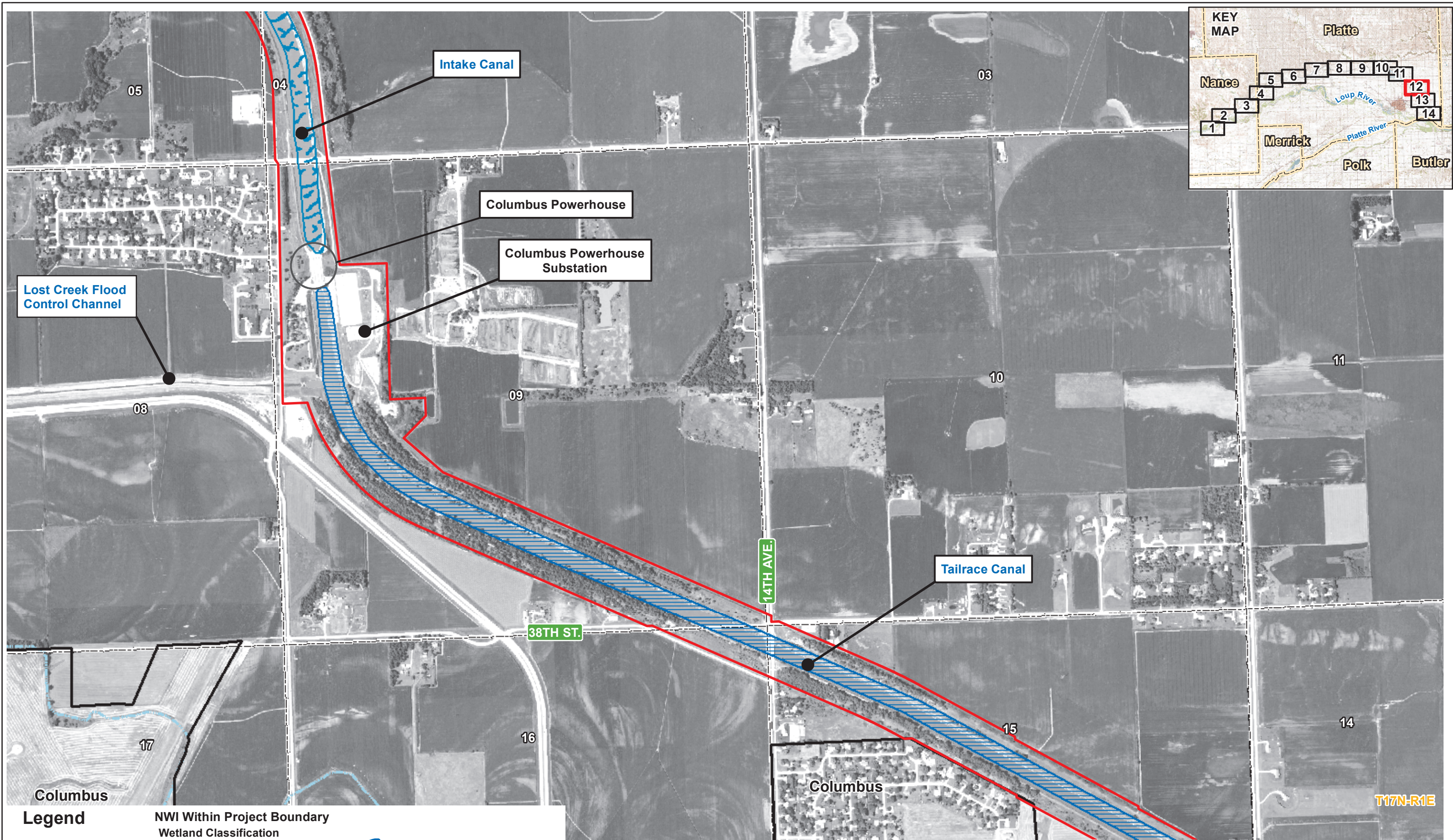
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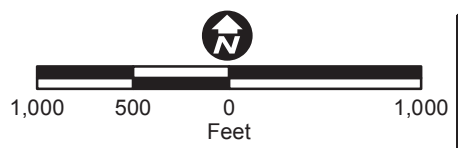


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**Legend**

Project Boundary	<b>NWI Within Project Boundary Wetland Classification</b>	Riverine, unconsolidated bottom
Section Line	Palustrine, emergent	Other, unclassified
Corporate Limits	Palustrine, forested/scrub shrub	
County Line	Palustrine, aquatic bed	
Streams/Waterways	Lacustrine, unconsolidated bottom	



Source: National Wetland Inventory (NWI)  
 U.S. Fish & Wildlife Service; Streams, National Hydrography Dataset, 1999, U.S. Geological Survey

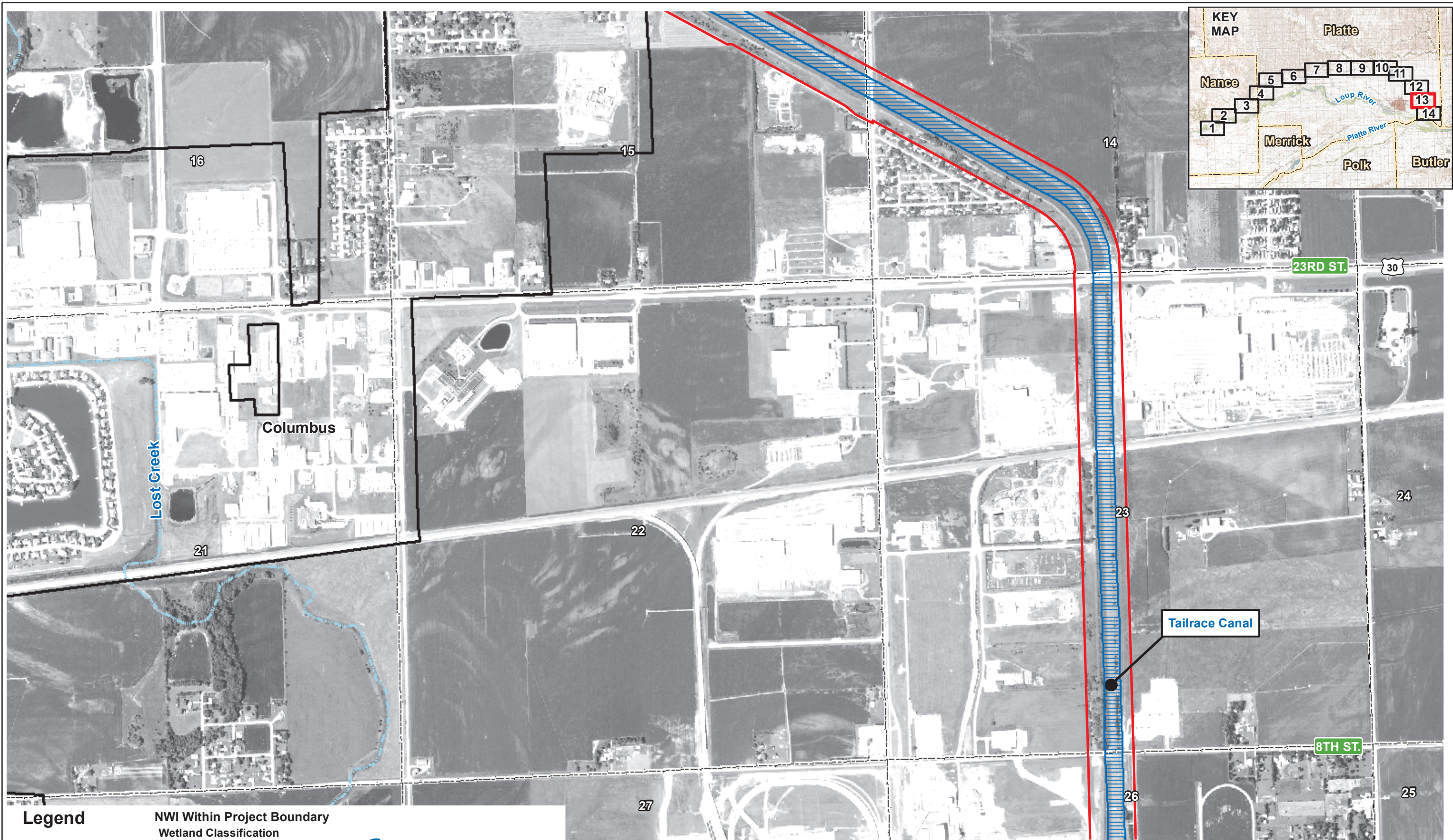


<p><b>Wetlands</b></p> <p>Loup River Hydroelectric Project                  FERC Project No. 1256                  Final License Application</p>	<p>Sheet 12 of 14</p>	<p>DATE                  April 2012</p>
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T17N-R1E

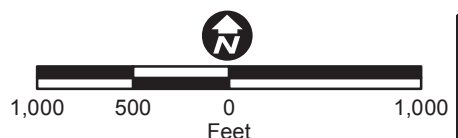


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**Legend**

Project Boundary	<b>NWI Within Project Boundary</b>	Riverine, unconsolidated bottom
Section Line	<b>Wetland Classification</b>	Other, unclassified
Corporate Limits	Palustrine, emergent	Palustrine, forested/scrub shrub
County Line	Palustrine, aquatic bed	Lacustrine, unconsolidated bottom
Streams/Waterways		

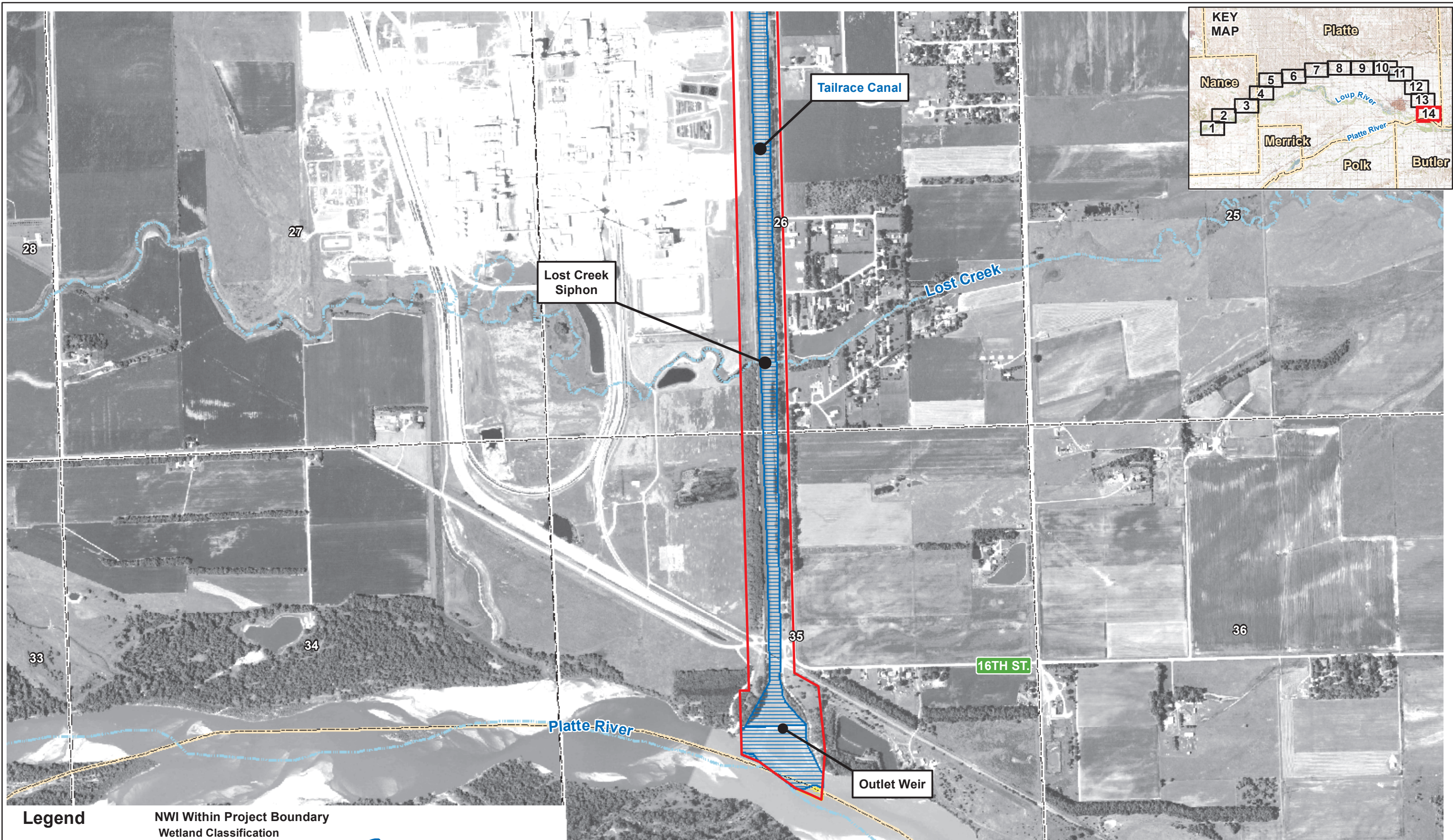


Source: National Wetland Inventory (NWI)  
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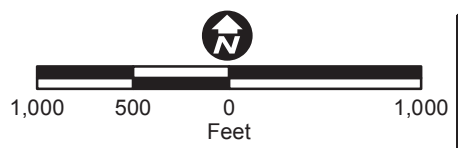
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	<p>© 2012 Loup River Public Power District</p>	<p>FIGURE                  E-15</p>





**Legend**

Project Boundary	<b>NWI Within Project Boundary</b>	Riverine, unconsolidated bottom
Section Line	<b>Wetland Classification</b>	Other, unclassified
Corporate Limits	Palustrine, emergent	Palustrine, forested/scrub shrub
County Line	Palustrine, aquatic bed	Lacustrine, unconsolidated bottom
Streams/Waterways		

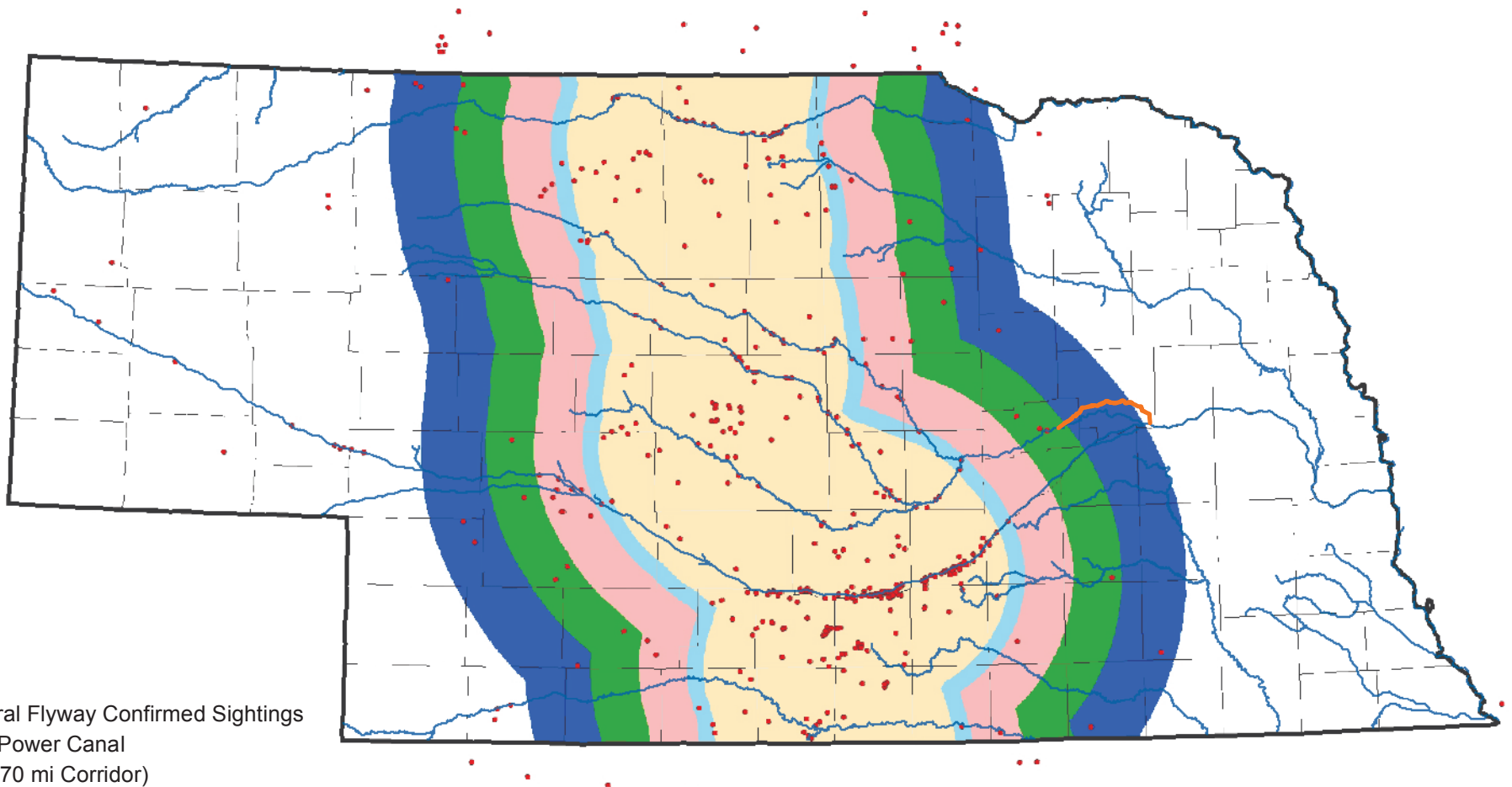


Source: National Wetland Inventory (NWI)  
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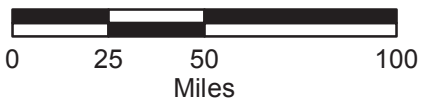
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**Legend**

- Central Flyway Confirmed Sightings
- Loup Power Canal
- 75% (70 mi Corridor)
- 80% (80 mi Corridor)
- 85% (110 mi Corridor)
- 90% (140 mi Corridor)
- 95% (180 mi Corridor)



Source: USFWS. Undated.  
Nebraska Whooping Crane Migration Corridor.  
Accessed on April 4, 2012.



## Nebraska Whooping Crane Migration Corridor

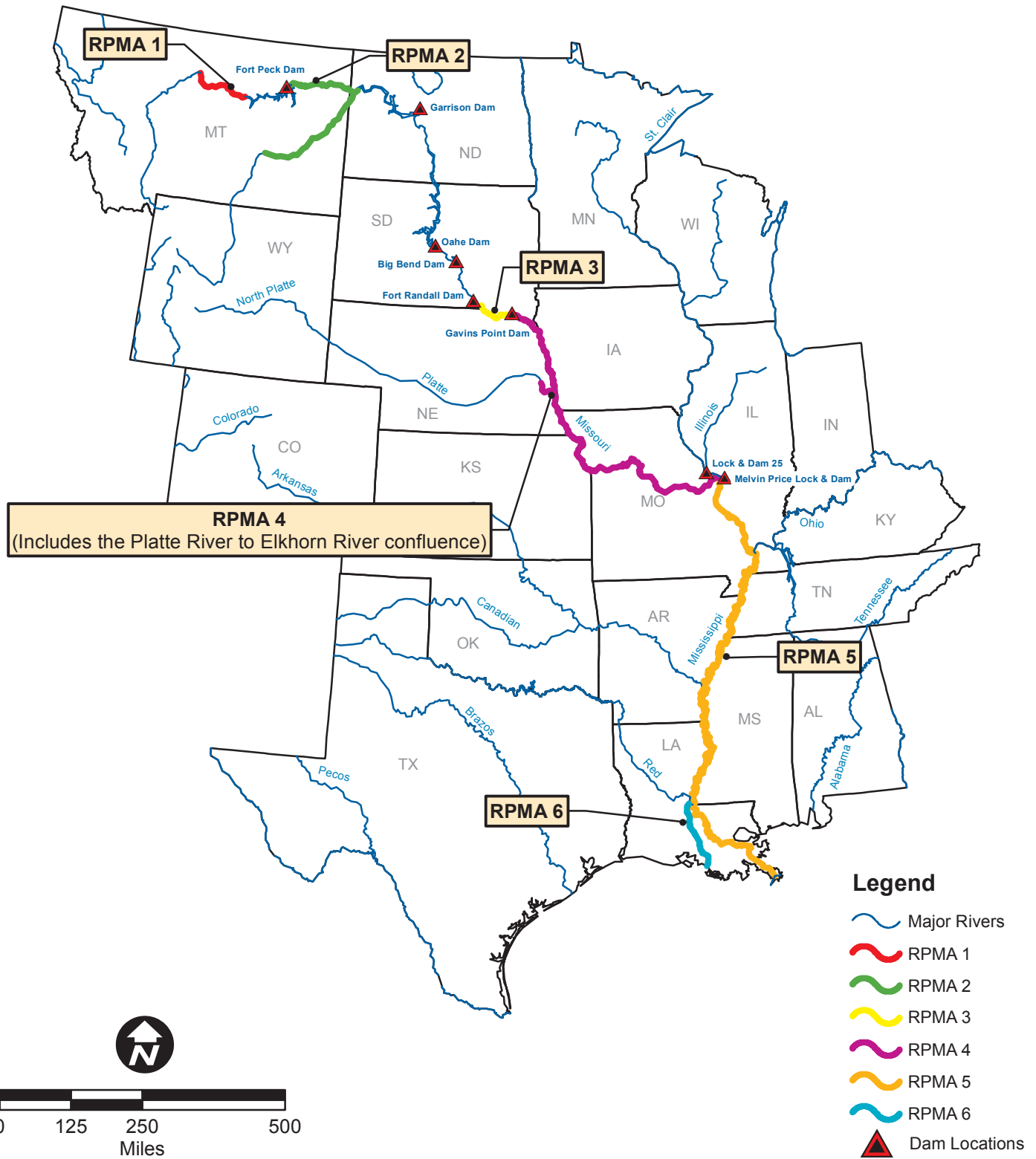
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FIGURE	E-15A



"Z:\Projects\Loup\_Power\_District\37104\_LPD\_FERC\_Relicensing\map\_docs\mxd\license\_Application\FIG\_E15B\_Figure\_Pallid\_Sturgeon\_Recovery\_Priority\_Areas.mxd\_RM"



## Pallid Sturgeon Recovery Priority Management Areas

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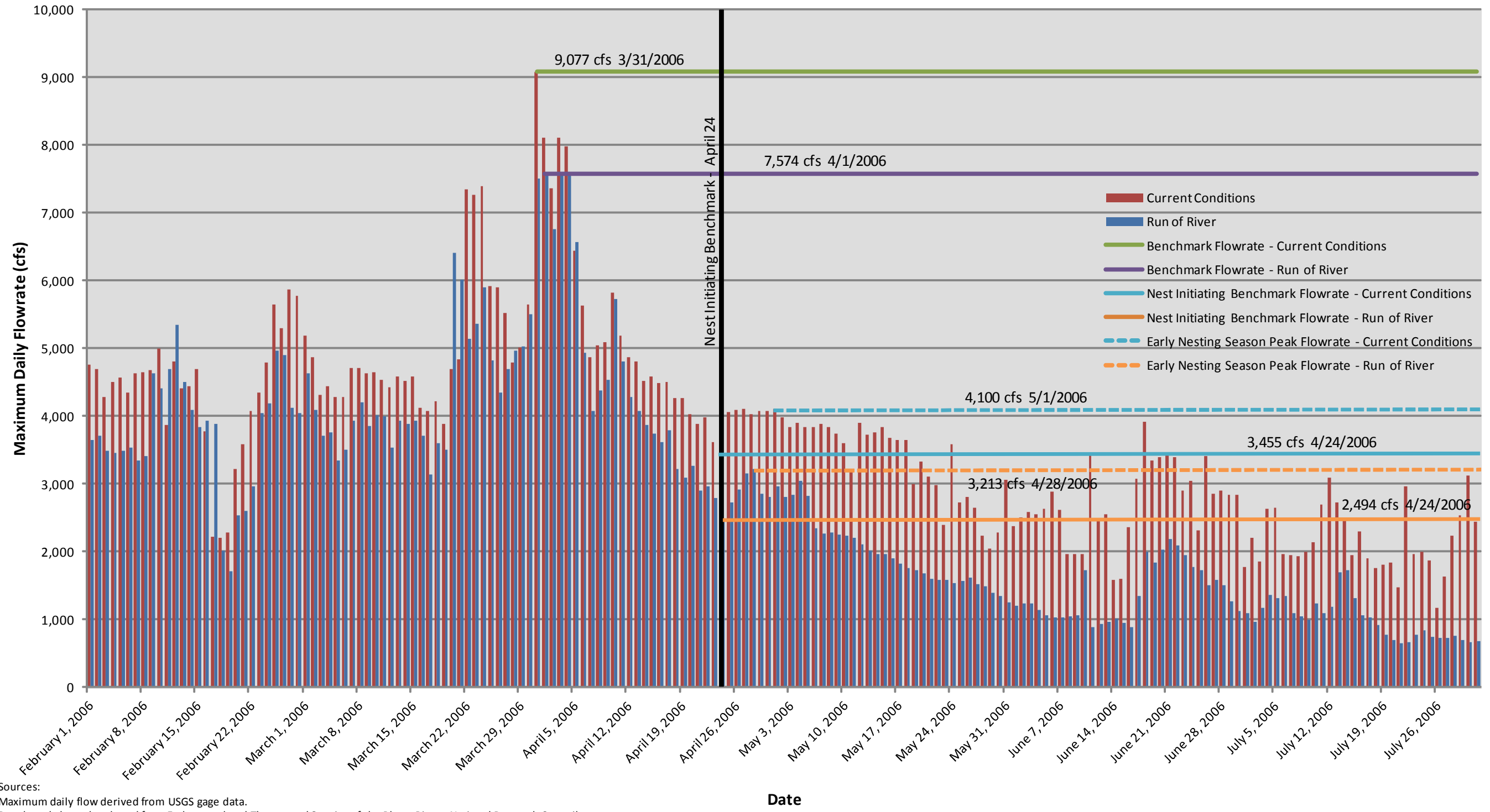
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 April 2012

FIGURE  
 E-15B



# Comparison of Benchmark Flows Site 4, Downstream of Tailrace (RM99) Piping Plover 2006



Sources:  
Maximum daily flow derived from USGS gage data.  
Benchmark dates developed from Endangered and Threatened Species of the Platte River. National Research Council.

Path: Z:\Projects\Loup\_Power\_District\37104\_LPD\_FERC\_Relicensing\map\_docs\mxd\License\_Application\FIG\_15C\_Figure\_Compare\_Benchmark\_Flows\_Table.mxd



**Comparison of Benchmark Flows, Site 4, 2006**

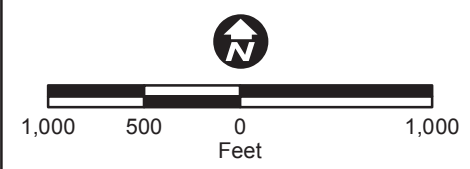
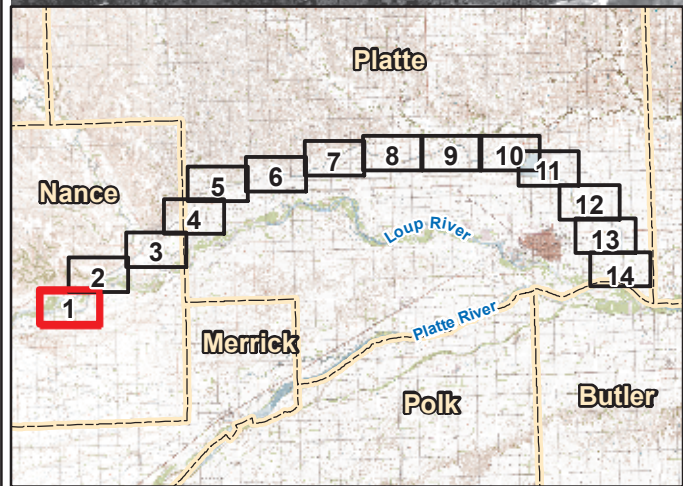
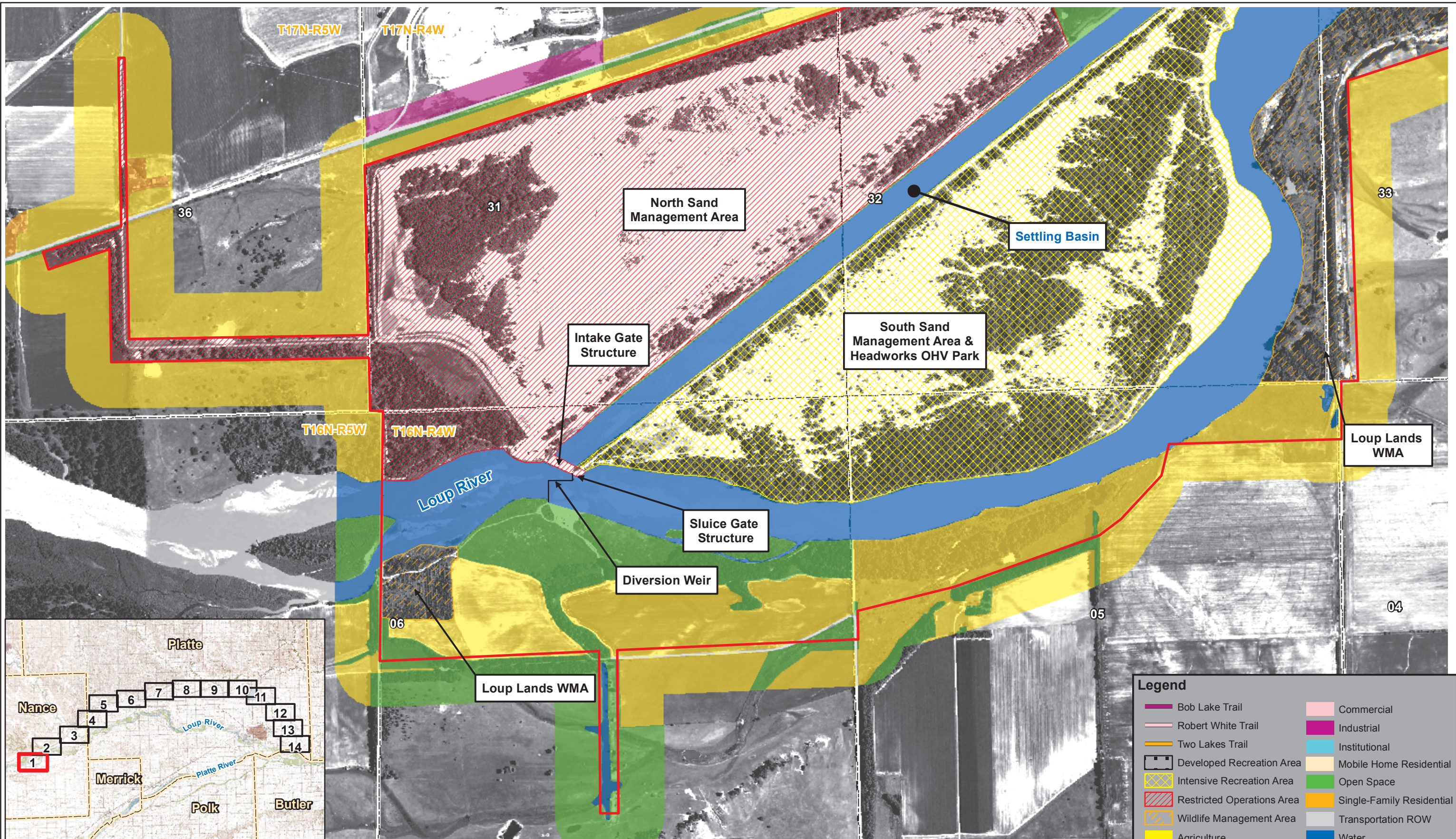
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FERC Project No. 1256  
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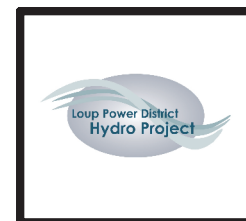
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FIGURE	E-15C



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- Legend**
- Project Boundary
  - Corporate Limits
  - County Line
  - Section Line



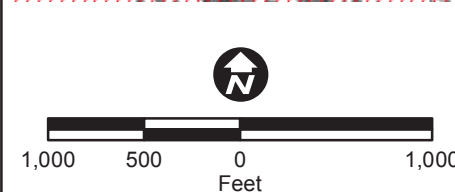
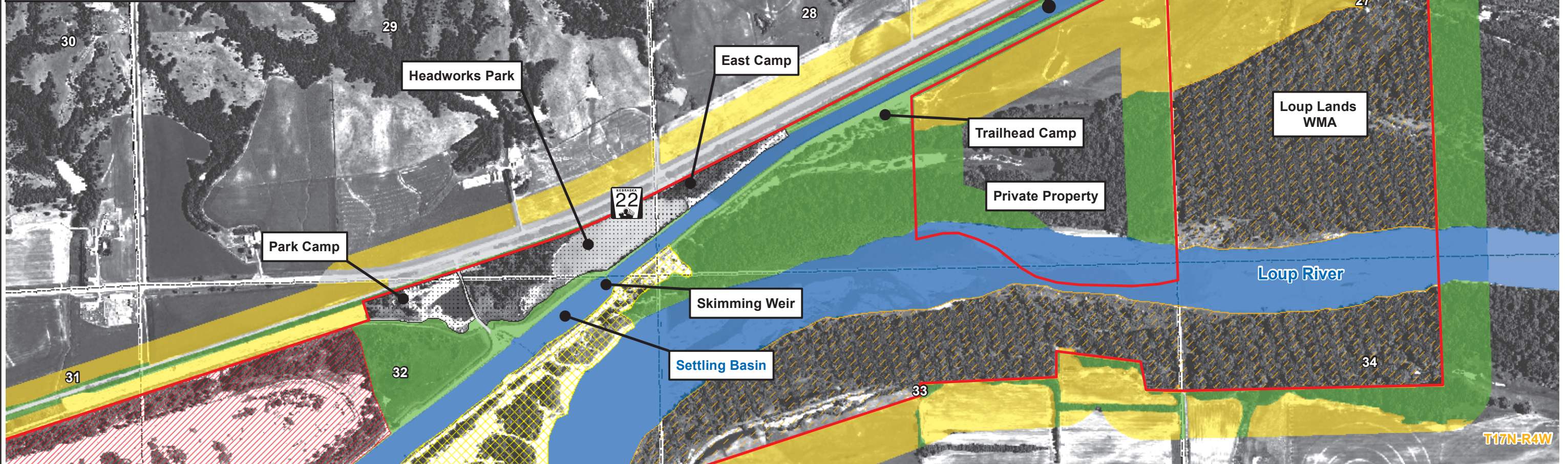
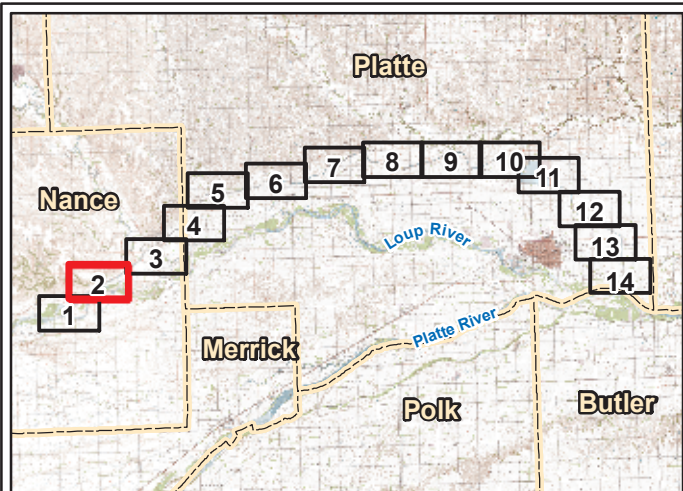
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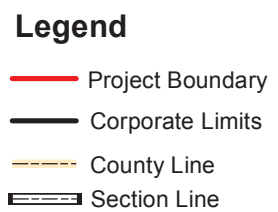
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| <span style="color: magenta;">—</span> Robert White Trail   | <span style="background-color: magenta;">  </span> Industrial               |
| <span style="color: orange;">—</span> Two Lakes Trail   | <span style="background-color: cyan;">  </span> Institutional               |
| <span style="border: 1px solid black;">  </span> Developed Recreation Area                                | <span style="background-color: yellow;">  </span> Mobile Home Residential   |
| <span style="background-color: yellow; border: 1px dashed black;">  </span> Intensive Recreation Area     | <span style="background-color: green;">  </span> Open Space                 |
| <span style="background-color: lightpink; border: 1px dashed black;">  </span> Restricted Operations Area | <span style="background-color: orange;">  </span> Single-Family Residential |
| <span style="background-color: yellow; border: 1px dashed black;">  </span> Wildlife Management Area      | <span style="background-color: gray;">  </span> Transportation ROW          |
| <span style="background-color: yellow;">  </span> Agriculture   | <span style="background-color: blue;">  </span> Water                       |



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Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



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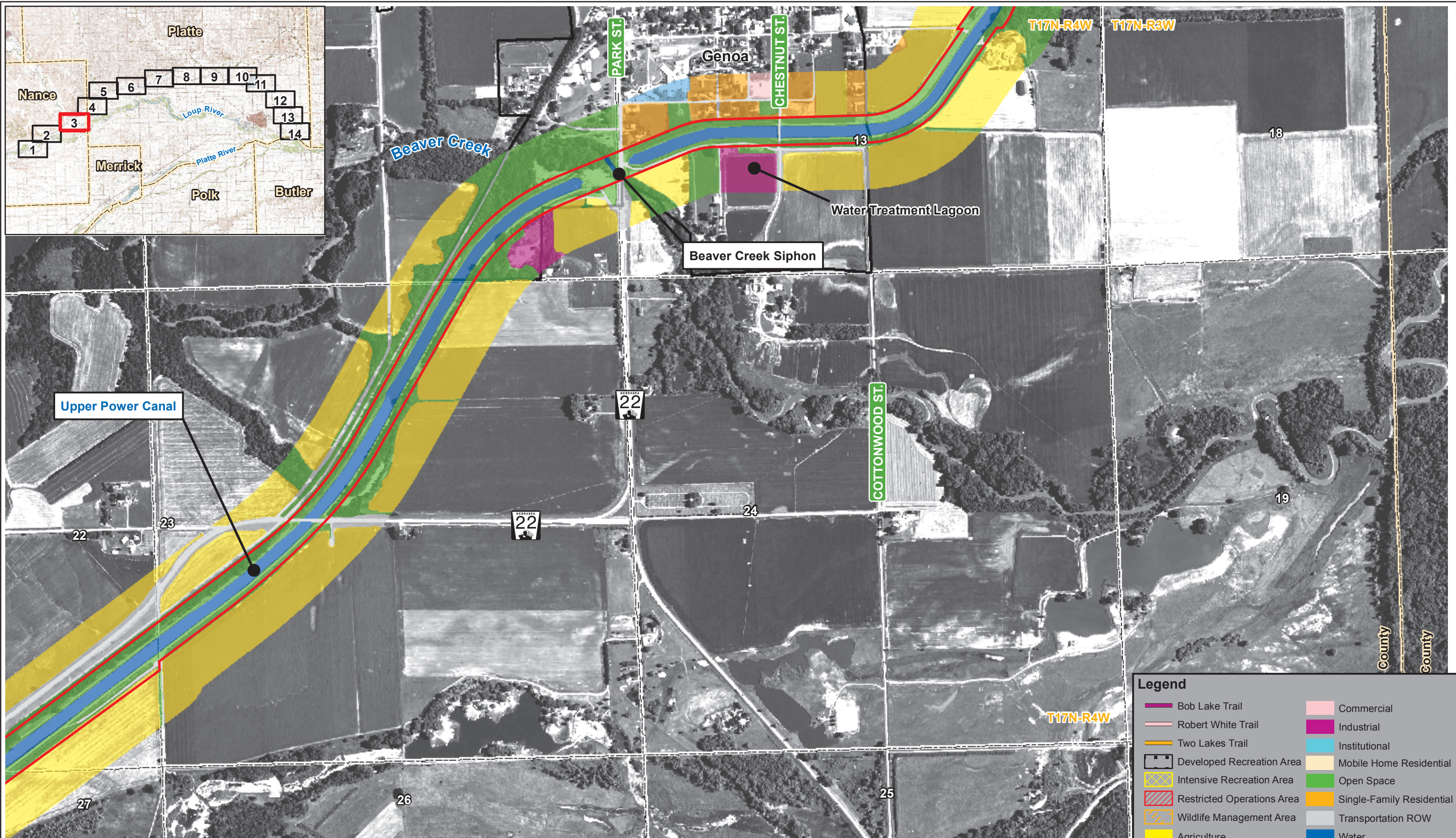
Sheet 2 of 14

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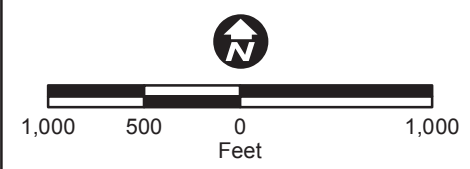
DATE	April 2012
FIGURE	E-17



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Legend			
	Bob Lake Trail		Commercial
	Robert White Trail		Industrial
	Two Lakes Trail		Institutional
	Developed Recreation Area		Mobile Home Residential
	Intensive Recreation Area		Open Space
	Restricted Operations Area		Single-Family Residential
	Wildlife Management Area		Transportation ROW
	Agriculture		Water



Legend	
	Project Boundary
	Corporate Limits
	County Line
	Section Line



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 Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

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DATE	April 2012
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Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

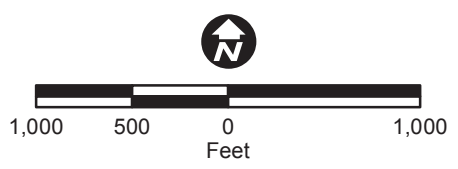
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Legend			
	Bob Lake Trail		Commercial
	Robert White Trail		Industrial
	Two Lakes Trail		Institutional
	Developed Recreation Area		Mobile Home Residential
	Intensive Recreation Area		Open Space
	Restricted Operations Area		Single-Family Residential
	Wildlife Management Area		Transportation ROW
	Agriculture		Water



Legend	
	Project Boundary
	Corporate Limits
	County Line
	Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

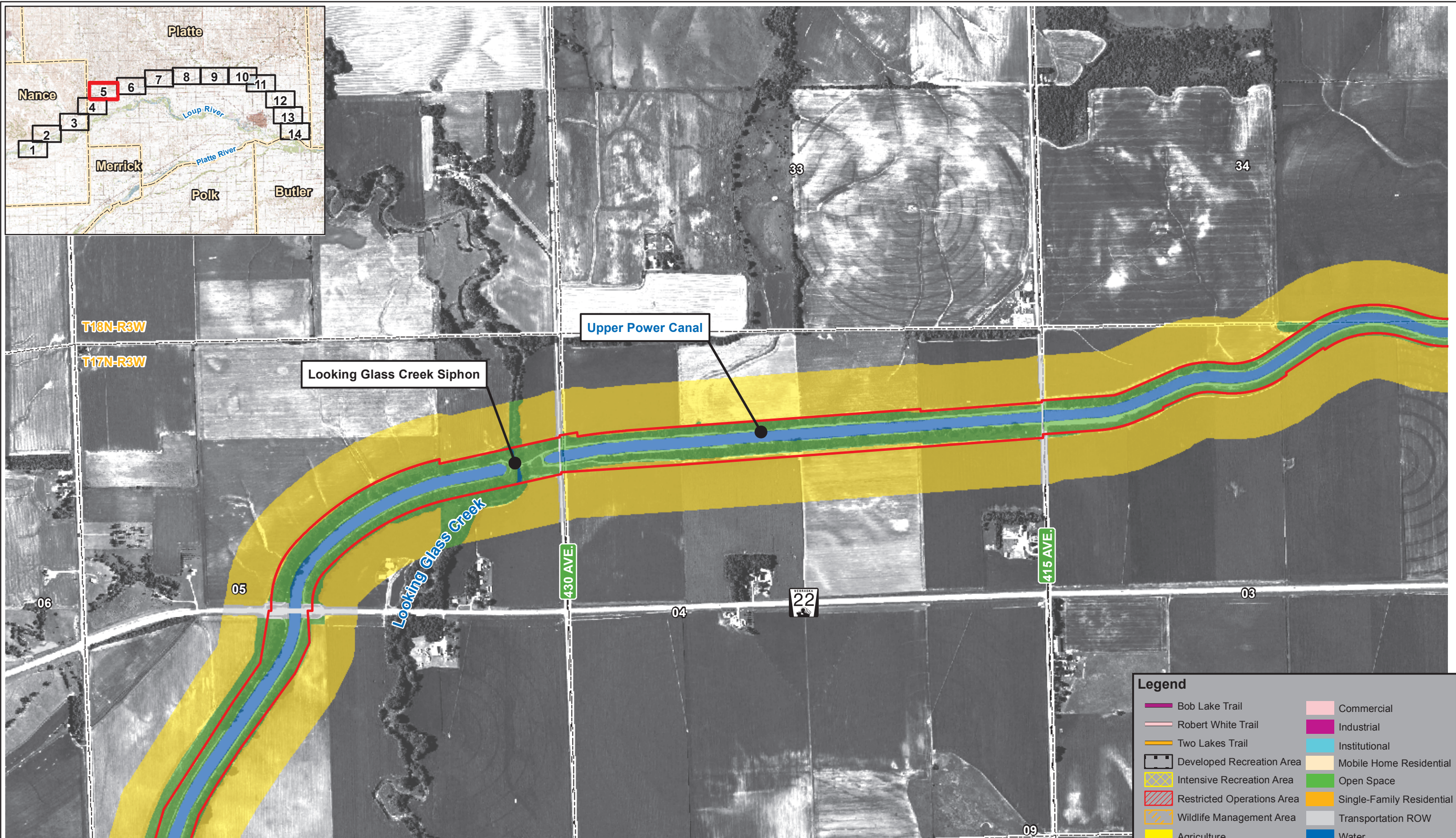
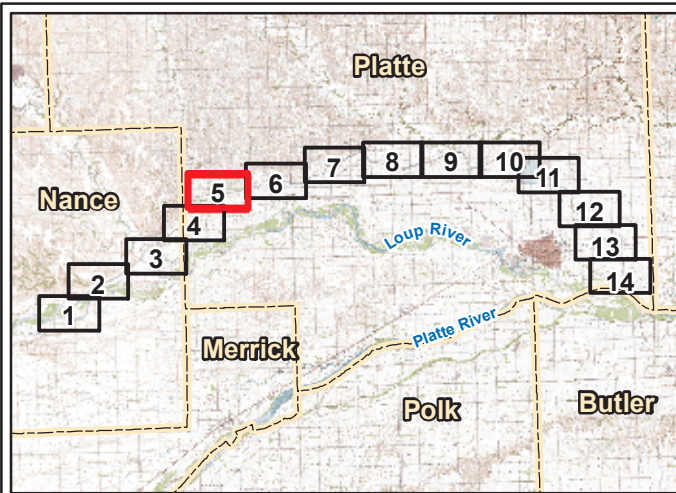
Sheet 4 of 14

DATE	April 2012
FIGURE	E-17

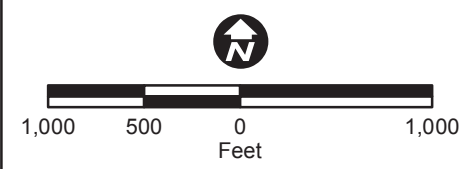
Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



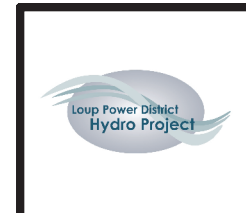
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Legend			
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	Robert White Trail		Industrial
	Two Lakes Trail		Institutional
	Developed Recreation Area		Mobile Home Residential
	Intensive Recreation Area		Open Space
	Restricted Operations Area		Single-Family Residential
	Wildlife Management Area		Transportation ROW
	Agriculture		Water



Legend	
	Project Boundary
	Corporate Limits
	County Line
	Section Line



**Existing Land Use**  
 Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

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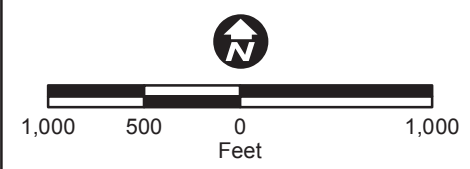
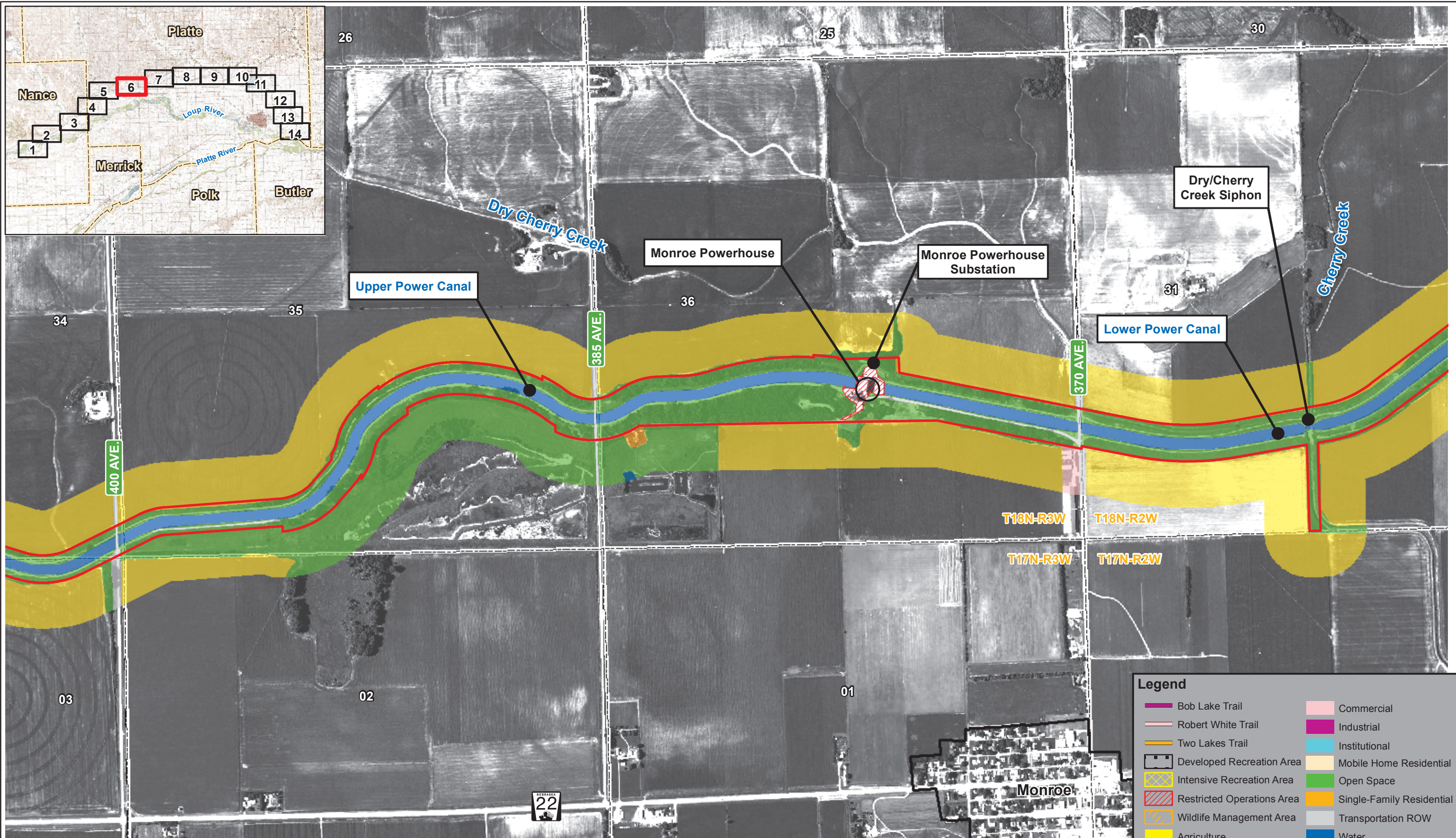
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FIGURE	E-17

Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

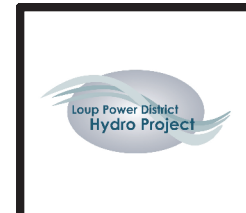
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- Legend**
- Project Boundary
  - Corporate Limits
  - County Line
  - Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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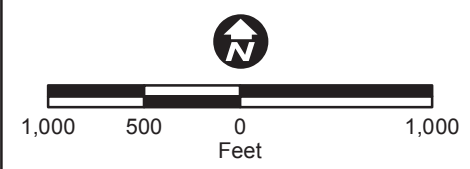
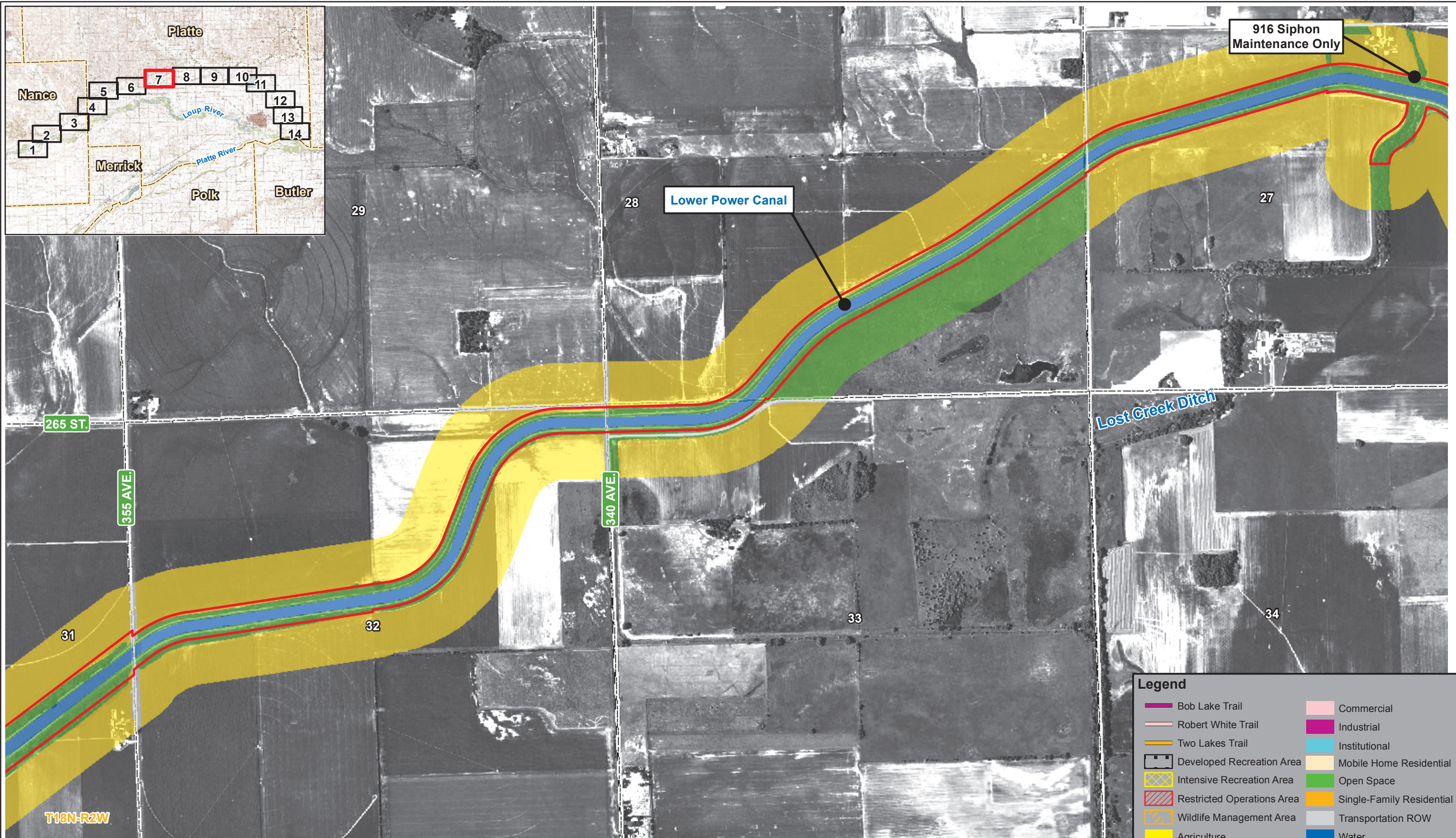
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| <span style="color: orange;">—</span> Two Lakes Trail  | <span style="color: cyan;">—</span> Institutional               |
| <span style="border: 1px solid black;">  </span> Developed Recreation Area                           | <span style="color: yellow;">—</span> Mobile Home Residential   |
| <span style="background-color: yellow; border: 1px solid black;">  </span> Intensive Recreation Area | <span style="color: green;">—</span> Open Space                 |
| <span style="background-color: red; border: 1px solid black;">  </span> Restricted Operations Area   | <span style="color: orange;">—</span> Single-Family Residential |
| <span style="background-color: orange; border: 1px solid black;">  </span> Wildlife Management Area  | <span style="color: gray;">—</span> Transportation ROW          |
| <span style="background-color: yellow;">  </span> Agriculture  | <span style="color: blue;">—</span> Water                       |

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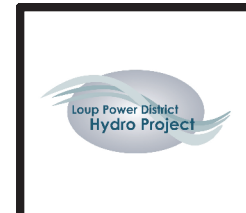
DATE	April 2012
FIGURE	E-17



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- Legend**
- Project Boundary
  - Corporate Limits
  - County Line
  - Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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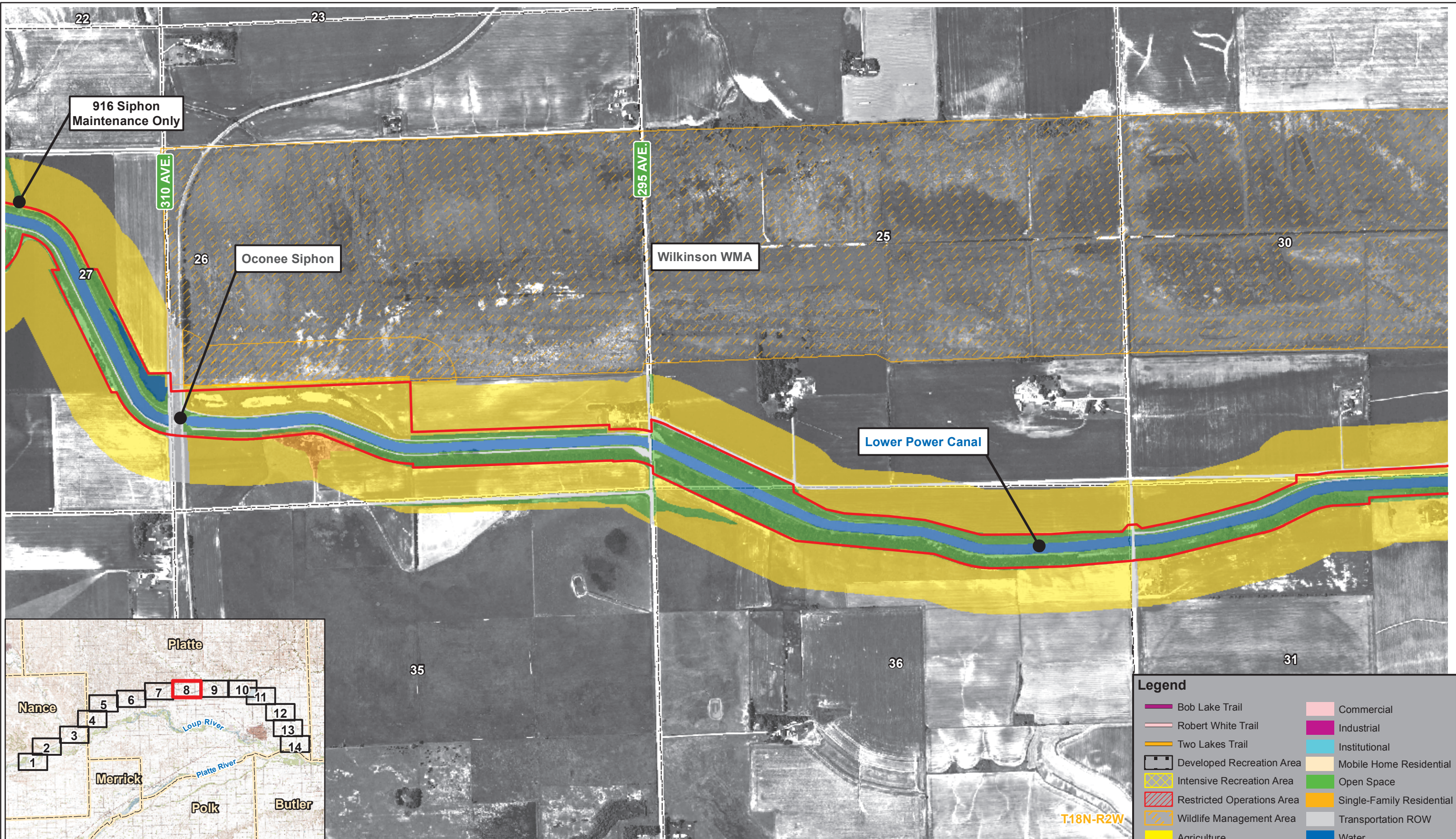
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DATE	April 2012
FIGURE	E-17

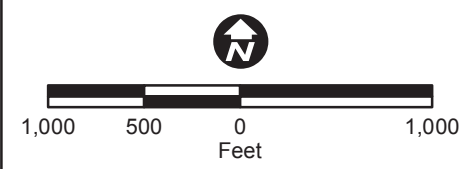
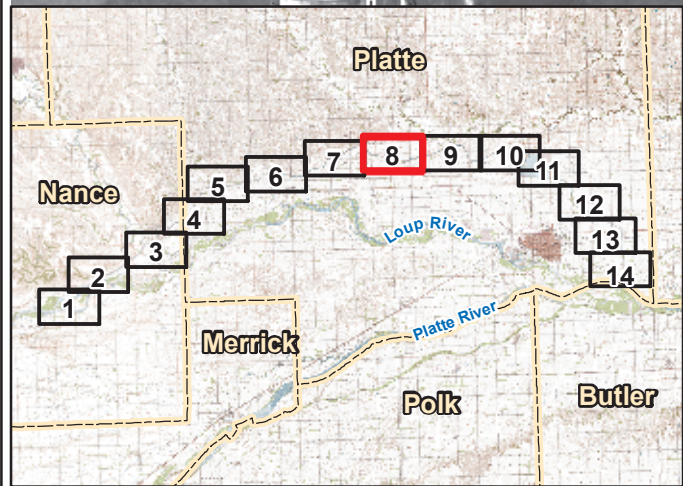
Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



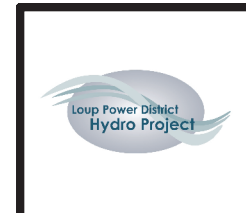
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Legend	
	Commercial
	Industrial
	Institutional
	Mobile Home Residential
	Open Space
	Single-Family Residential
	Transportation ROW
	Water
	Bob Lake Trail
	Robert White Trail
	Two Lakes Trail
	Developed Recreation Area
	Intensive Recreation Area
	Restricted Operations Area
	Wildlife Management Area
	Agriculture



Legend	
	Project Boundary
	Corporate Limits
	County Line
	Section Line



**Existing Land Use**

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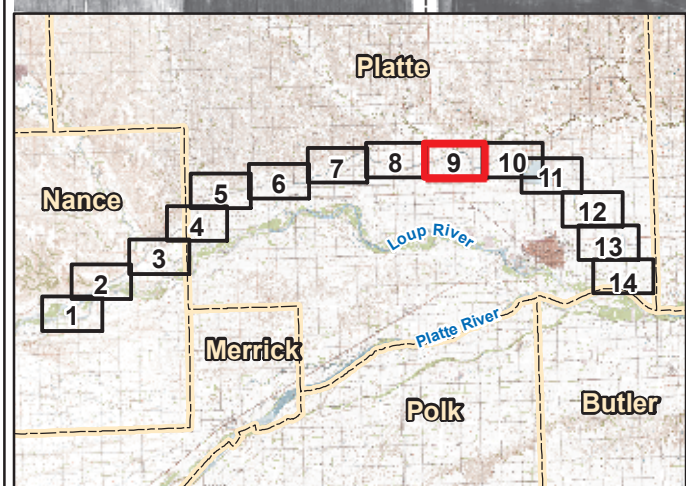
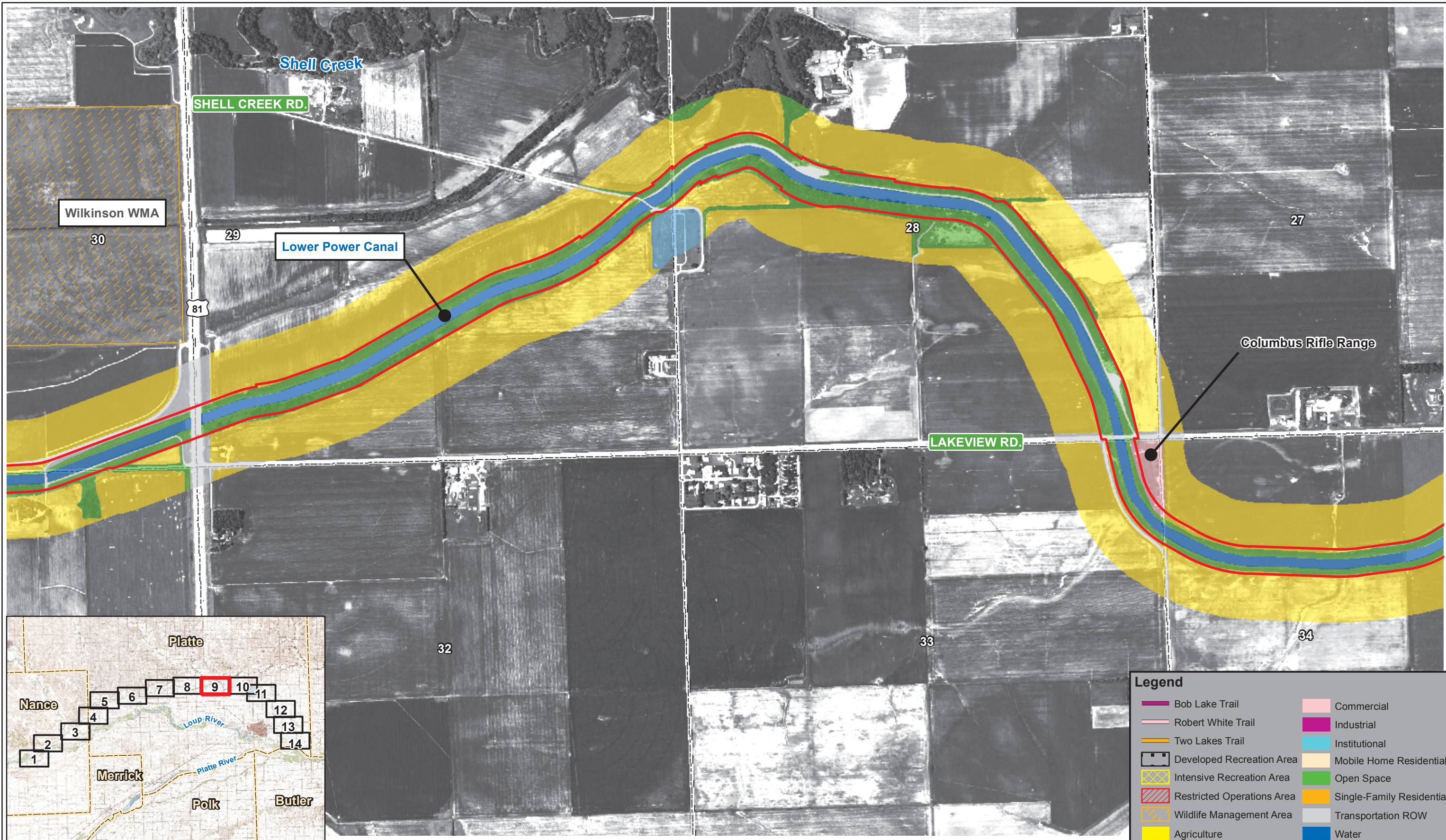
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FIGURE	E-17

Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

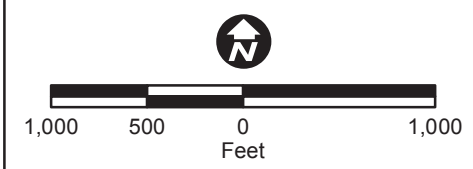
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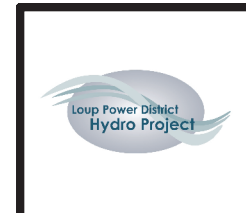
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Legend			
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	Robert White Trail		Industrial
	Two Lakes Trail		Institutional
	Developed Recreation Area		Mobile Home Residential
	Intensive Recreation Area		Open Space
	Restricted Operations Area		Single-Family Residential
	Wildlife Management Area		Transportation ROW
	Agriculture		Water



Legend	
	Project Boundary
	Corporate Limits
	County Line
	Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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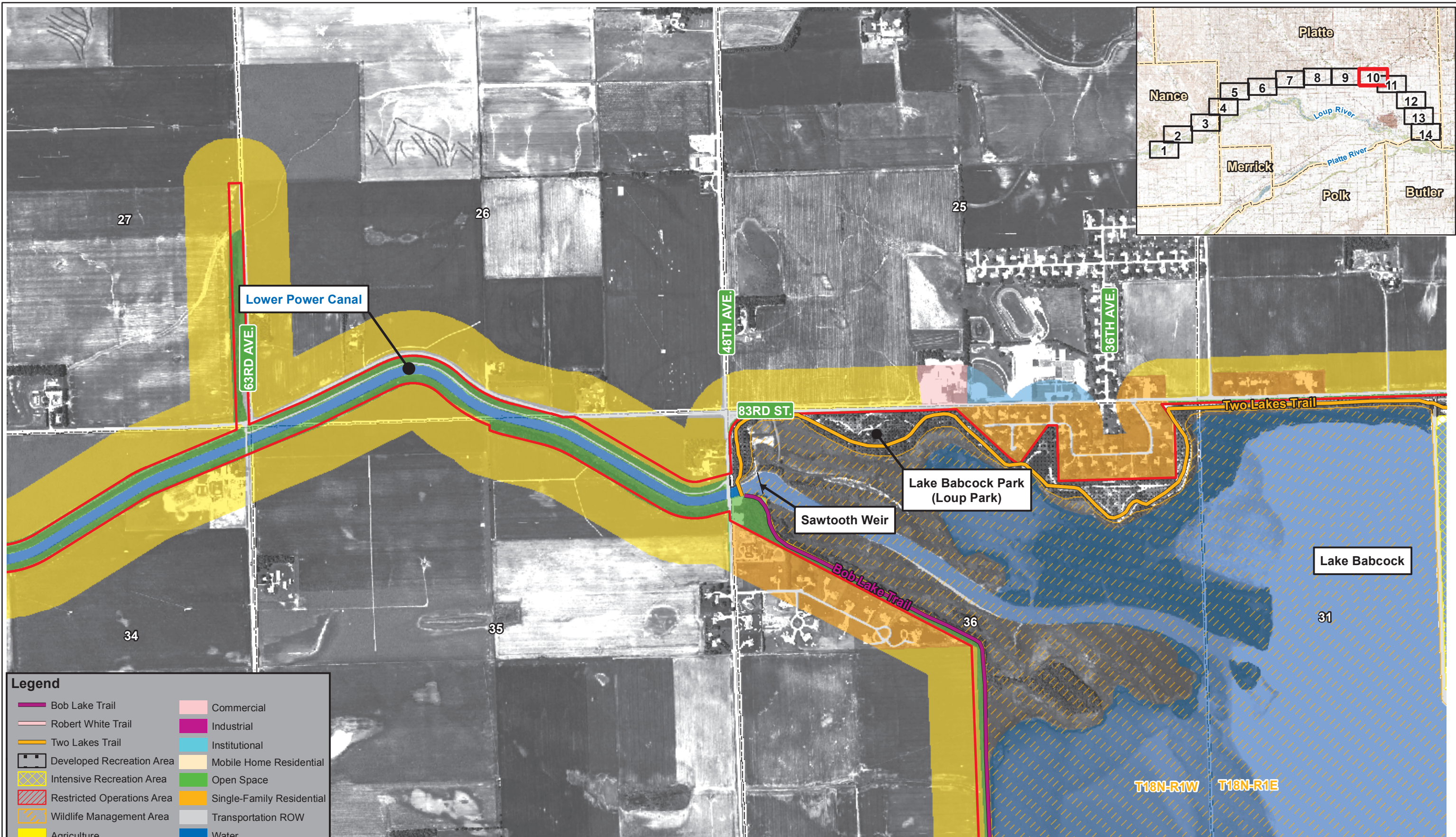
DATE	April 2012
FIGURE	E-17

Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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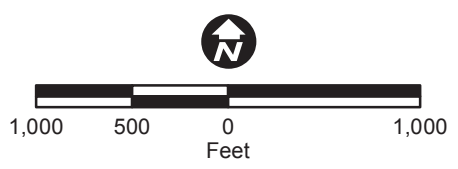


**Legend**

Bob Lake Trail	Commercial
Robert White Trail	Industrial
Two Lakes Trail	Institutional
Developed Recreation Area	Mobile Home Residential
Intensive Recreation Area	Open Space
Restricted Operations Area	Single-Family Residential
Wildlife Management Area	Transportation ROW
Agriculture	Water

**Legend**

Project Boundary
Corporate Limits
County Line
Section Line



Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



**Existing Land Use**

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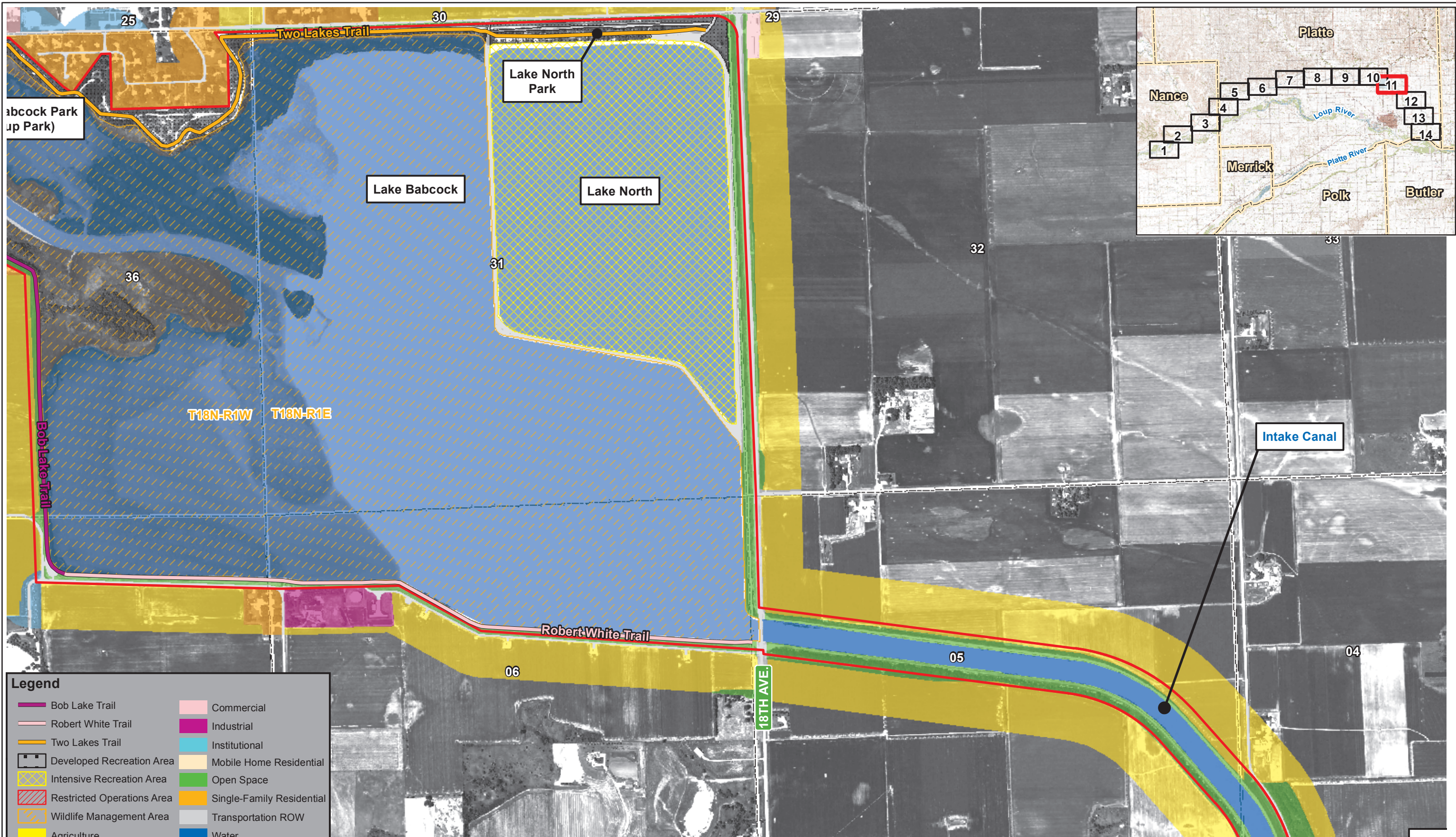
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DATE	April 2012
FIGURE	E-17



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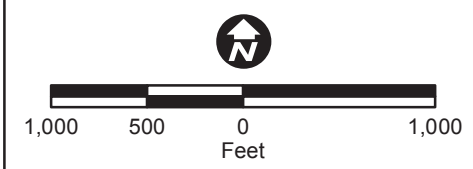


**Legend**

Bob Lake Trail	Commercial
Robert White Trail	Industrial
Two Lakes Trail	Institutional
Developed Recreation Area	Mobile Home Residential
Intensive Recreation Area	Open Space
Restricted Operations Area	Single-Family Residential
Wildlife Management Area	Transportation ROW
Agriculture	Water

**Legend**

Project Boundary
Corporate Limits
County Line
Section Line



Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



**Existing Land Use**

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 FERC Project No. 1256  
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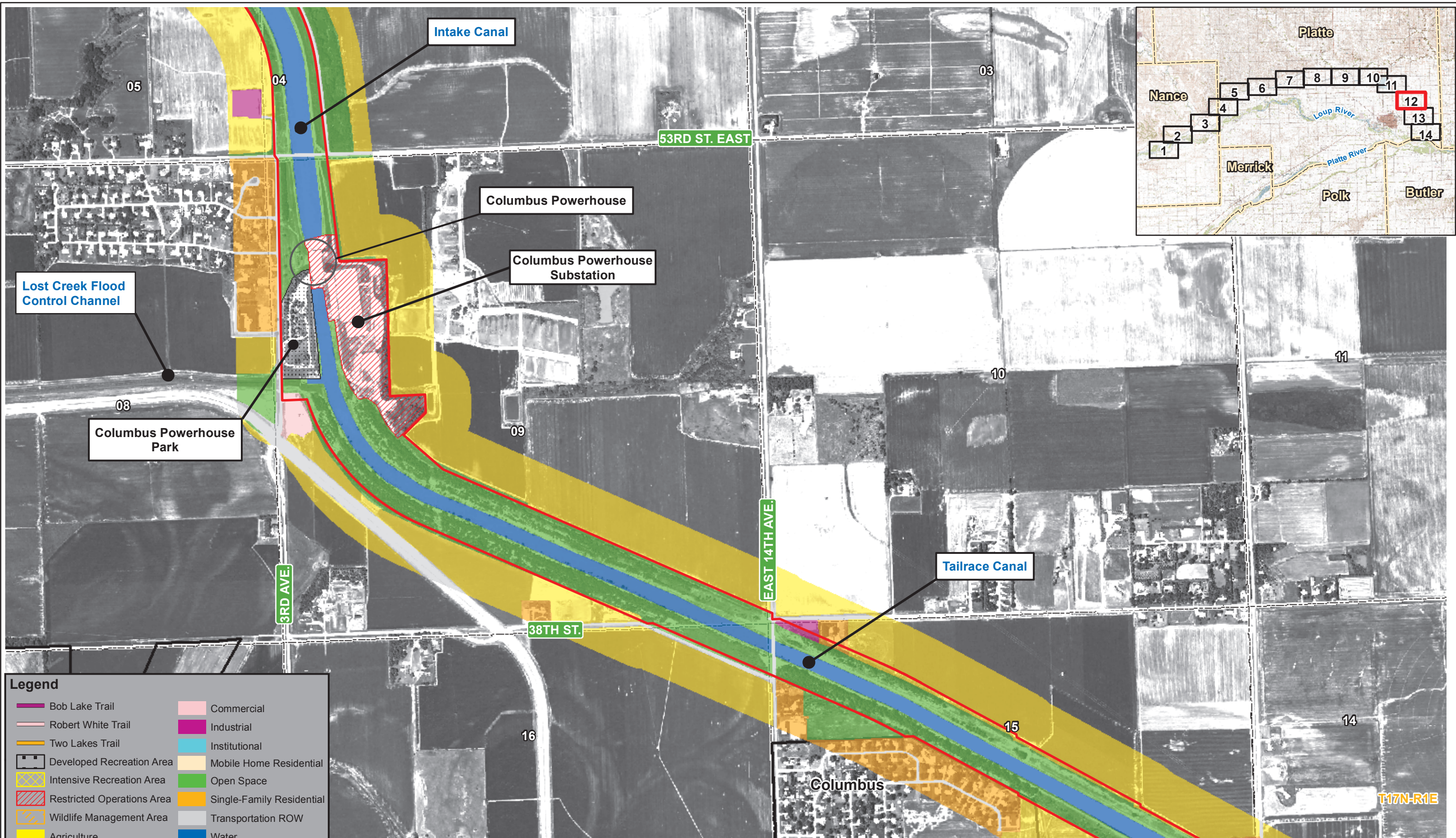
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DATE	April 2012
FIGURE	E-17



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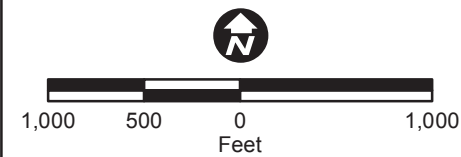


**Legend**

Bob Lake Trail	Commercial
Robert White Trail	Industrial
Two Lakes Trail	Institutional
Developed Recreation Area	Mobile Home Residential
Intensive Recreation Area	Open Space
Restricted Operations Area	Single-Family Residential
Wildlife Management Area	Transportation ROW
Agriculture	Water

**Legend**

Project Boundary
Corporate Limits
County Line
Section Line



Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic



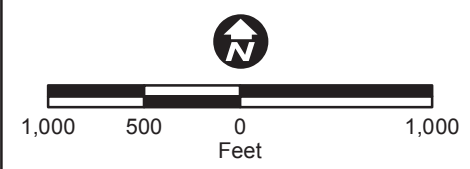
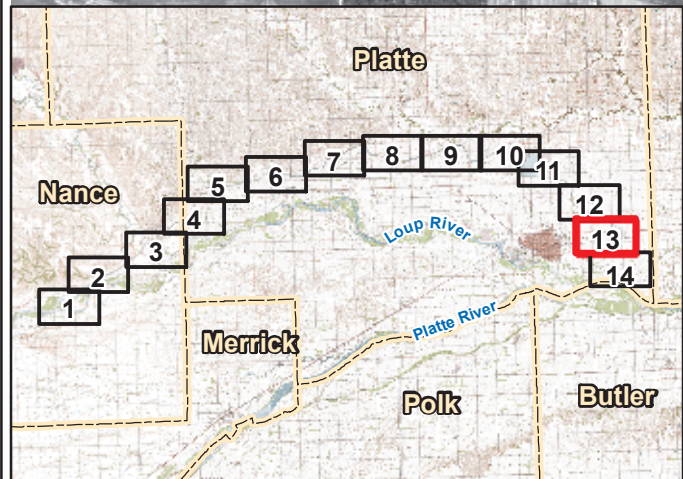
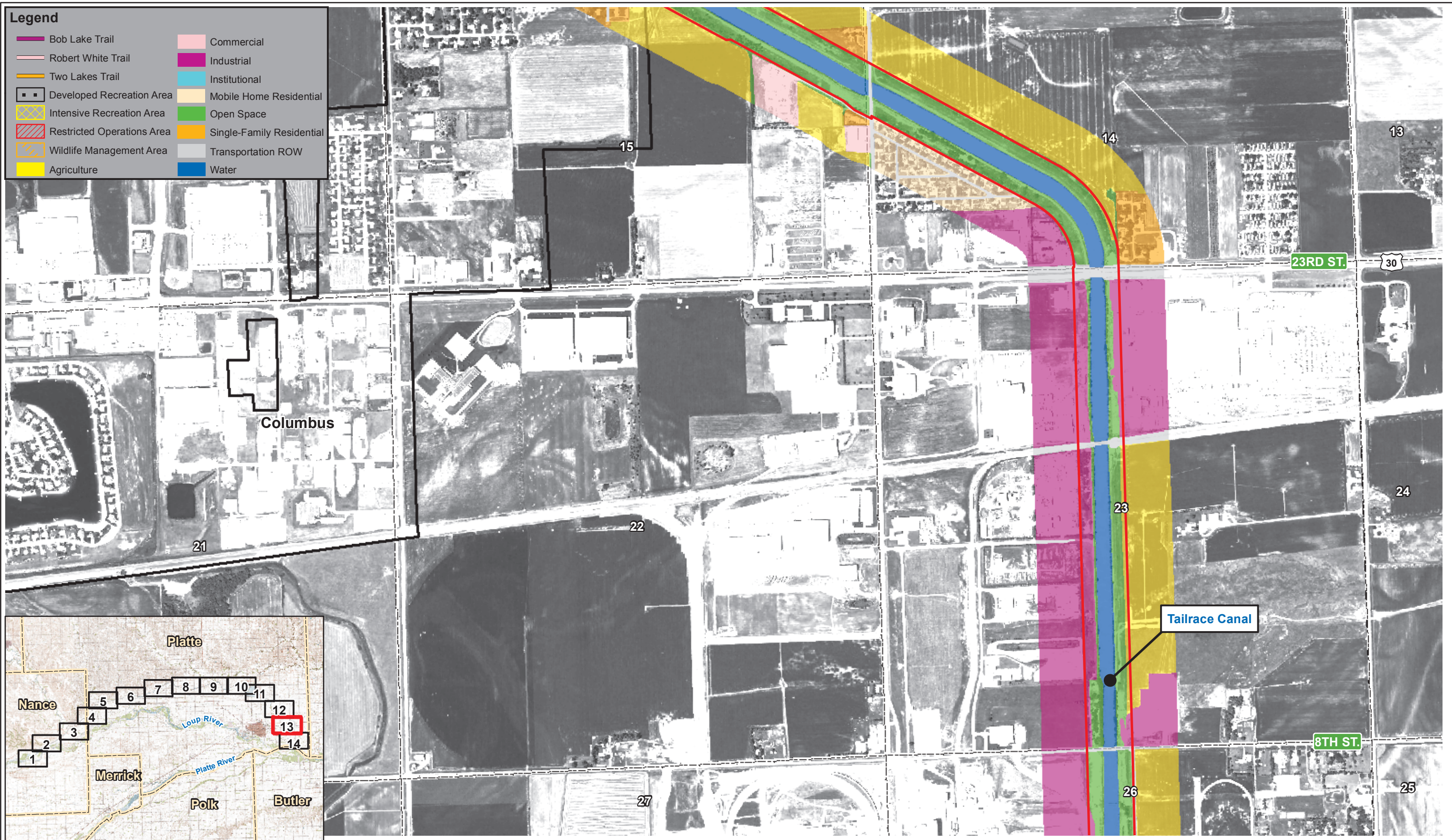
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	<p>FIGURE</p> <p>E-17</p>

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Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

- Legend**
- Project Boundary
  - Corporate Limits
  - County Line
  - Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
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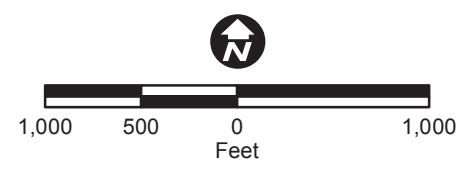
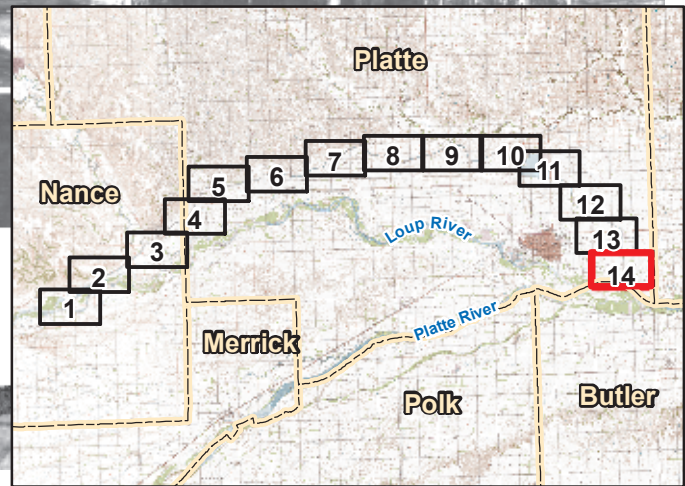
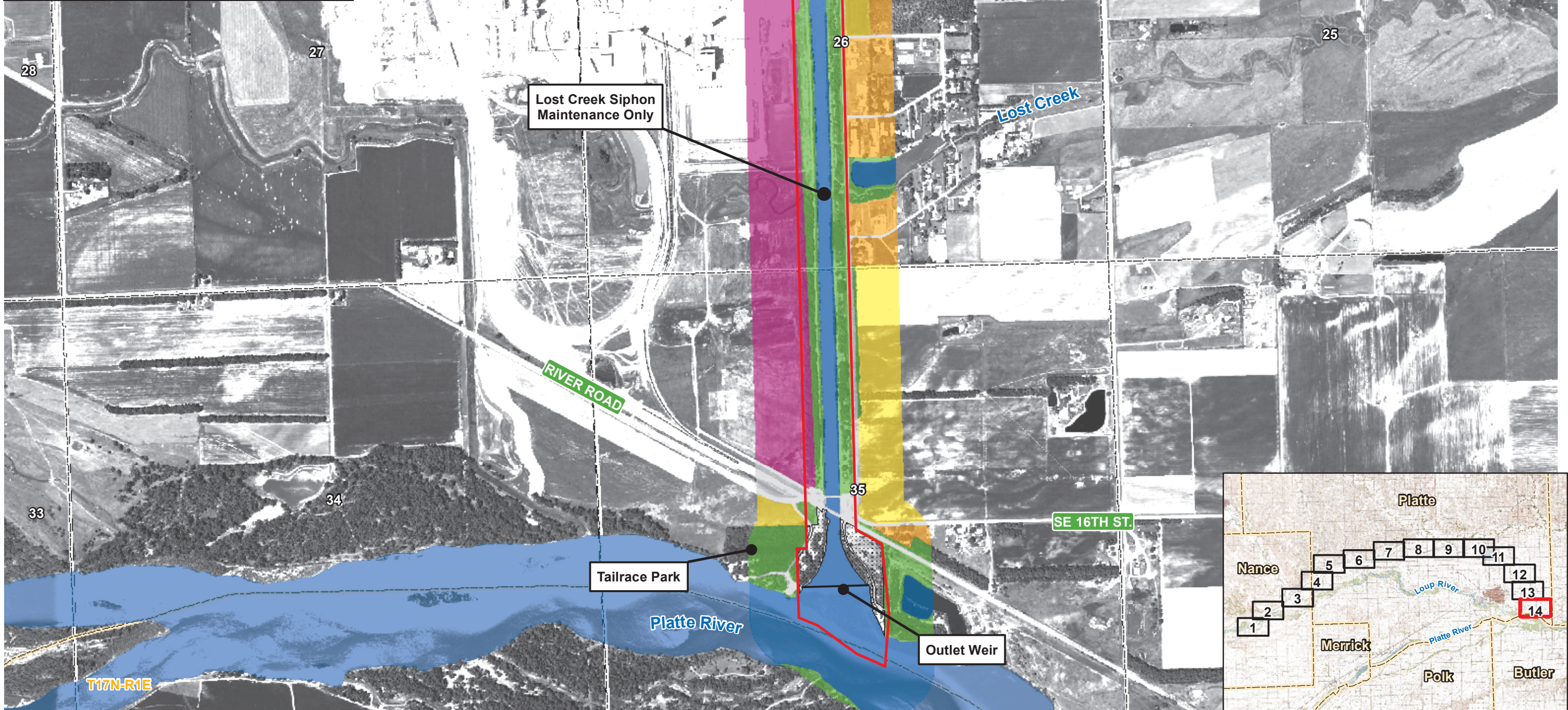
DATE	April 2012
FIGURE	E-17



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**Legend**

Bob Lake Trail	Commercial
Robert White Trail	Industrial
Two Lakes Trail	Institutional
Developed Recreation Area	Mobile Home Residential
Intensive Recreation Area	Open Space
Restricted Operations Area	Single-Family Residential
Wildlife Management Area	Transportation ROW
Agriculture	Water



**Legend**

Project Boundary
Corporate Limits
County Line
Section Line



**Existing Land Use**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

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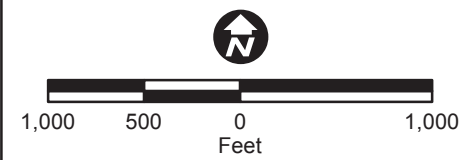
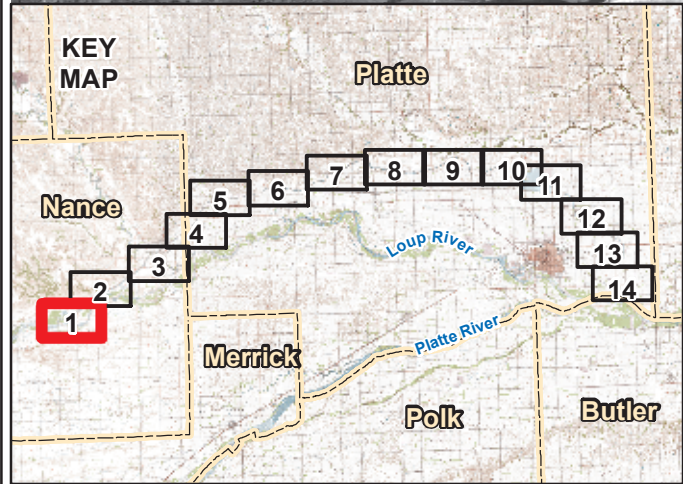
DATE	April 2012
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Aerial Imagery: 2009 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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**Historic Properties**

Loup River Hydroelectric Project  
 FERC Project No. 1256  
 Final License Application

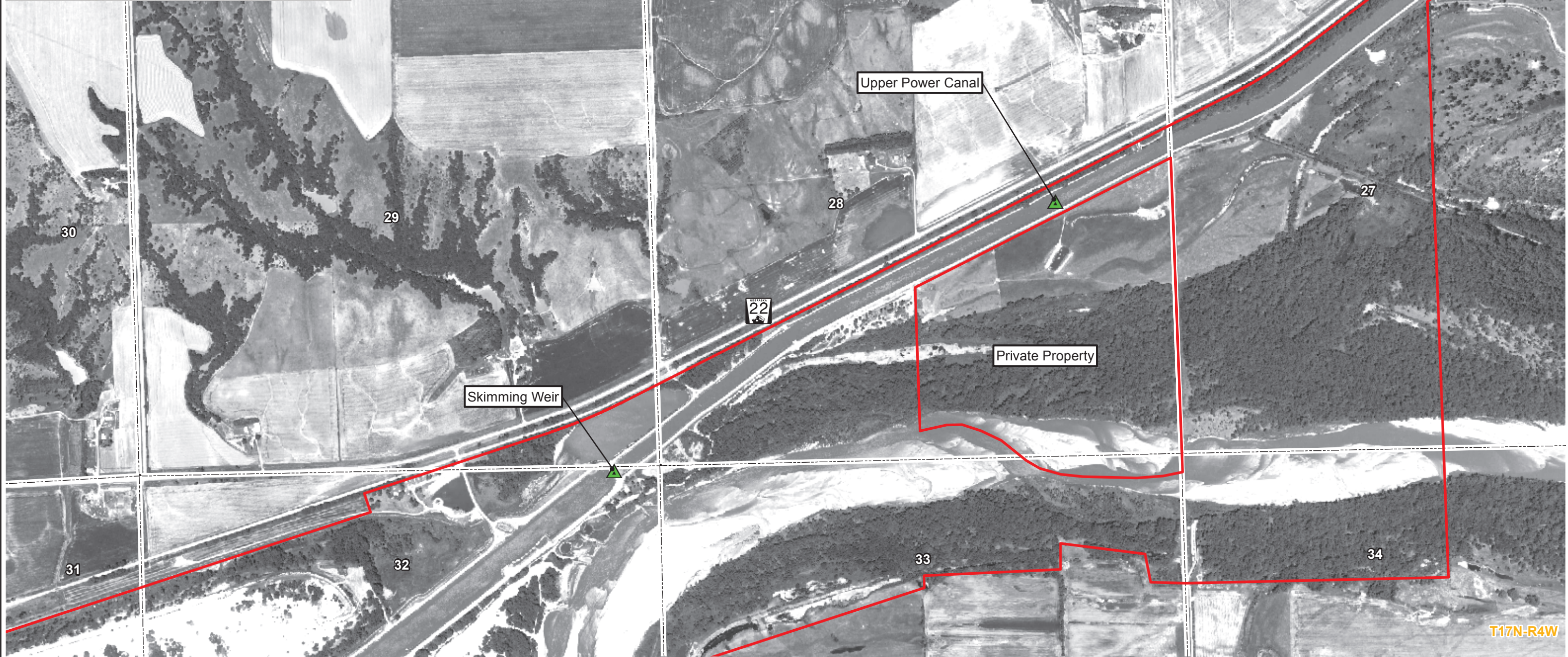
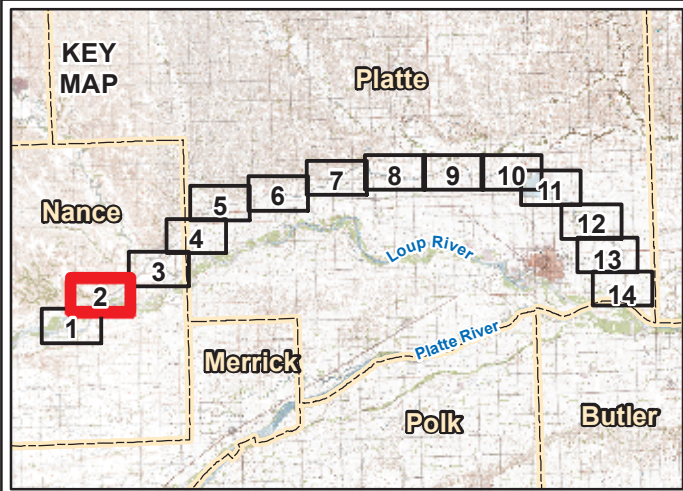
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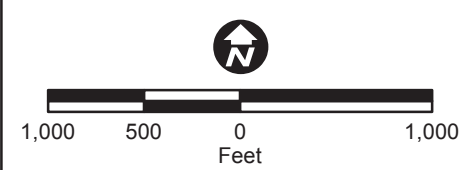
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**Historic Properties**

Loup River Hydroelectric Project  
FERC Project No. 1256  
Final License Application

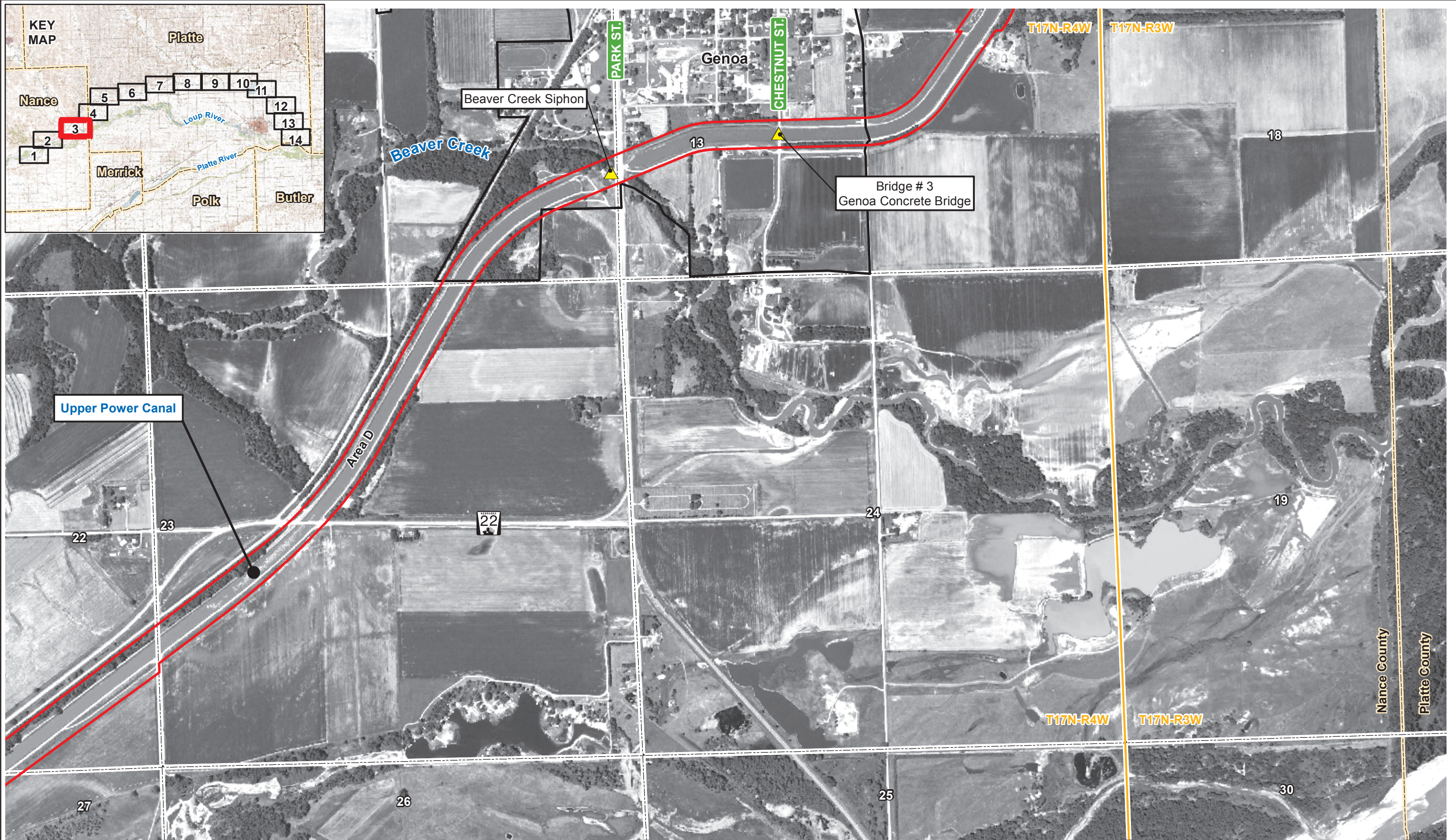
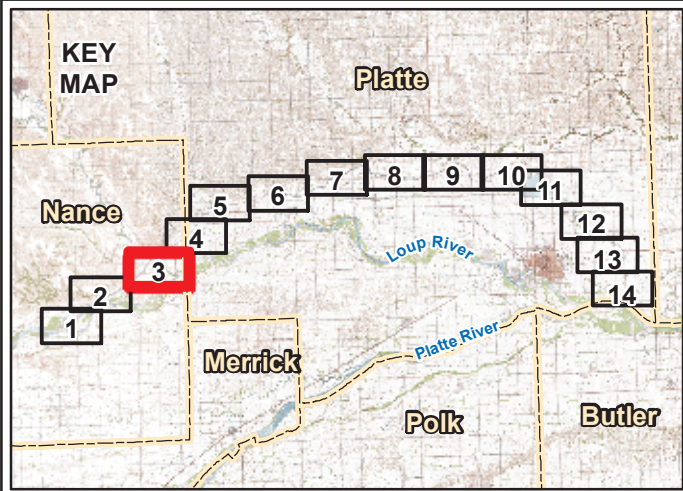
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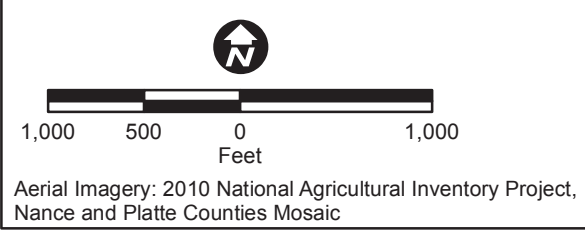
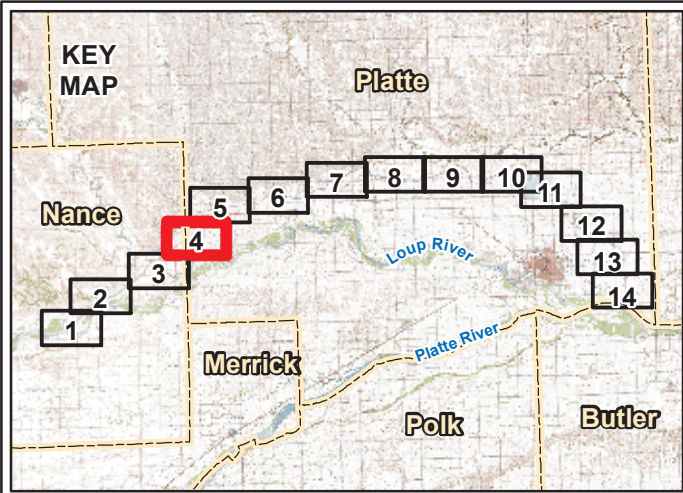
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<p><b>Historic Properties</b></p> <p>Loup River Hydroelectric Project          FERC Project No. 1256          Final License Application</p>	<p>Sheet 3 of 14</p>	<p>DATE April 2012</p>
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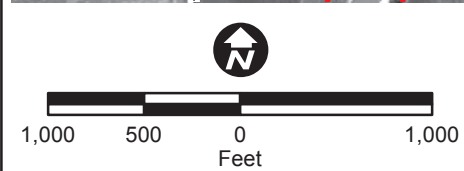
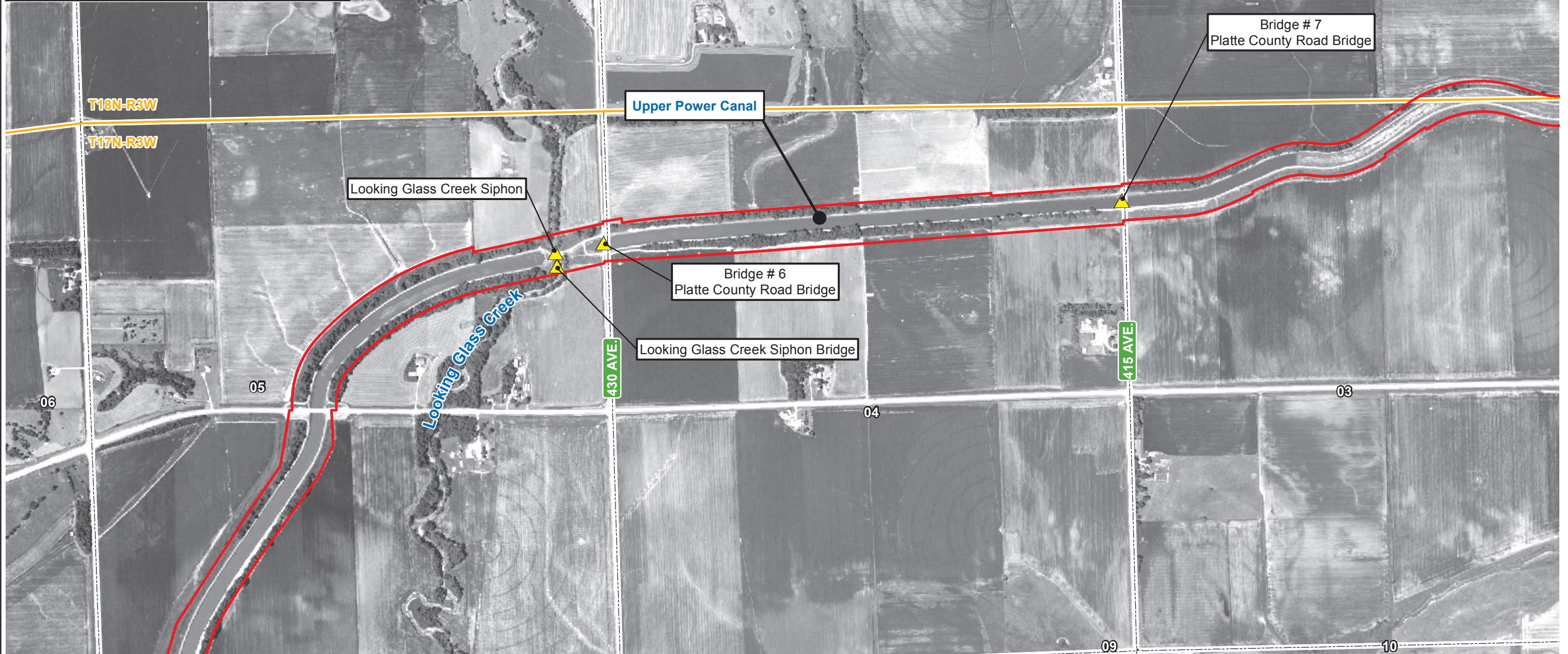
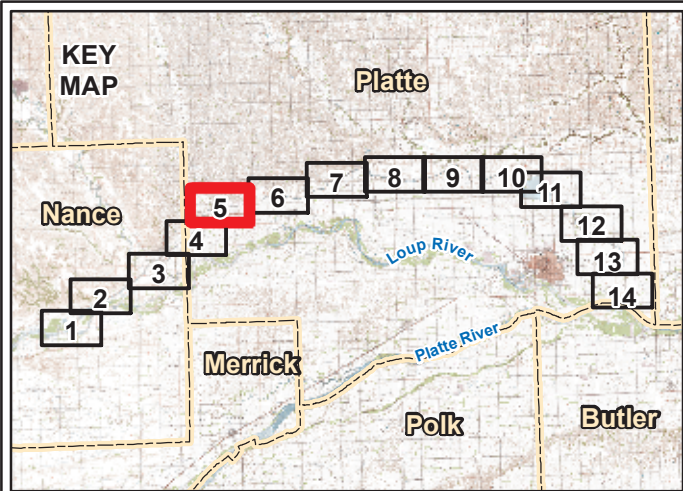
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<p><b>Historic Properties</b></p> <p>Loup River Hydroelectric Project          FERC Project No. 1256          Final License Application</p>	<p>Sheet 4 of 14</p>	<p>DATE</p> <p>April 2012</p>
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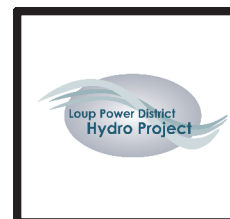
Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

**Legend**

- Project Boundary
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- Corporate Limits
- Township/Range
- County Line

**LPD Historic District**

- Contributing Structure Eligible
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**Historic Properties**

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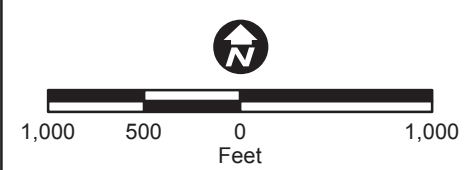
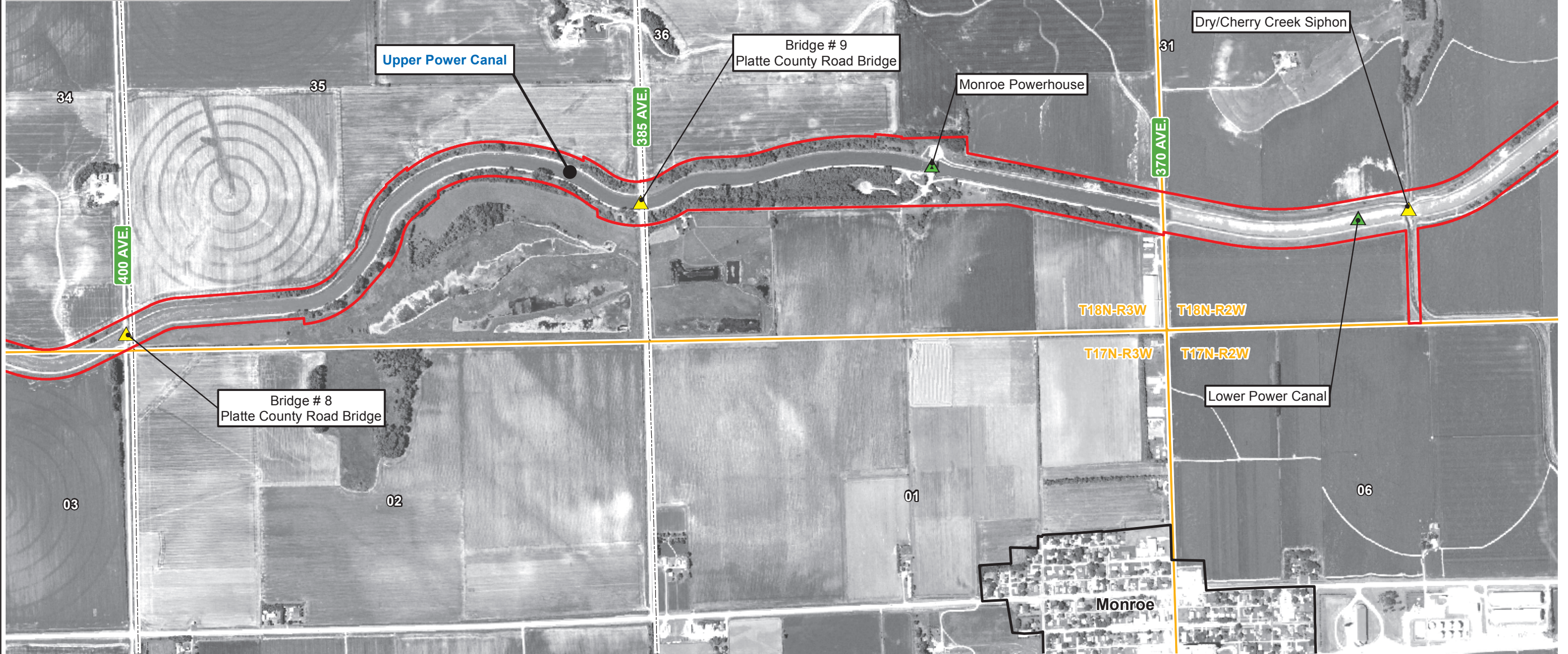
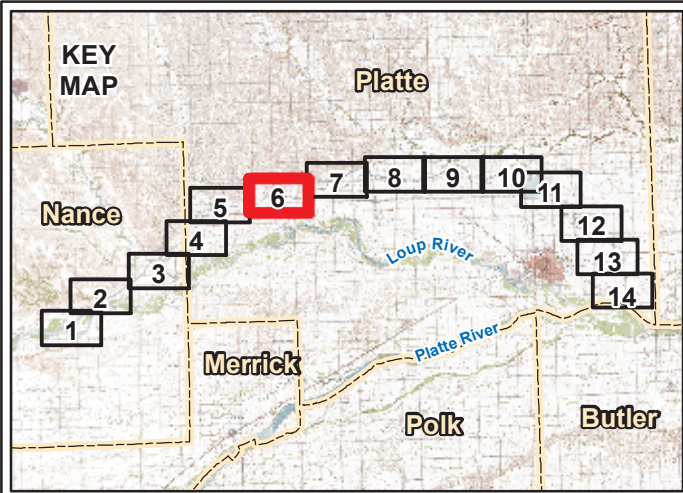
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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**Historic Properties**

Loup River Hydroelectric Project  
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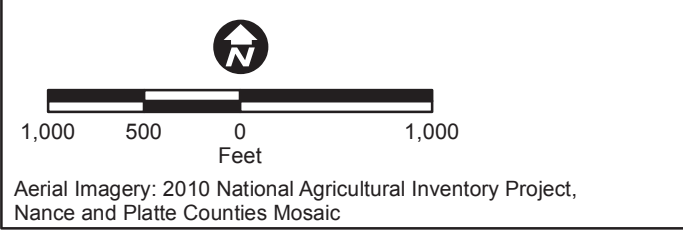
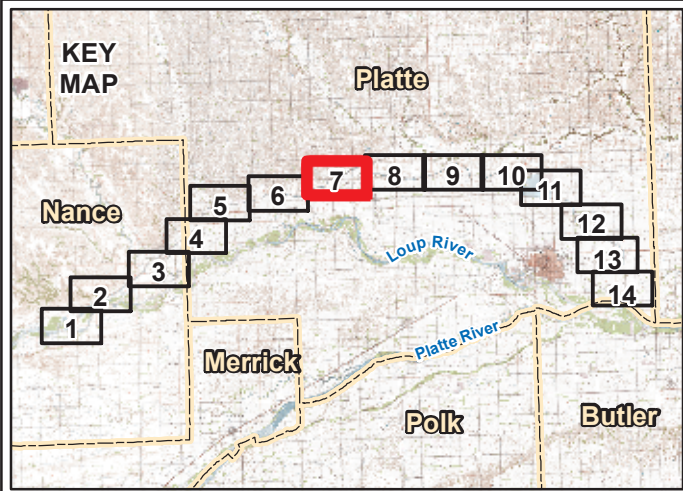
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**Historic Properties**

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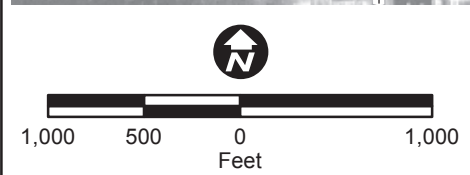
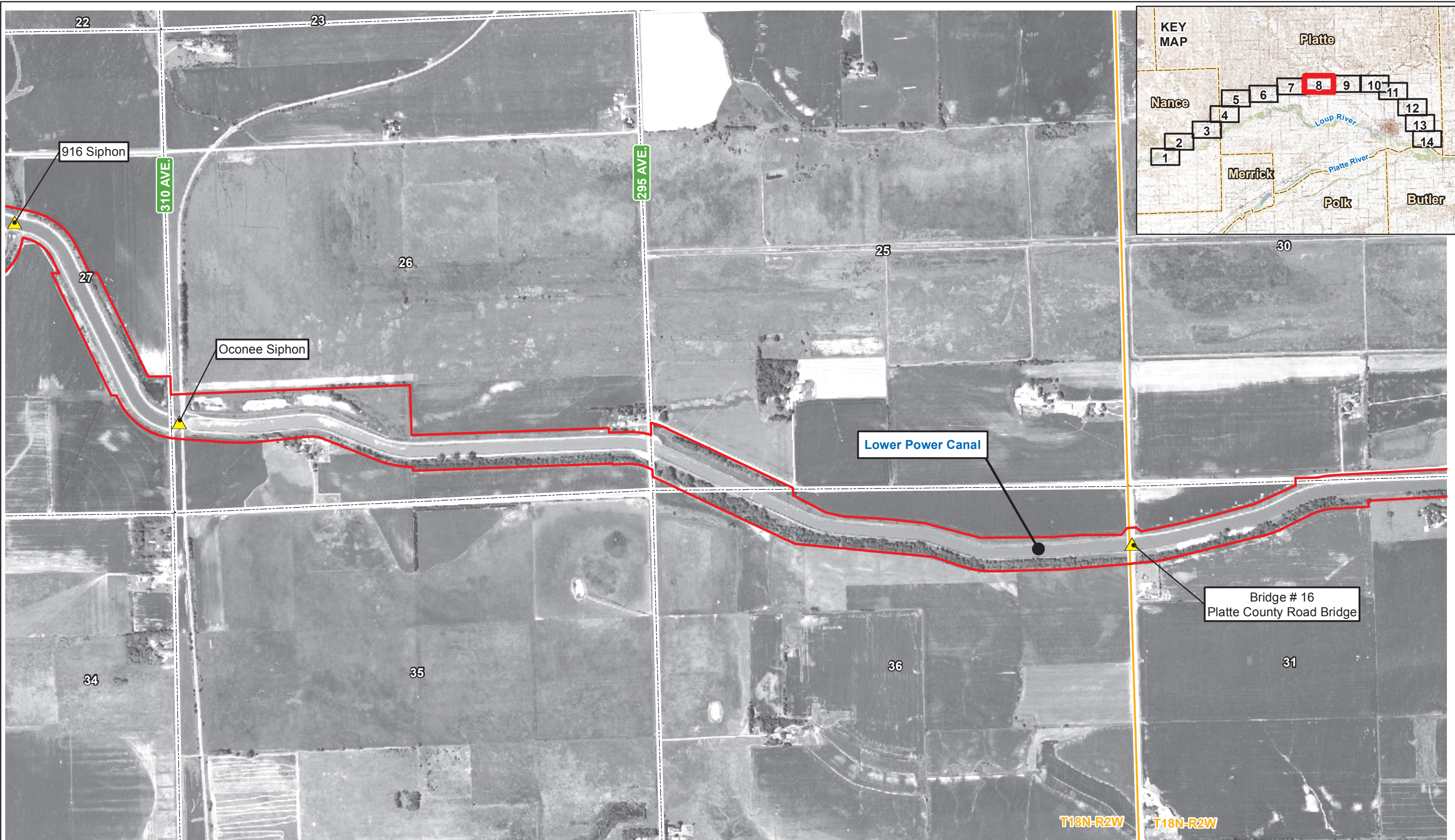
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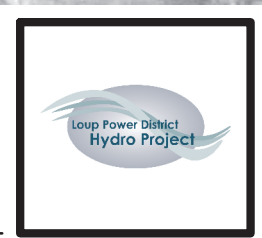
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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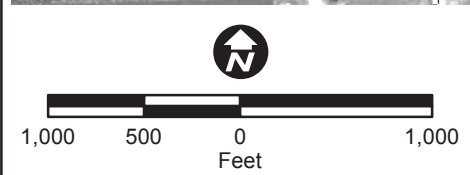
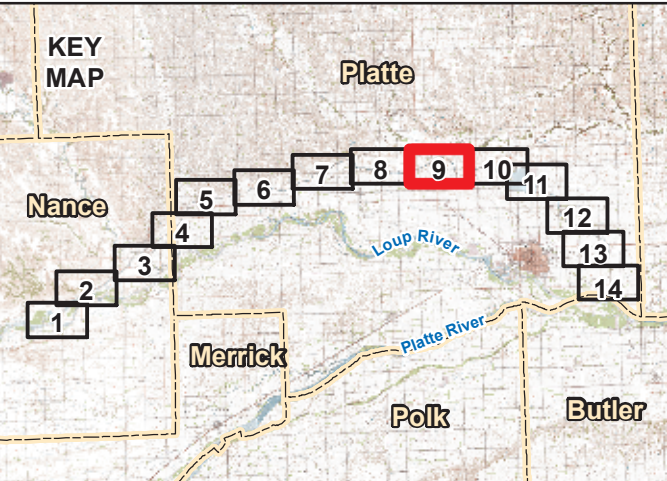
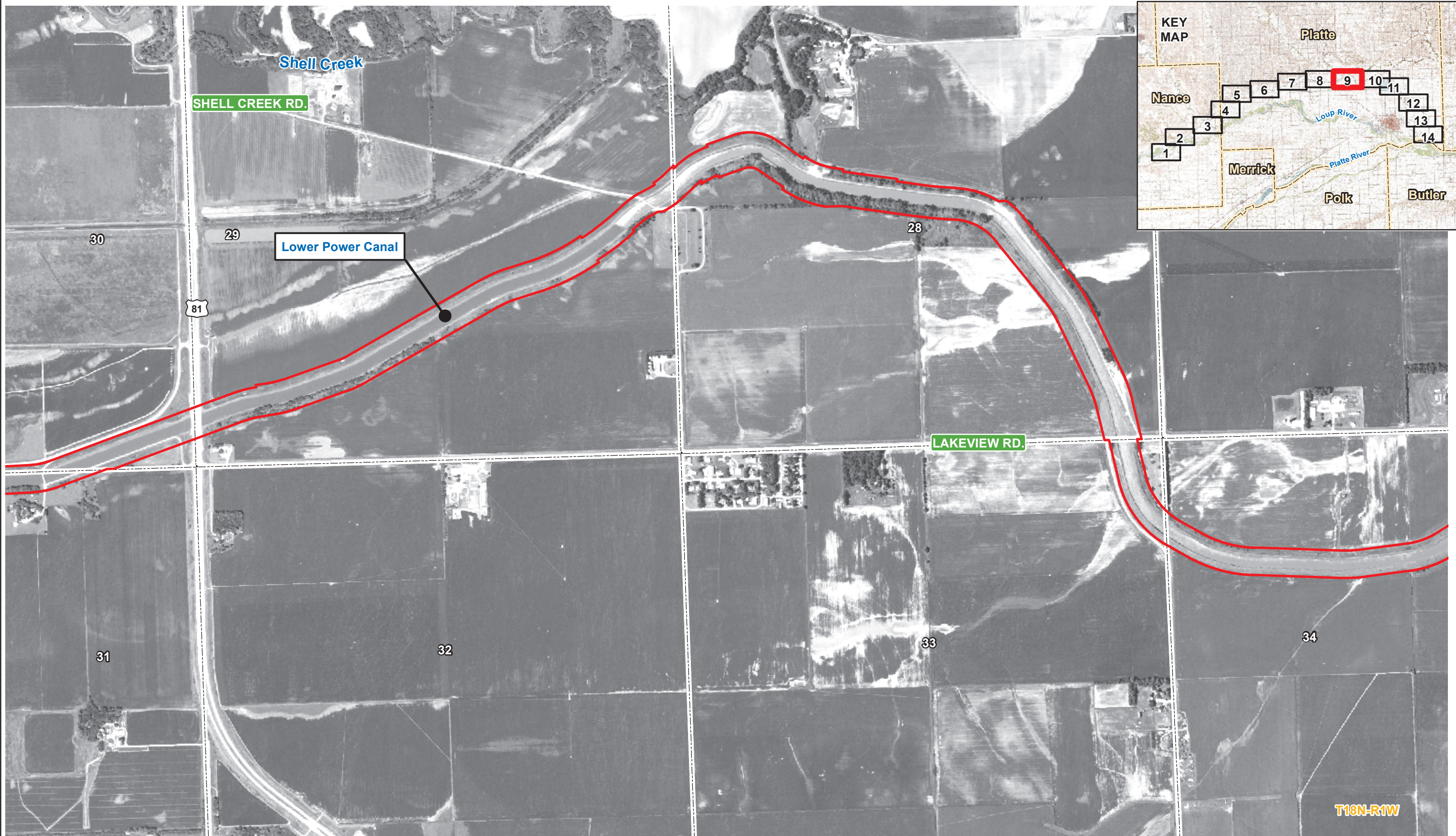
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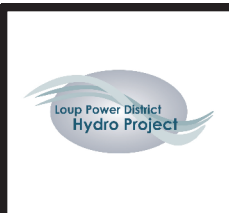


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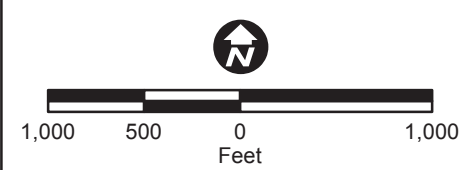
<b>Historic Properties</b>	Sheet 9 of 14	DATE April 2012
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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**Historic Properties**

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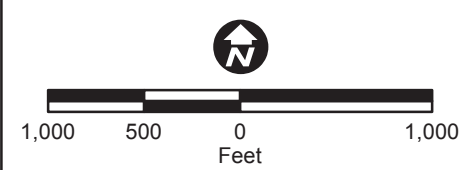
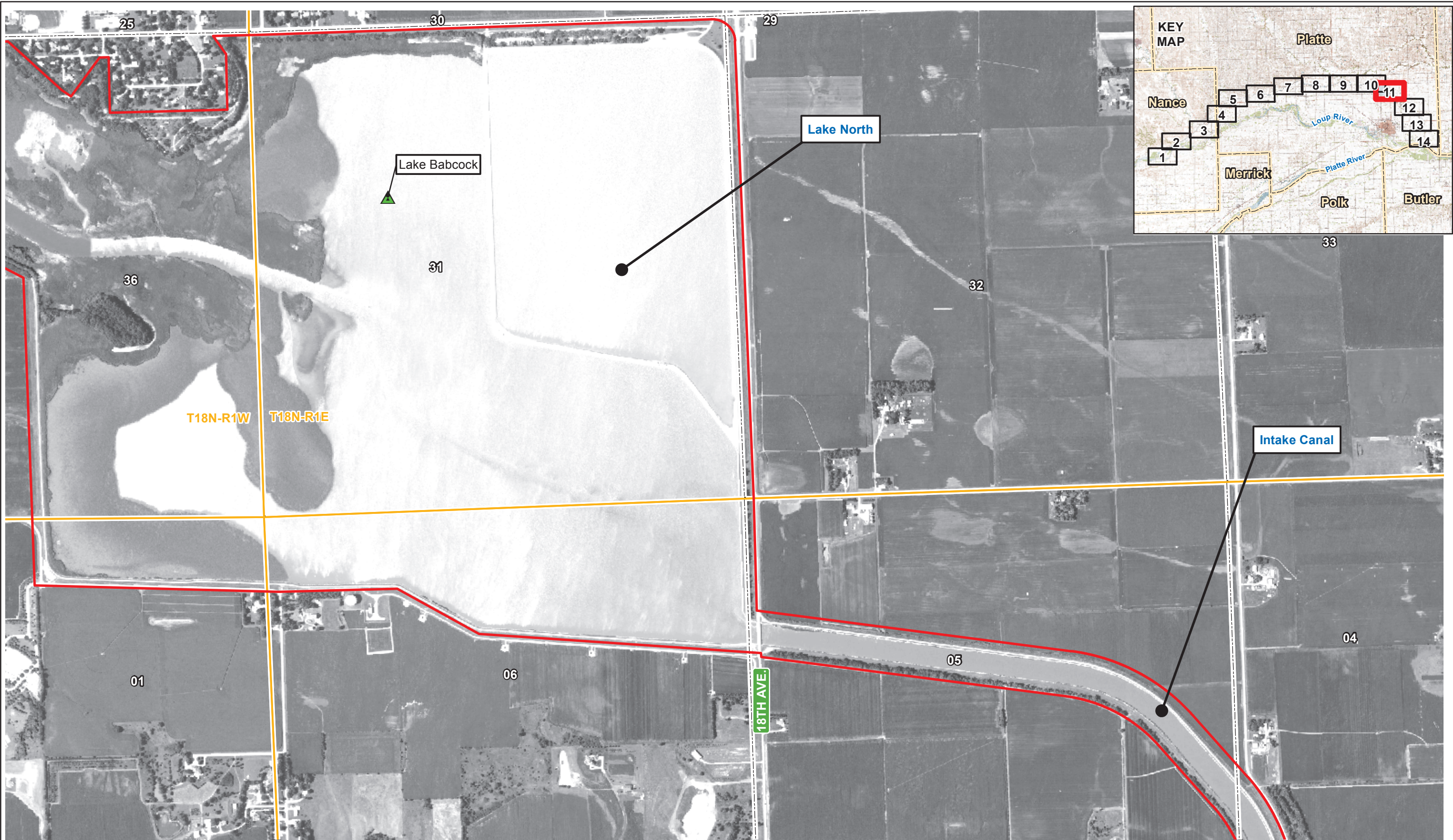
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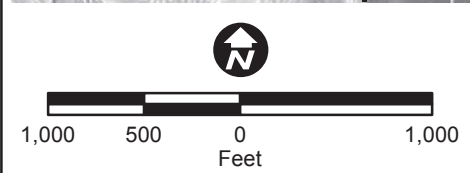
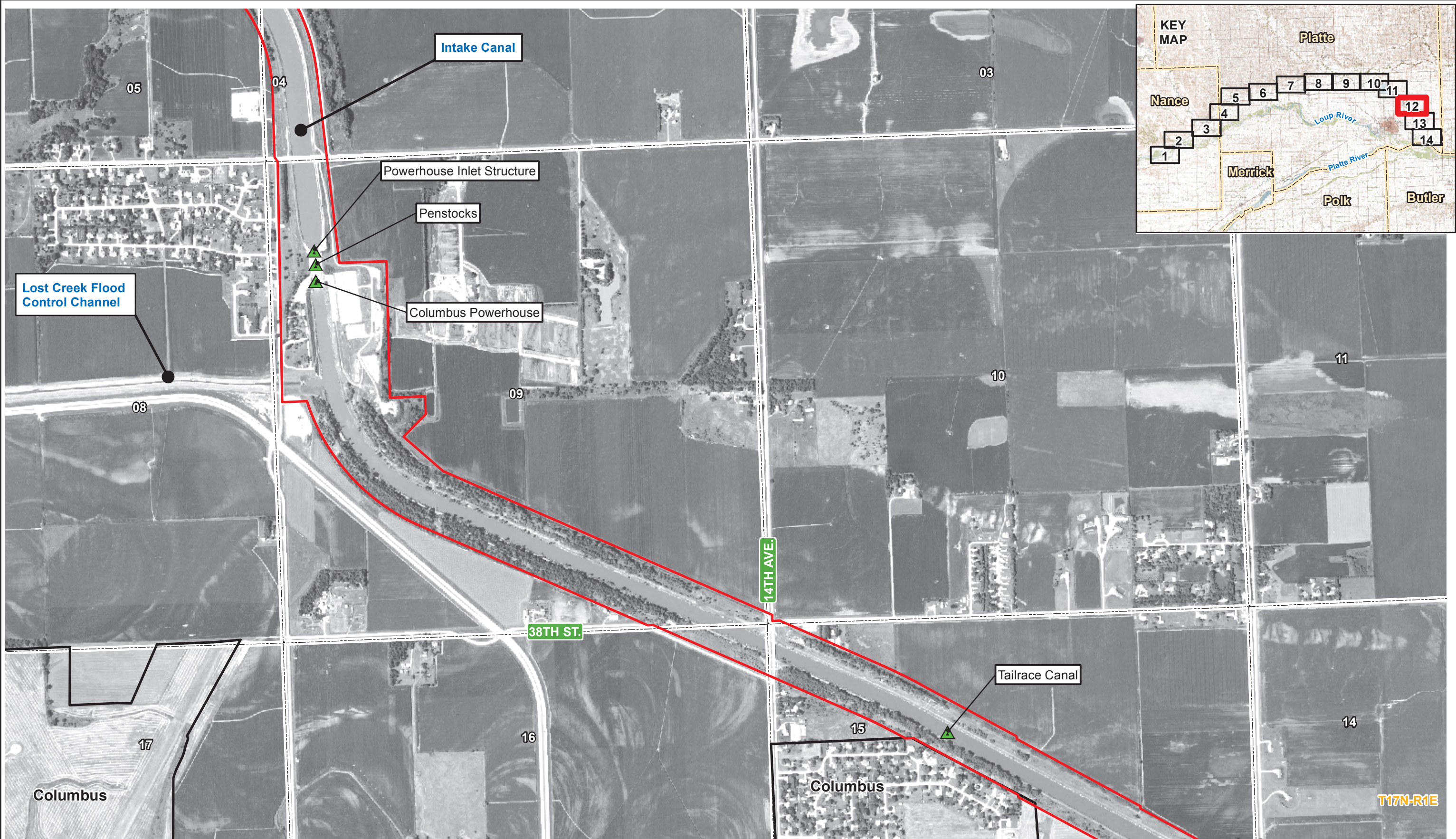
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Aerial Imagery: 2010 National Agricultural Inventory Project, Nance and Platte Counties Mosaic

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Loup River Hydroelectric Project  
 FERC Project No. 1256  
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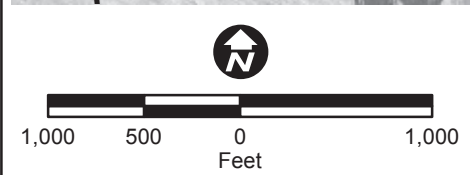
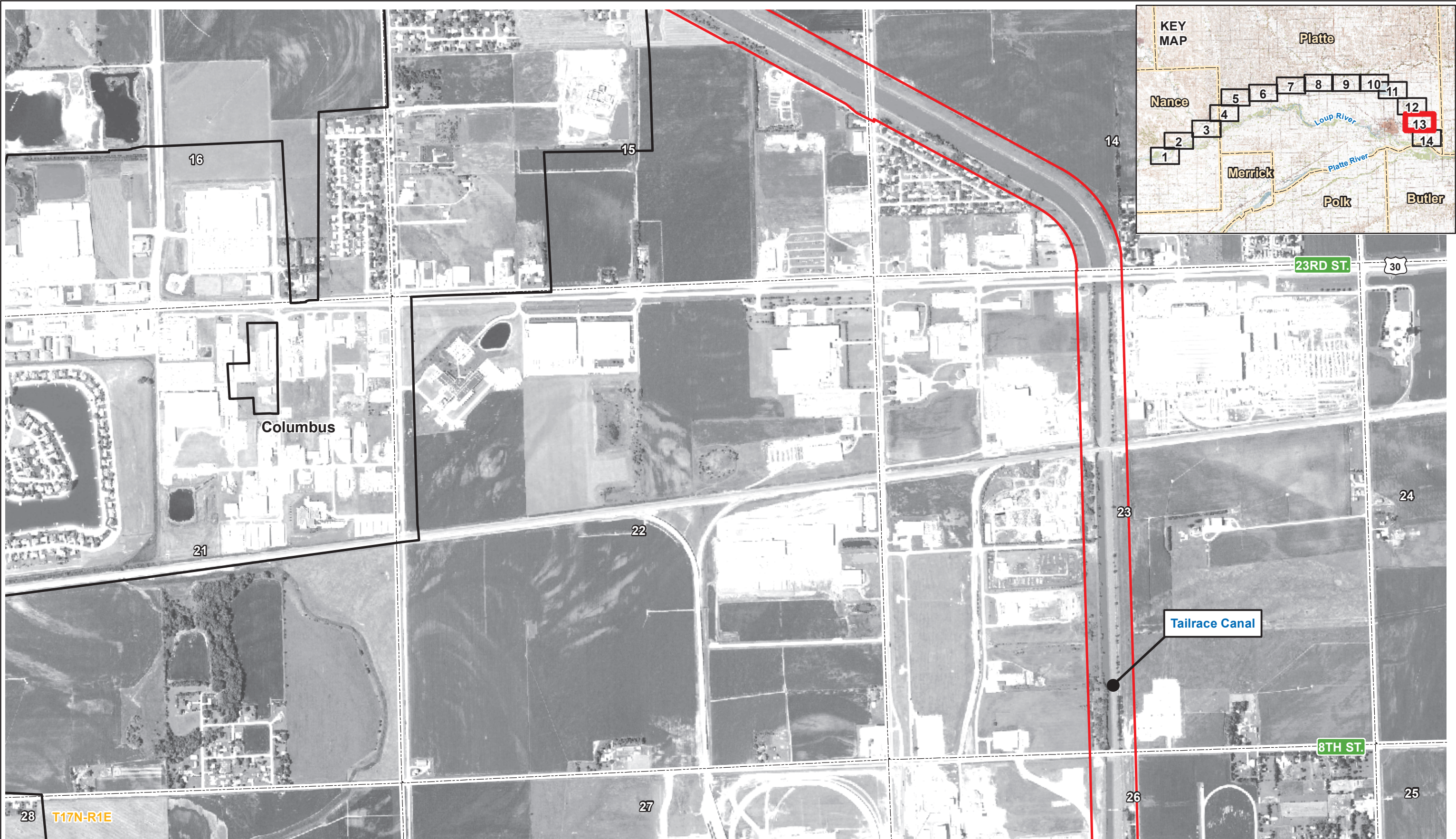
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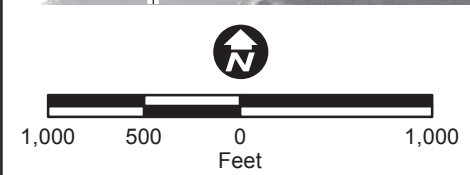
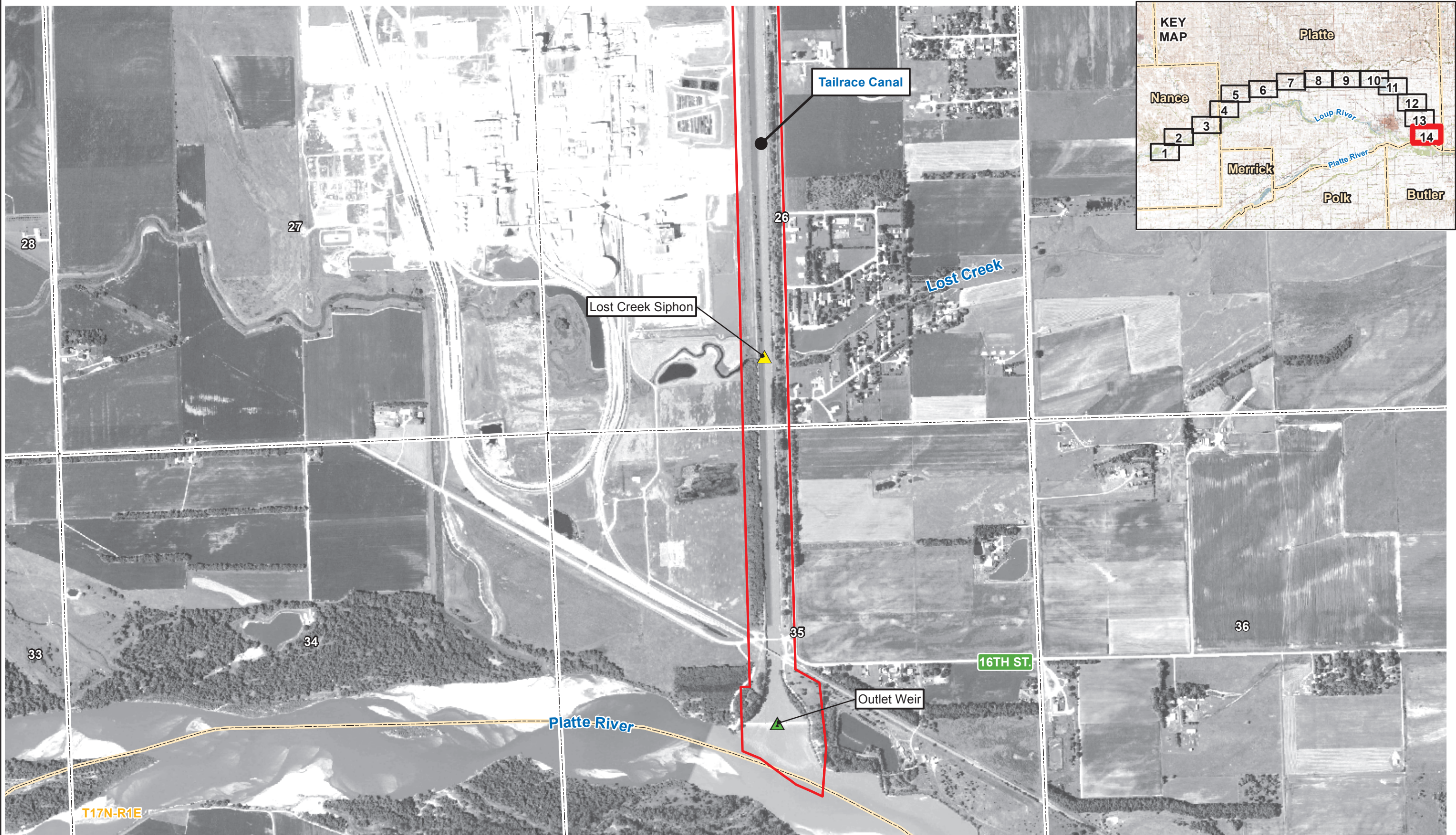
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