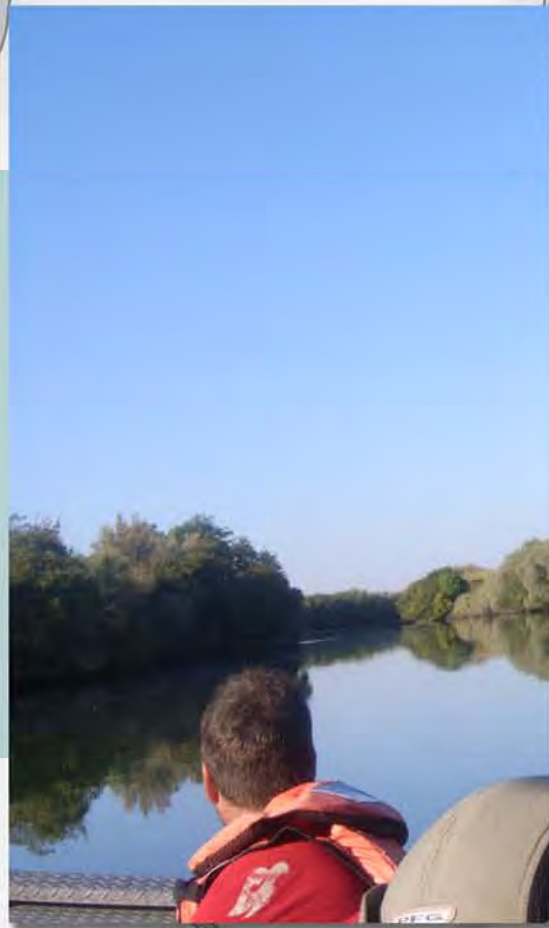
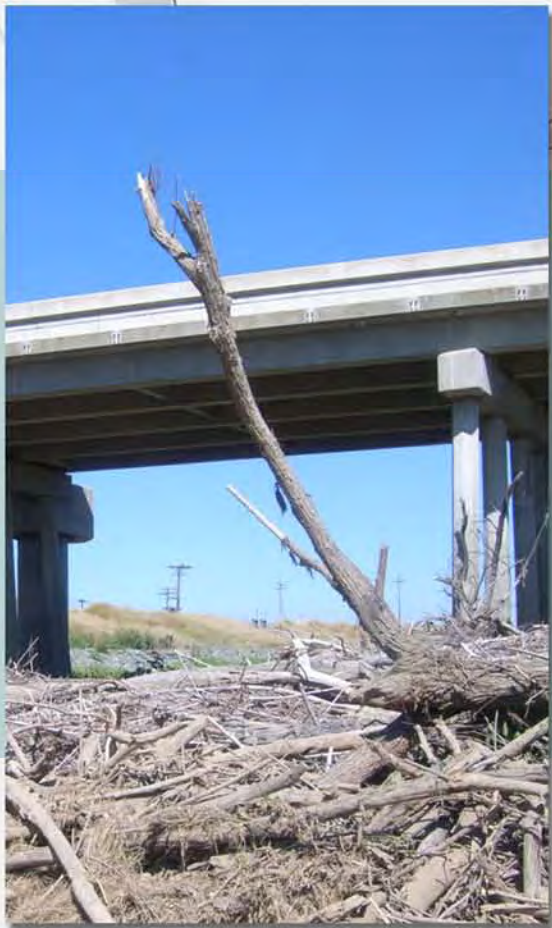


# 2011 RIVER ATLAS

## SACRAMENTO RIVER BANK PROTECTION PROJECT



Appendix B  
To 2011 Erosion Inventory



# **2011 RIVER ATLAS**

## **SACRAMENTO RIVER BANK PROTECTION PROJECT**

### **Appendix B To 2011 Erosion Inventory**

February 2012

**Created by GIS and Mapping Section,  
Engineering Division**

**US Army Corps of Engineers  
Sacramento District,  
1325 J Street  
Sacramento, CA 95814**

**Contact Information:  
Public Affairs Office  
spk-pao@usace.army.mil  
(916) 557-7461**





1.0 Authorization

The Sacramento River Bank Protection Project (SRBPP) was authorized for the protection of the existing levees and flood control facilities. It was originally authorized by the 86th Congress under the Flood Control Act of 1960, Public Law 86-645, Title II. It is currently authorized by the Water Resource Development Act of 2007. Under the current authorization there are only about 3,000 linear feet available for repairs. An additional 80,000 linear feet will be available at the completion of the Post Authorization Change Report.

2.0 Purpose

This atlas graphically documents the annual erosion reconnaissance of the Sacramento River System. The purpose of the reconnaissance is to maintain and update an inventory of erosion sites, identify new and monitor existing erosion sites, and collect data to prioritize the sites for repair. The erosion reconnaissance is conducted every year to identify new and existing erosion sites within the system. A site is deemed an erosion site if the erosion is into the projection of the levee slope. Personnel from various sections of the US Army Corps of Engineers collected photos with a GPS camera and data using a Trimble XH with GPS and GIS capabilities.

3.0 Project Background

The annual erosion inventory started in 1997, following the large flood event in the winter of 1996 and 1997. This flood event caused a levee failure and numerous flood fighting efforts throughout the Sacramento River System. The original goal of the inventory was to identify the weak spots in the levee system and repair them. However, concerns for the environment and endangered species limited the repair work to mainly emergency work (PL84-99) and local maintenance efforts. Under the SRBPP project, one site on the Sacramento River and a few sites on the American River were repaired between 1997 and 2006.

In February 2006, after high flows in the rivers of the Sacramento Valley, the governor of California declared a state of emergency for the Central Valley levees. In the following years, all the sites that were defined as “critical” in the 2005 inventory were repaired. Repairs have continued every year since and over 100 sites have been repaired since the declaration through the combined efforts of the US Army Corps of Engineers (USACE) and the California Department of Water Resources (DWR).

While sites are currently being repaired, more sites enter the erosion inventory every year. The number of sites in need of repair far exceeds the number of sites that can be repaired each year. Due to this, a ranking system was developed to help determine which sites should be considered the highest priority for repair. See **Appendix A**.

Aerial atlases of the Sacramento River System have been produced since 1980, and hand drawn maps date back to the 1930s. Atlases documenting the annual erosion inventory started in 2002 and have grown and improved to this current version. A new atlas was produced every year to graphically document the erosion sites within the Sacramento River System.

4.0 Reconnaissance Team and Inventoried Levees

There are two parts to the erosion inventory; these two parts are typically referred to as the “annual erosion inventory” and the “extended erosion inventory”. The annual erosion inventory includes the levees of the SRFCS that are inspected every year. This includes the reaches that convey flow through the SRFCS on an annual basis. The

extended inventory is only conducted after high flow events or a minimum of once every five years. The extended erosion inventory includes reaches of the SRFCS that either convey seasonal flow or do not typically convey flow on an annual basis, such as the bypasses.

The 2011 reconnaissance included both the annual inventory and the extended inventory. The extended inventory was conducted on August 1 – 12, and the annual inventory was conducted on September 19 – 30. The inspection was conducted by the engineering division, and included team members from Hydraulic Analysis, GIS, Soil Design, Civil Design, and Levee Safety.

The majority of the inventory was conducted by boat for optimal viewing of the channel banks and levees. However, some of the channels did not contain enough flow to boat and they were inventoried by vehicle. **Figures 2 and 3** of the main report and the bottom right identifier on the map plates in this Appendix show the levees that are inspected annually and those inspected during the extended inventory. The figures also show the levee sections that we were unable to inspect due to access limitations or on-going construction activities.

5.0 Data Collection and Methodologies

The erosion data was captured using Trimble GeoXH with ArcPAD 10.0. Data from the previous annual survey was loaded onto the units as well as some other background information such as levee centerlines, river miles and previous revetments.

For existing erosion sites, identified in previous years, the team would check the site limits of the erosion for comparison with the previously identified site limits. If the erosion had extended upstream or downstream, the site geometry would be extended to reflect the length of current erosion and a field note would be added. Then, with the use of drop down ArcPAD menus, the data collector asked a series of questions to the rest of the PDT members, such as type of erosion, erosion factors observed, vegetation observed, etc. For a complete listing of site attributes, refer to Appendix A. Some sites had status changes, such as a minor erosion site that changed into a full erosion site. If this was the case, then a field not was entered stating such.

For newly observed erosion sites, a GPS data point was collected at the approximate start of the erosion site and a second GPS data point was collected at the downstream limit. Alternatively, the GPS data collector would draw a line on the GPS using background data as an approximation of start and stop points. The latter collection method was used only when the boat could not get close to the erosion site in question or when the GPS data collector could not physically walk to the start/stop points for the sites that were inventoried by vehicle. All of the data attributes were filled in by the GPS operator with advisement from the accompanying PDT members.

Once the data was collected, the data was exported to a geodatabase and serves as the master erosion database for the SRBPP Project. The primary purposes of the dataset are to tentatively select sites for bank protection and monitor previously indetified erosion sites.

As the sites fall out of the erosion inventory by being repaired, they are moved into a revetment database (shown as repaired sites within this inventory atlas) for a running inventory of system revetments for mapping and query analysis. The database is not a complete inventory of all revetments to the system but is expanding as new-old data is discovered and added to the database.



6.0 LEGEND

**River Miles:** This dataset came from USGS markers on 1:24K TOPO Quads. Note: Some river markers do not follow the current channel but are still used in this report to maintain consistency with how river markers have been reported throughout the life of the SRBPP project.

**Levee Miles:** A subset of levee miles from the National Levee Database. These markers are to be used to identify erosion where River Miles do not exist. This is a secondary system for marking locations of levee data.

**Critical Erosion:** A site that is an imminent threat to the integrity of the flood control system and of highest priority for repair.

**Erosion:** A site that is at risk of an erosional failure during flood and/or normal flow conditions.

**Under Construction:** A site in which either a repair is under way or a contract has been awarded and the construction should begin shortly. This site will likely move to the repaired list in the next year’s inventory.

**New Erosion:** A site identified this year as at risk of an erosional failure during flood and/or normal flow conditions.

**Repaired:** A site that was previously an erosion site that has since been repaired and is listed in the revetment inventory.

**SRBPP Levees:** The SRBPP Levees come from the National Levee Database levee centerlines and represent all project levees within the Sacramento River Bank Protection Project extent.

**Reclamation District:** Areas shown to represent the Bureau of Reclamation Districts that are responsible reclaiming and/or maintaining land that is threatened by permanent or temporary flooding for agricultural, residential, commercial, or industrial use.

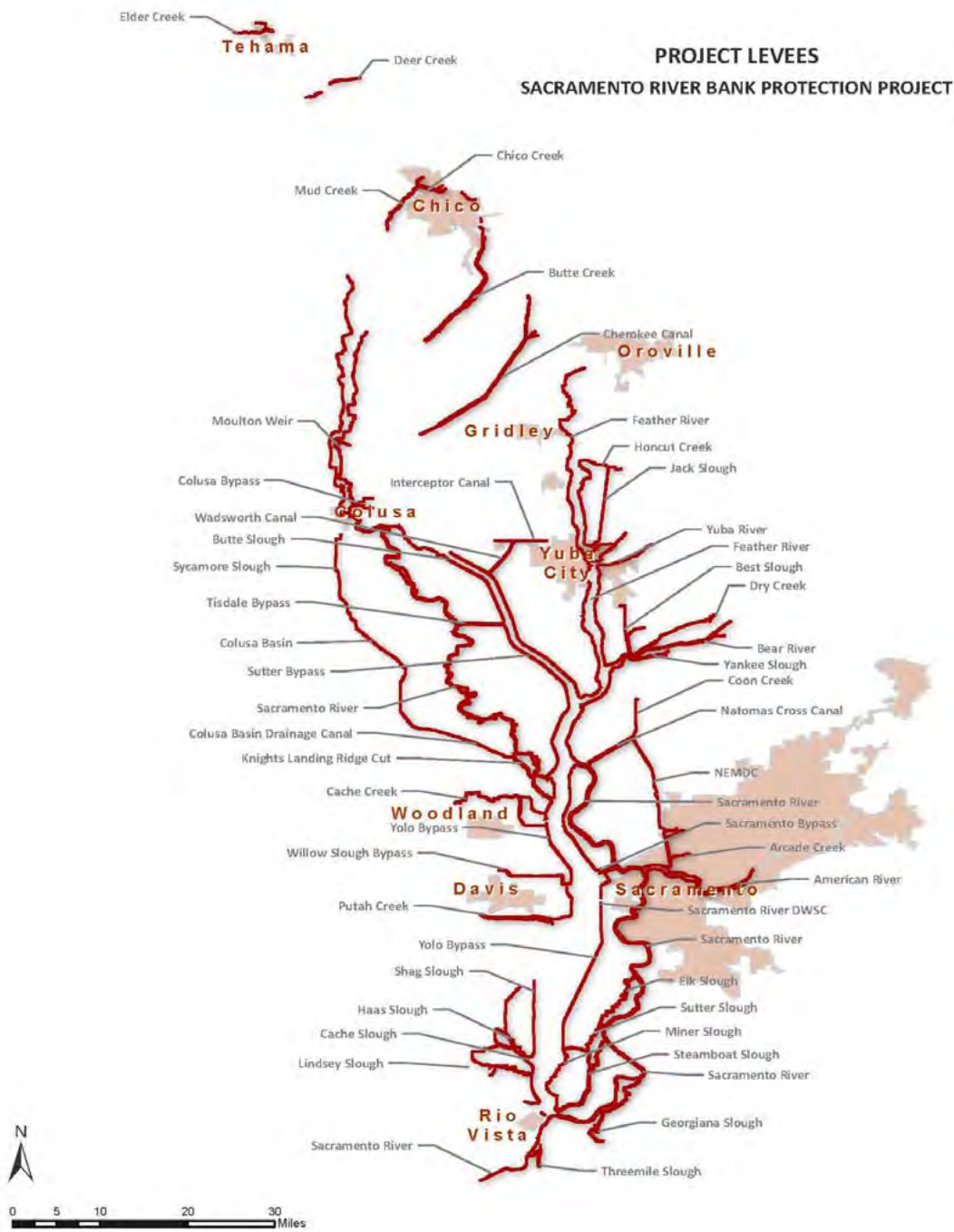
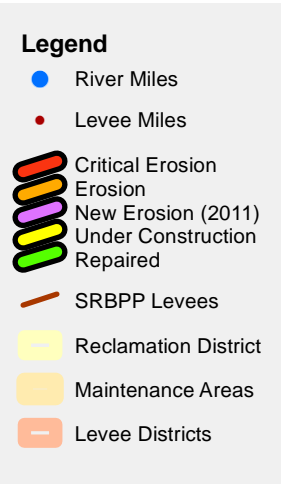
**Maintenance Areas:** Areas shown to represent DWR maintenance areas. These areas were organized in the interest with complying with Federal requirements and are maintained by DWR maintenance yards.

**Levee Districts:** Areas shown to represent Levee Districts, which are like Reclamation Districts but are only concerned with flood protection, not water supply as well.

7.0 River Location Naming Convention

Erosion and repaired sites are identified and labeled with the abbreviated waterway and river mile (or levee mile when river mile does not exist) and bank designation. This is known as the River Code.

An example of the naming convention would be: **SAC 50.6 R** This translates to: Sacramento River, River Mile 50.6, Right Bank. Note: The site label in the map plates is colored to represent the site type.



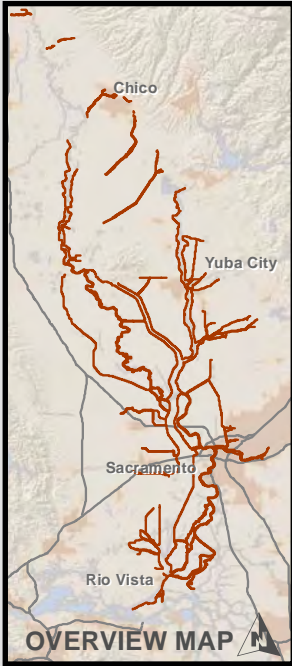


8.0 Table of Contents

Waterway; River Code - Index Maps; Plate Maps

American River (Lower); LAR – ix; 80-82	Marysville Ring Levee; MR2 – xi; 76
Arcade Creek; ACD – ix; 89	Marysville Ring Levee; MR3 – xi; 76
Bear River; BER – x; 67-69	Miner Slough; MIR – v; 44, 45
Best Slough; BES – x; 72	Moulton Weir Bypass; MLW – ii; 8
Butte Creek; BTC – i; 96-99	Mud Creek; MUD – i; 94, 95
Butte Slough; BTS – xiii; 109, 110	Natomas Cross Canal; NCC – ix; 83
Cache Creek; CHC – viii; 129-131	Natomas East Main Drain Canal (NEMDC); EMD – ix; 85-87
Cache Slough; CHS – v; 46, 47, 49, 50	Pleasant Grove Canal; PGC – ix; 84
Cherokee Canal; CHK – xii; 100-104	Putah Creek; PUC – viii; 134, 135
Chico Creek; CHI – i; 93	Sacramento Bypass; SAP – ix; 128
Colusa Basin Drain Canal; CBD – iii; 120-125	Sacramento DWSC; DWS – vii, viii; 140-143
Colusa Bypass; COB – ii; 105	Sacramento River; SAC – i, ii, iii, iv, v; 1-36
Coon Creek; COO – ix; 88	Shag Slough; SHG – vii; 147-148
Cottonwood Creek; CWC – xii; 103	Steamboat Slough; STM – vi; 41-43
Deer Creek; DEC – xv; 91, 92	Sutter Bypass; SBP – xiii, xiv; 111-117
Dry Creek (North); DCN – xi; 70, 71	Sutter Slough; STR – vii; 39, 40
Dry Creek (South, Linda Creek); DCS – ix; 89	Sycamore Creek; SYC – i; 93, 94
East Interceptor Canal; EIC – iii; 108	Sycamore Slough; SYS – iii; 118, 119
Elder Creek; ELC – xv; 90	Threemile Slough; TMS – vi; 54
Elk Slough; ELK – vi; 37, 38	Tisdale Bypass; TIB – xiii; 106
Feather River; FHR – x, xi, xii; 55-66	Ulati Creek Bypass; ULB – vi; 51
Georgiana Slough; GEO – vi; 52, 53	Wadsworth Canal; WAC – iii; 107, 108
Haas Slough; HAS – v; 49, 50	West Interceptor Canal; WIC – iii; 107
Honcut Creek; HNC – xi; 79	Western Pacific Interceptor Canal; WPC – x; 72, 73
Jack Slough; JSK – xi; 77, 78	Willow Slough Bypass; WSB – viii; 132, 133
Knights Landing Ridge Cut; KLR – xiv; 126, 127	Yankee Slough; YAS – x; 67, 68
Lindsey Slough; LDS – vi; 48	Yolo Bypass; YOL – vii, viii; 136-149
Marysville Ring Levee; MR1 – xi; 76	Yuba River; YUB – x; 74, 75

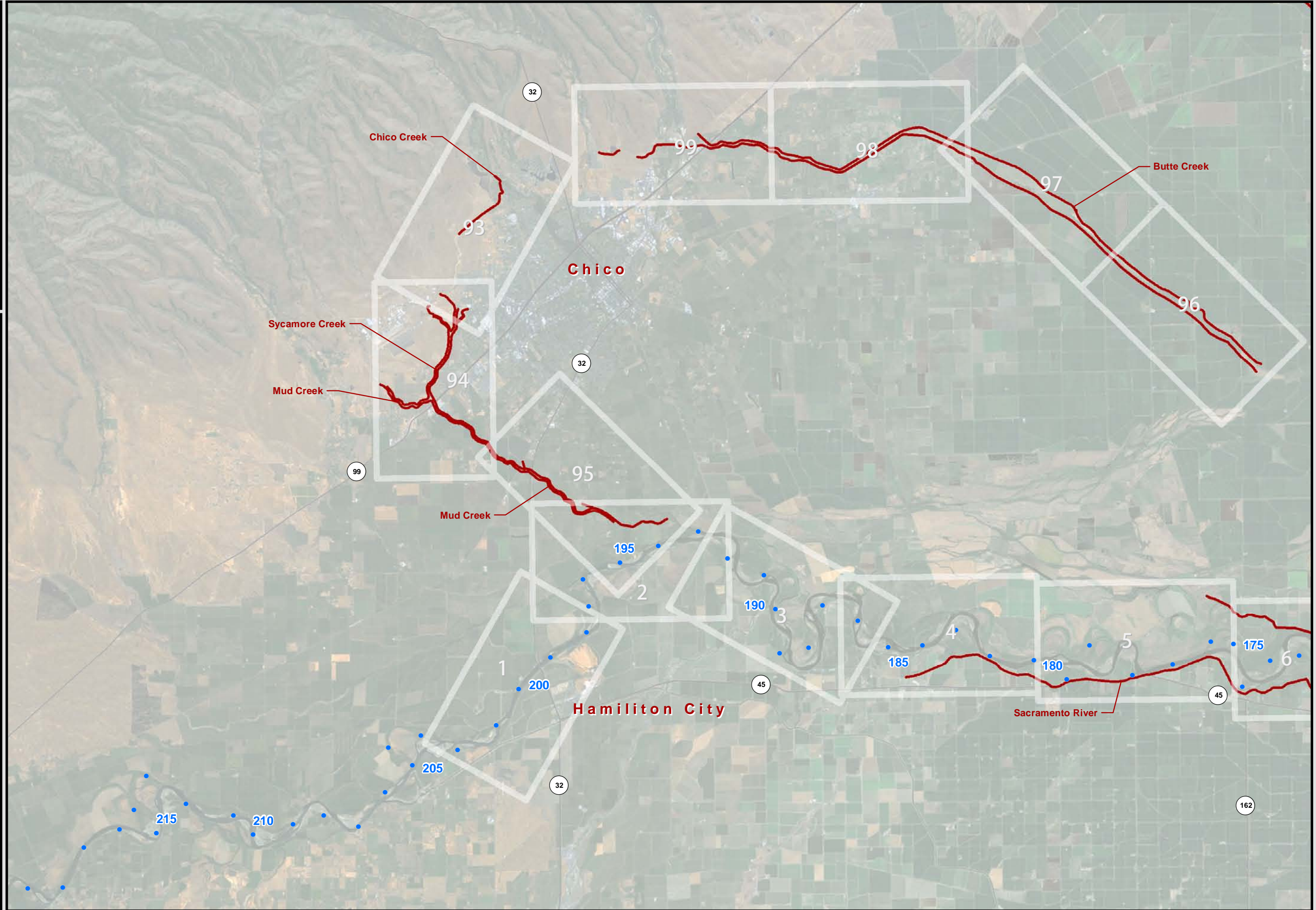




### Legend

- River Miles
- SRBPP Levees
- Map Plate Location

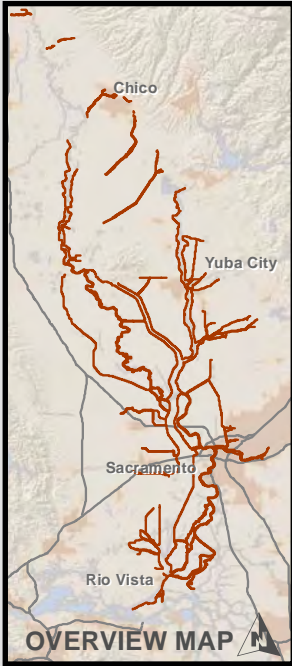
Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



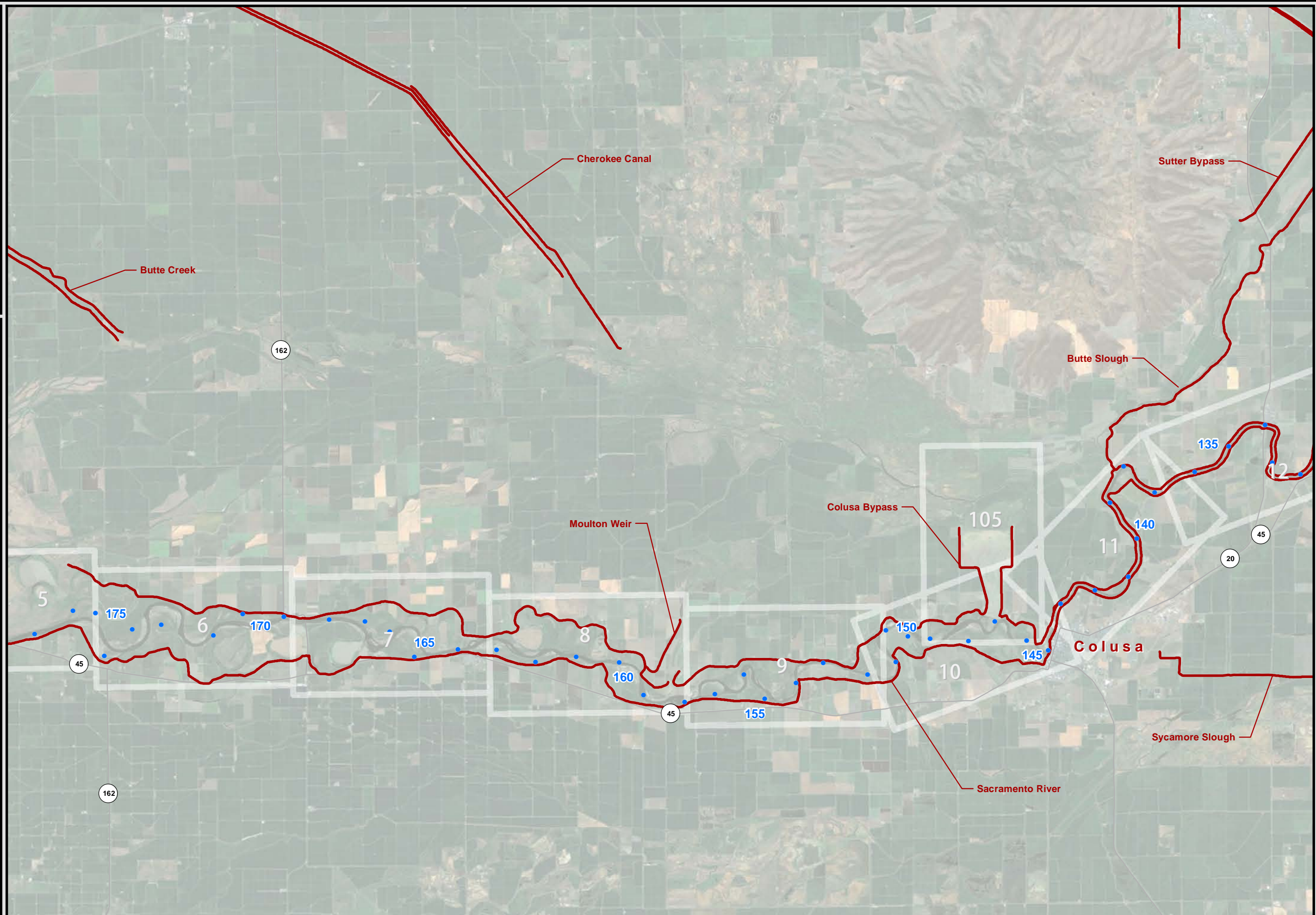
SACRAMENTO RIVER, BUTTE CREEK, CHICO CREEK, MUD CREEK, SYCAMORE CREEK

INDEX MAP: i

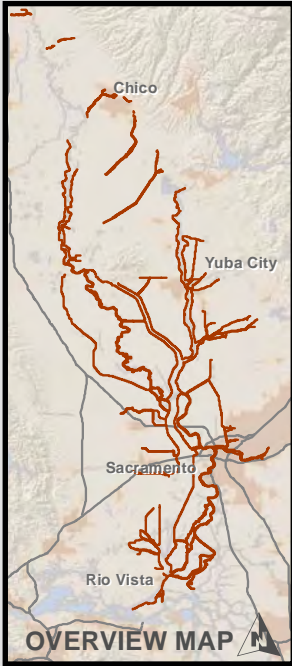




- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location
- Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA

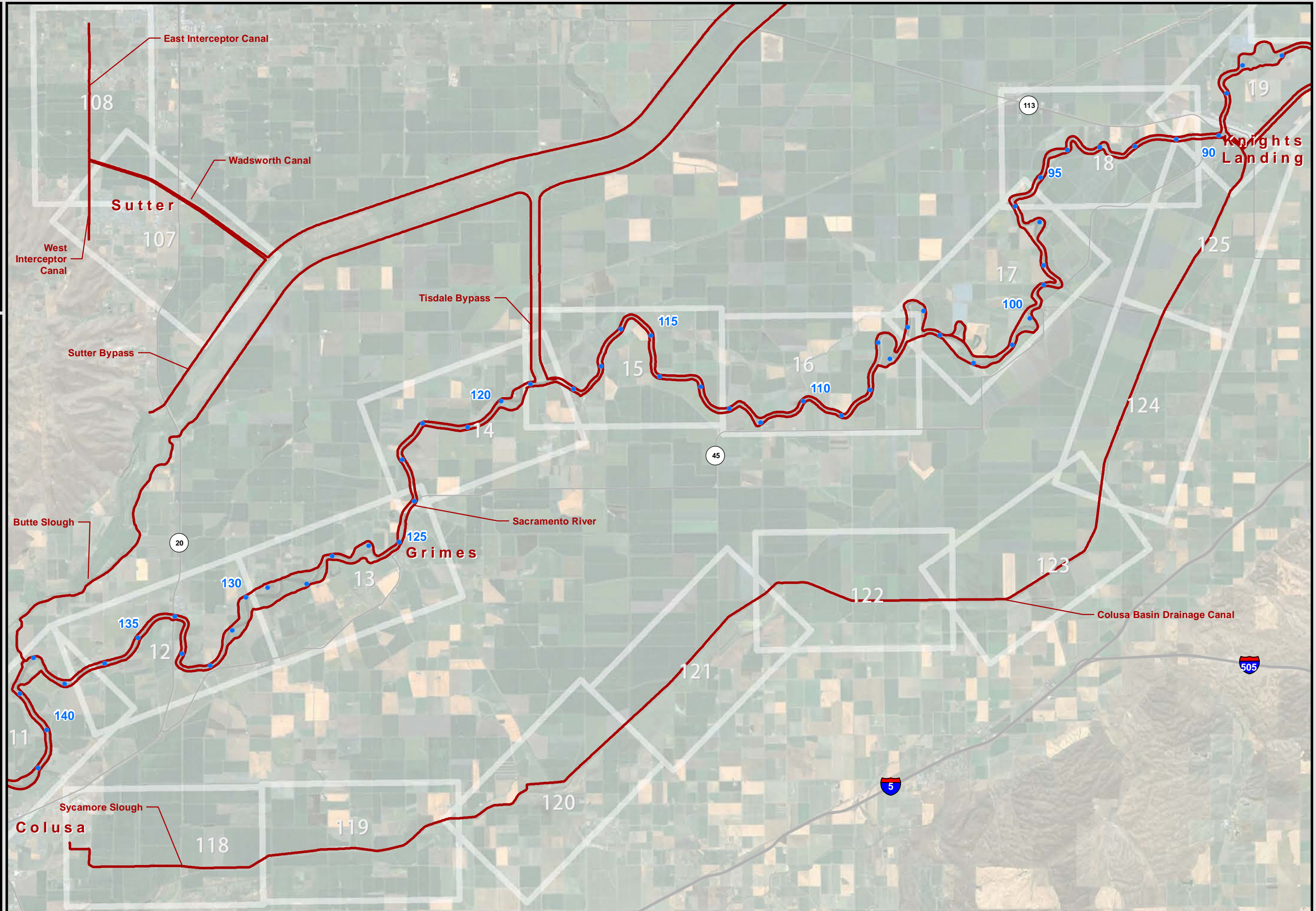






- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location

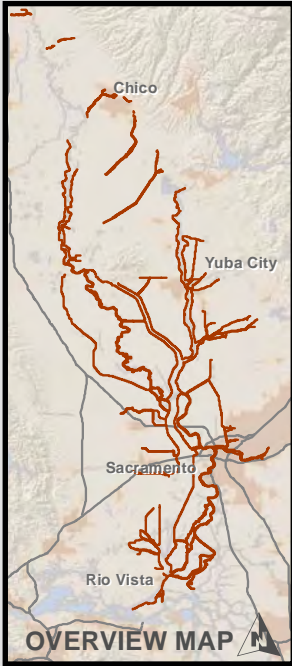
Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



SACRAMENTO RIVER, SYCAMORE SLOUGH, COLUSA BASIN DRAIN CANAL, INTERCEPTOR CANAL, WADSWORTH CANAL

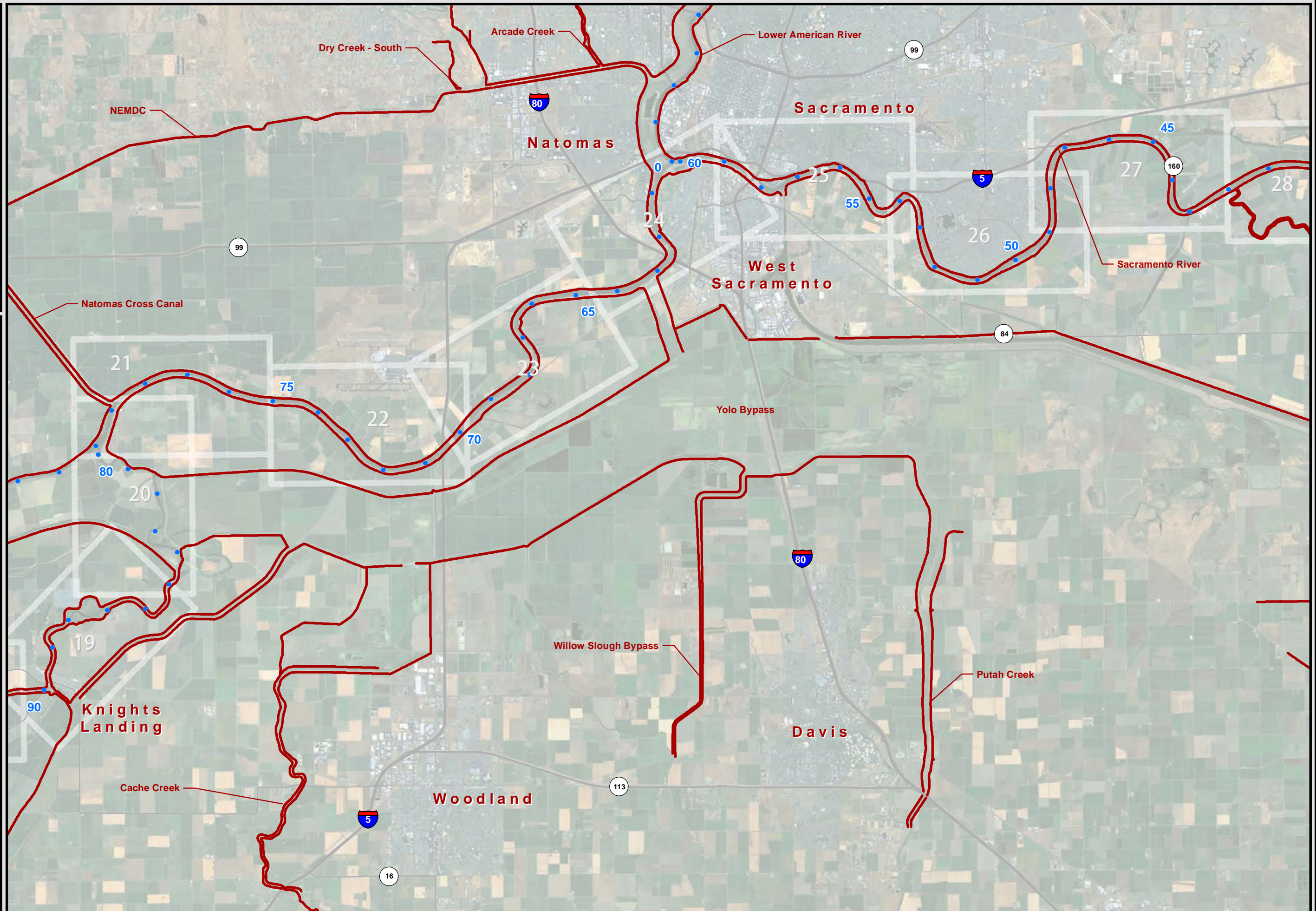
INDEX MAP: iii





- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



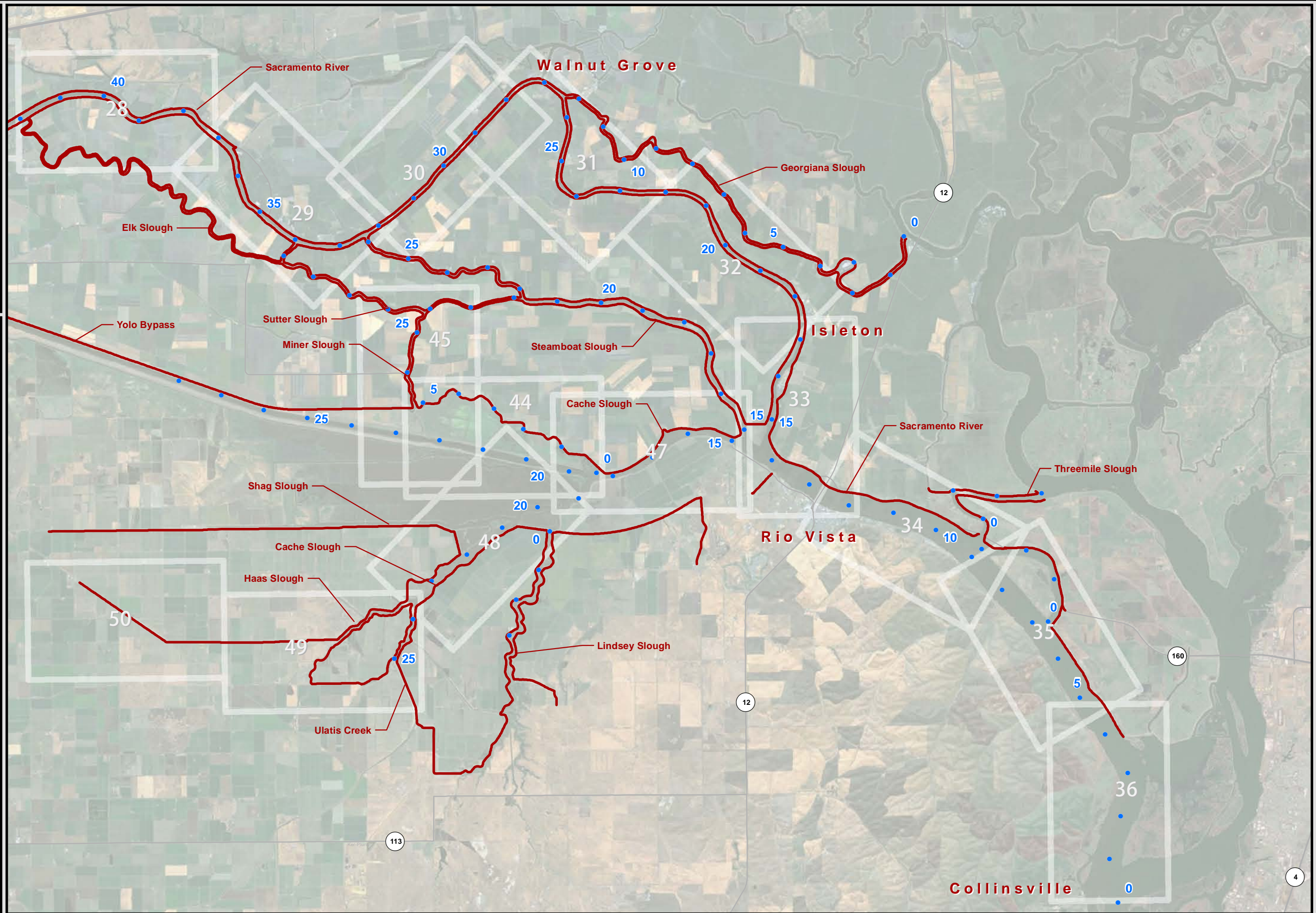




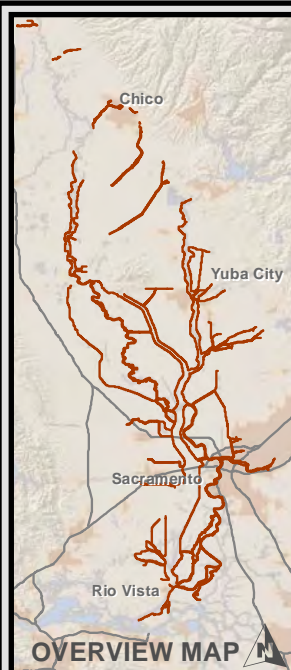
**Legend**

- River Miles
- SRBPP Levees
- Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



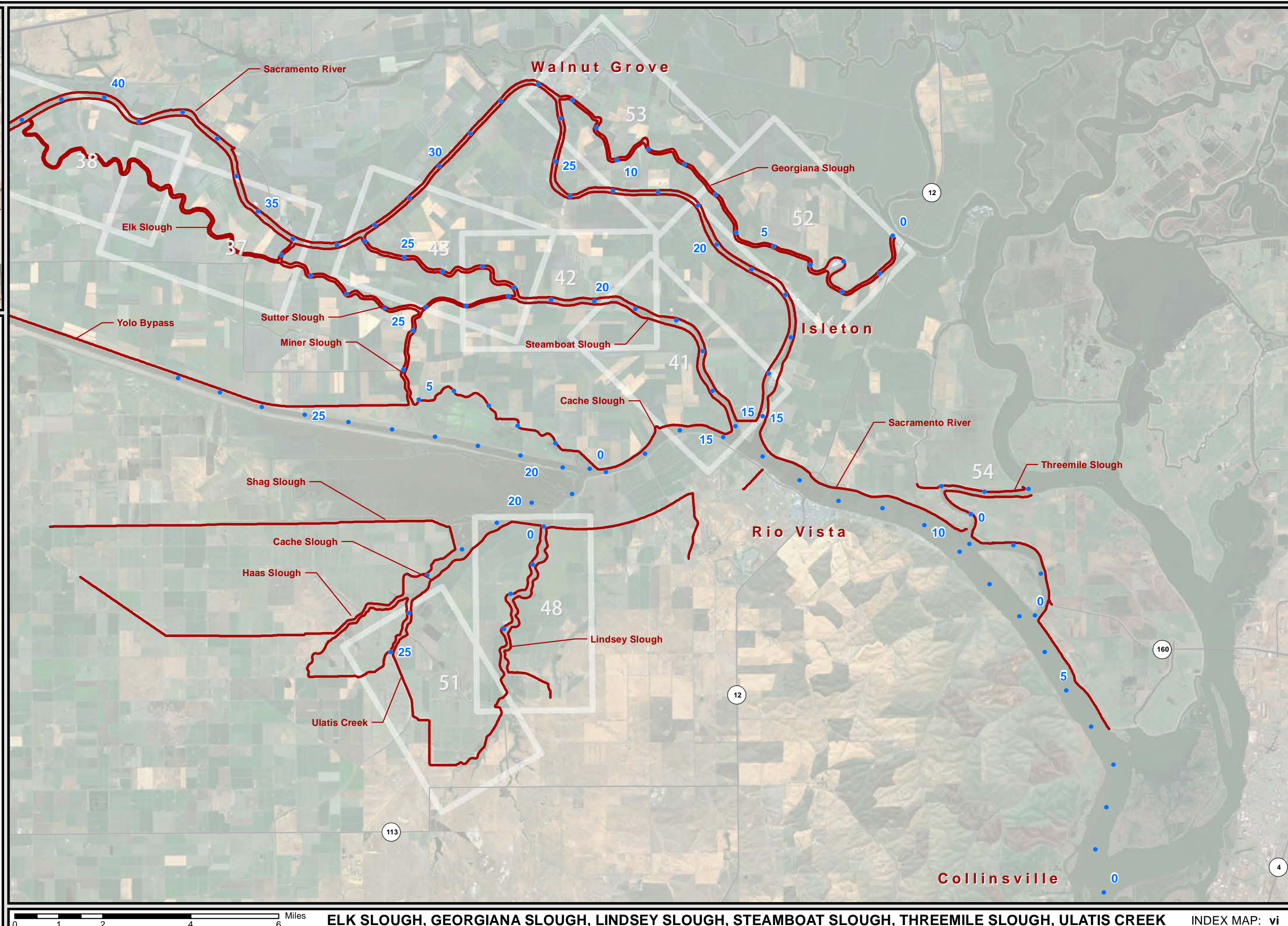




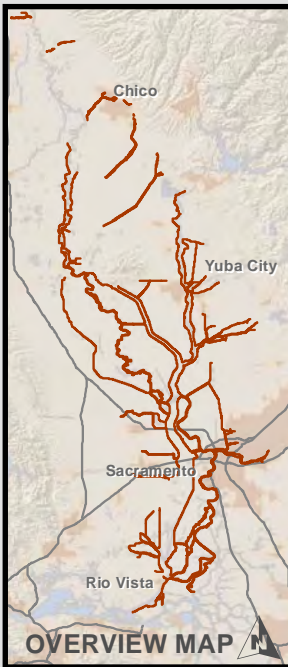
### Legend

- River Miles
- SRBPP Levees
- Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



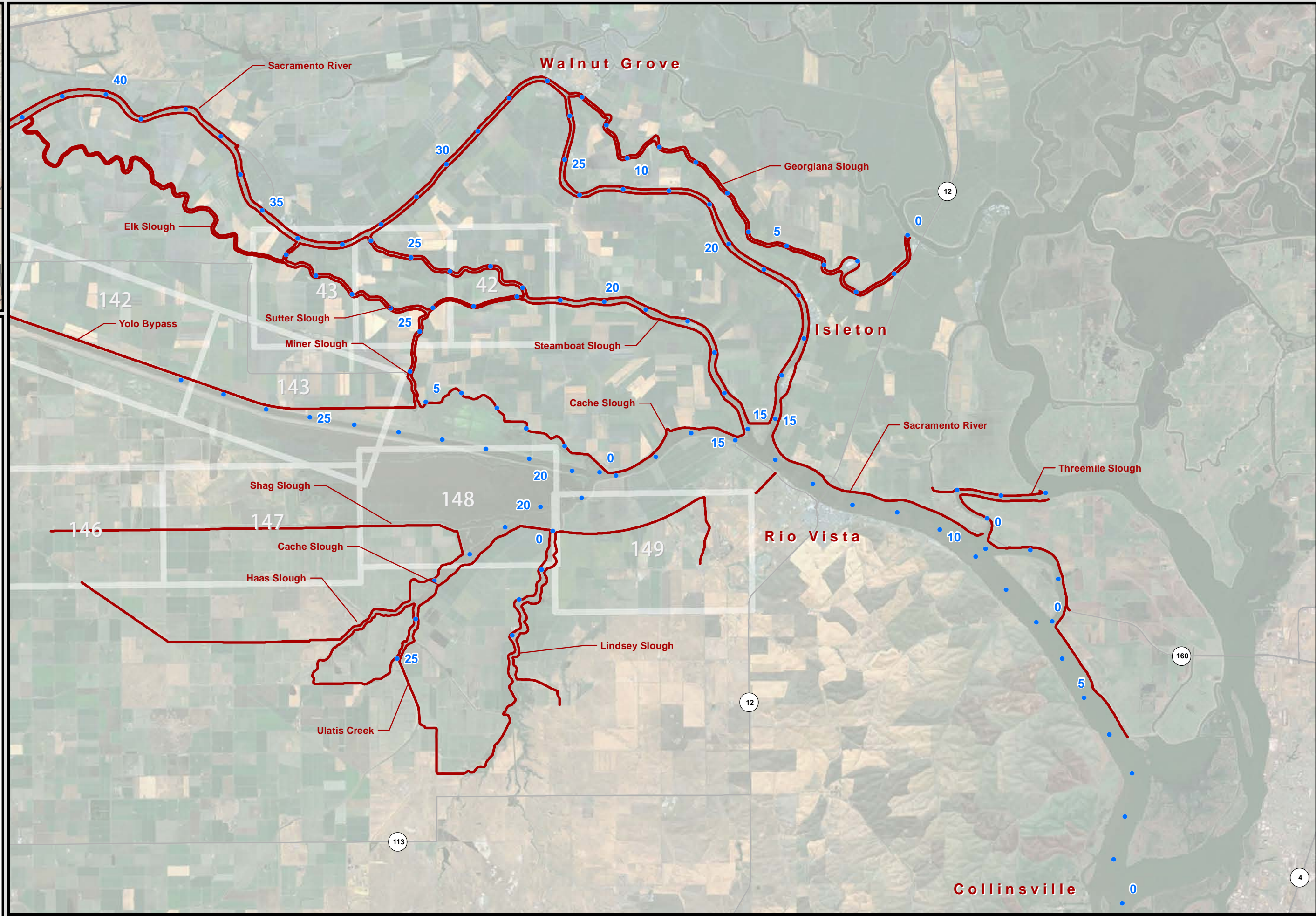




**Legend**

- River Miles
- SRBPP Levees
- Map Plate Location

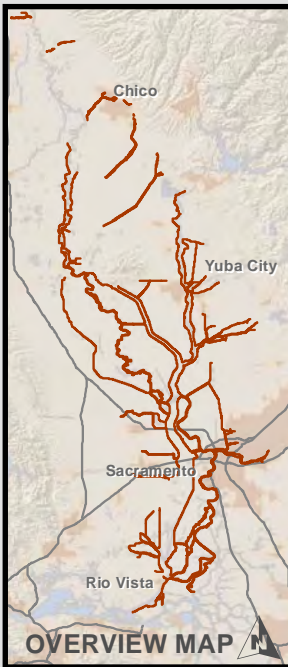
Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA







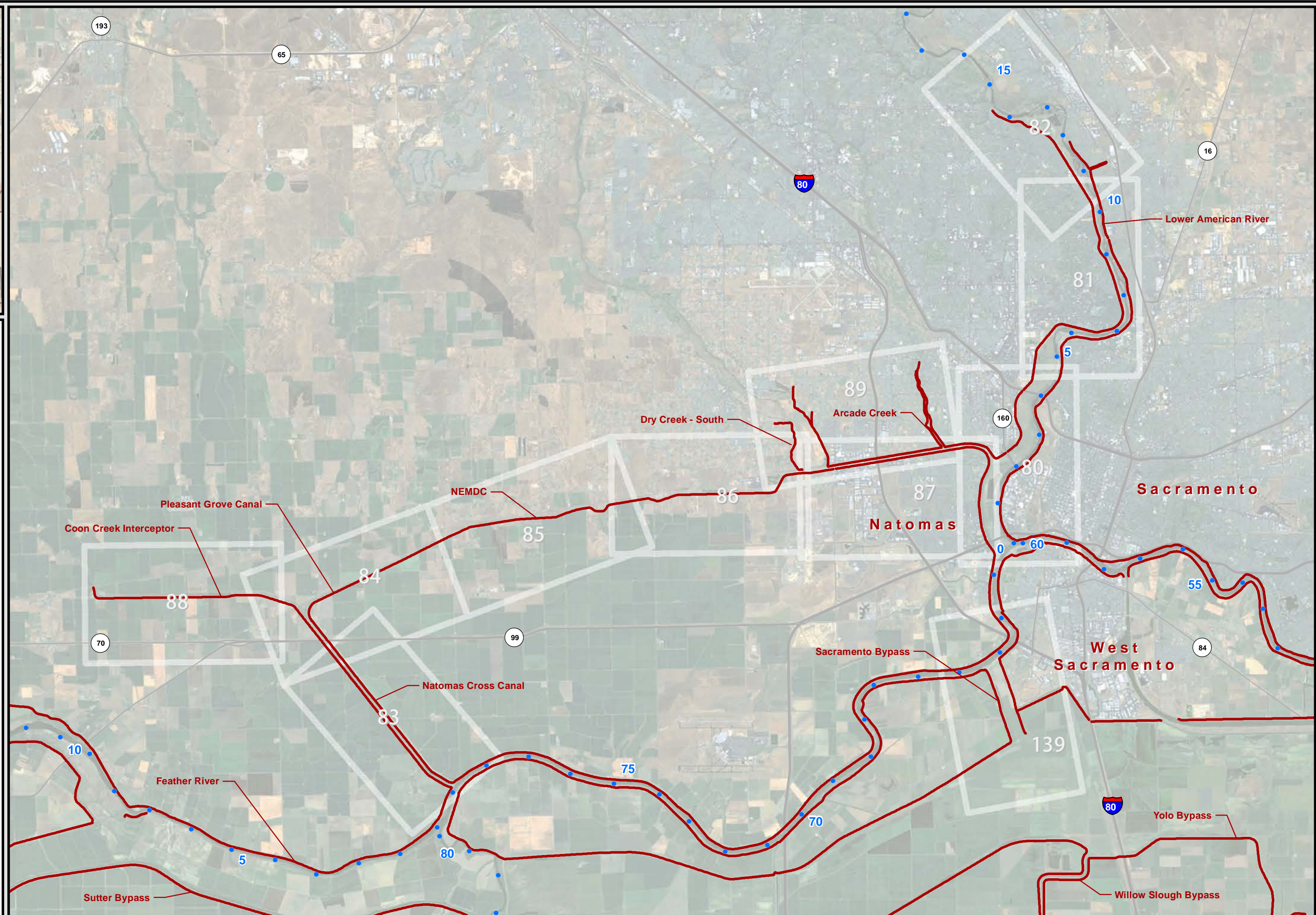




### Legend

- River Miles
- SRBPP Levees
- Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



LOWER AMERICAN R., COON CR., ARCADE CR., DRY CR. SOUTH, PLEASANT GROVE CANAL, NATOMAS CROSS C., NEMDC, SACRAMENTO BYPASS

INDEX MAP: ix

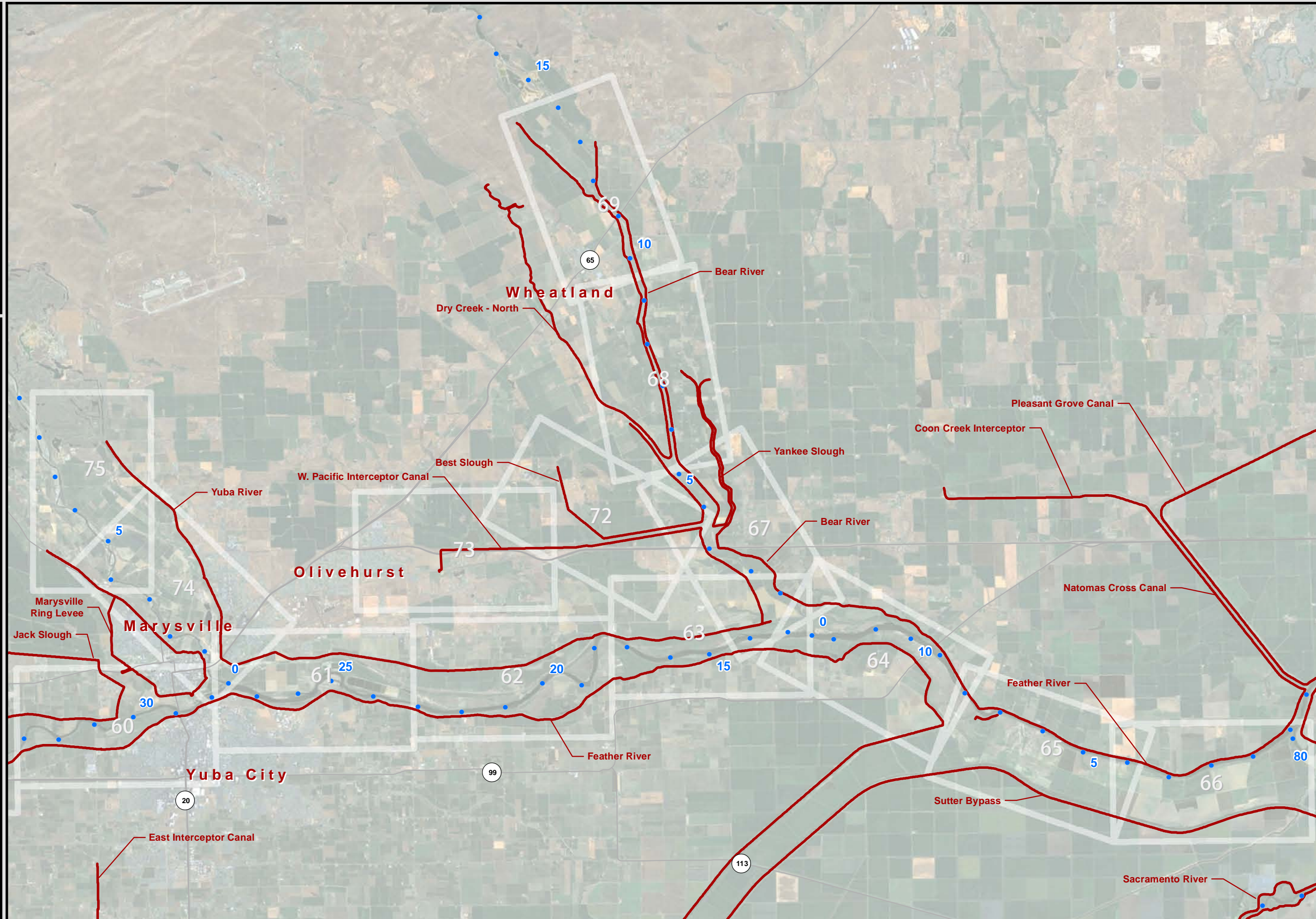




**Legend**

- River Miles
- SRBPP Levees
- Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



BEAR RIVER, BEST SLOUGH, FEATHER RIVER, YANKEE SLOUGH, W. PACIFIC INTERCEPTOR CANAL, YUBA RIVER

INDEX MAP: x





**Legend**

- River Miles
- SRBPP Levees
- Map Plate Location

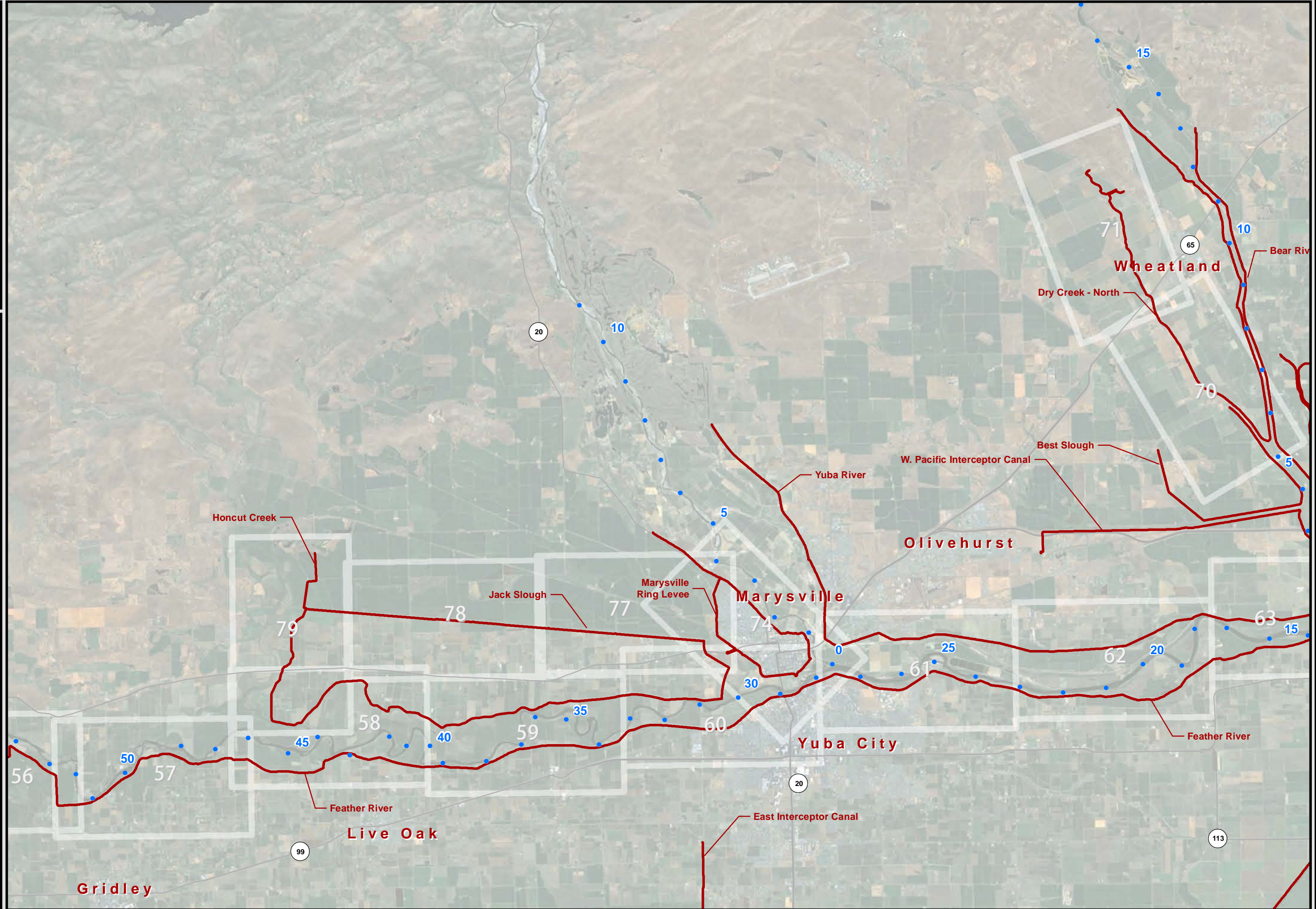
Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



  
Sacramento River  
Bank Protection  
Project

  
US Army Corps  
of Engineers  
Sacramento District





DRY CREEK NORTH, FEATHER RIVER, HONCUT CREEK, JACK SLOUGH, MARYSVILLE RING LEVEE

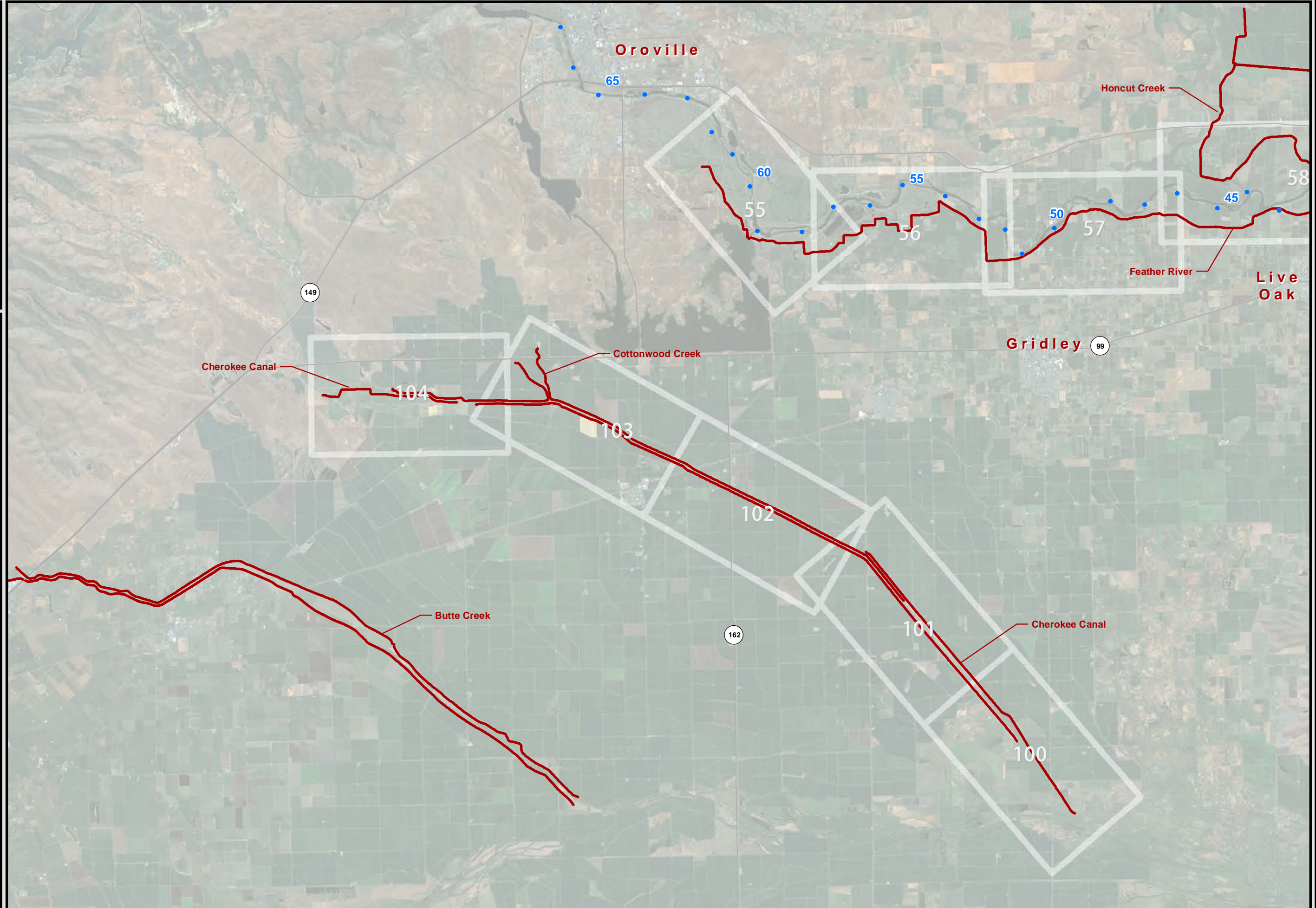
INDEX MAP: xi



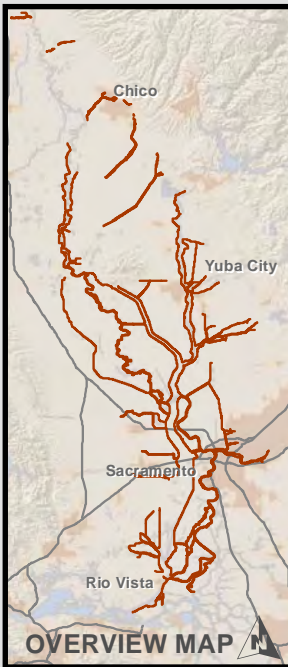


- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



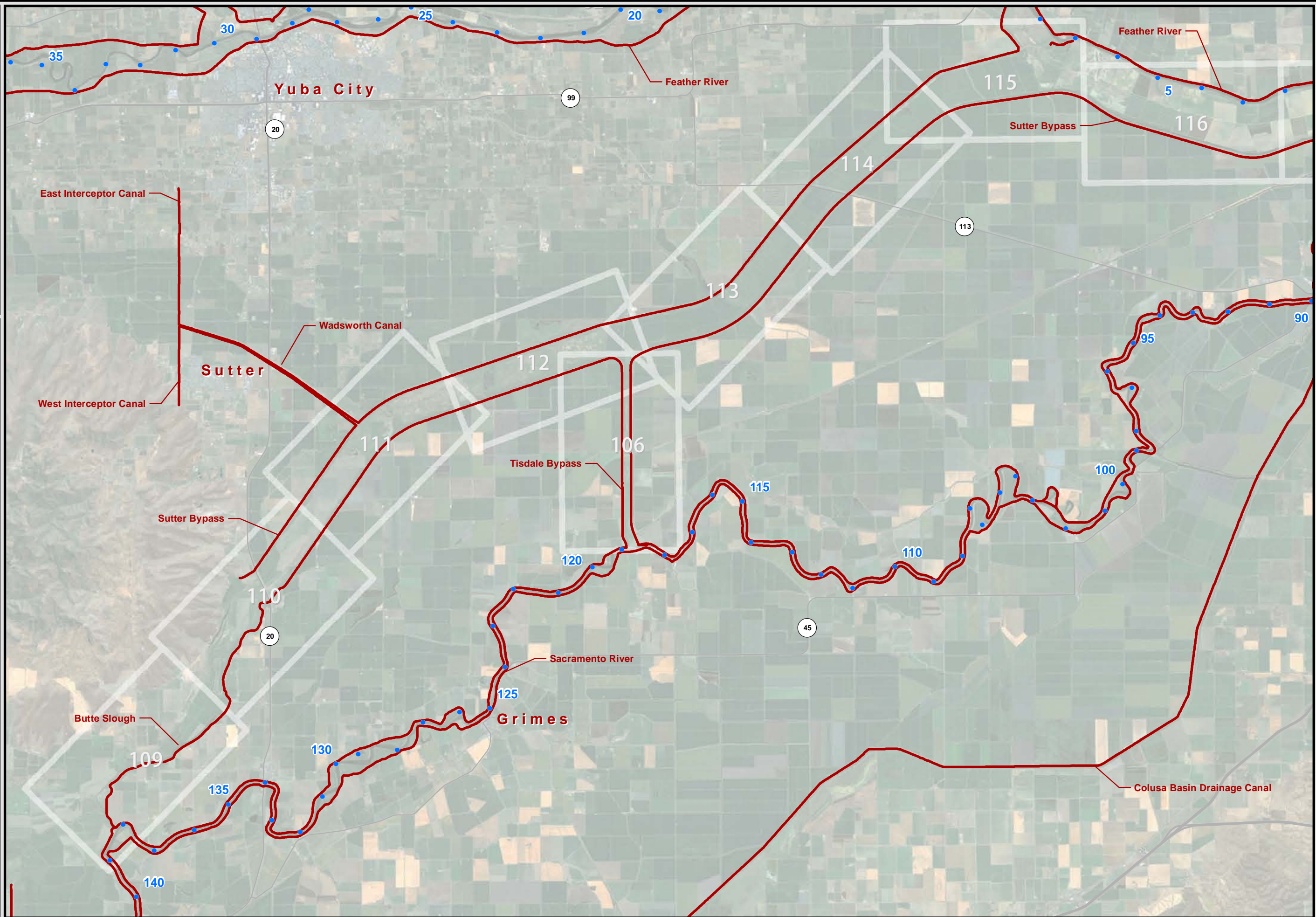




**Legend**

- River Miles
- SRBPP Levees
- Map Plate Location

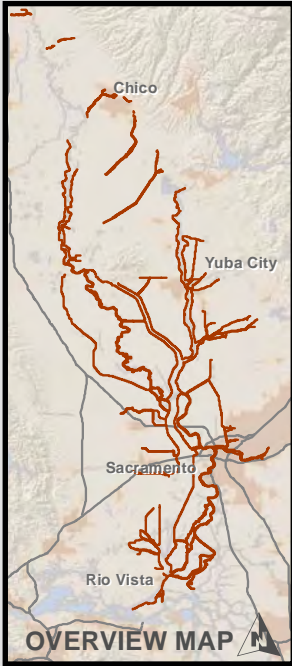
Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA



0 1 2 4 6 Miles

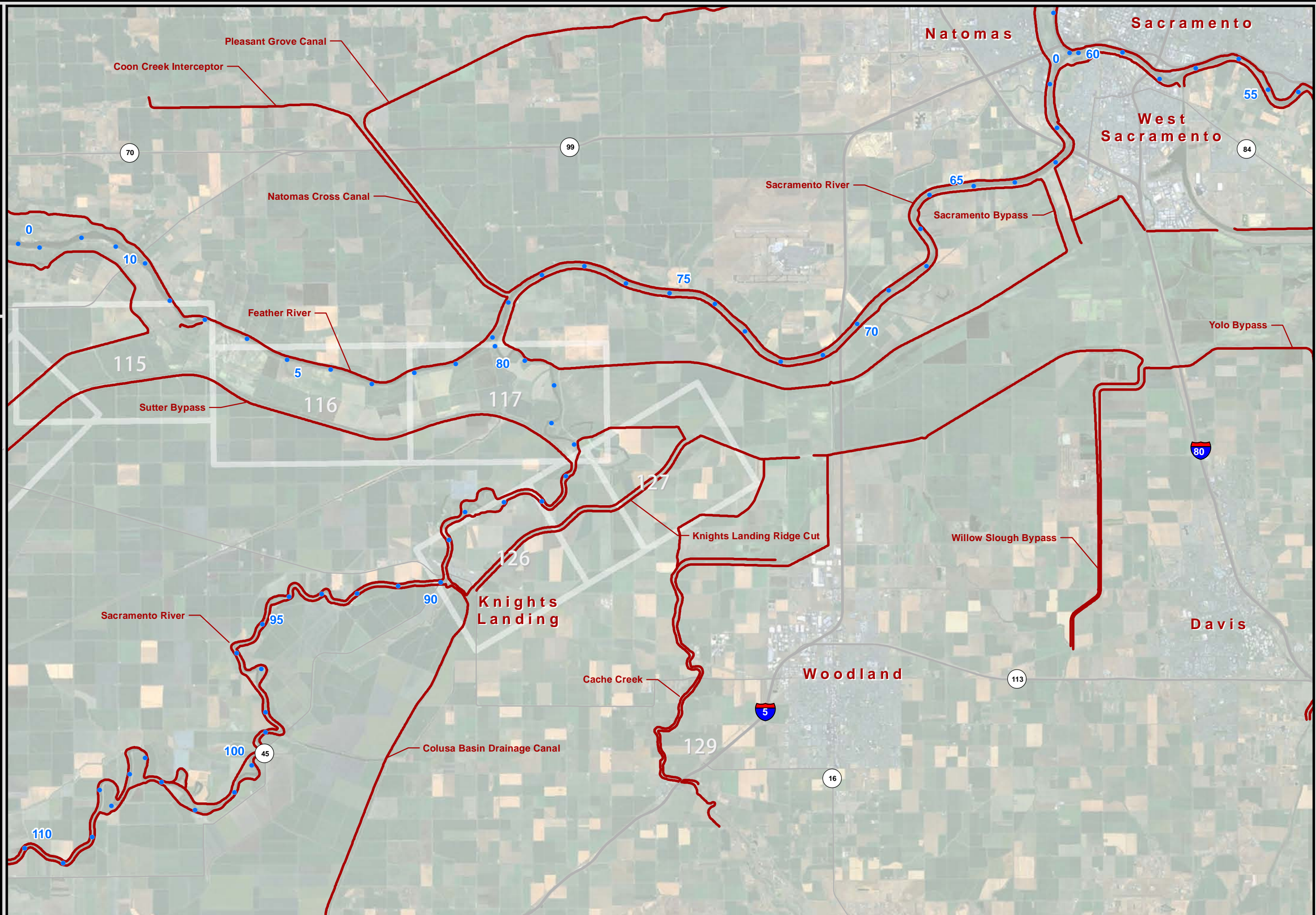
BUTTE SLOUGH, SUTTER BYPASS, TISDALE BYPASS INDEX MAP: xiii



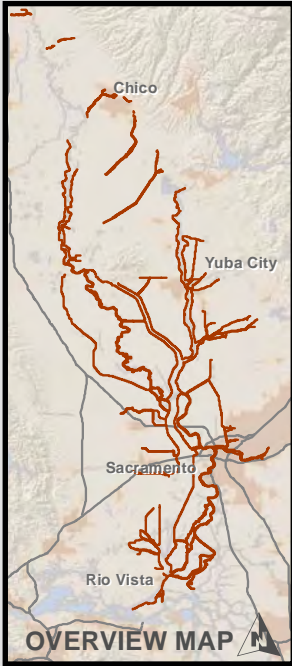


- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA

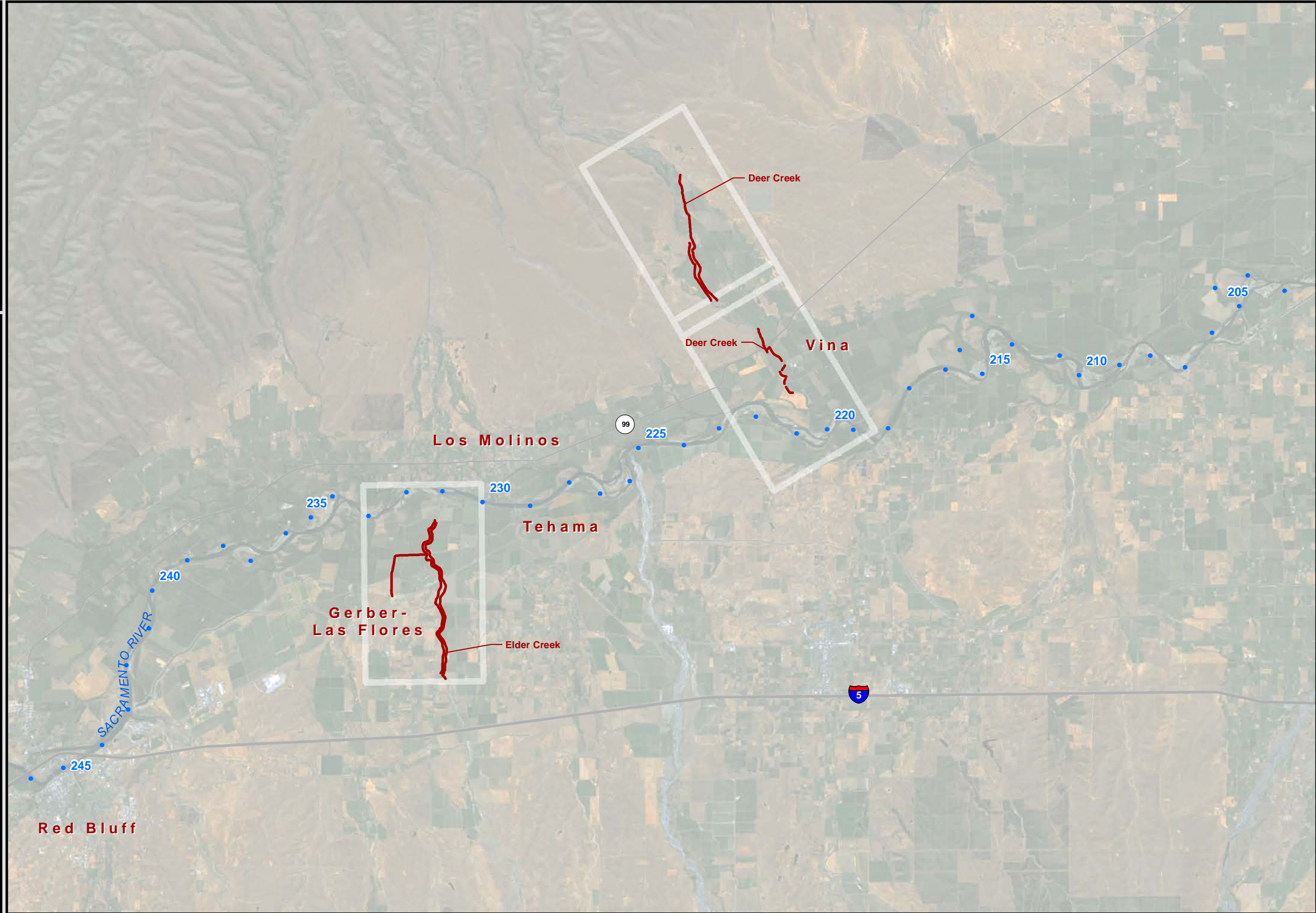




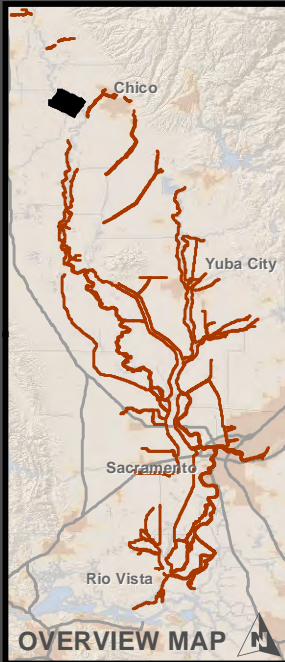


- Legend**
- River Miles
  - SRBPP Levees
  - Map Plate Location

Aerial Imagery Source:  
ESRI Online Data Resources,  
1m NAIP 2010, USDA FSA





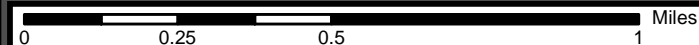


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

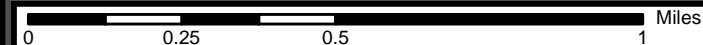
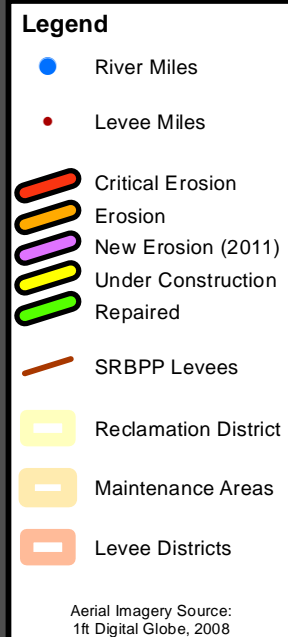
Aerial Imagery Source:  
1ft Digital Globe, 2008



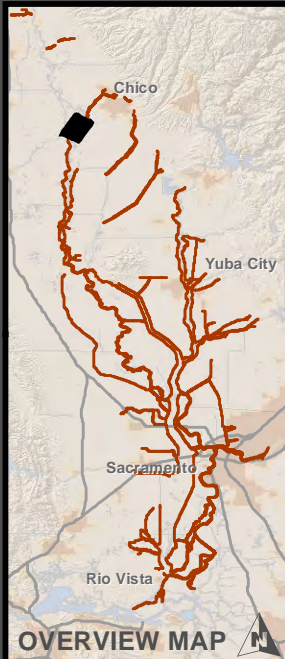
The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.











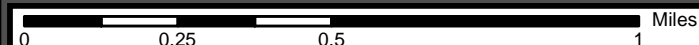
### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▬ Reclamation District
- ▬ Maintenance Areas
- ▬ Levee Districts

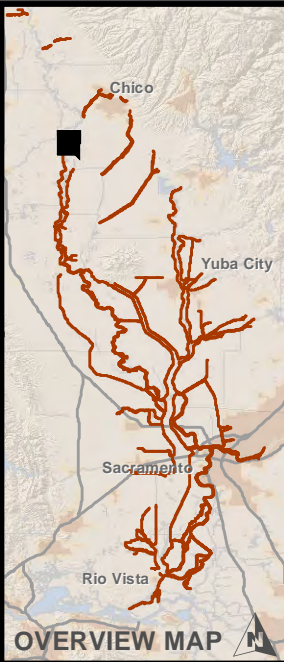
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







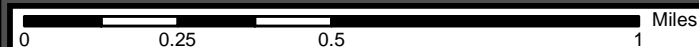
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

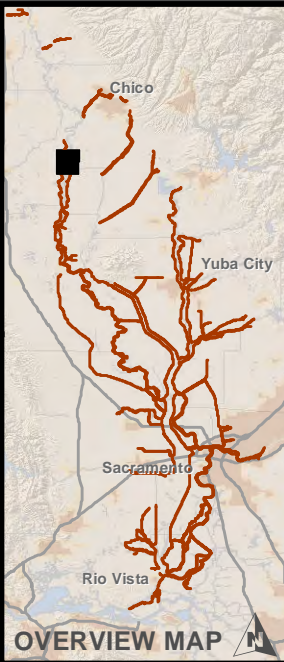
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







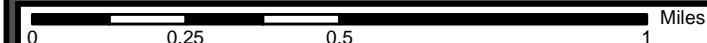
### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▭ Reclamation District
- ▭ Maintenance Areas
- ▭ Levee Districts

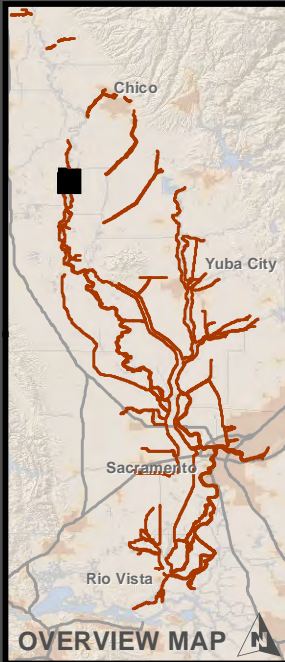
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

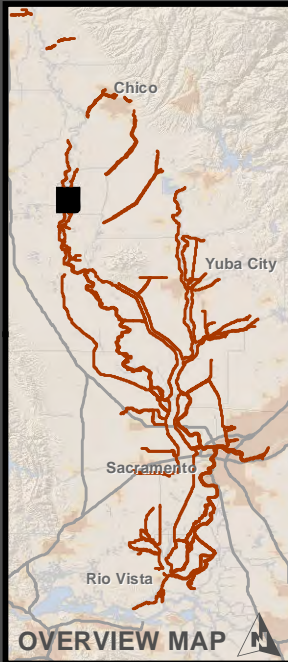
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





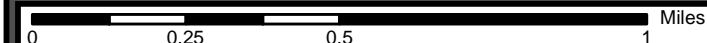


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

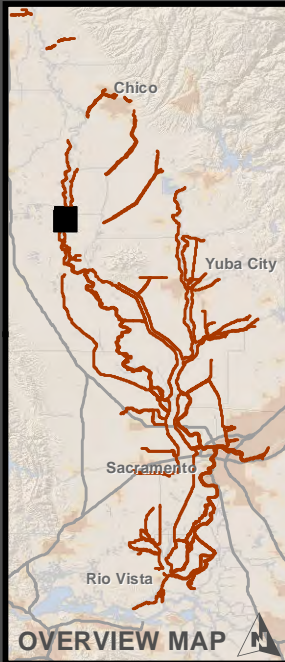
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

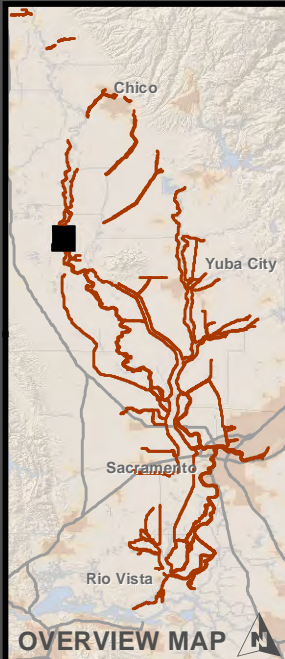
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







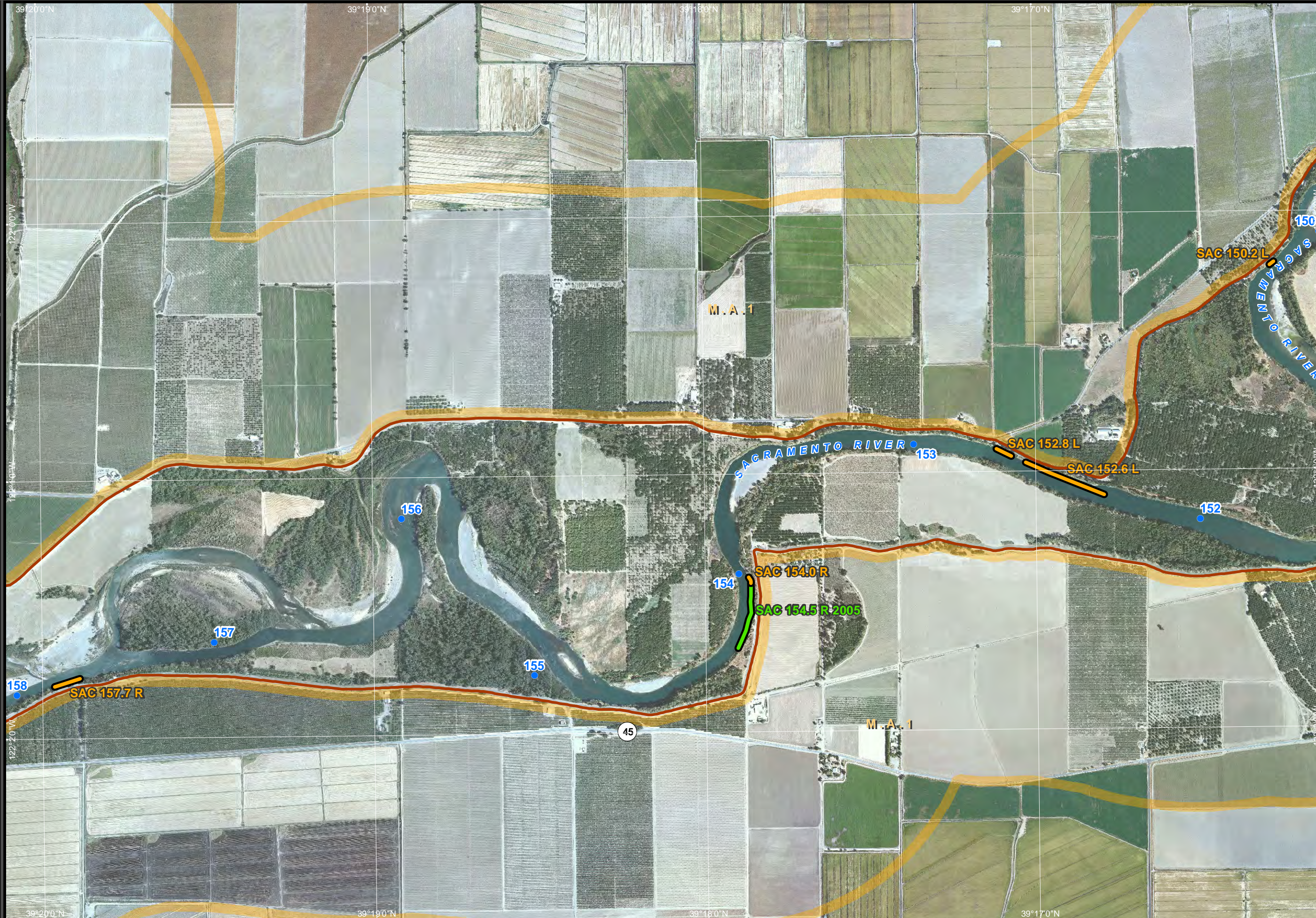
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008

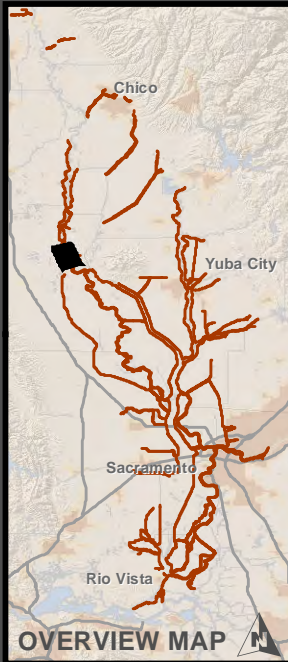


The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



0 0.25 0.5 1 Miles





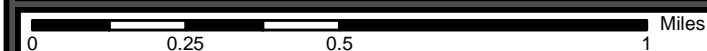
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

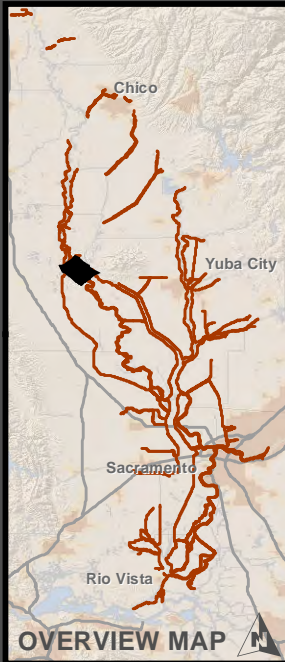
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

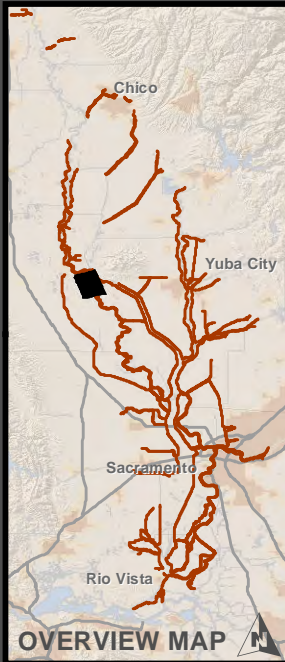
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







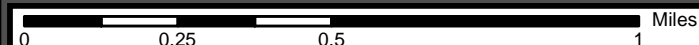
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

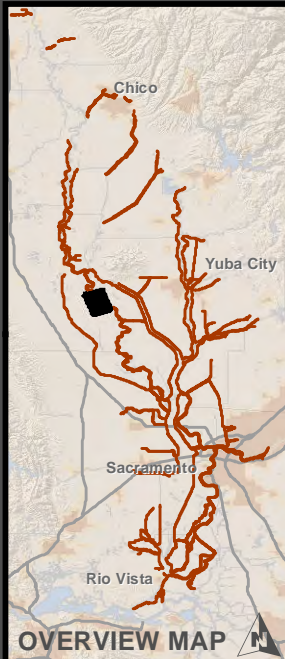
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







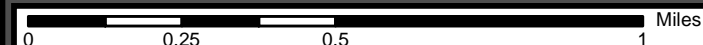
### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▬ Reclamation District
- ▬ Maintenance Areas
- ▬ Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

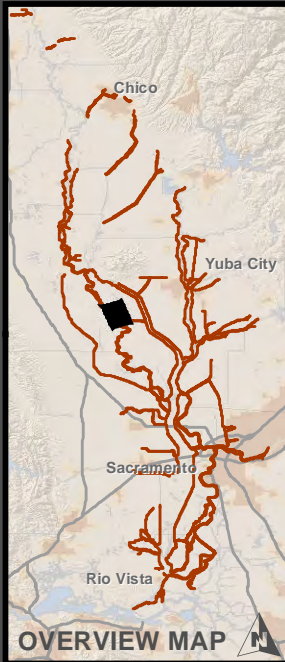


SACRAMENTO RIVER

Annual Inventory

PLATE: 13





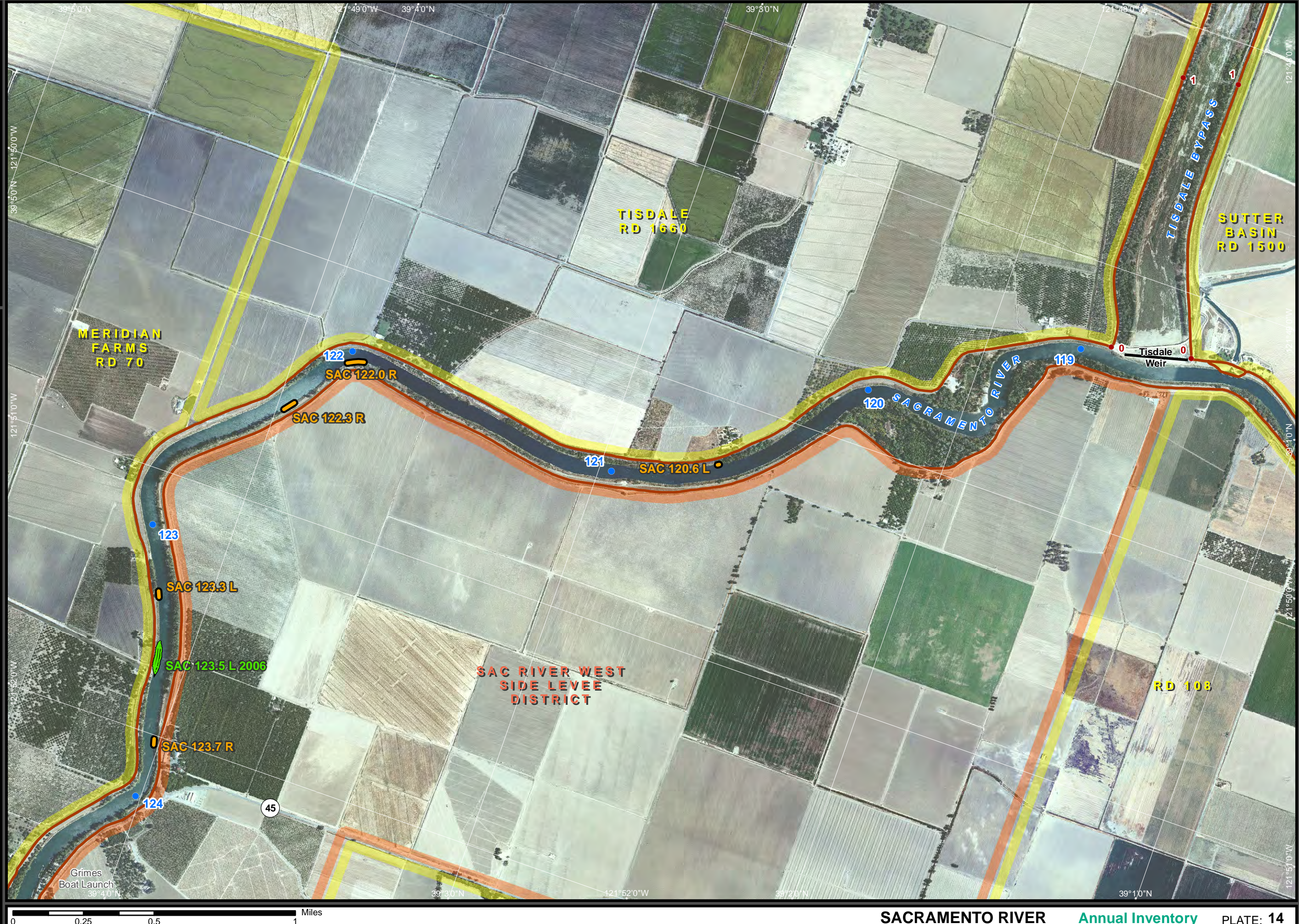
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

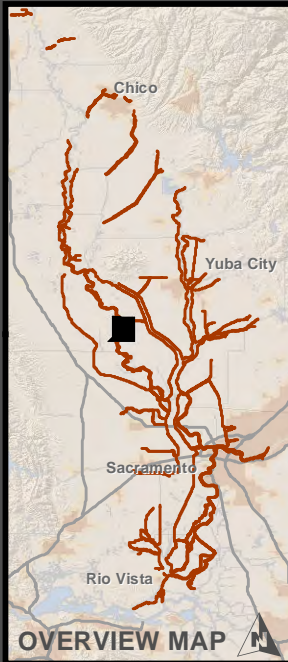
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





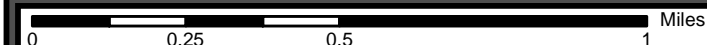
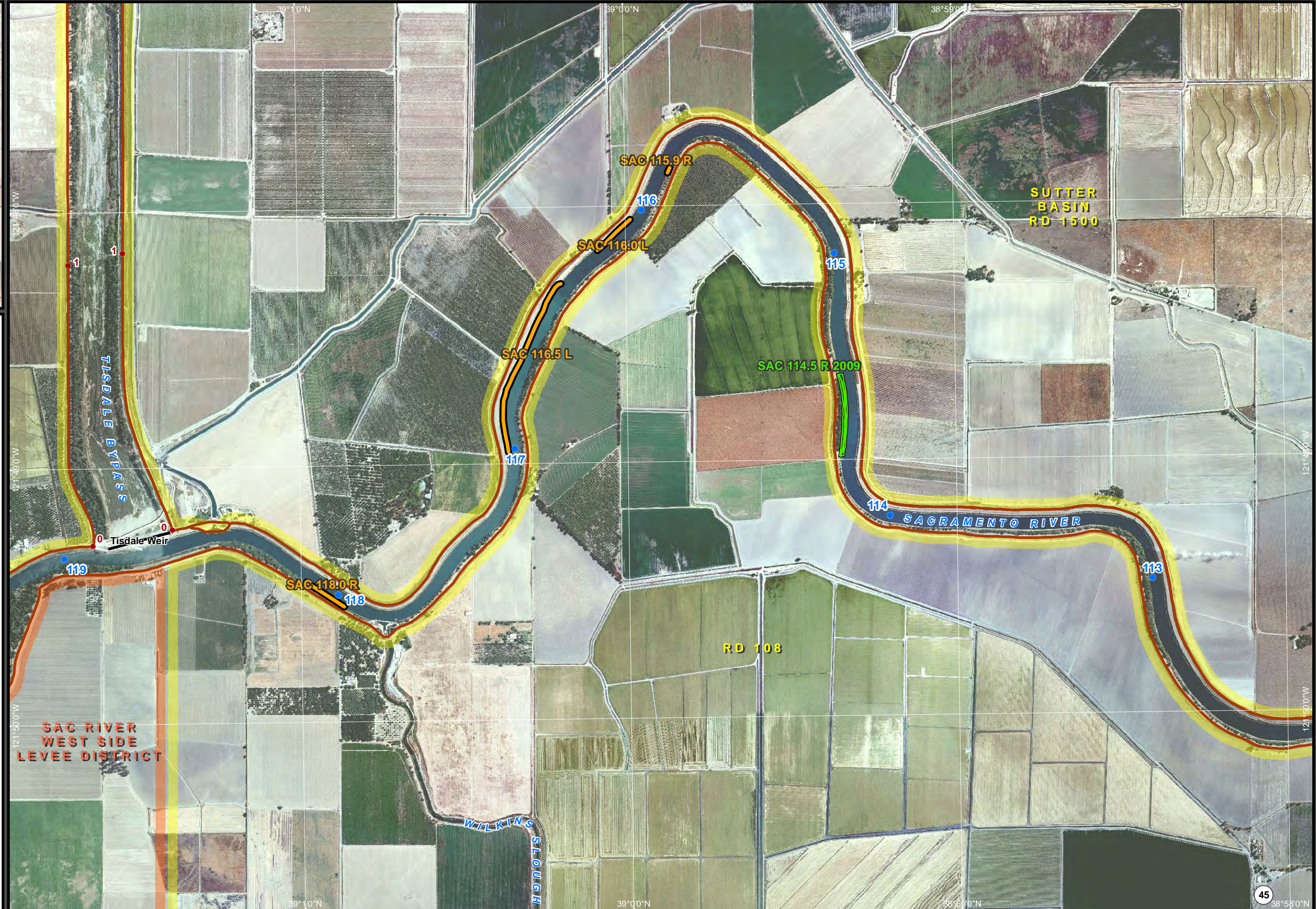


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

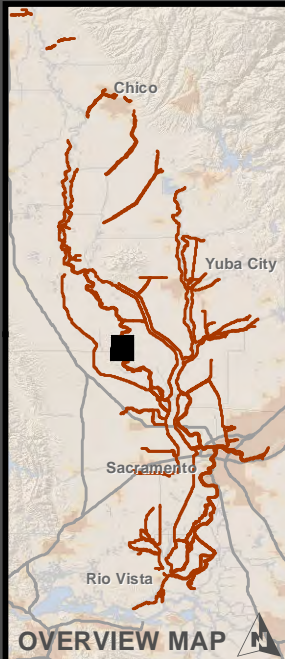
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





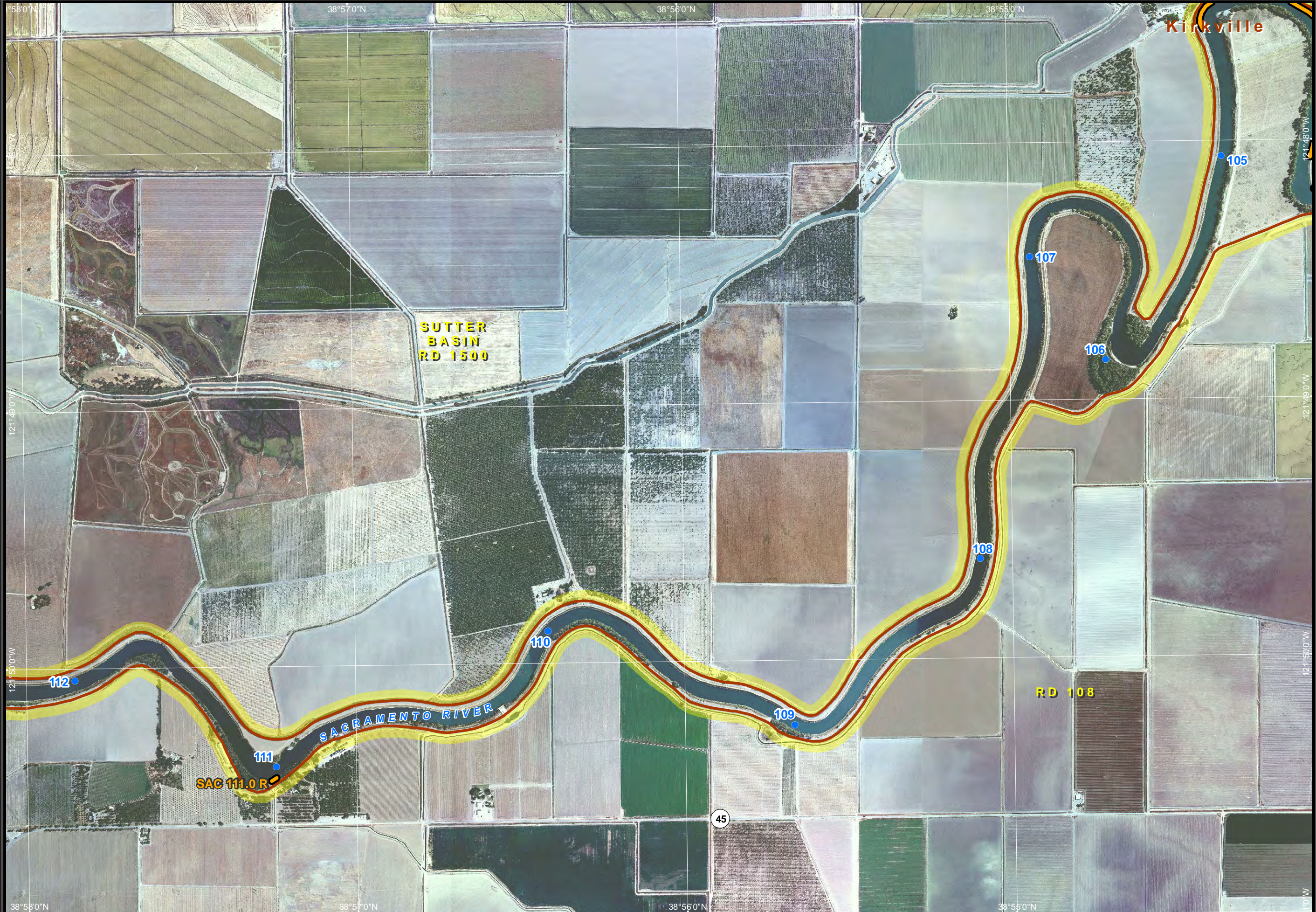


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

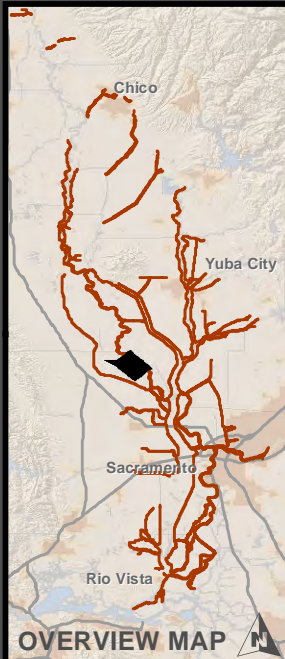
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







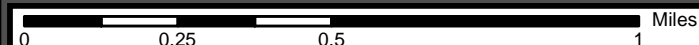
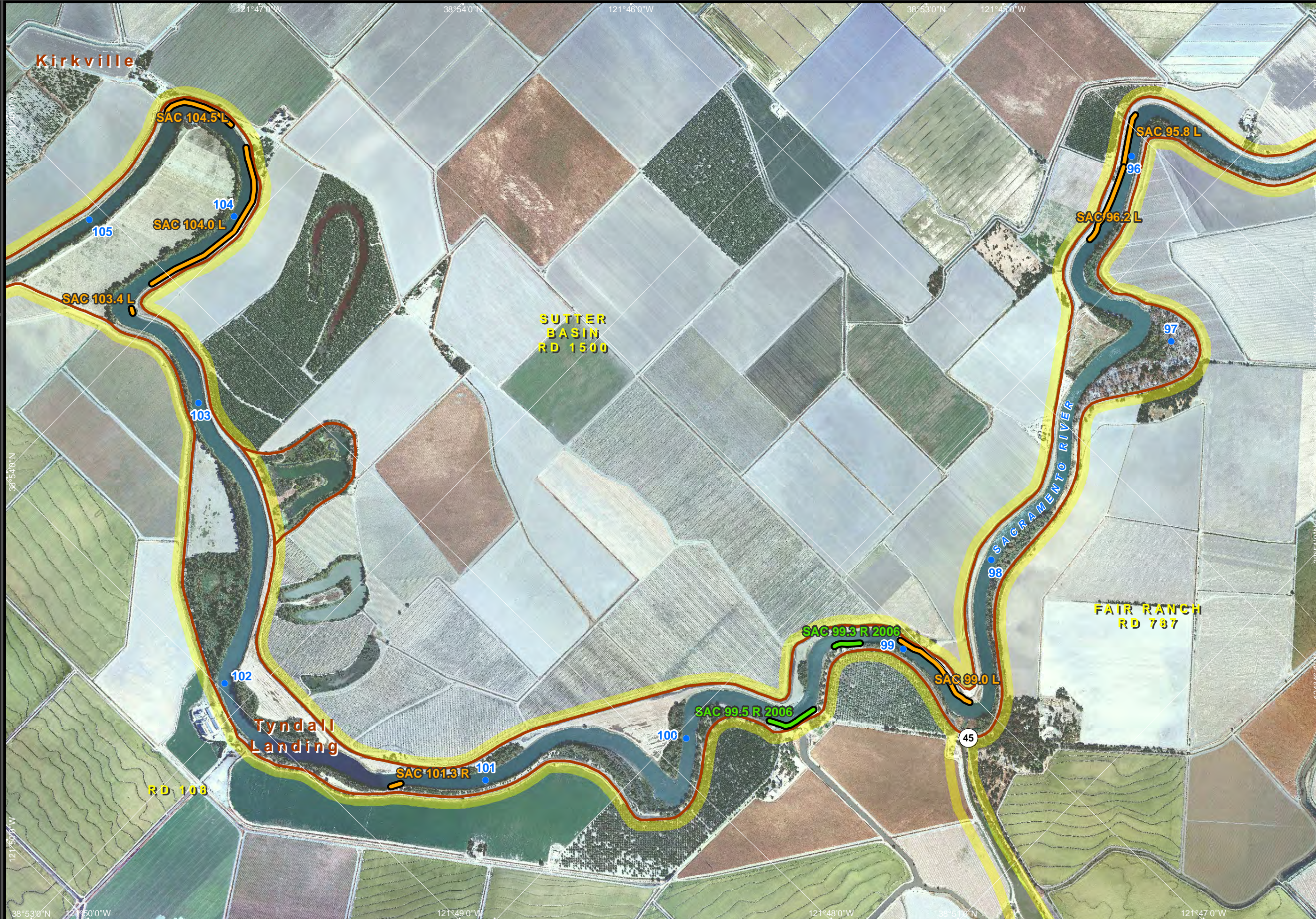
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

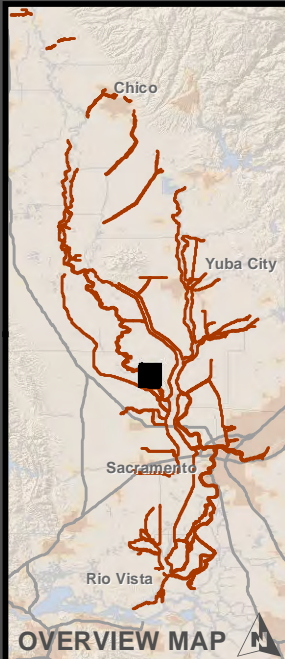
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







OVERVIEW MAP

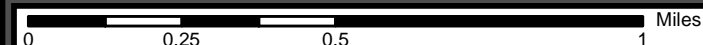
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

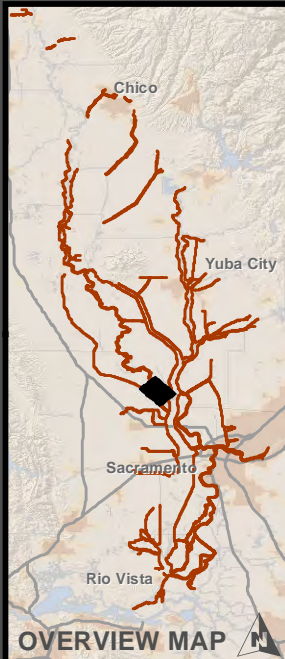
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



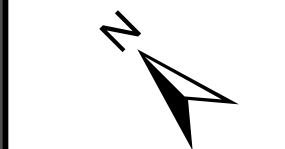




**Legend**

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

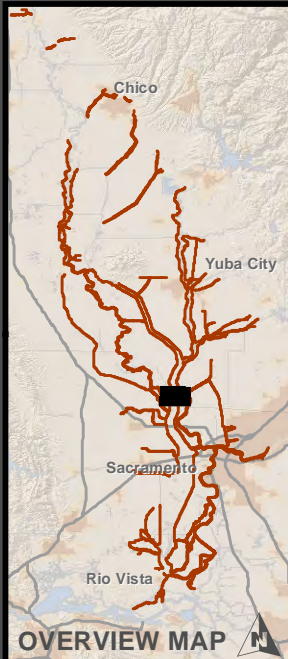
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





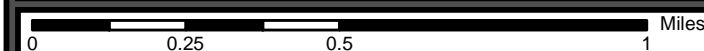


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

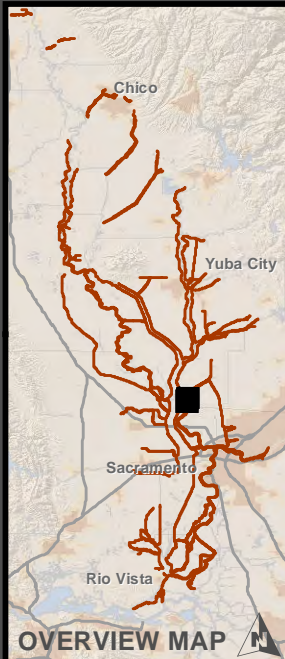
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



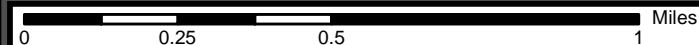




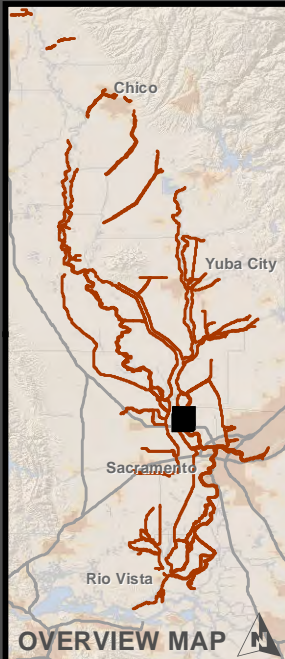
- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts
- Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







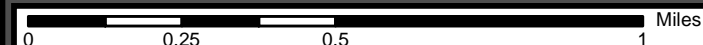
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

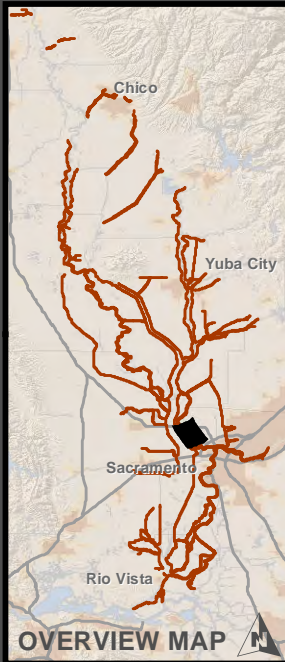
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



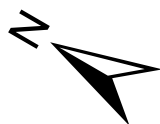




### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▬ Reclamation District
- ▬ Maintenance Areas
- ▬ Levee Districts

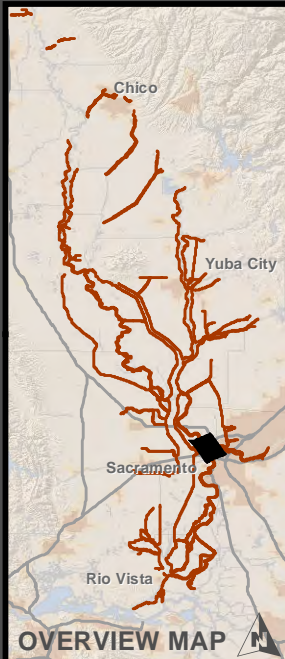
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



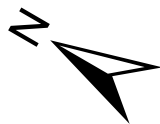




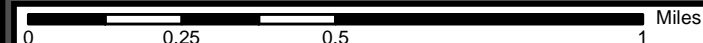
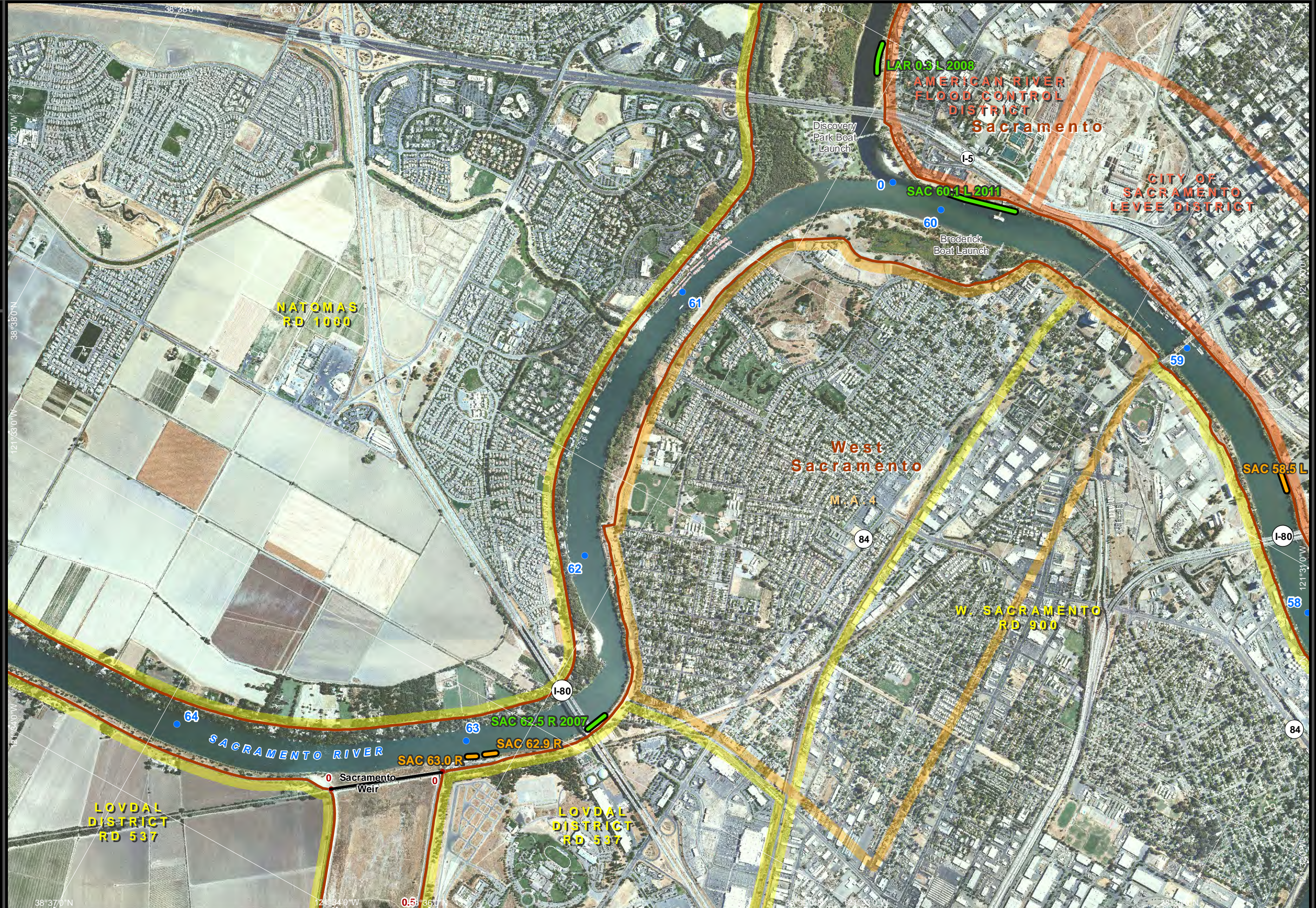
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

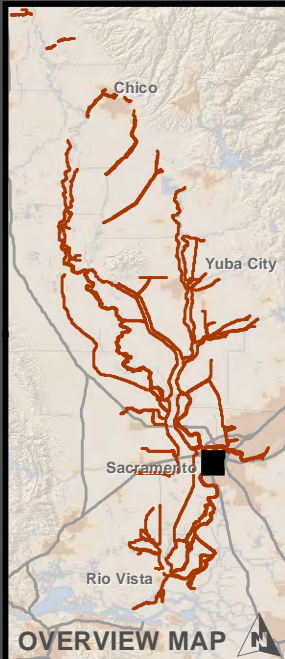
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







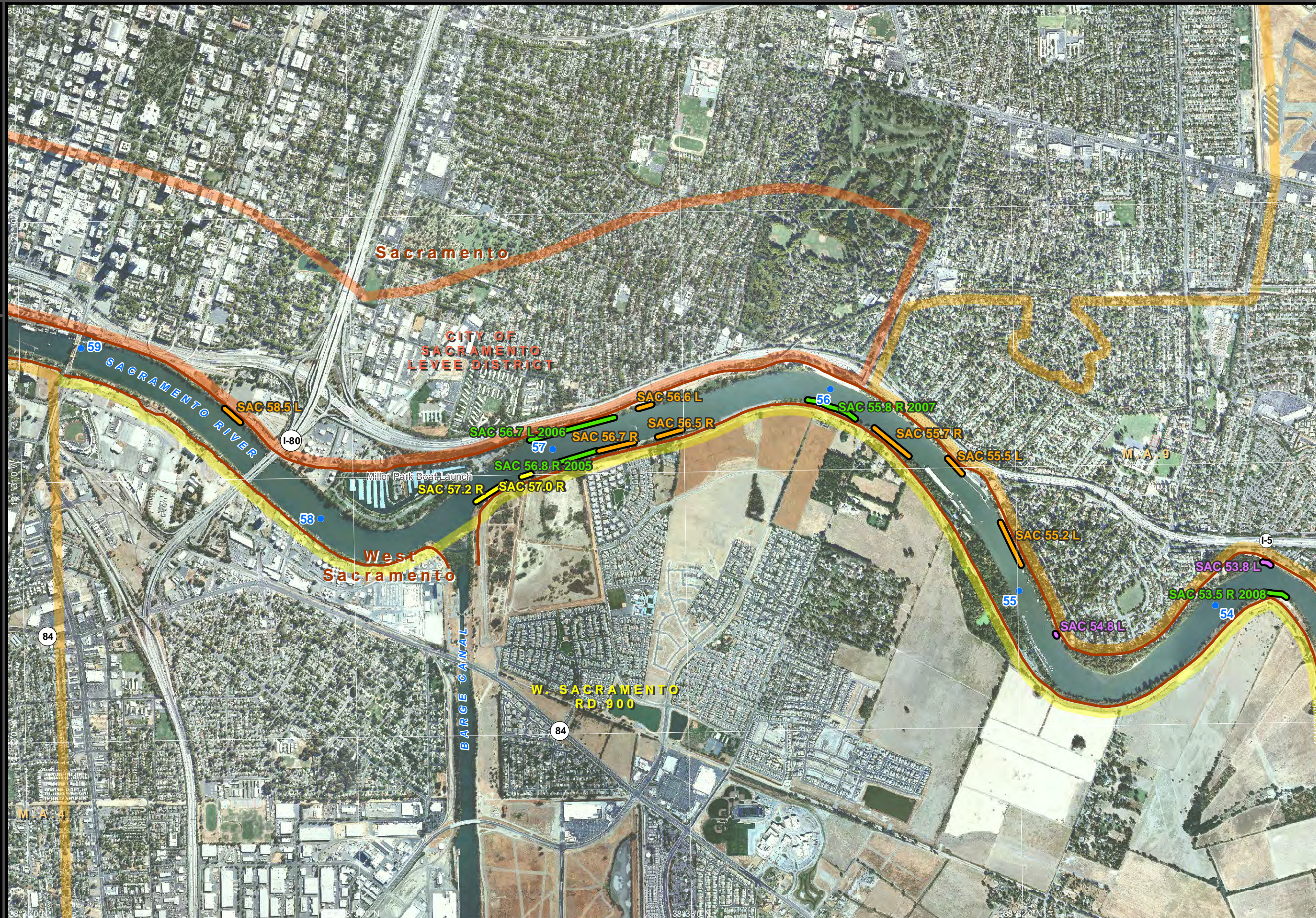
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008

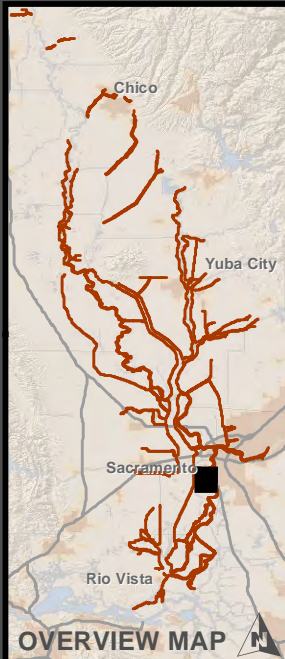


The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



0 0.25 0.5 1 Miles



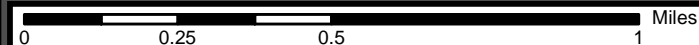


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

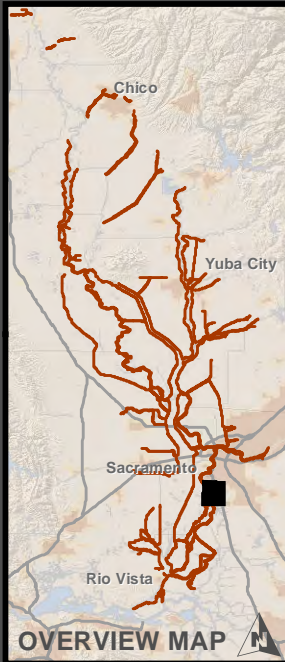
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





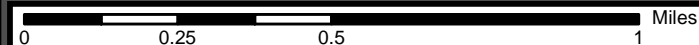
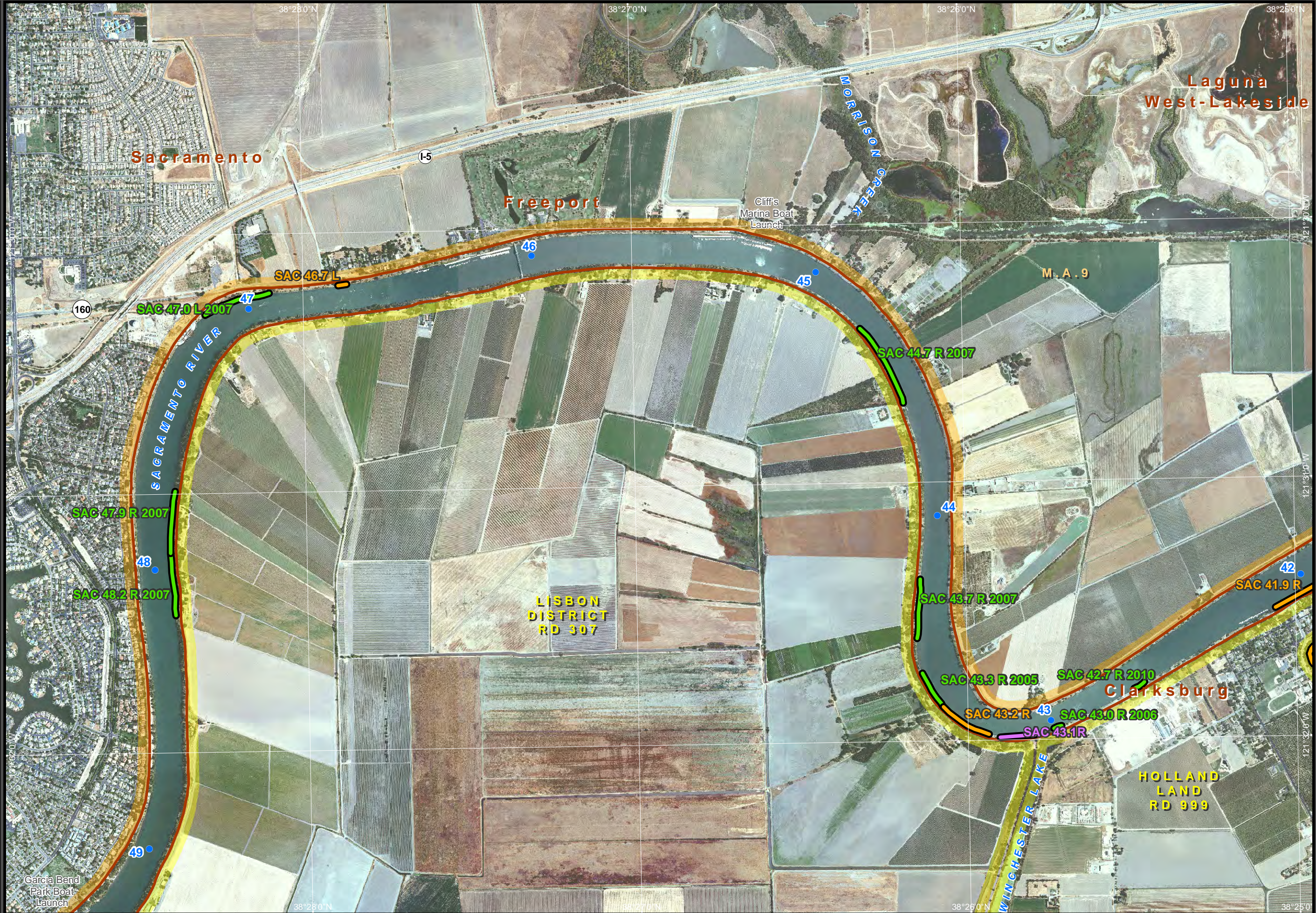


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

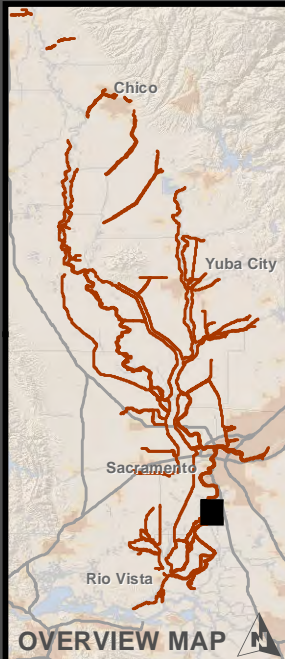
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







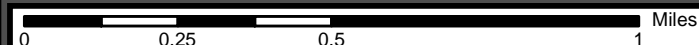
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

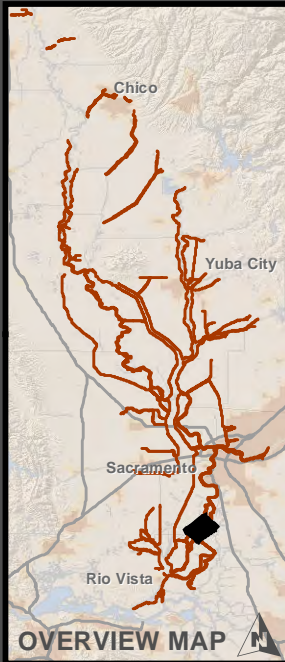
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







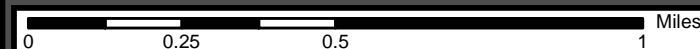
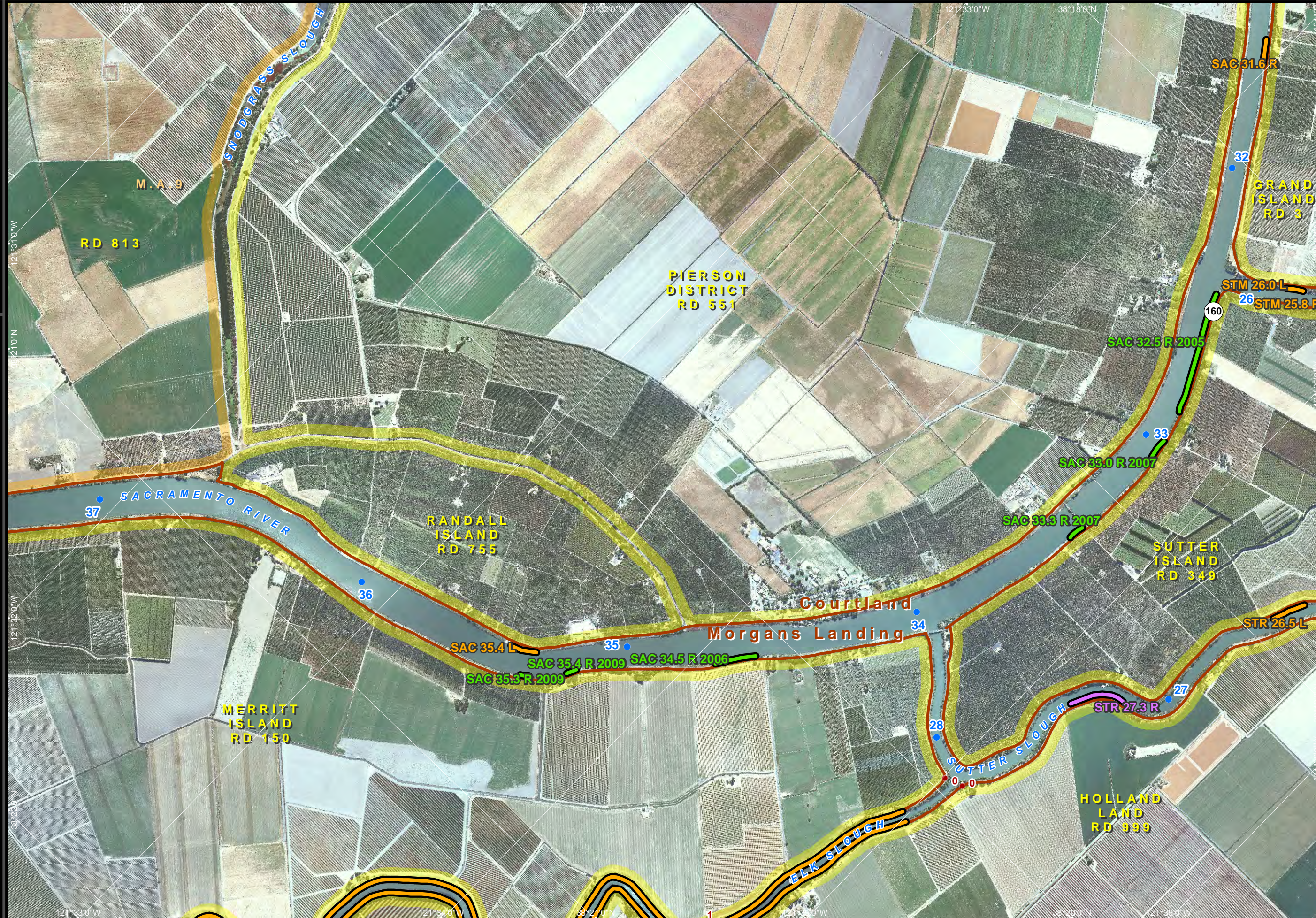
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

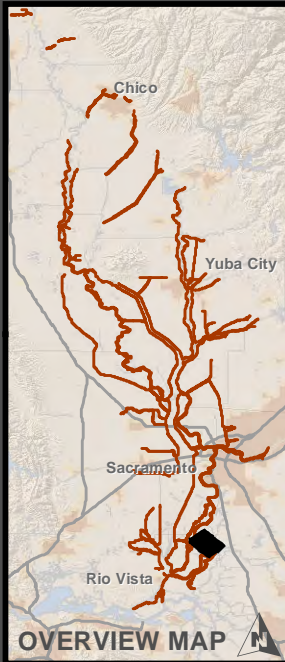


SACRAMENTO RIVER

Annual Inventory

PLATE: 29





- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

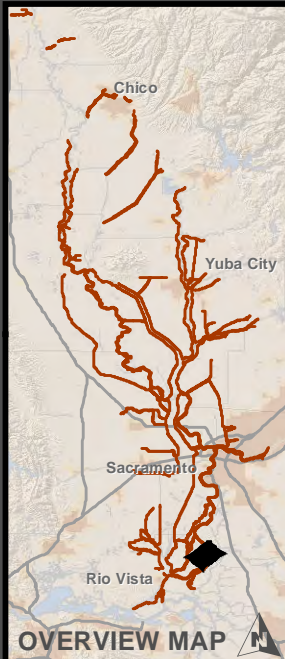
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







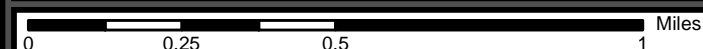
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

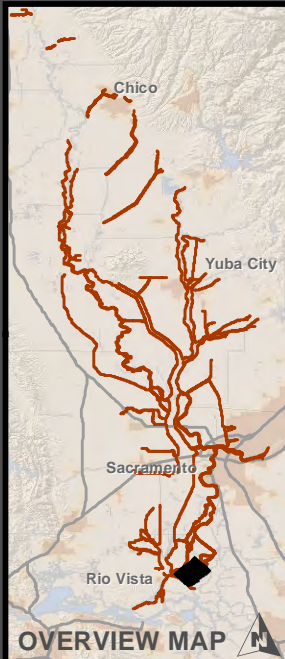
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





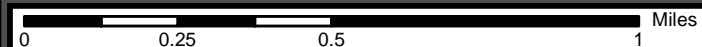


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

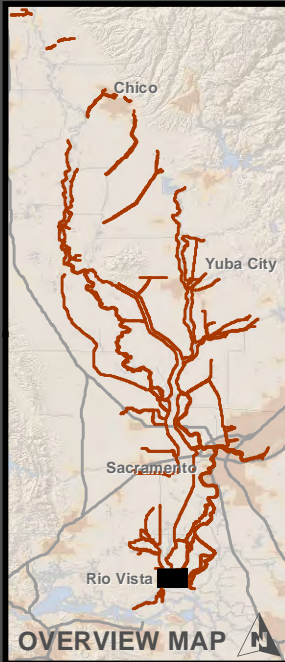
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





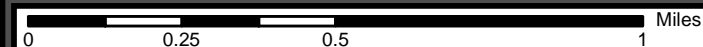


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

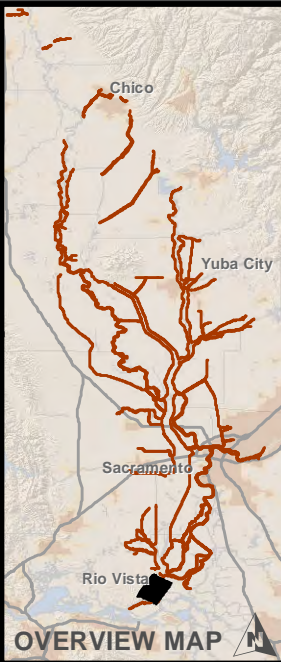
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







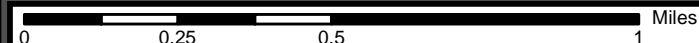
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

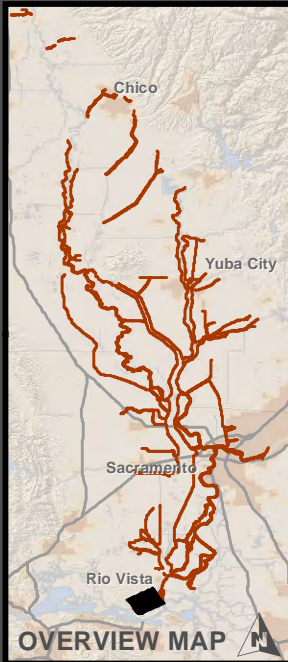
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





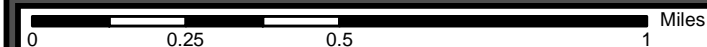
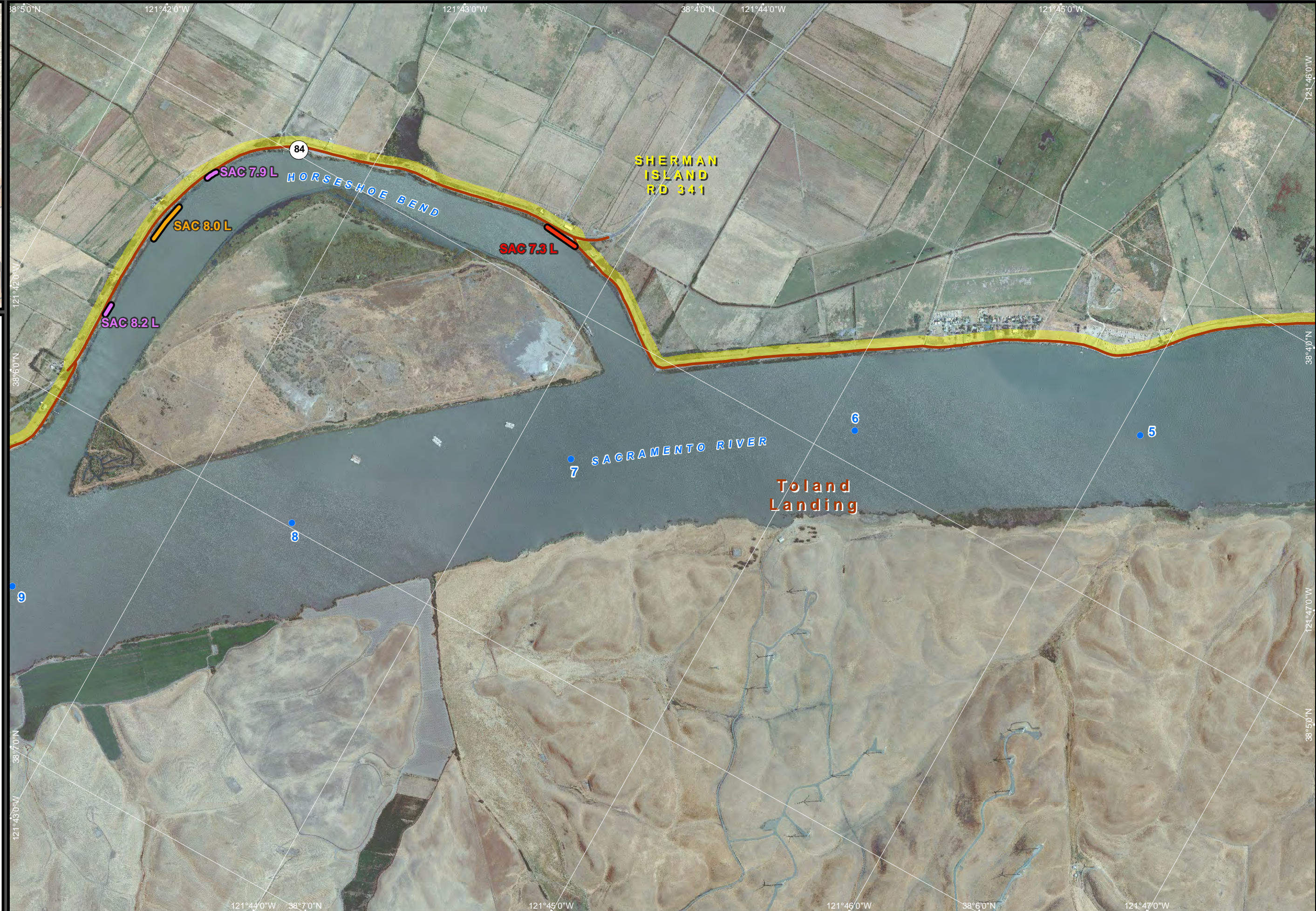


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

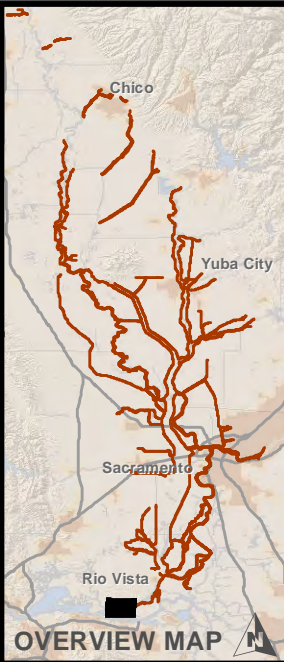
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







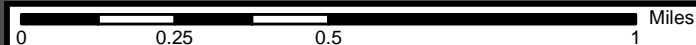
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

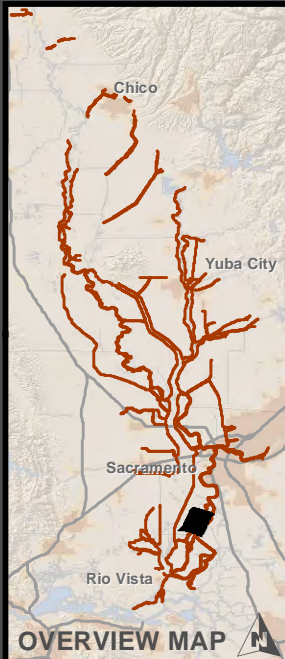
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008

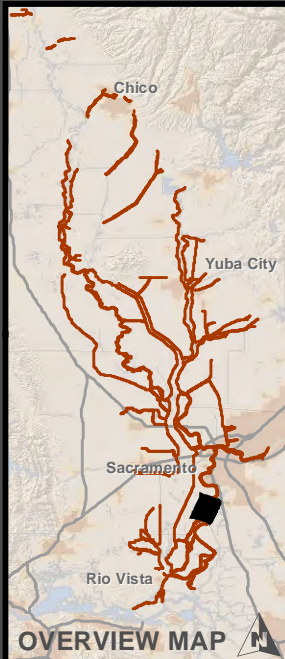


The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



0 0.25 0.5 1 Miles



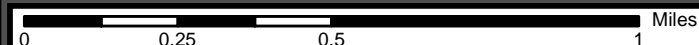
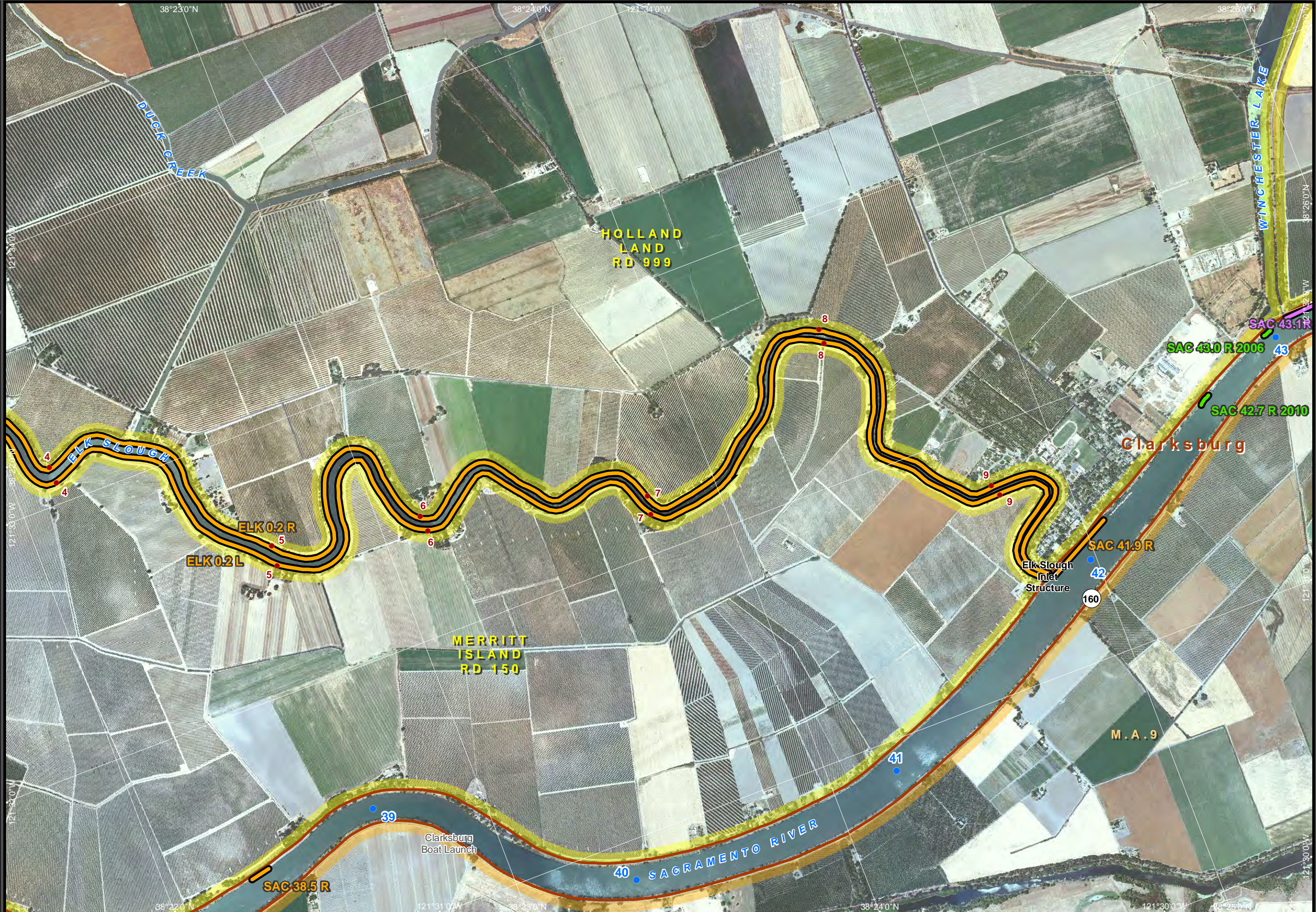


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

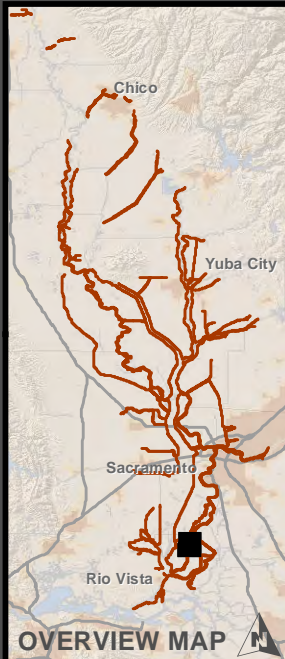
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







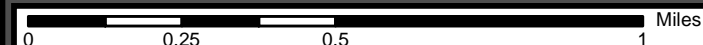
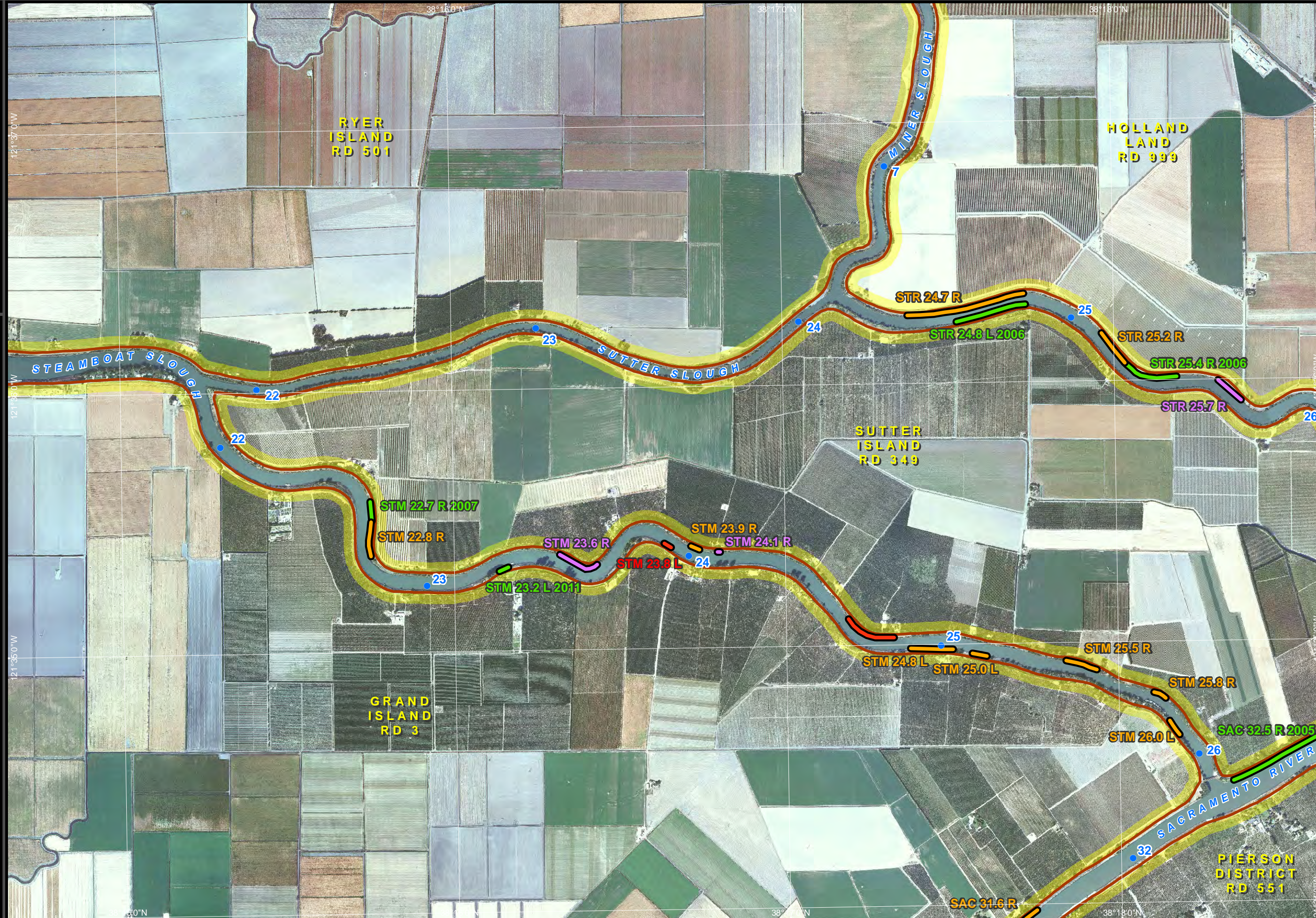
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

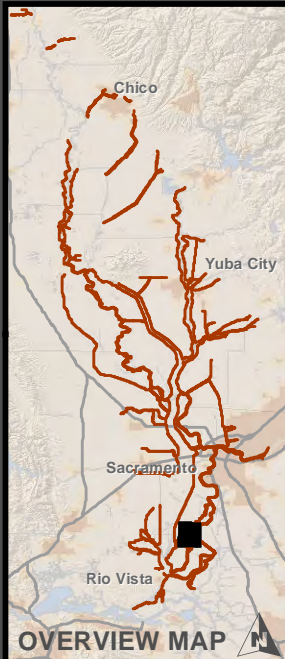
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





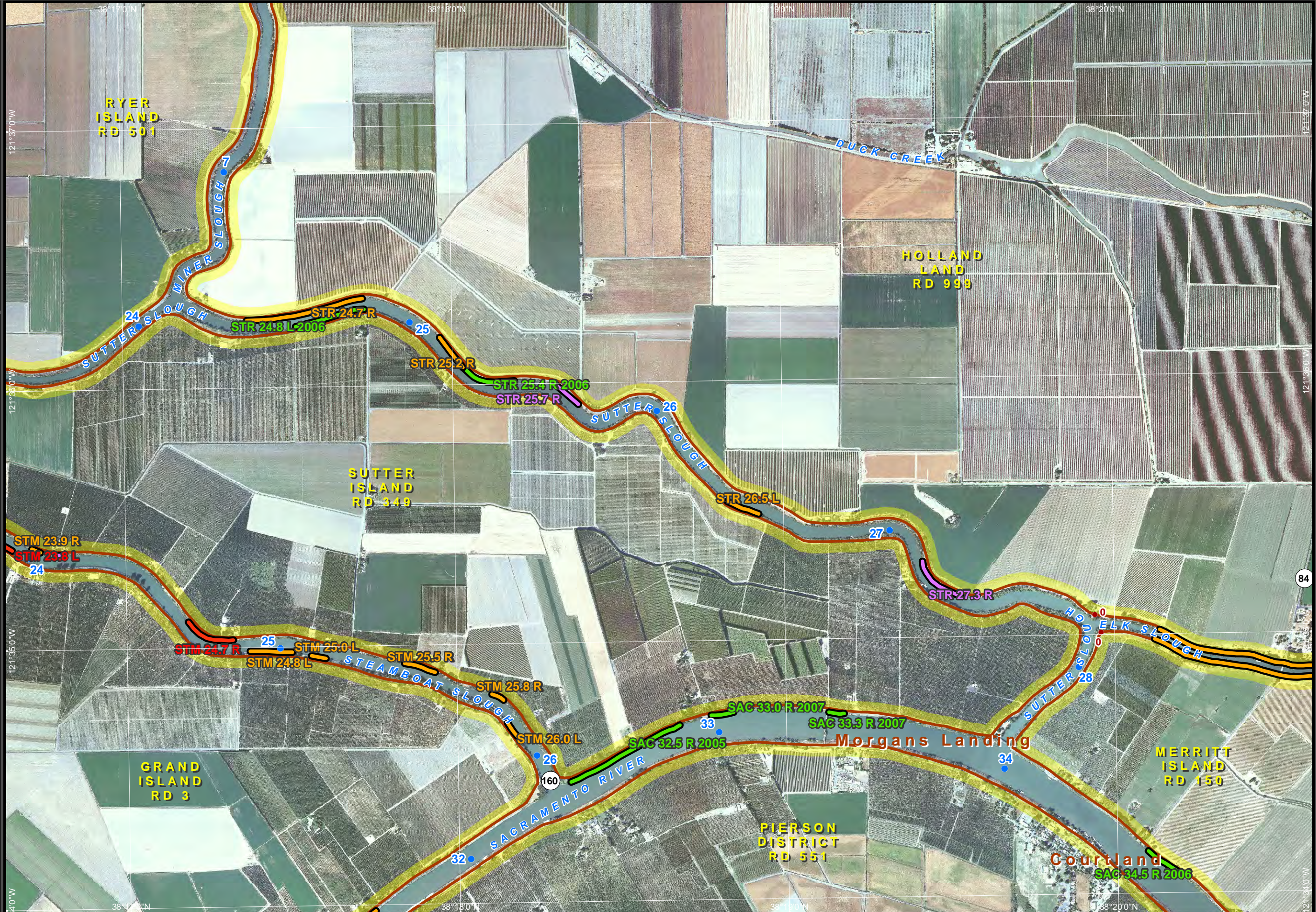


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

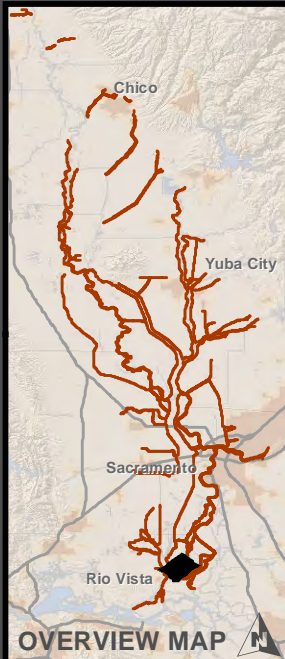
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







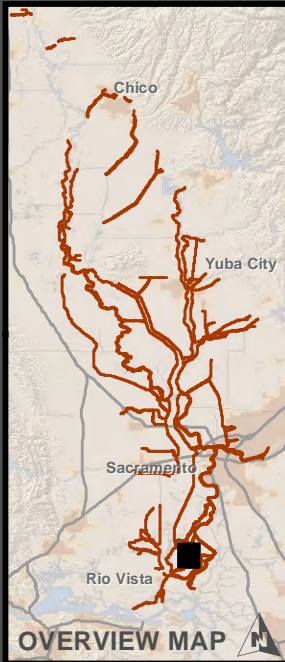
- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008

The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





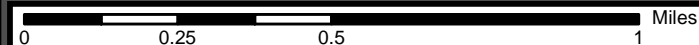


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

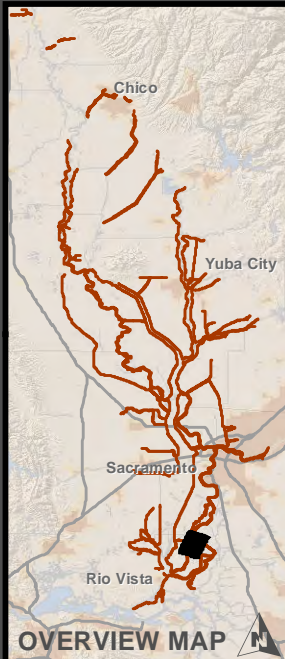
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



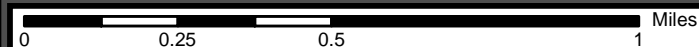




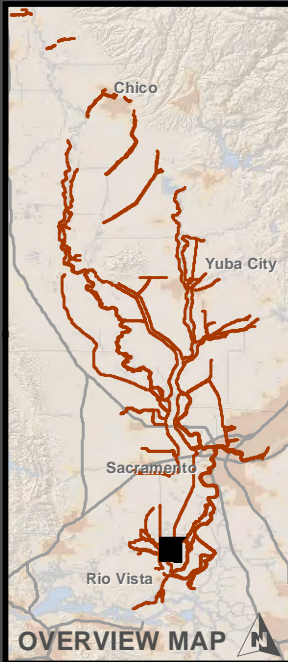
- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts
- Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







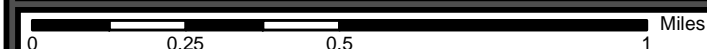
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

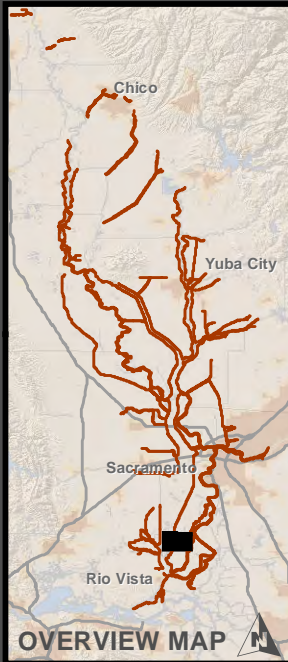


MINER SLOUGH

Annual Inventory

PLATE: 44



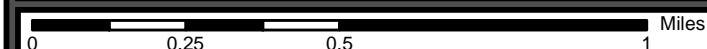
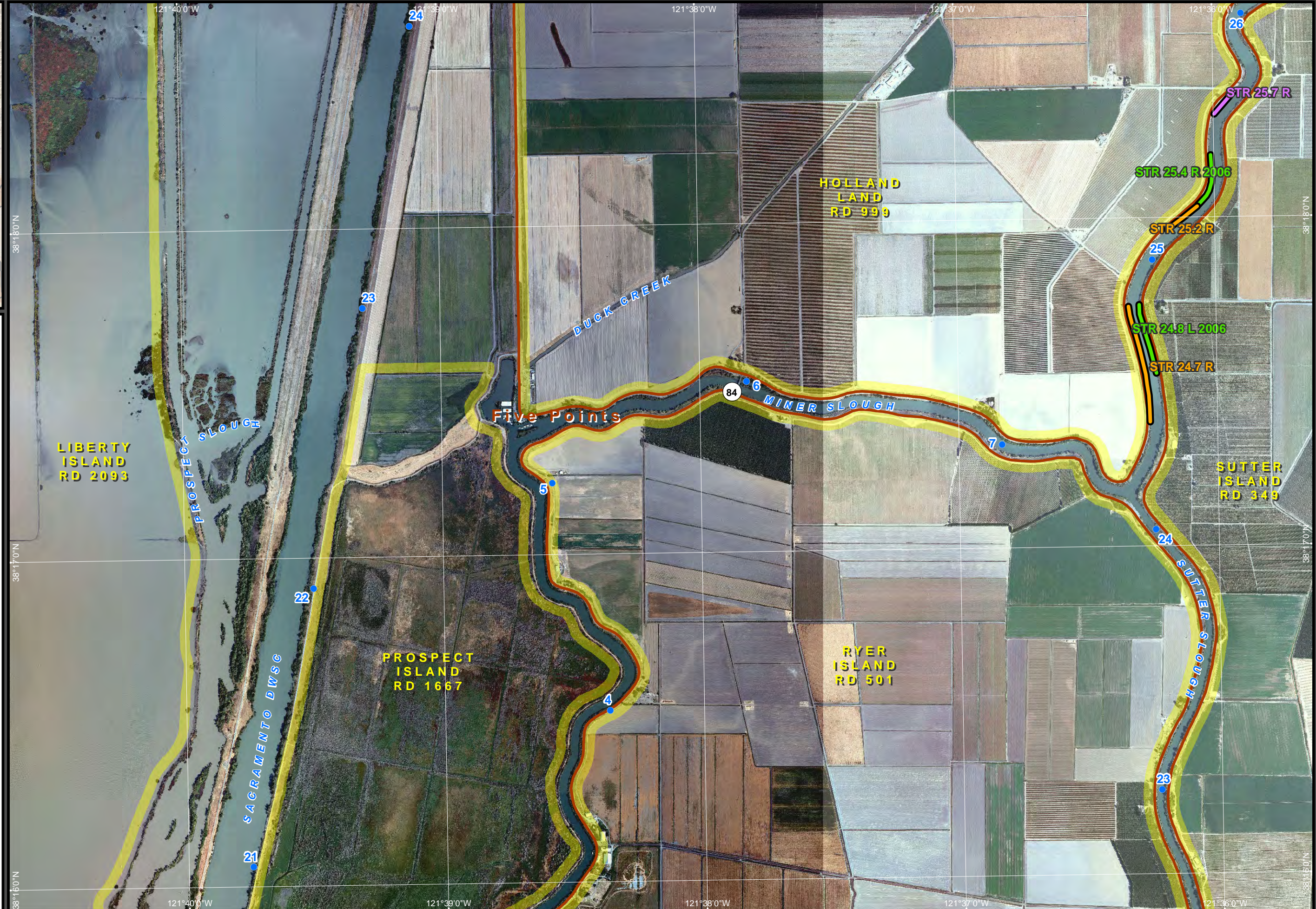


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

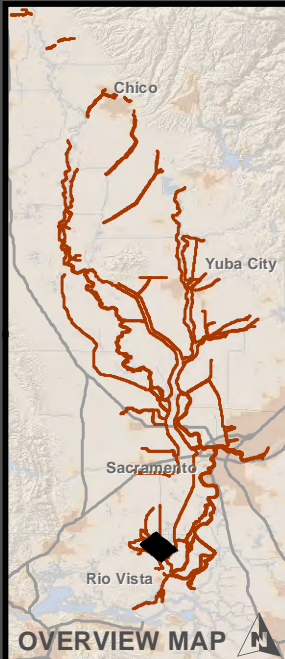
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







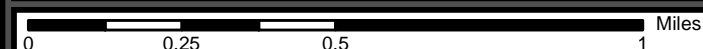
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

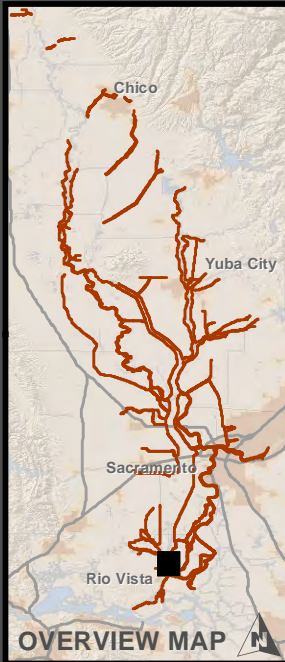
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





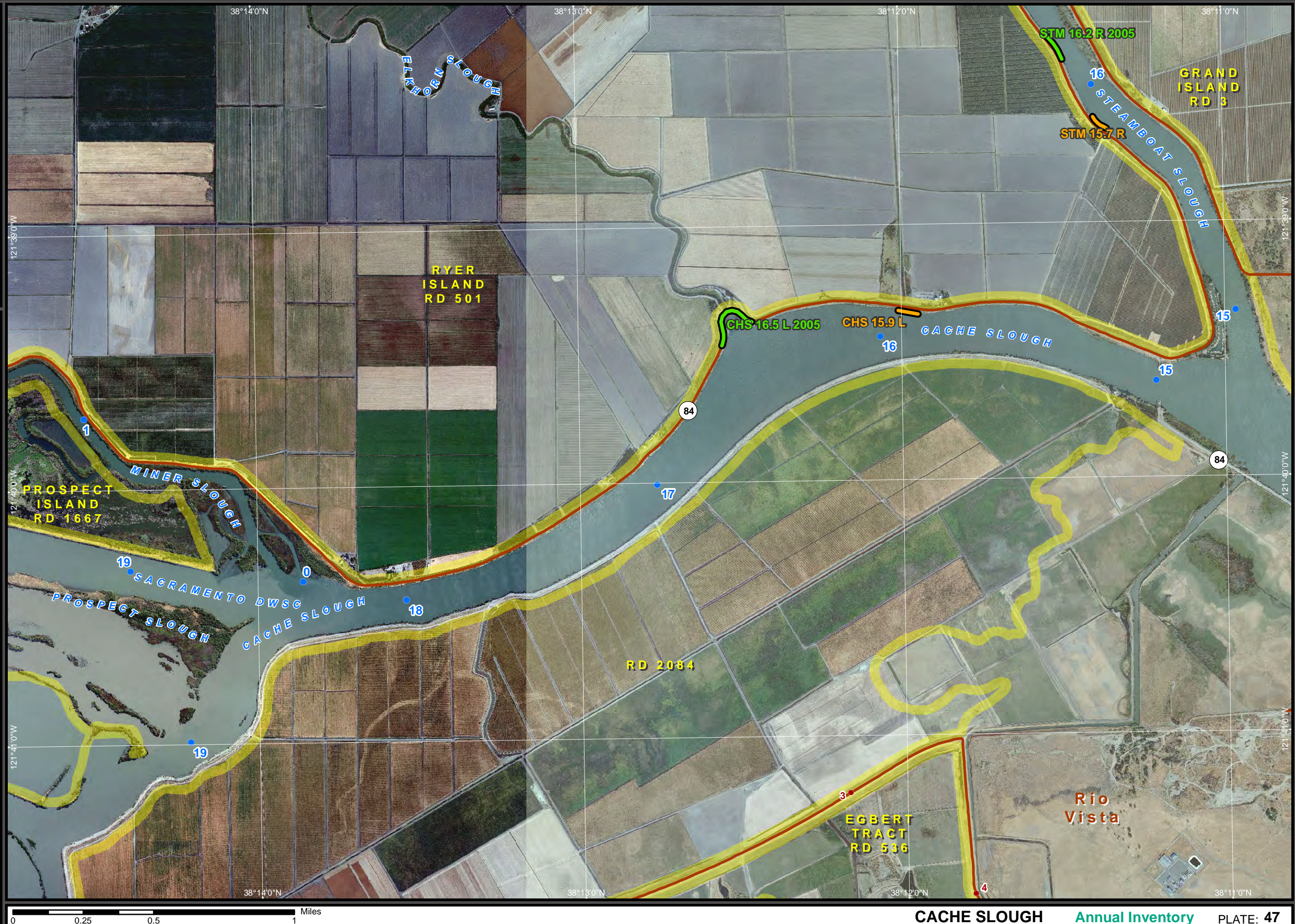


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

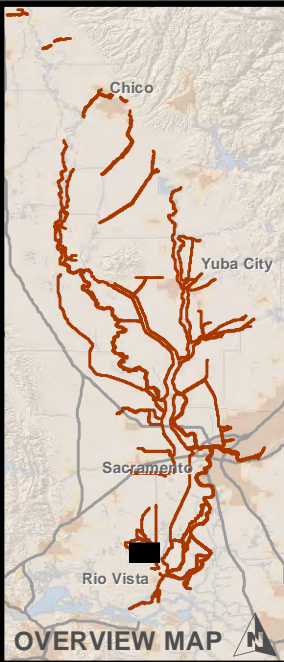
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







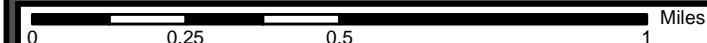
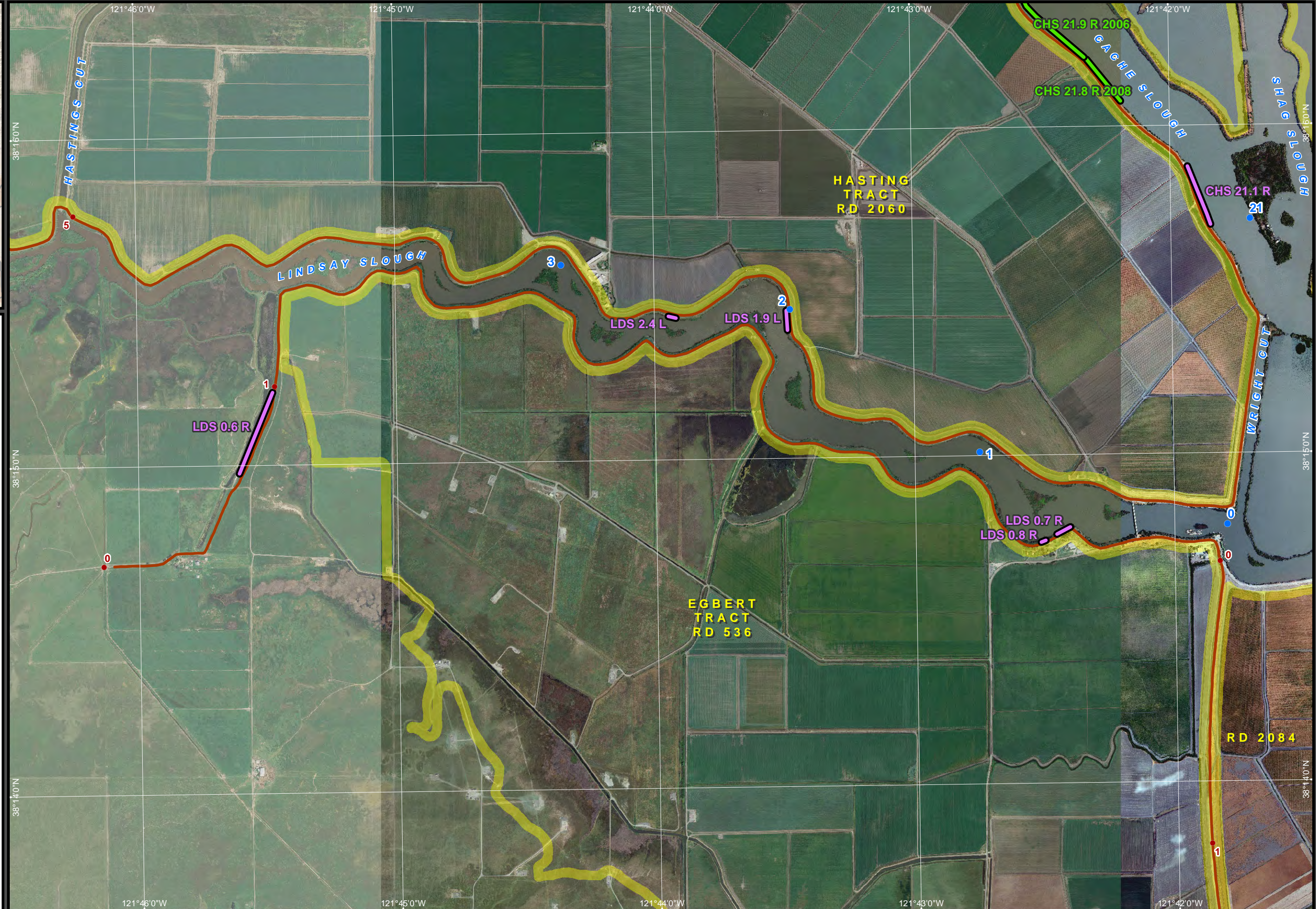
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

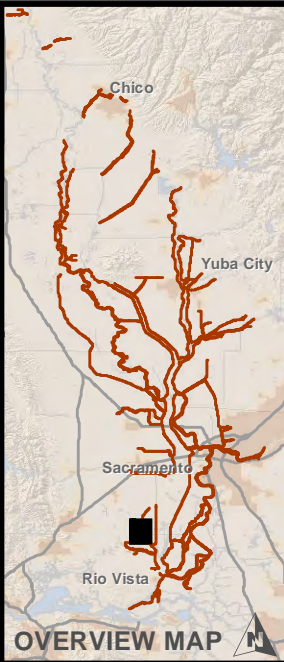
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







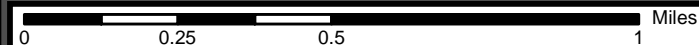
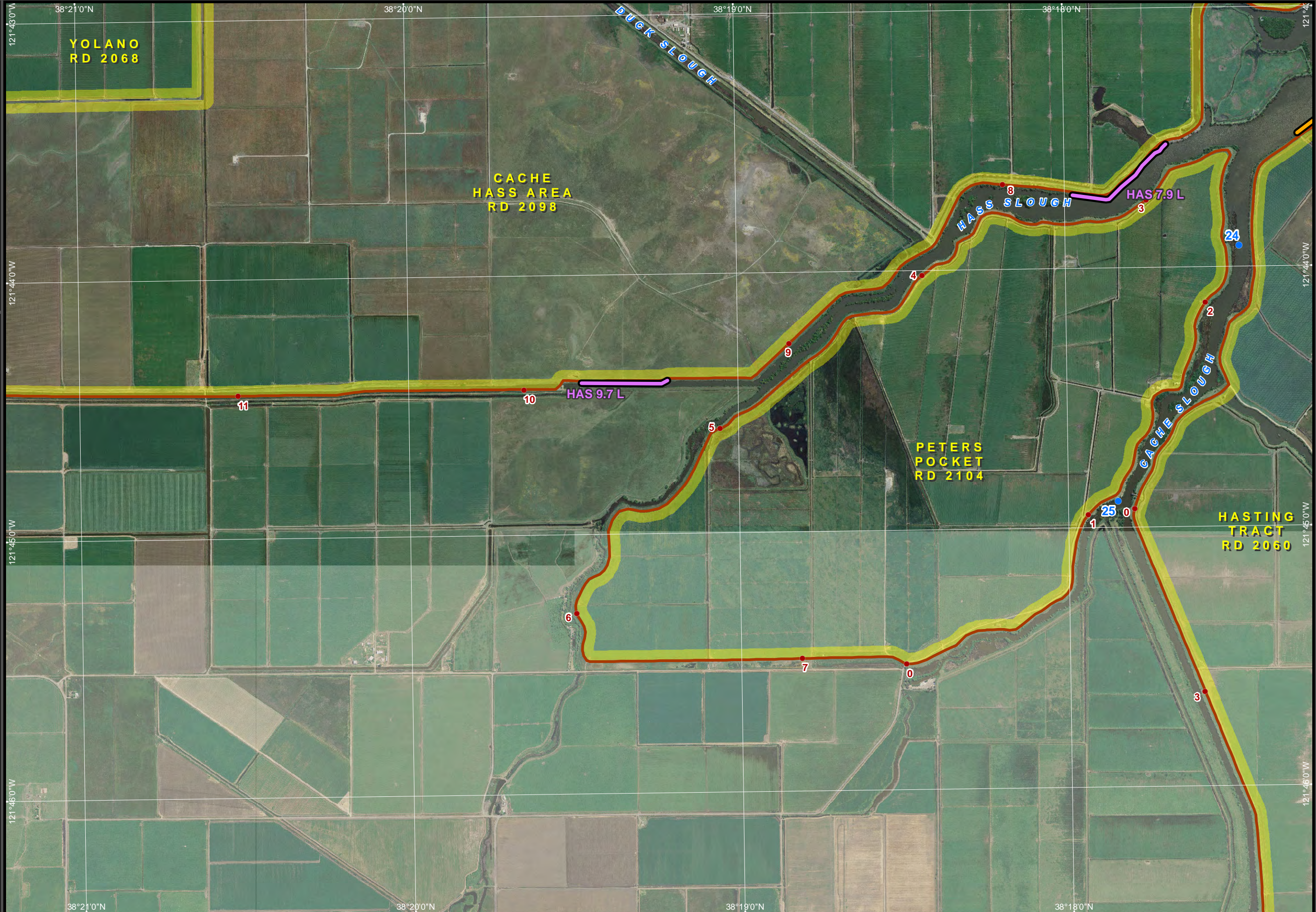
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

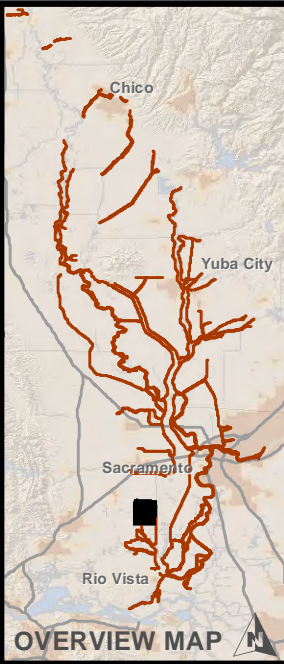
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







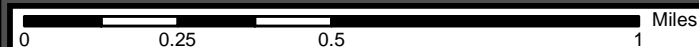
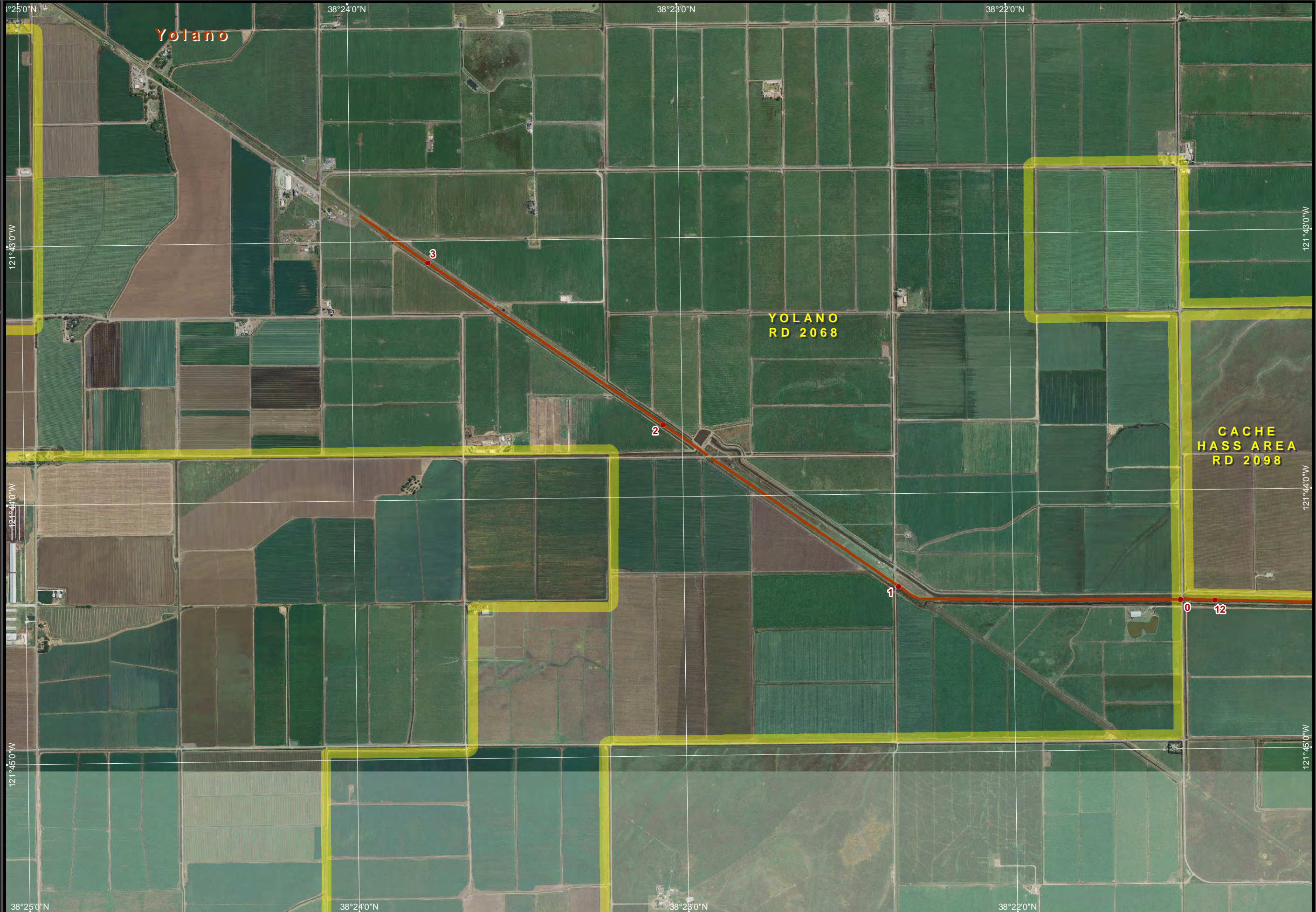
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

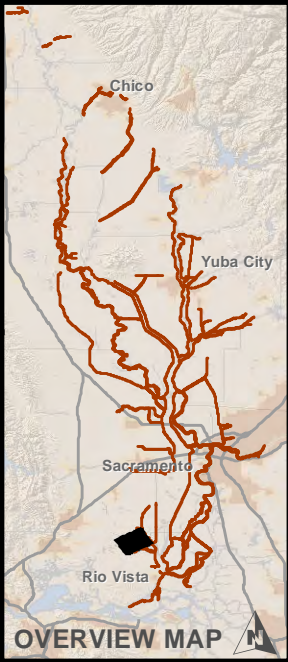
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





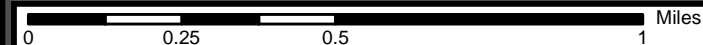


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

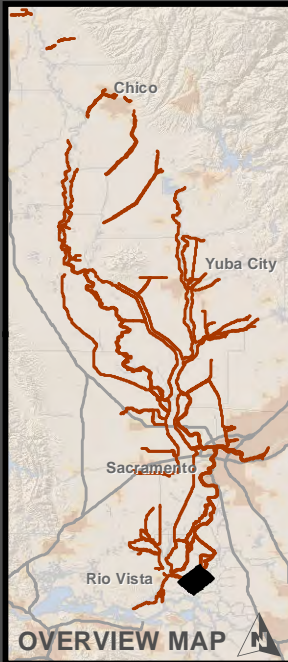
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

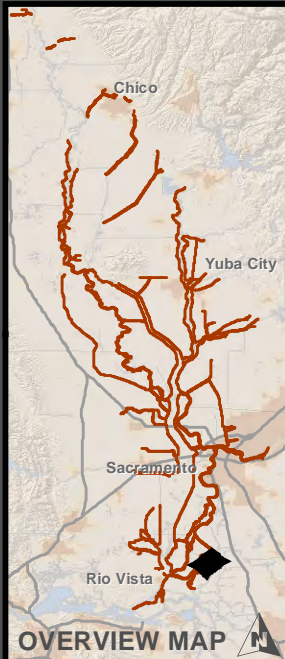
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



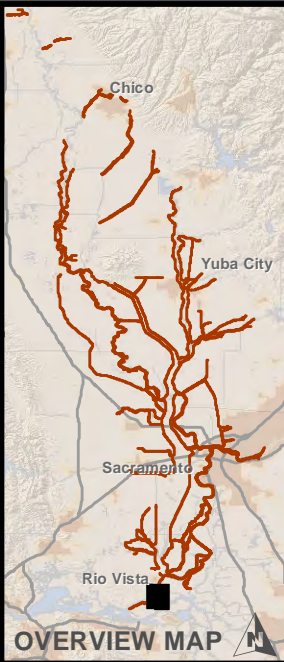
0 0.25 0.5 1 Miles

GEORGIANA SLOUGH

Annual Inventory

PLATE: 53





OVERVIEW MAP

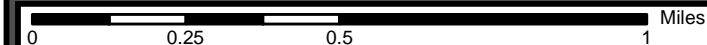
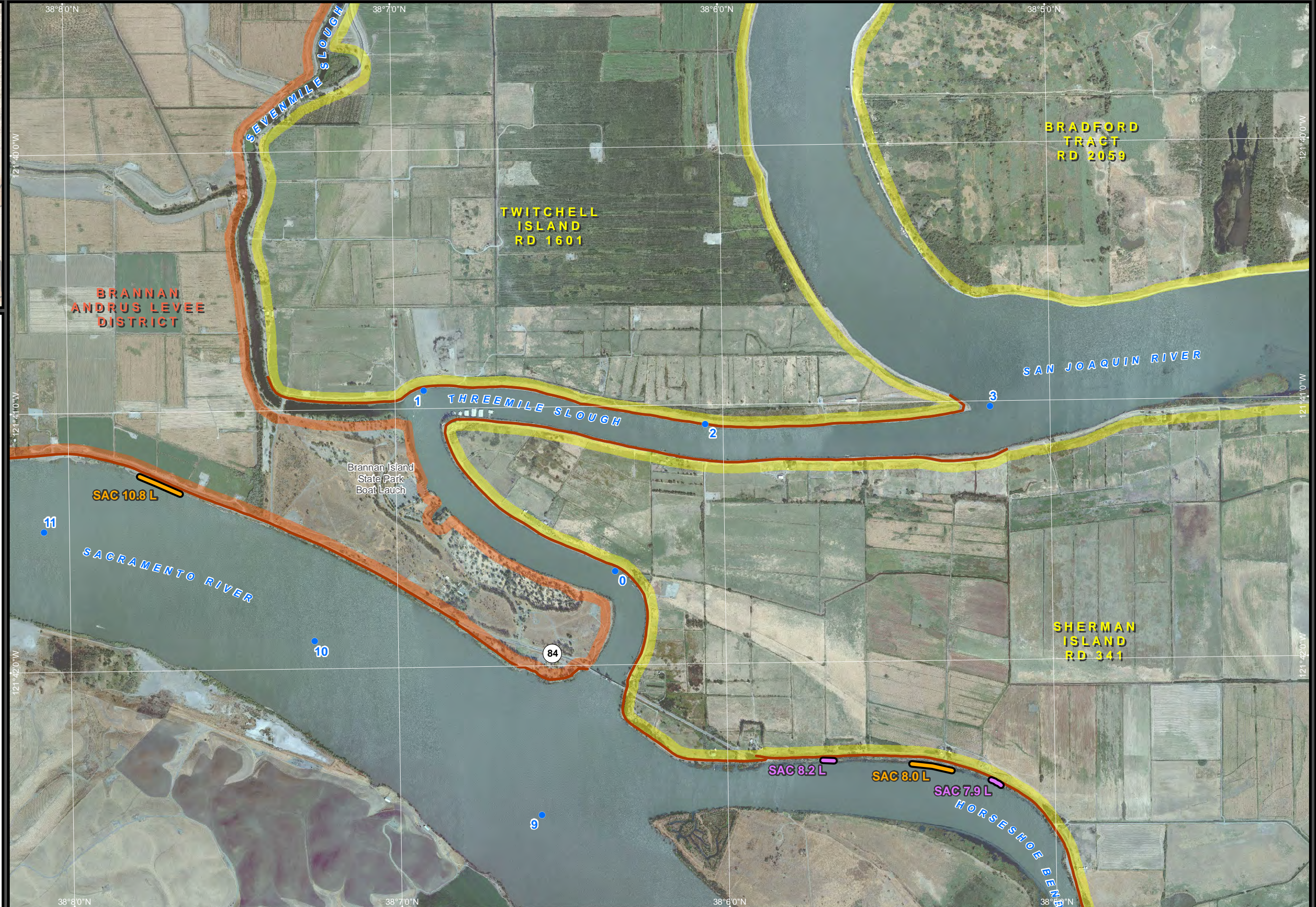
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

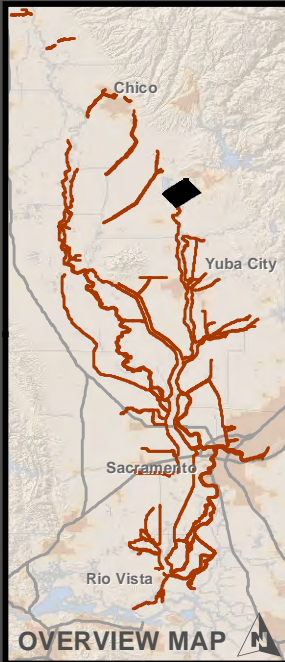
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







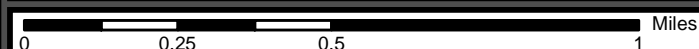
### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▬ Reclamation District
- ▬ Maintenance Areas
- ▬ Levee Districts

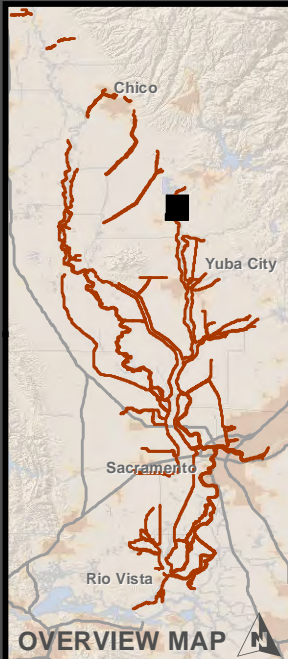
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008

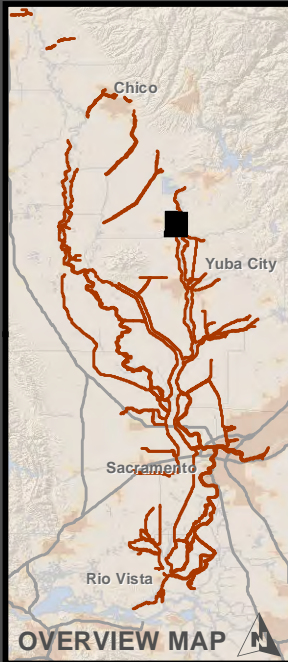


The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



0 0.25 0.5 1 Miles



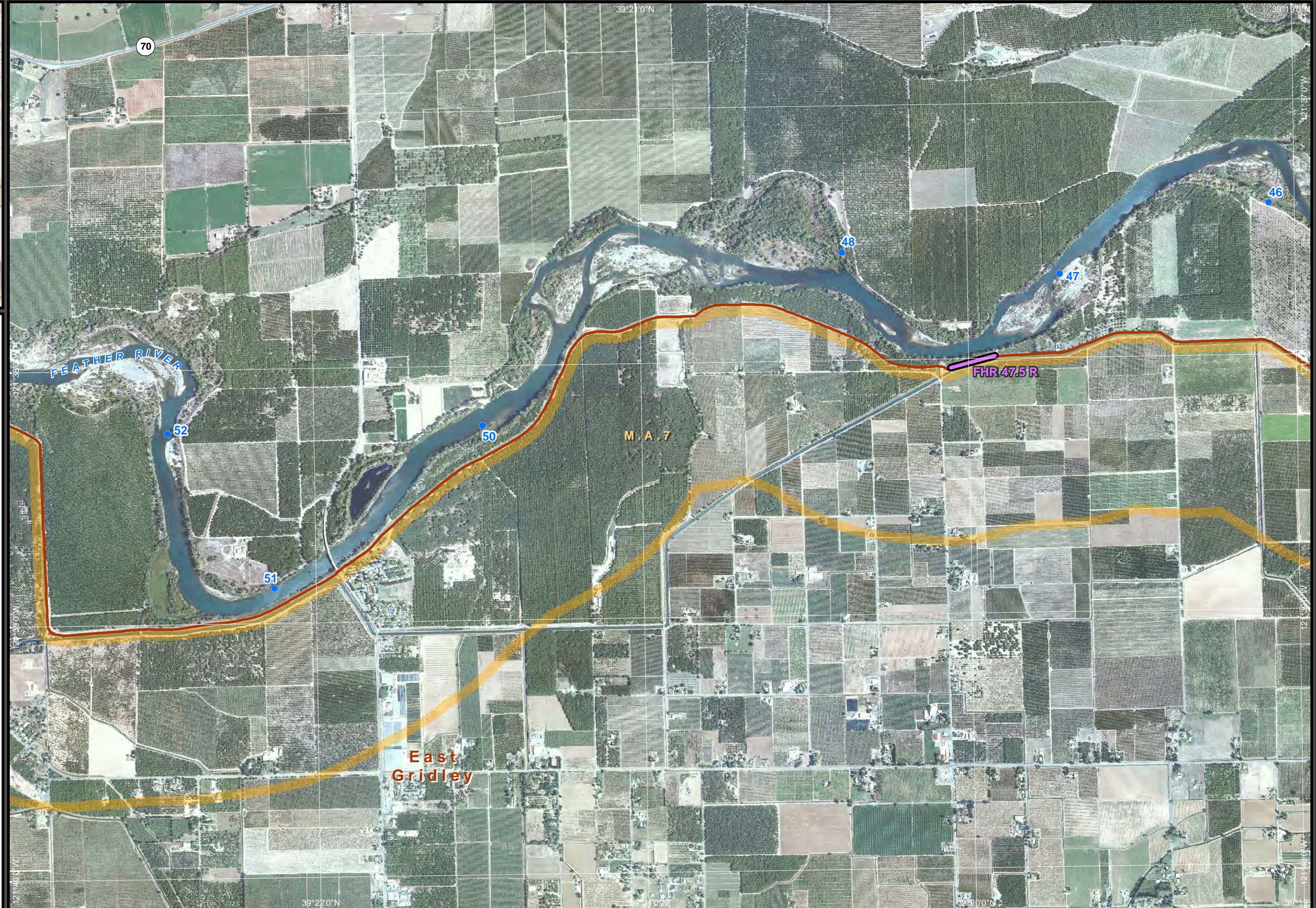


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

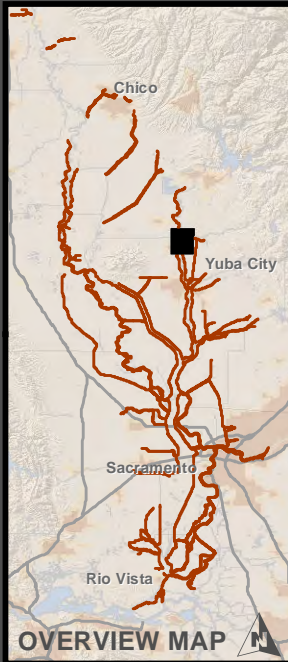
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.





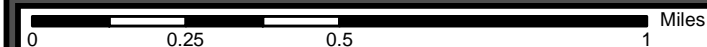
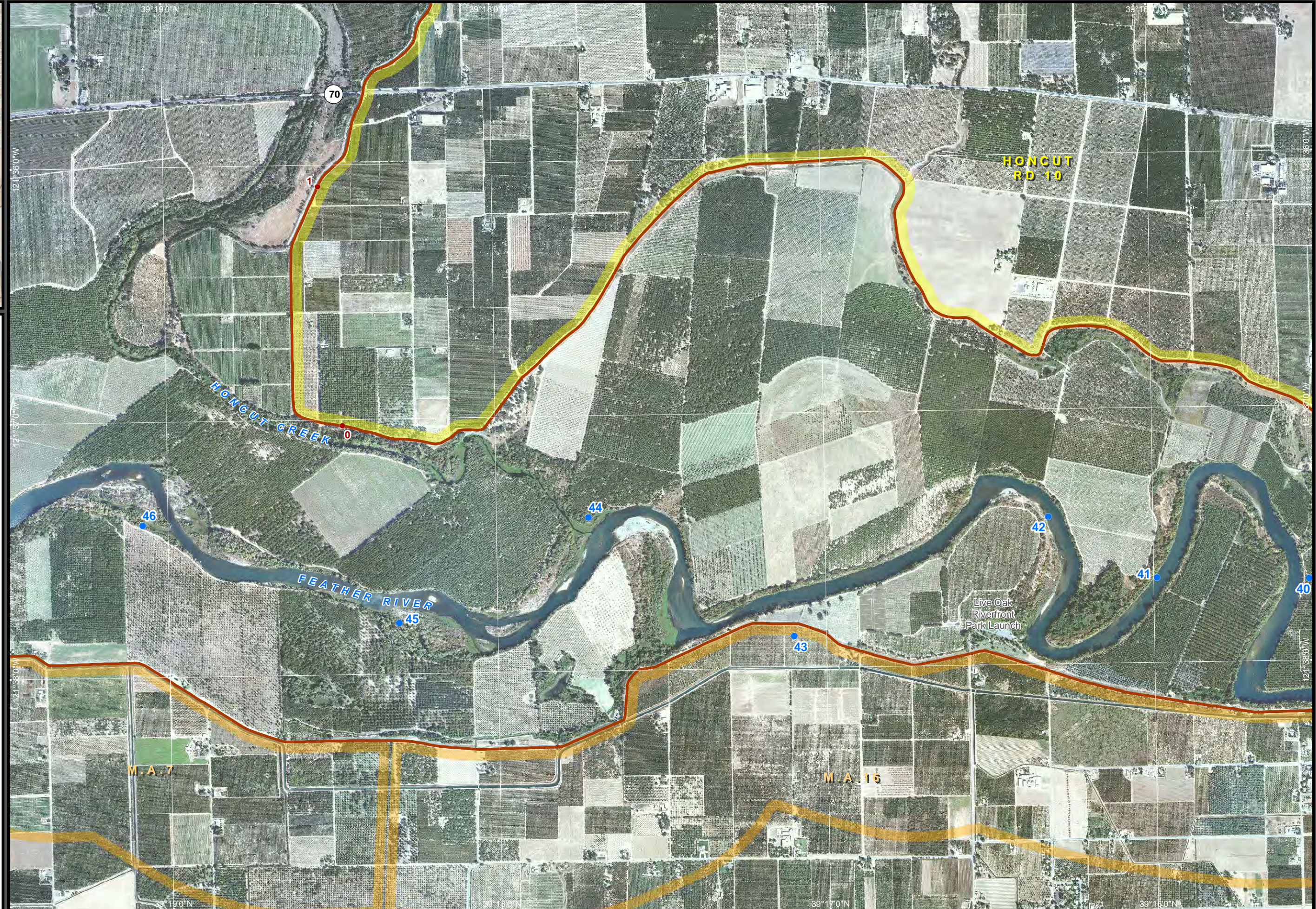


- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

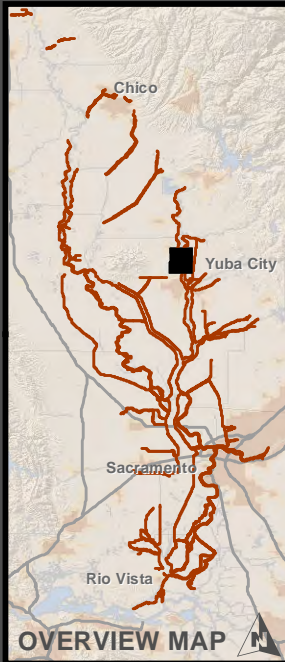
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts

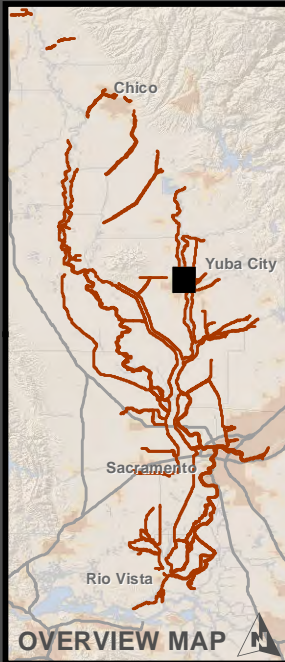
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







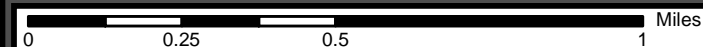
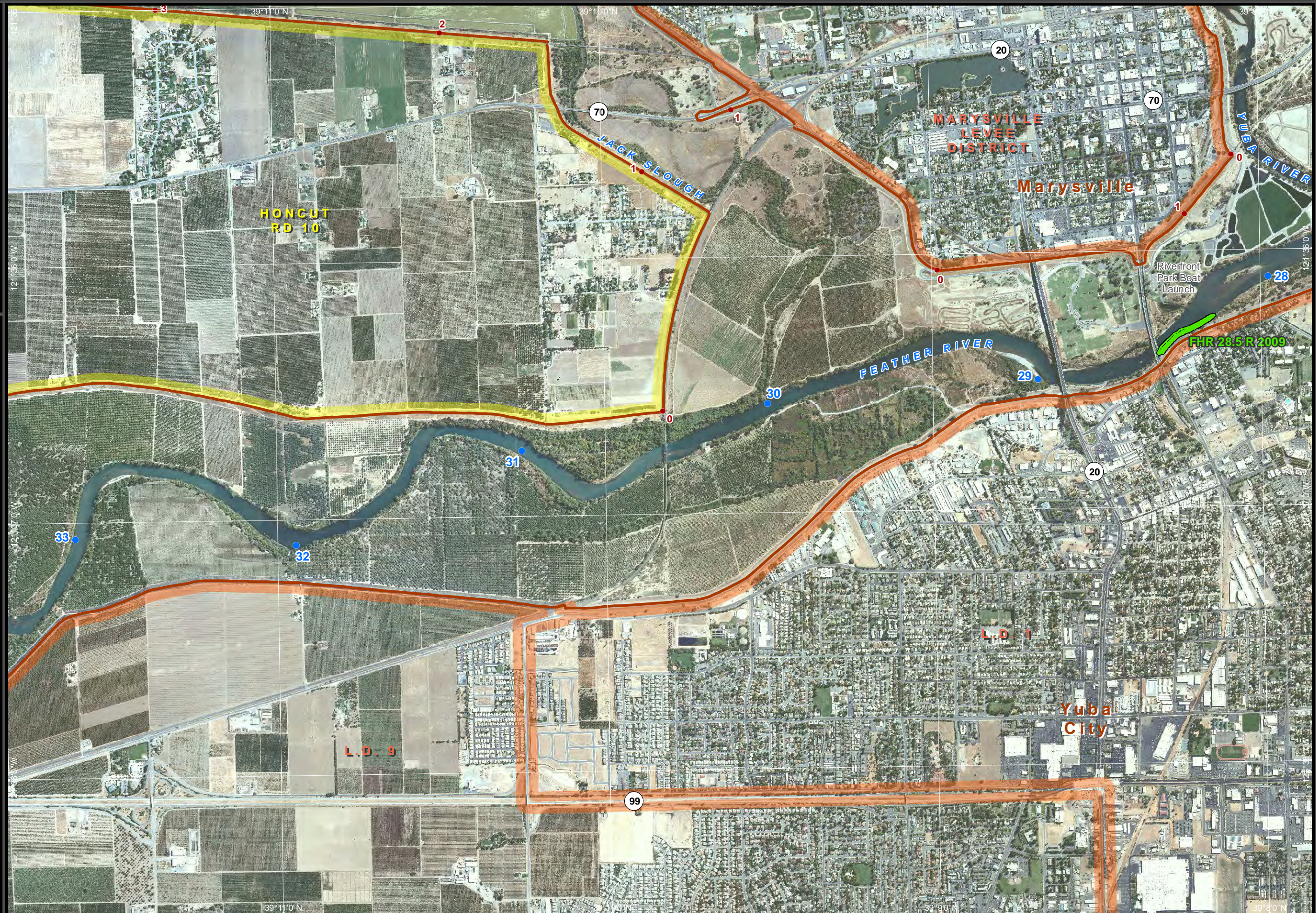
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

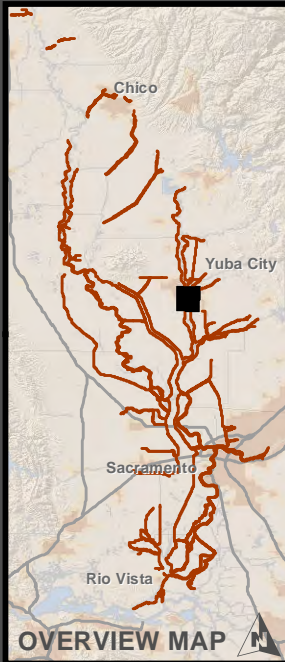


FEATHER RIVER

Annual Inventory

PLATE: 60





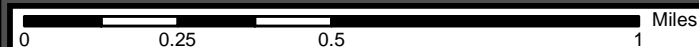
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

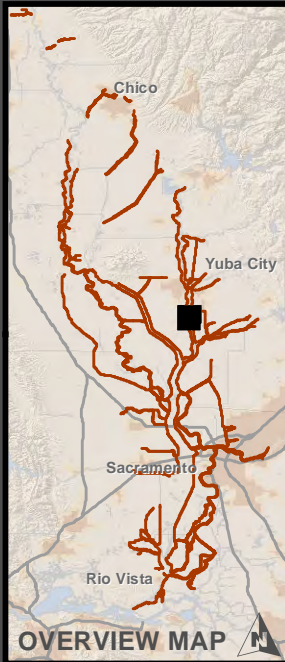
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







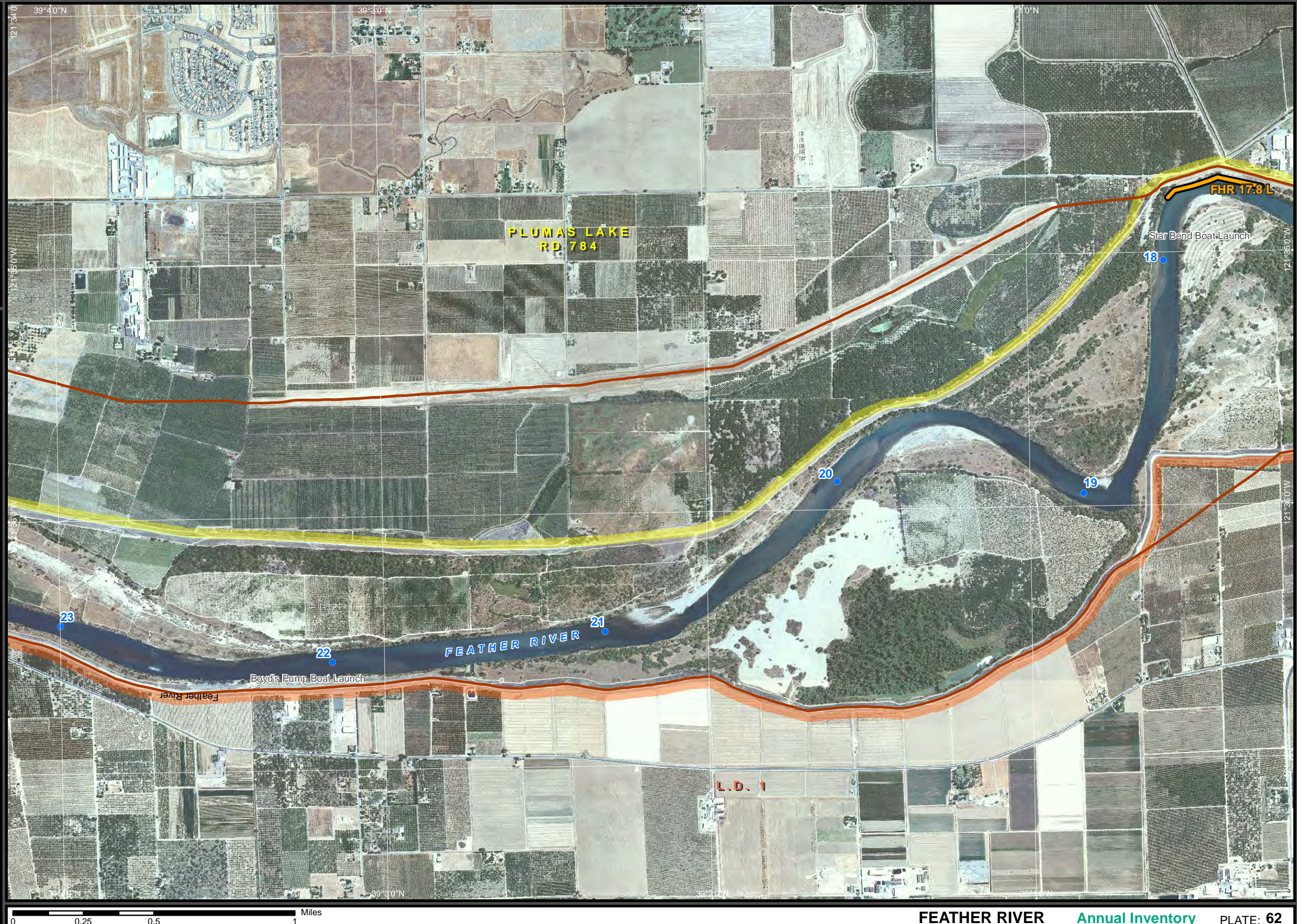
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

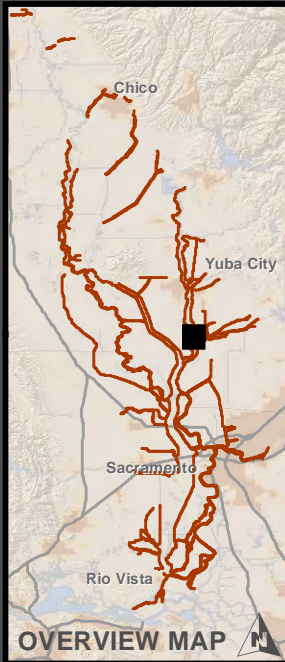
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



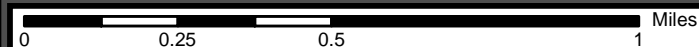
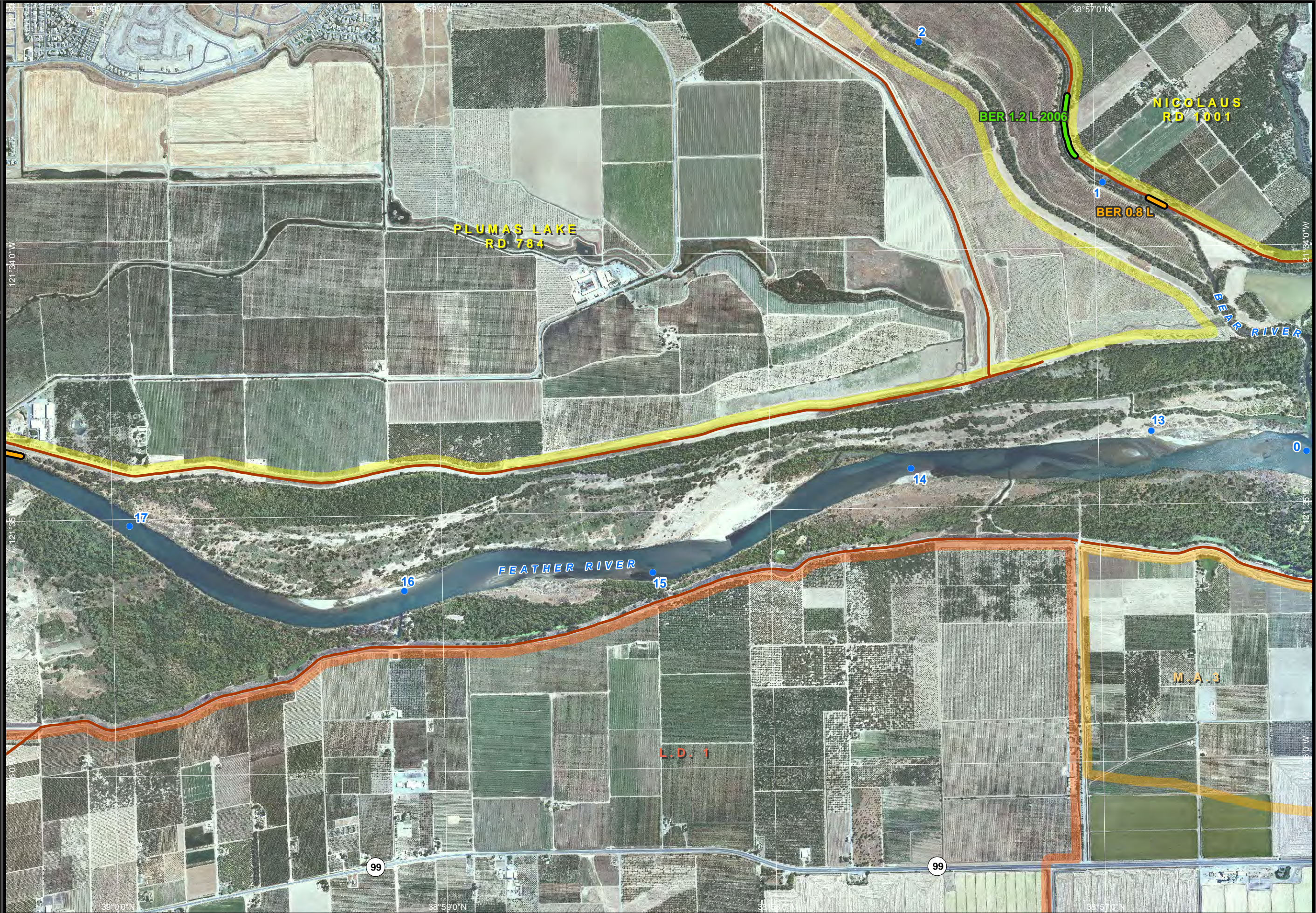




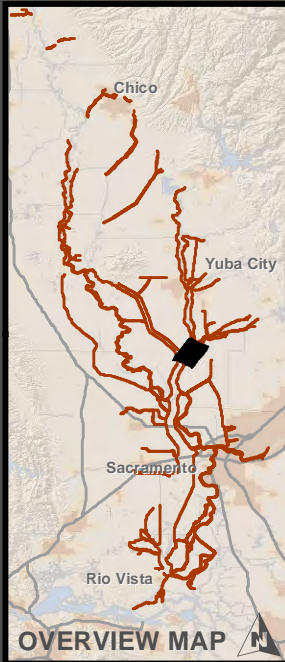
- Legend**
- River Miles
  - Levee Miles
  - Critical Erosion
  - Erosion
  - New Erosion (2011)
  - Under Construction
  - Repaired
  - SRBPP Levees
  - Reclamation District
  - Maintenance Areas
  - Levee Districts
- Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







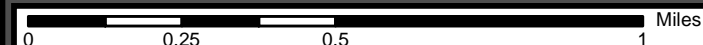
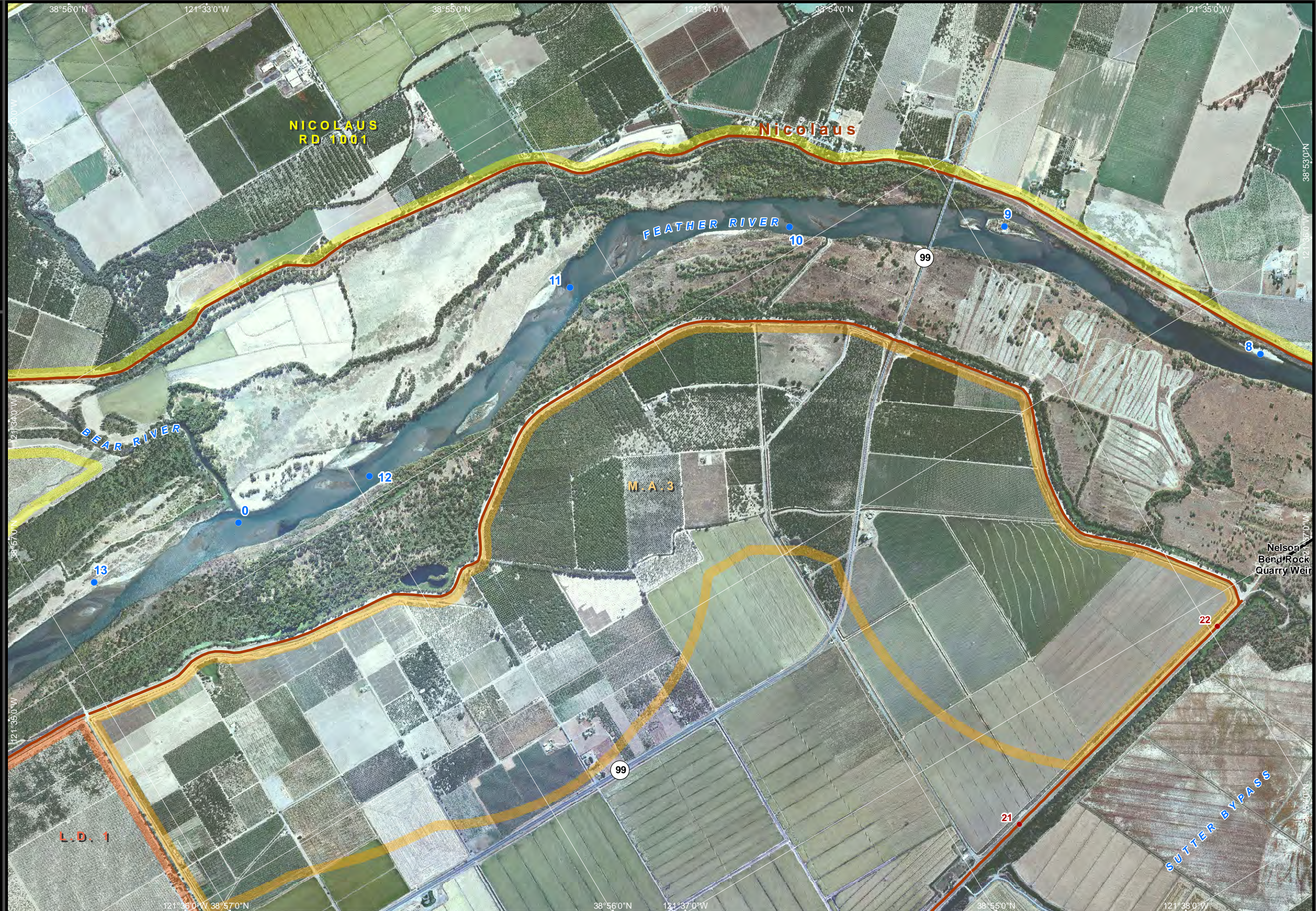
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

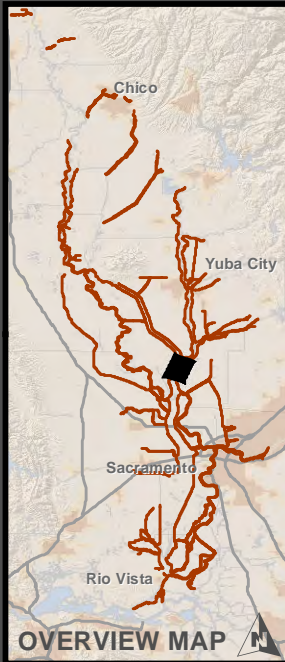


FEATHER RIVER

Annual Inventory

PLATE: 64





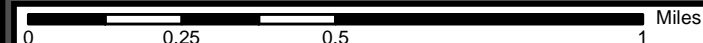
### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

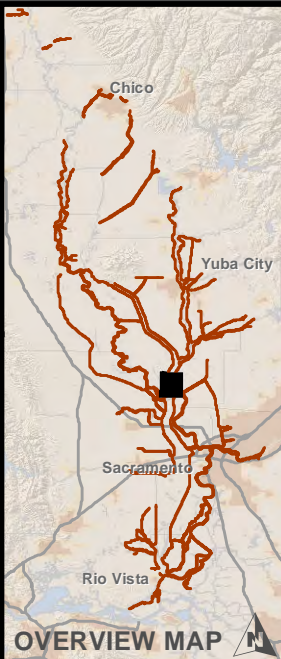
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







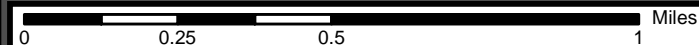
### Legend

- River Miles
- Levee Miles
- ▬ Critical Erosion
- ▬ Erosion
- ▬ New Erosion (2011)
- ▬ Under Construction
- ▬ Repaired
- ▬ SRBPP Levees
- ▬ Reclamation District
- ▬ Maintenance Areas
- ▬ Levee Districts

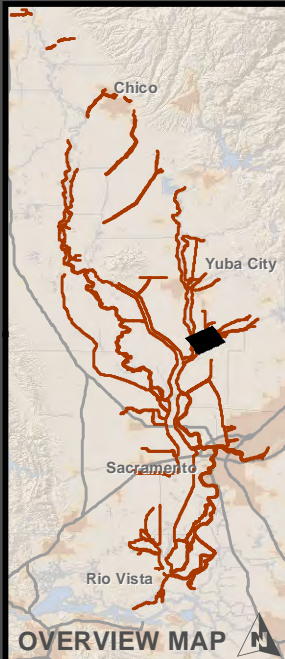
Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.







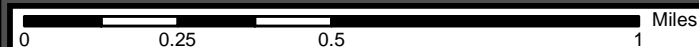
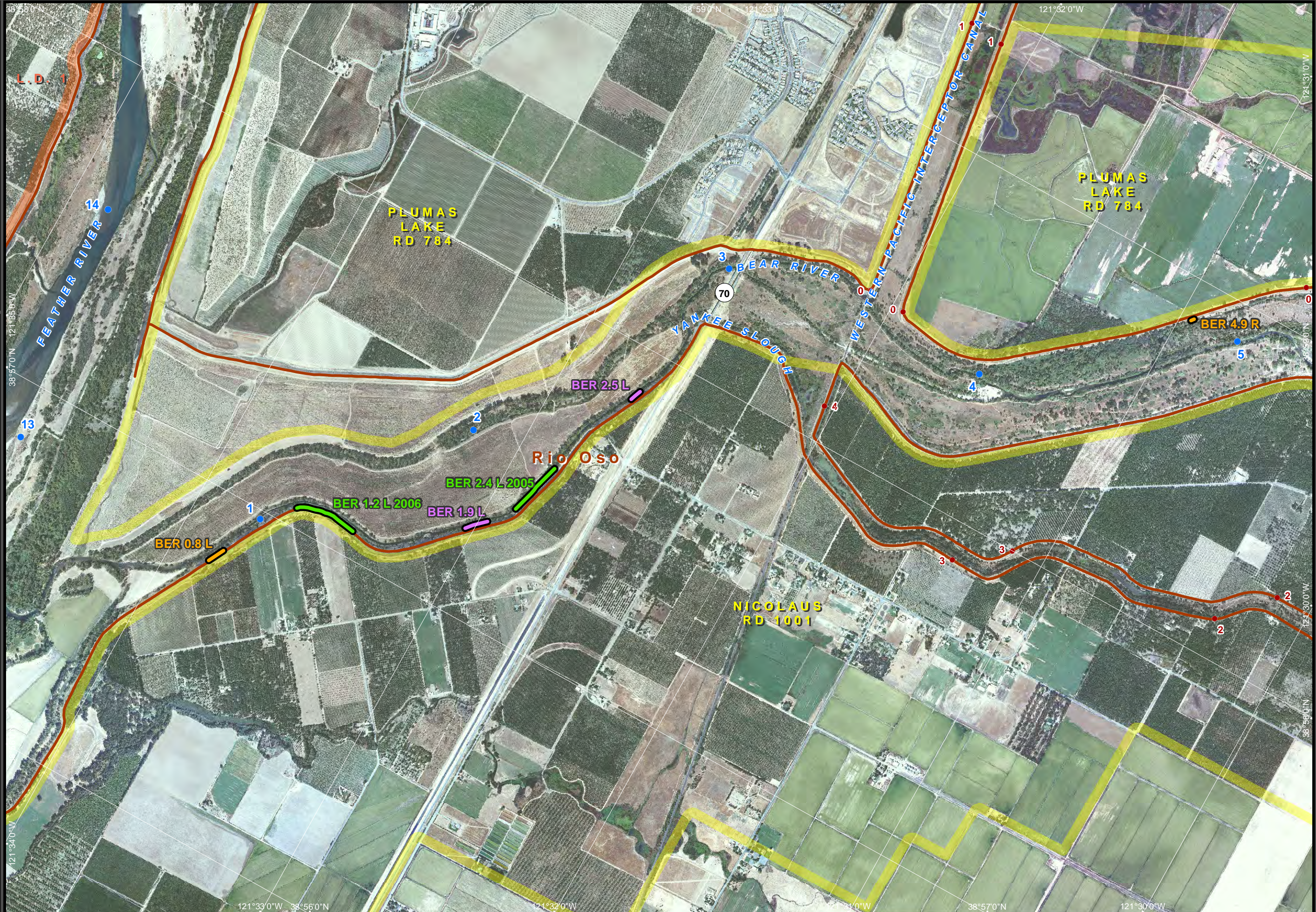
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

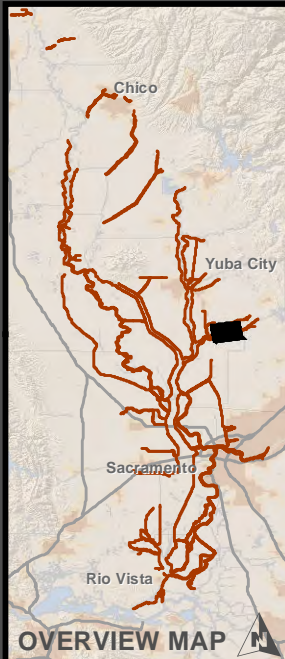


BEAR RIVER/YANKEE SLOUGH

Annual Inventory

PLATE: 67





OVERVIEW MAP

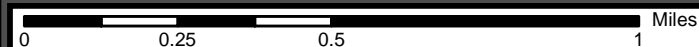
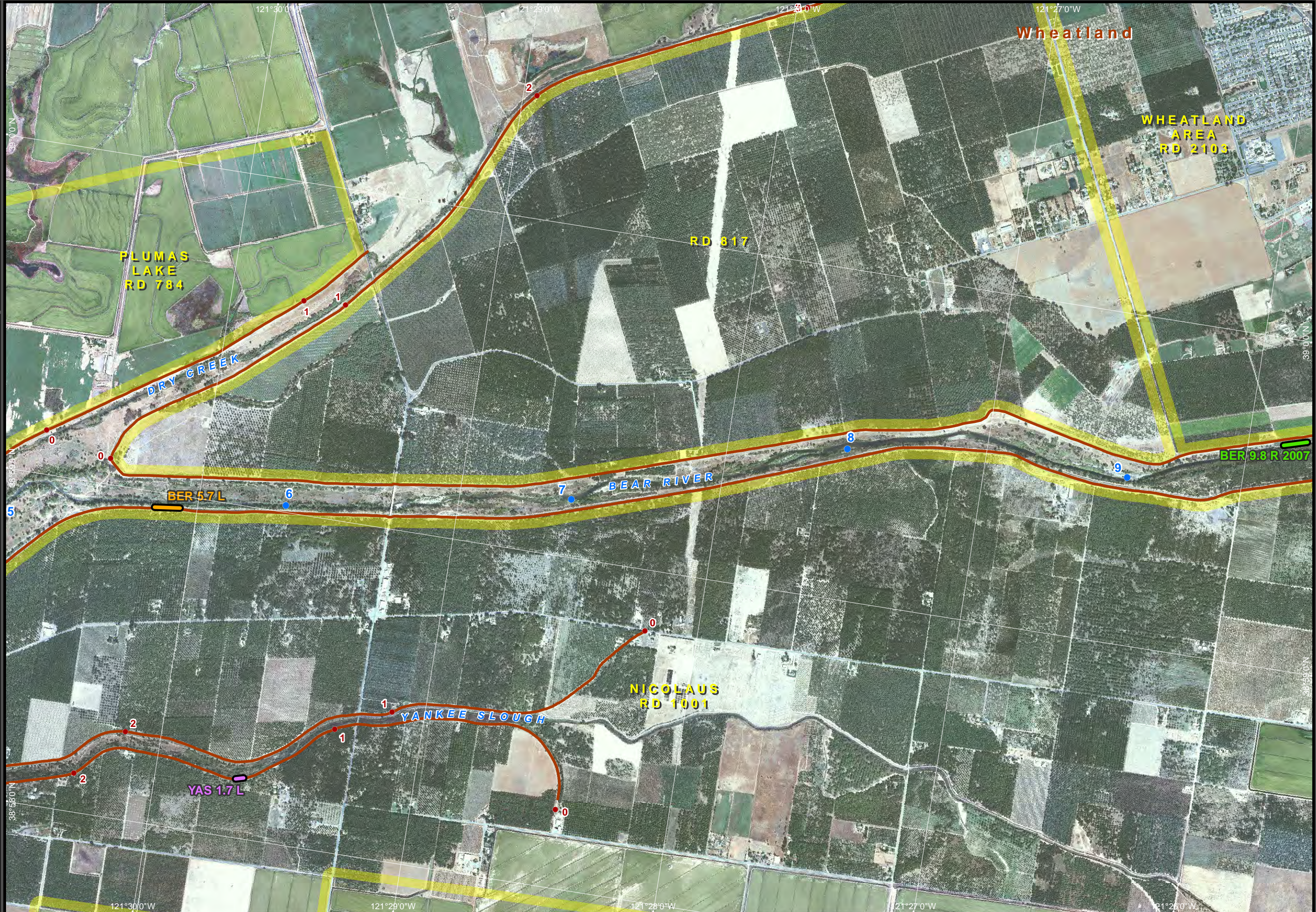
Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.



BEAR RIVER/YANKEE SLOUGH

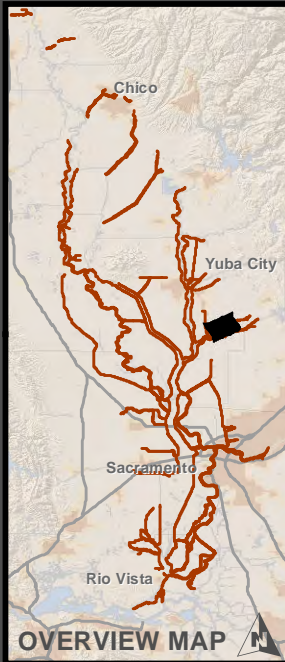
Annual Inventory

PLATE: 68









### Legend

- River Miles
- Levee Miles
- Critical Erosion
- Erosion
- New Erosion (2011)
- Under Construction
- Repaired
- SRBPP Levees
- Reclamation District
- Maintenance Areas
- Levee Districts

Aerial Imagery Source:  
1ft Digital Globe, 2008



The information depicted in this GIS layer is the result of digital analyses performed on a database consisting of information from a variety of governmental and other credible sources. The accuracy of the information presented is limited to the collective accuracy of the database on the date of the analysis. The information is believed accurate and reasonable efforts have been made to ensure the accuracy of the data. However, the US Army Corps of Engineers Sacramento District GIS Team expressly disclaims responsibility for damages or liability that may arise from use of this data.

