

DEPARTMENT OF WATER RESOURCES  
CENTRAL DISTRICT  
GEOGRAPHIC INFORMATION SECTION

DELTA GIS PROGRAM DESCRIPTION

- Title: Sacramento-San Joaquin Delta: Distribution of Special Status Species and Habitat.
- Geographic Area: All Reclamation and Levee Districts within the Delta boundary as defined per Section 12220 of the California Water Code.
- Coordinate System: Universal Transverse Mercator, Zone 10.
- Coverage: Northern Boundary  $\approx$  4271320N; Eastern Boundary  $\approx$  659960E;  
Southern Boundary  $\approx$  4166310N; Western Boundary  $\approx$  592680E.
- Accuracy: 1:24000.
- Data Assembled By: Department of Water Resources, Central District, Flood Protection and Geographic Information Branch, in Cooperation with the Department of Fish and Game, Region II, Delta Levees Project.
- Graphic Platform: AutoCAD Release 12 for DOS and AutoCAD Release 12 for Windows. DWG and DXF (AutoCAD), GXF (Geo/SQL), and ArcINFO GENERate (through Spatial Analyst import/export) file formats supported.
- Database Platform: ORACLE SQL RDBMS, Version 6.0.36.1.0 for DOS, R:Base 5.x for MS-Windows, and other ODBC compliant Windows databases. File formats supported according to database used or as .dbf import/export.
- GIS Platform: Geo/SQL Version 4.1 for DOS and Geo/SQL Version 4.2 for Windows.

Project Description:

The Delta Levee Subventions Program in accordance with the Delta Flood Protection Act of 1988 (SB 34) provides assistance to Delta reclamation districts in maintaining and improving their levees to at least the standards specified in the flood Hazard Mitigation Plan (HMP) for the Delta. SB 34 provides increased funding and a higher reimbursement percentage to the districts, but also mandates "no net long-term loss of fish, wildlife and riparian habitat." It is for this purpose the Central District, Delta Levee Subventions and National Flood Insurance Section acquired a GIS to manage digital and spatial data associated with the SB 34 program.

The Delta "base map" is comprised of thirty-four 7.5 minute USGS 1:24000 quadrangle maps digitized in AutoCAD DWG format. The separate digital maps were then joined as a singular seamless map. Overlaid onto the Delta base map is the Department of Fish and Game's Natural Diversity Data Base map which indicates special status species sites. The data is kept current through periodic updates from the NDDB and field surveys performed by environmental consultants for the reclamation districts.

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The database tables (Oracle and R:Base) contain attribute information regarding reclamation districts, special status species, levee maintenance information, and habitat mitigation areas which are stored as point, polyline, or polygon data in the Geo/SQL spatial database. Reclamation district data, associated with respective polygons (districts), include RD or area number and name, SB 34 participation status, miles of project and non-project levees for SB 34 participants, and engineering and environmental consultants. Special status species data, associated with location points (sites), include RD or area number, species name, and dates sighted. Natural community data, associated with respective polygons (areas), include RD or area number, community type, and dates sighted. Levee maintenance data associated with respective entity types include RD or area number and name and fiscal year in which the work was performed. Habitat mitigation data, associated with respective polygons (areas) and polylines (sites), include RD or area number, habitat type, area size in acres or linear feet, and agreement dates.

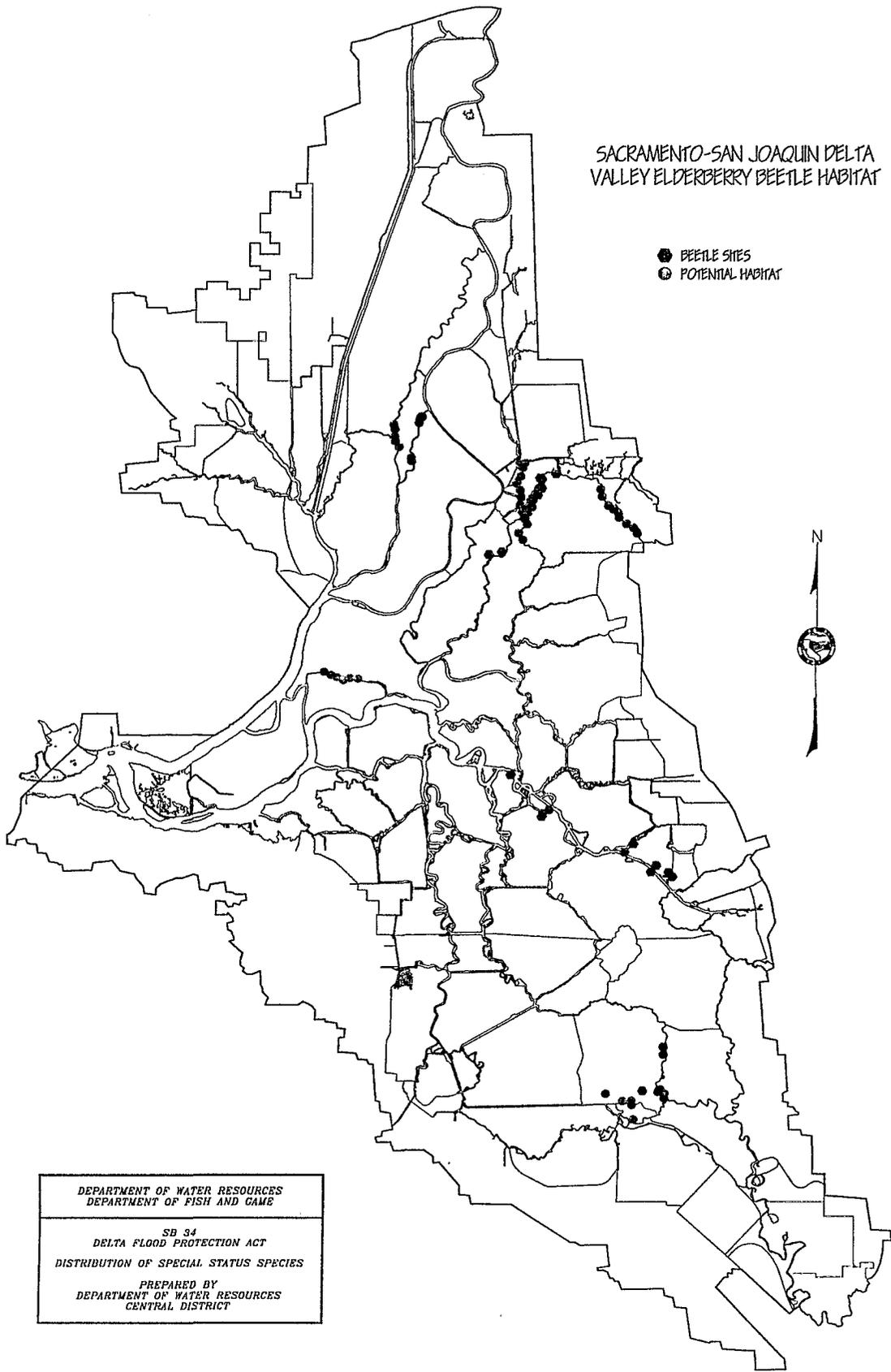
All associated data can be output as attribute blocks in either DWG or DXF file formats. The file size of a drawing including all layers of data pertaining to the SB 34 program is approximately 10MB. All requests for digital files must be made in writing and include the intended usage of the data and/or brief project description to the mailing address below.

For information regarding the DWR Central District Delta GIS Program contact Kent Nelson, Department of Water Resources, Central District, 3251 S Street, Sacramento, CA 95816, Telephone (916) 227-7577, FAX (916) 227-7600, or E-Mail [knelson@water.ca.gov](mailto:knelson@water.ca.gov), or contact Rod González (same address and FAX), Telephone (916) 227-7575, or E-Mail [rgonzale@water.ca.gov](mailto:rgonzale@water.ca.gov).

For information regarding DWR Central District GIS projects, contact the Central District GIS Coordinator, Ron Landingham, Department of Water Resources, Central District, 3251 S Street, Sacramento, CA 95816, Tel: (916) 227-7610, FAX: (916) 227-7600, or E-Mail [rland@water.ca.gov](mailto:rland@water.ca.gov).

SACRAMENTO-SAN JOAQUIN DELTA  
VALLEY ELDERBERRY BEETLE HABITAT

- BEETLE SITES
- POTENTIAL HABITAT



DEPARTMENT OF WATER RESOURCES  
DEPARTMENT OF FISH AND GAME

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SB 34  
DELTA FLOOD PROTECTION ACT  
DISTRIBUTION OF SPECIAL STATUS SPECIES

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CENTRAL DISTRICT

SACRAMENTO-SAN JOAQUIN DELTA  
SWAINSONS HAWK

● HAWK SITES



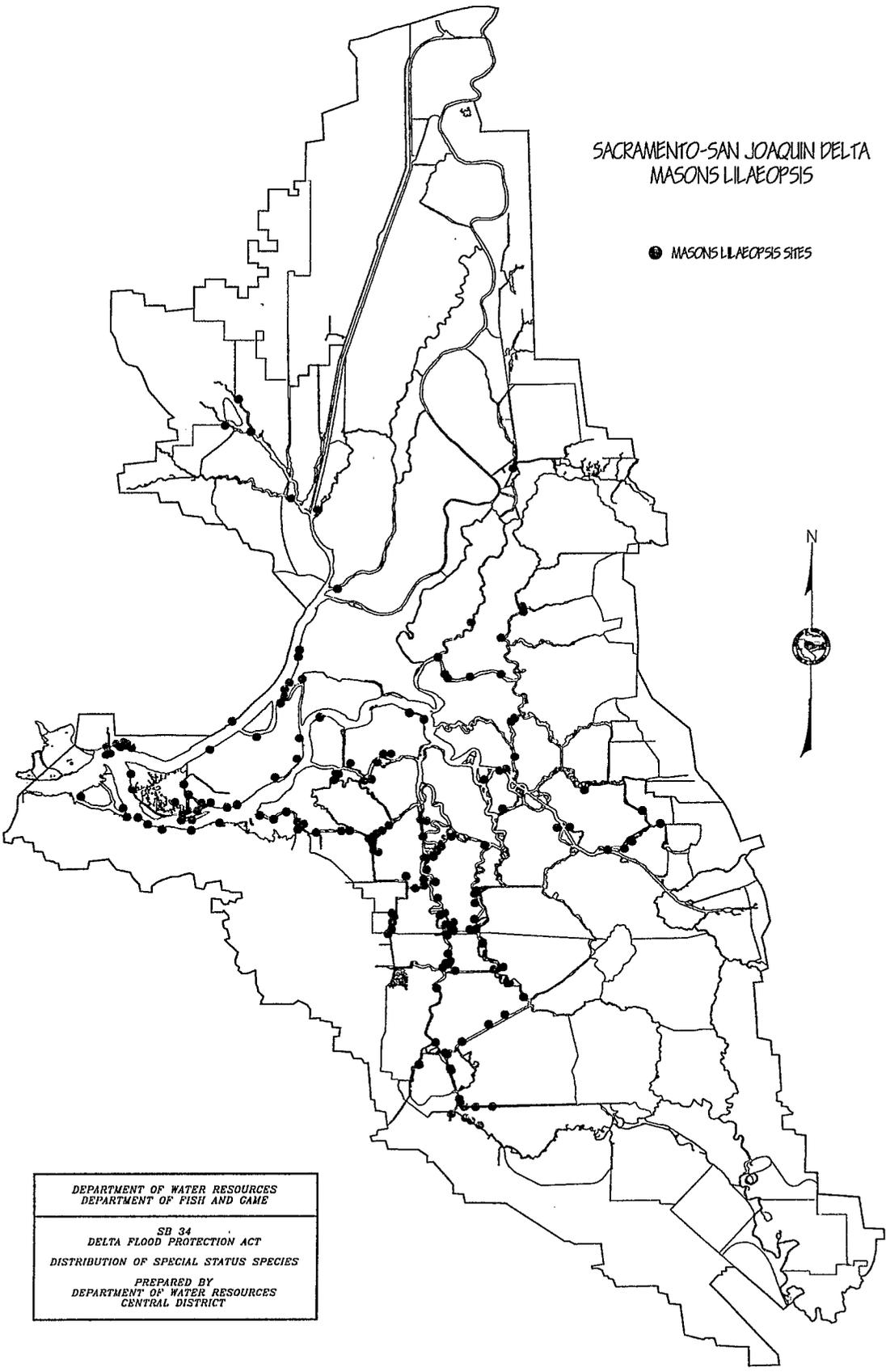
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DEPARTMENT OF FISH AND GAME

SB 34  
DELTA FLOOD PROTECTION ACT  
DISTRIBUTION OF SPECIAL STATUS SPECIES

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CENTRAL DISTRICT

SACRAMENTO-SAN JOAQUIN DELTA  
MASON'S LILAEOPSIS

● MASON'S LILAEOPSIS SITES



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DEPARTMENT OF FISH AND GAME

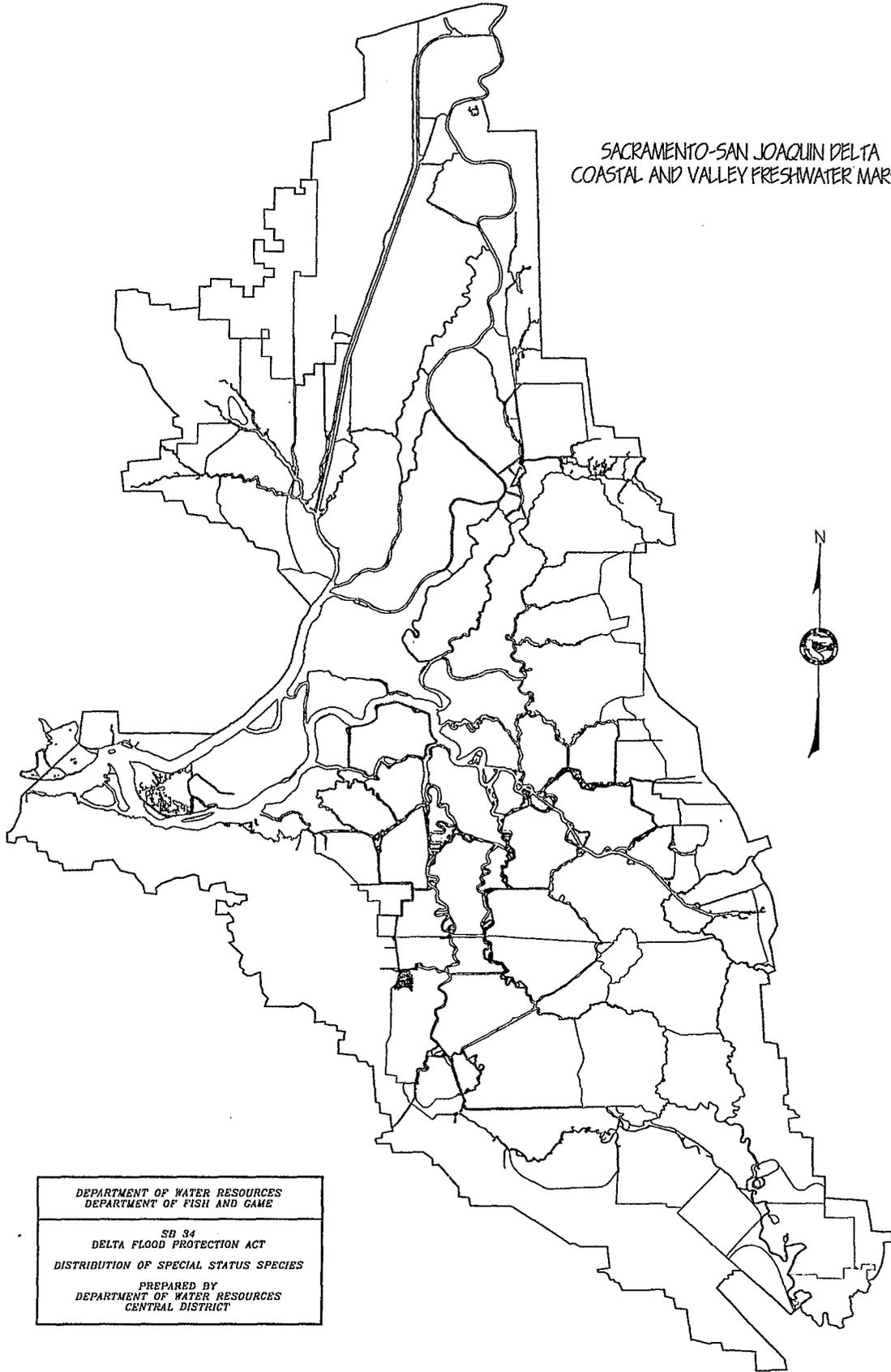
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SB 34  
DELTA FLOOD PROTECTION ACT  
DISTRIBUTION OF SPECIAL STATUS SPECIES

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CENTRAL DISTRICT

SACRAMENTO-SAN JOAQUIN DELTA  
COASTAL AND VALLEY FRESHWATER MARSH



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DEPARTMENT OF FISH AND GAME

SB 34  
DELTA FLOOD PROTECTION ACT  
DISTRIBUTION OF SPECIAL STATUS SPECIES

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