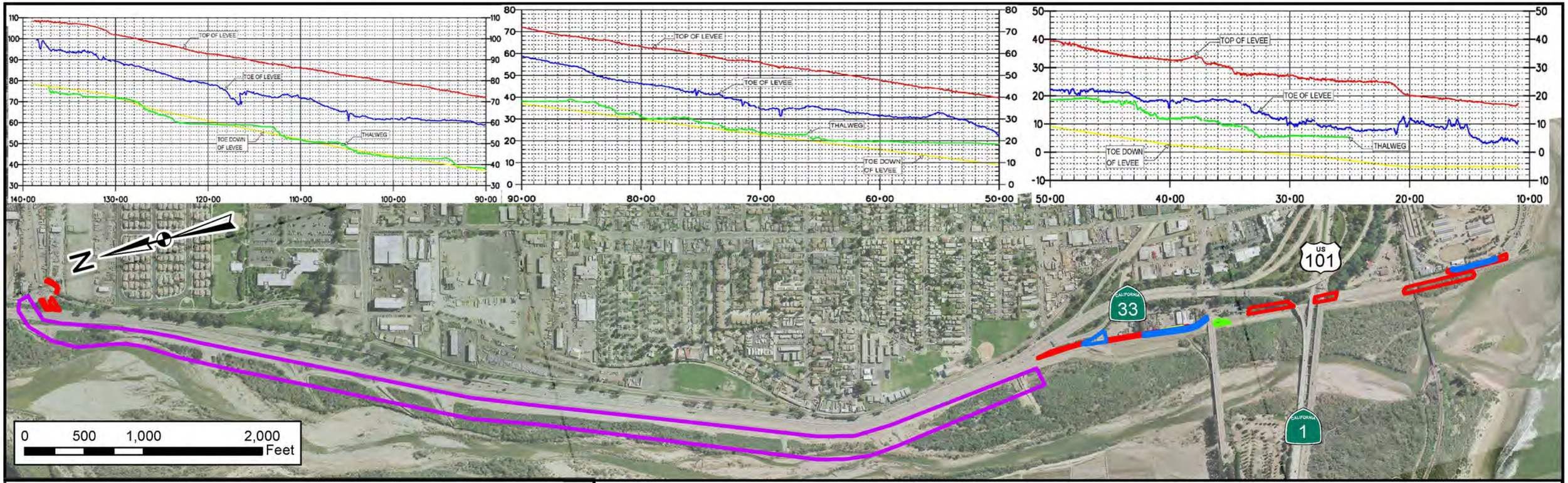
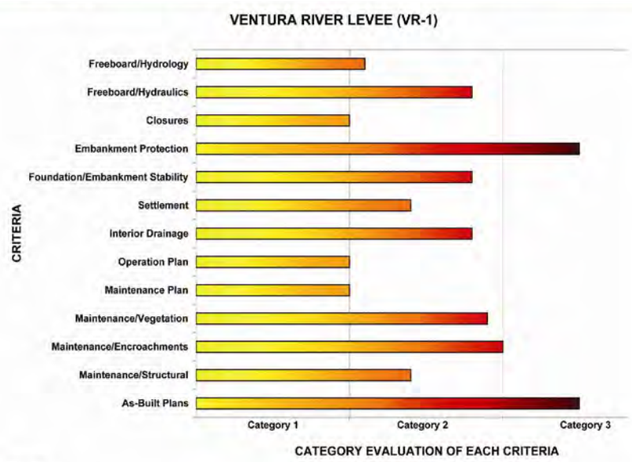
CERTIFICATION DOCUMENTATION ACTION PLAN MAP
VENTURA RIVER LEVEE (VR-1: FEMA ID 53)





LEGEND

Vegetation Removal Areas

- 2" Diameter. Requires: Mow down
- 2"-4" Diameter. Requires: Cut flush
- 4"+ Diameter. Requires: Excavation

Encroachment & Scour Problem Areas

- Encroachment
- Scour

Easement Type

- Fee Parcel
- Easement Parcel
- Maintenance Easement
- Other Easement Type
- Other Lot Lines

LEVEE CERTIFICATION ACTION PLAN TASK TIMELINE AND COST ESTIMATES FOR VR-1

February 13, 2009

Task	Jan 3 4	February 1 2 3 4	March 1 2 3 4 5	April 1 2 3 4	May 1 2 3 4	June 1 2 3 4 5	July 1 2 3 4	August 1 2 3 4 5	September 1 2 3 4	October 1 2 3 4	November 1 2 3 4	Post-Nov.30	Cost Estimate Total
Vegetation Removal													$225,000
Maintenance Repairs													$14,000
Topographic Survey Verification													$38,000
Hydrologic Analysis													$26,000
Hydraulic Analysis													$30,000
Interior Drainage													$69,000
Sediment/Scour Analysis													$30,000
Geotechnical Analysis													$165,000
Title Search/Boundary Survey													$40,000
Public Outreach													$20,000
Easement Acquisition													$60,000
Environmental Documents/Permits													$60,000
Engineering Analysis													$78,000
Plans, Specs & Estimate - Bank Repair													$85,000
Plans, Specs & Estimate - Scour													$250,000
Construction/As-Builts													$12,620,000
O&M Manuals													$10,000
Levee Certification Report													$125,000
												Rough Order of Magnitude Cost:	**$13,945,000**

Legend
- District Action Item
- Engineering Consultant Action Item
- Construction Contractor Action Item

Notes:
1) Costs in this table are Rough Order of Magnitude and are based on the best available information as of the date listed in the upper left.
2) Costs for major rehabilitation requirements due to deficiencies found in future work are not included in this table.