

**MINUTE ITEM**

This Calendar Item No. ~~C124~~ was approved as Minute Item No. 124 by the California State Lands Commission by a vote of 3 to 0 at its 12/16/98 meeting.

**INFORMATIONAL  
CALENDAR ITEM  
C124**

A 57, 58

S 29

12/16/98  
W 16008  
W 10431  
V. Duda

**STAFF REPORT ON THE MONITORING FOR  
POSSIBLE SUBSIDENCE AND SEISMIC HAZARDS,  
LONG BEACH UNIT, WILMINGTON OIL FIELD,  
LOS ANGELES COUNTY**

**PARTY:**

California State Lands Commission  
100 Howe Avenue, Suite 100-South  
Sacramento, CA 95825-8202

**BACKGROUND:**

The City of Long Beach conducts surveys twice each year, in May and November, for the purpose of monitoring changes in ground elevation of the Long Beach tidelands and adjacent areas. The California State Lands Commission's staff reviews and interprets the benchmark elevation data from these semi-annual surveys.

Ground elevation survey data for the 33 year period, May 1965 to May 1998, show stable conditions throughout the City and Alamitos Bay areas and some elevation changes in the Harbor District. The latest survey indicates essentially no elevation changes in the Civic Center-Central City and the Alamitos Bay areas. The Harbor District has seen a decrease in elevation of about 0.14 feet along Henry Ford Avenue and eastward along Pier A, extending south to Pier T. This elevation change is believed to be caused by modification in the steam flood operation in the old Wilmington Field. The elevation losses in the areas along Pier A and Pier T are due to injection rate decreases. The injection rates have been realigned to stabilize the area. The results of the next regular elevation survey, to be conducted in November 1998, will be reported to the Commission after the data have been received and analyzed by the

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Commission's staff.

Additionally, a network of seven seismic monitoring stations are being operated for the Long Beach Unit under contract with the Geophysical Laboratory of the University of Southern California at a budgeted cost of \$141,000 for the 1997/1998 fiscal year. No seismic event originated within the Long Beach Unit during the review period, November 1997 to May 1998. The Commission's staff will continue to advise the Commission of any change in seismic activity in the vicinity of the Long Beach Unit.

**EXHIBIT:**

A. Location Map

**PERMIT STREAMLINING ACT DEADLINE:**

N/A.

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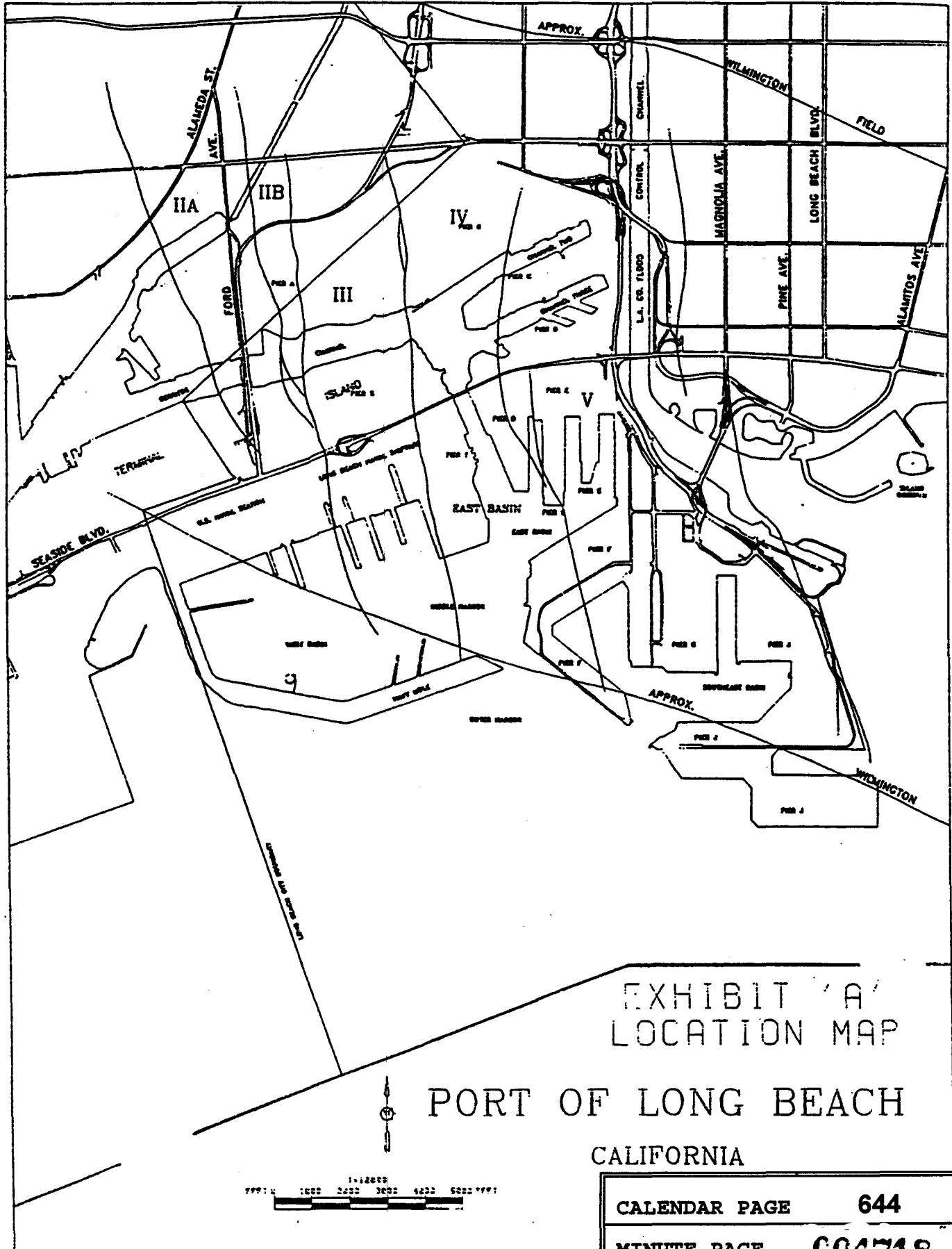


EXHIBIT 'A'  
LOCATION MAP

PORT OF LONG BEACH  
CALIFORNIA



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