

**MINUTE ITEM**

This Calendar Item No. C99 was approved as Minute Item No. 99 by the California State Lands Commission by a vote of 3 to 0 at its 4-24-01 meeting.

**INFORMATIONAL  
CALENDAR ITEM  
C99**

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04/24/01  
W 16008  
W 10434  
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 Commission's staff reviews and interprets the benchmark elevation data from these semi-annual surveys. This report covers bench marks surveyed in November 2000 and compares elevation changes that have occurred since completion of the previous survey in May 2000.

Within the Harbor District elevation losses of up to 0.10 feet (1.2 inches) were observed in localized areas centered at Piers E, F and S. Surface loading during Pier E and F redevelopment and in-filling of the slips created a localized depression of 0.10 feet (1.2 inches). Pier S elevation loss also was due to redevelopment and surface loading. Slightly lower surface elevations in the northern portions of Fault Blocks II, III, IV were associated with changes in water injection and well realignments. Minor elevation losses centered along Henry Ford Avenue are slowly stabilizing with the increased water injection since the steam flood operations were curtailed. Civic Center-Central City and Alamitos

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Bay areas had no significant elevation changes, nor did the oil islands. The results of the next regular elevation survey, to be conducted in May 2001, will be reported to the Commission after the data have been received and analyzed by the Commission's staff.

No seismic event originated within the Long Beach Unit during the review period May 2000 to November 2000. 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

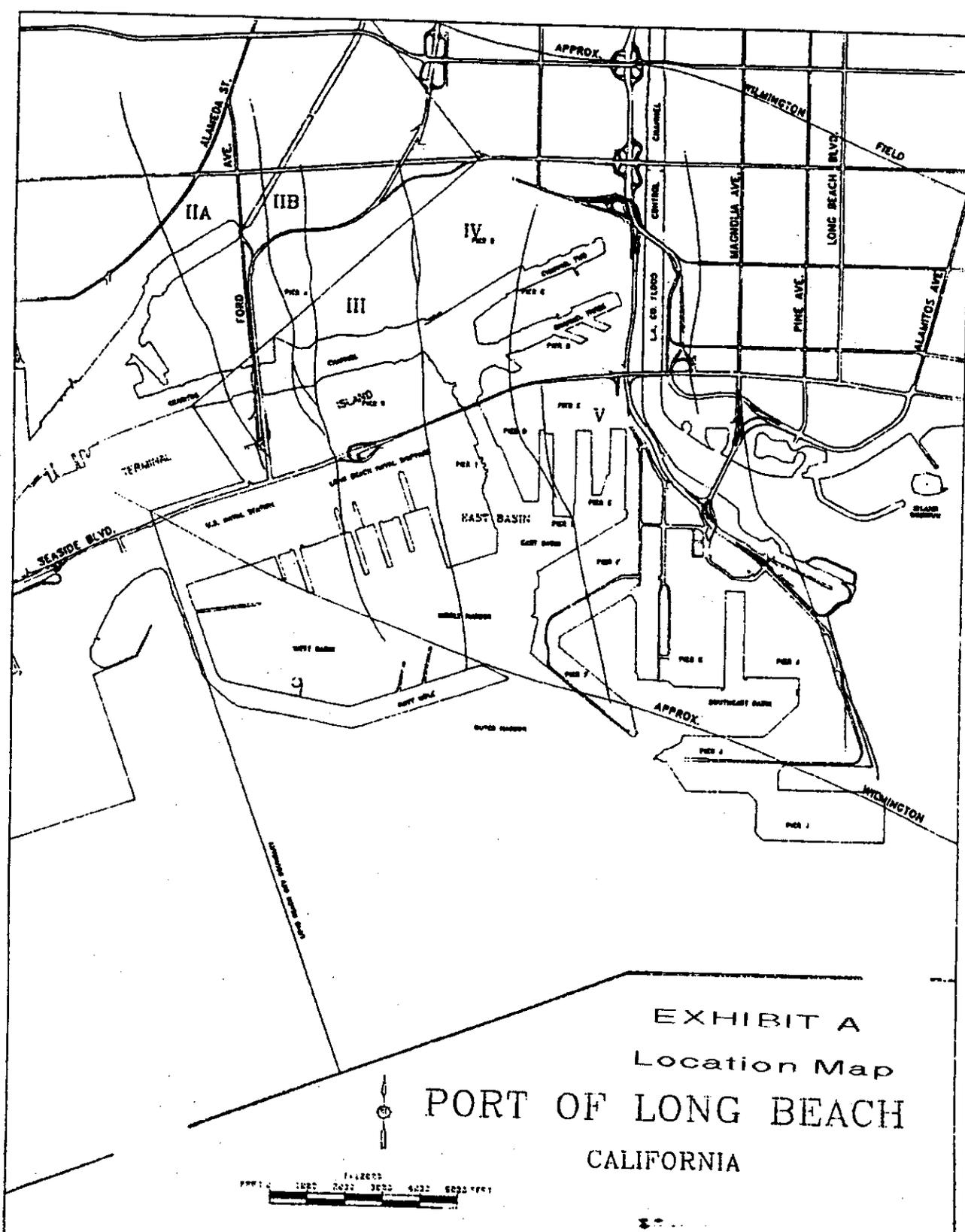


EXHIBIT A  
 Location Map  
 PORT OF LONG BEACH  
 CALIFORNIA



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