

**INFORMATIONAL  
Minute Item  
C54**

**MINUTE ITEM**  
This Calendar Item No. C54  
was submitted for information  
only, no action thereon  
being necessary.

11/27/00  
W 16008  
W 10433  
V. DUDA

**CALIFORNIA STATE LANDS COMMISSION  
(INFORMATIONAL)**

Calendar Item C54: Staff report on the monitoring of subsidence and seismic hazards at Wilmington Oil Field. This was an informational item.

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**INFORMATIONAL  
CALENDAR ITEM  
C54**

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11/27/00  
W 16008  
W 10433  
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 May 2000 and compares elevation changes that have occurred since completion of the previous survey in November 1999.

Within the Harbor District, elevation losses of up to 0.10 feet (1.2 inches) occurred at Piers E and F. These elevation losses are related to redistribution of surface loading by the filling in of slips due to Harbor redevelopment. Outer Harbor area elevation losses are up to 0.05 feet (0.6 inches). These decreased elevations appear to be associated with ongoing well and water injection realignment. Elevations along Henry Ford Avenue in the steam flood area have stabilized since that project was curtailed and water injection was increased. The Civic Center – Central City and Alamitos Bay areas had no significant elevation changes, nor did the oil islands.

CALENDAR ITEM NO. **C54** (CONT'D)

The results of the next regular elevation survey, to be conducted in November 2000, will be reported to the Commission after the data have been received and analyzed by the 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. No seismic event originated within the Long Beach Unit during the review period November 1999 to May 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

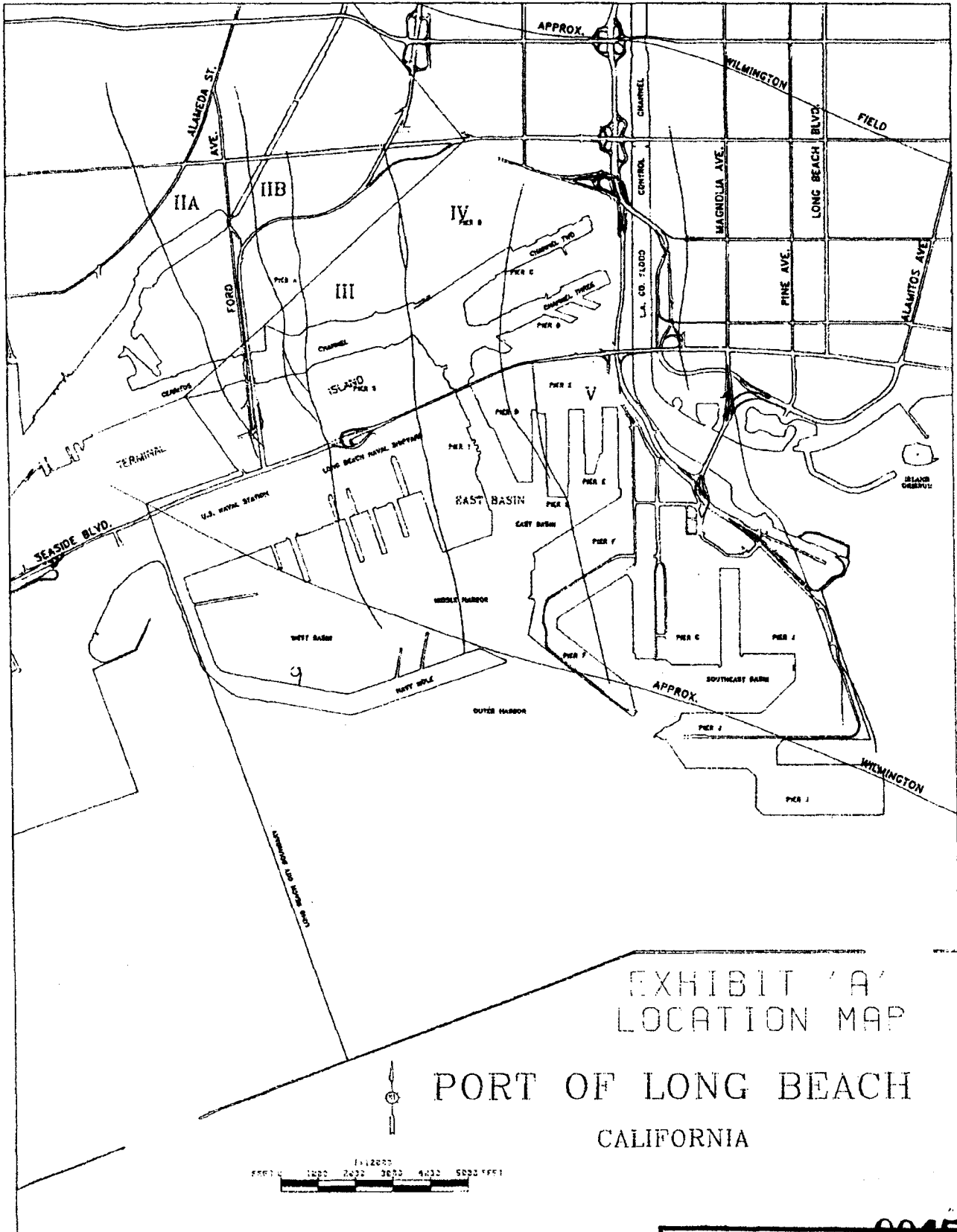
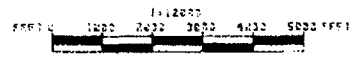


EXHIBIT 'A'  
LOCATION MAP

PORT OF LONG BEACH  
CALIFORNIA



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