

**MINUTE ITEM**  
This Calendar Item No. C79 was approved as  
Minute Item No. 19 by the California State Lands  
Commission by a vote of 3 to 0 at its  
06/26/06 meeting.

**INFORMATIONAL  
CALENDAR ITEM  
C79**

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06/26/06

W 16001

W 10439

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V. Duda

**STAFF REPORT ON THE  
MONITORING OF POSSIBLE SUBSIDENCE,  
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 benchmarks surveyed in November 2005 and compares elevation changes that have occurred since completion of the previous survey in May 2005.

The Harbor District remained stable with the exception of minor elevation losses in two areas. A loss of -0.040 feet (-0.48 inches) occurred along Ocean Boulevard in Fault Block III. A localized loss of -0.030 feet (-0.36 inches) was measured on the northern section of Pier D. These elevation changes were due to the increased oil production and realignment of water injection in the Harbor District.

Elevation losses continue over the curtailed Tar steam flood area west of Henry Ford Avenue. A loss of -0.098 feet (-1.18 inches) was measured at Henry Ford Avenue on the north side of Cerritos Channel. The steam flood, initiated in the

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1980s, was terminated in 1999 because of possible subsurface compaction that may have been caused by high temperatures derived from the steam injection.

Elevations throughout the Civic Center, Central City, Alamitos Bay, and Naples remained stable or increased slightly in elevation. A minor elevation increase of 0.049 feet (0.59 inches) was measured in the Civic Center and an increase of 0.032 feet (0.38 inches) was measured at Naples. The oil islands remained stable except for a minor elevation loss of -0.036 feet (-0.43 inches) at Island White. The change was due to a localized water injection shutdown on the island.

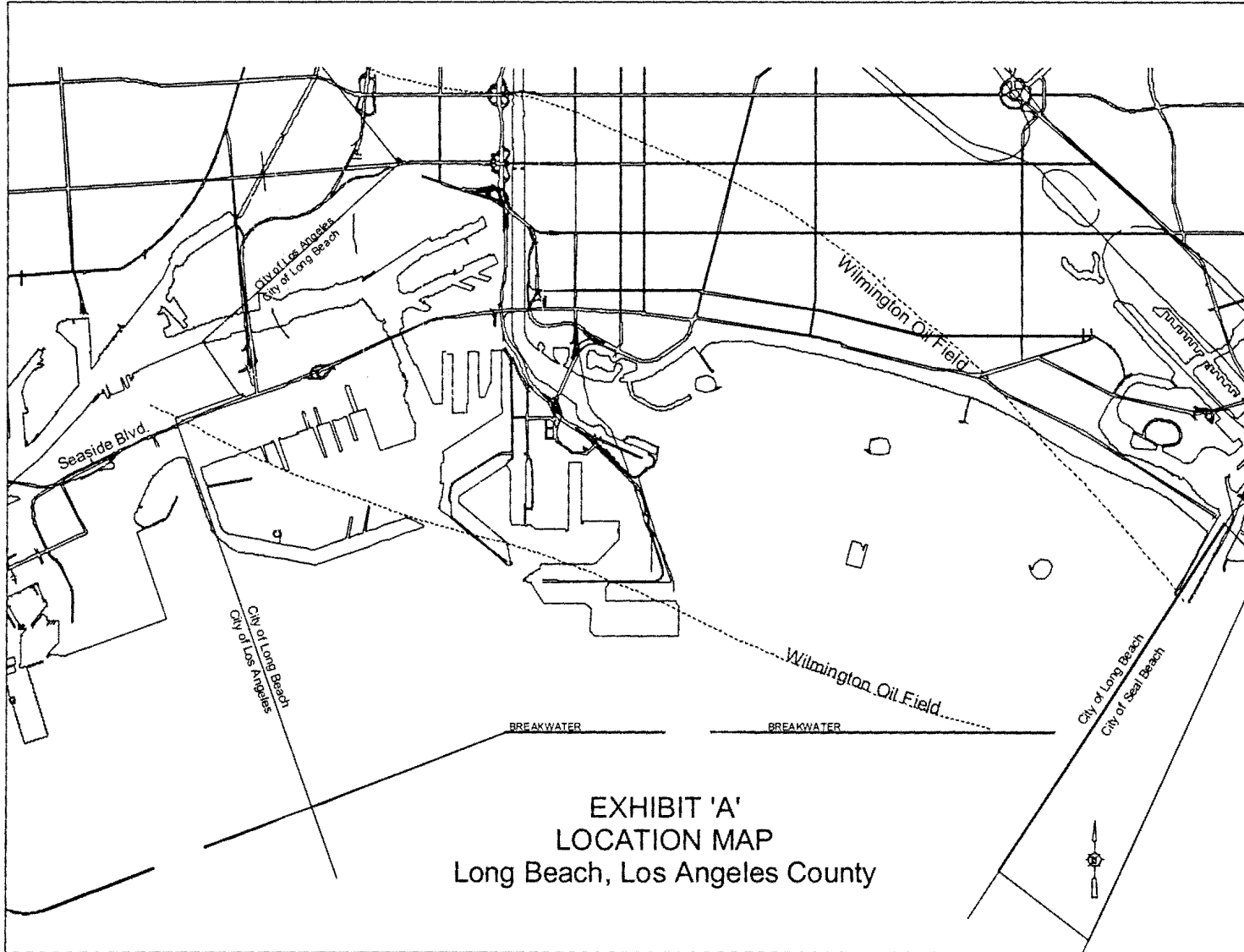
The results of the next regular elevation survey, to be conducted in May 2006, will be reported to the Commission after the data have been received and analyzed by the Commission's staff.

**EXHIBIT:**

A. Location Map

**PERMIT STREAMLINING ACT DEADLINE:**

N/A (not a "development project" subject to the Act)



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