

**INFORMATIONAL
CALENDAR ITEM
C46**

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S 27, 28

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R. B. Greenwood

**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 (City) 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.

STAFF ANALYSIS:

This report covers benchmarks surveyed in May 2010 and compares elevation changes that have occurred since completion of the previous survey in November 2009.

Elevations throughout the Civic Center, Alamitos Bay, Naples, and offshore areas were stable during the six-month period.

The Harbor District remained stable except for two areas of minor elevation change. Piers D, E, F, and H experienced an elevation increase of up to 0.065 feet (0.78 inches). The elevation increase was due to the increased injection as a result of newly completed water injection wells. Portions of Piers A, S, and T experienced an elevation loss of 0.070 feet (0.84 inches). The Long Beach Gas and Oil Department is mitigating the elevation change in this area by increasing water injection requirements.

Elevations in the City of Long Beach beyond the boundaries of the Wilmington Oil Field were stable.

The results of the next regular elevation survey, conducted in November 2010, 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