

**INFORMATIONAL  
CALENDAR ITEM**

**90**

A 70

04/23/14

W 16001

W 10442

S 33, 34

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 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 October 2013 and compares elevation changes that have occurred since completion of the previous survey in May 2013.

Elevations throughout Alamos Bay, Naples, the Civic Center, and the offshore drilling islands were stable during the six-month period. In the Harbor District, the central portion of Pier A and the northern portion of Pier S experienced a decline of 1.2 inch (0.01 foot). City engineers are closely monitoring these areas and are mitigating future elevation losses by developing monthly action plans with the Contractor (Occidental Petroleum) and redirecting injection to areas of concern.

The results of the next regular elevation survey, to be conducted in May 2014, will be reported to the Commission after the data have been received and analyzed by the Commission's staff.

**EXHIBIT:**

A. Location Map

# EXHIBIT A

W 16001  
W 10442

