

MINUTE ITEM  
This Calendar Item No. C69  
was submitted for information  
only, no action thereon  
being necessary.

**Minute Item  
C69**

04/26/05  
W 16008, W 10438  
V. Duda

**CALIFORNIA STATE LANDS COMMISSION  
(INFORMATIONAL)**

**Item C69 was INFORMATIONAL only. No vote was taken.**

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MINUTE PAGE

INFORMATIONAL  
CALENDAR ITEM  
**C69**

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**STAFF REPORT ON THE MONITORING  
FOR 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 2004 and compares elevation changes that have occurred since completion of the previous survey in May 2004.

The Harbor District had minor elevation increases or remained stable during this period. The most significant elevation change was a localized increase of up to 0.062 feet (0.744 inches) on Pier G. Minor elevation increases were also measured at Pier C and Pier E.

Elevation losses continued over the curtailed Tar steam flood area west of Henry Ford Avenue. A loss of up to -0.056 feet (-0.672 inches) was measured west of the HNJJN Permanent GPS Station. The steam flood, initiated in the 1980s, was terminated in 1999 due to subsurface shale compaction caused by high temperatures derived from steam injection.

CALENDAR ITEM NO. C69 (CONT'D)

Elevations throughout the Civic Center, Central City, Alamos Bay and Naples remained stable or increased slightly in elevation. A minor elevation increase of 0.05 feet (0.60 inches) occurred west of Cherry Avenue along Broadway and Ocean Boulevard to the shoreline. The oil islands remained stable with no significant elevation change.

The results of the next regular elevation survey, to be conducted in May 2005, 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

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