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

INFORMATIONAL
CALENDAR ITEM
C69

A 57, 58

S 29

12/08/05
W 16001
W 10438
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 May 2005 and compares elevation changes that have occurred since completion of the previous survey in November 2004.

The Harbor District remained stable with the exception of minor elevation losses in three areas. A loss of -0.066 feet (-0.792 inches) occurred along Ocean Boulevard in Fault Block III. A localized loss of up to -0.032 feet (-0.384 inches) was measured at Pier T and –0.040 feet (-0.480 inches) at Pier D. These elevation changes were due to the realignment of oil production and water injection facilities in the harbor district.

Elevation loses continued over the curtailed Tar steam flood area west of Henry Ford Avenue. A loss of up to -0.082 feet (-0.984 inches) was measured south of the HNJN Permanent GPS Station. The steam flood, initiated in the 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 0.066 feet (0.792 inches) occurred near the intersection of Alamitos Avenue and Third Street. The oil islands remained stable with no significant elevation change.

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

W 16001
W 10438

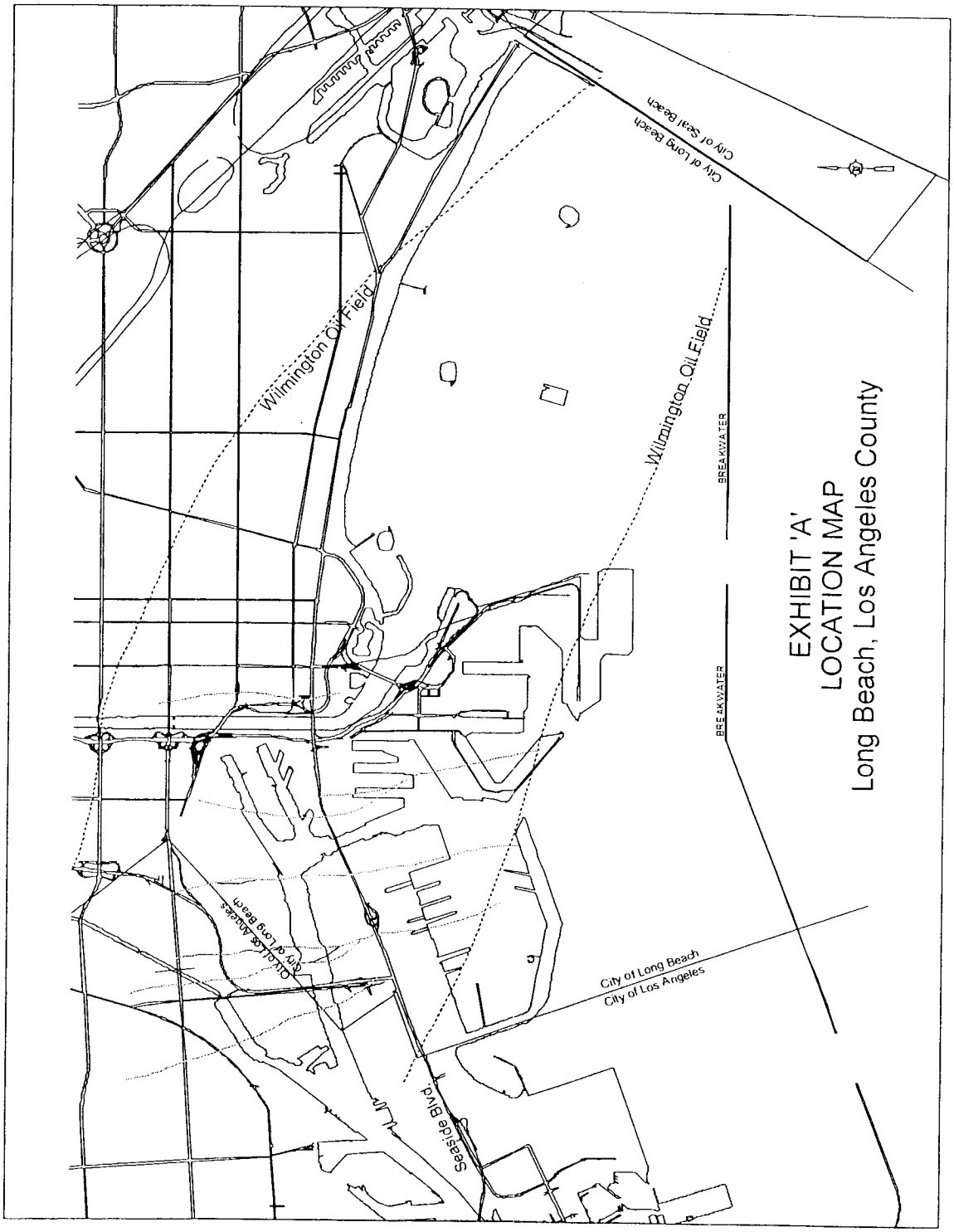

EXHIBIT 'A'
LOCATION MAP
Long Beach, Los Angeles County