

**CALENDAR ITEM
INFORMATIONAL**

91

A	70		04/20/17
			W 10442
			W 16001
S	33, 34		R. B. Greenwood

**STAFF REPORT ON THE MONITORING OF POSSIBLE SUBSIDENCE,
LONG BEACH UNIT, WILMINGTON OIL FIELD, LOS ANGELES COUNTY**

BACKGROUND:

The City of Long Beach (City) conducts surveys twice each year, usually in May and November, to monitor changes in ground elevation of the Long Beach tidelands and adjacent areas that may occur as a result of oil extraction from the Wilmington Oil Field. Commission staff reviews and interprets the benchmark elevation data from these semi-annual reviews. This report covers benchmarks surveyed in October 2016 and compares elevation changes that have occurred since completion of the previous survey in November 2015.

The subsidence monitoring is authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, and is consistent with the Commission's Strategic Plan, Strategy 1.5, to ensure the highest level of environmental protection and public safety in the production and transportation of oil and gas resources.

STAFF DISCUSSION:

Based on the data collected by the City, elevations throughout the Alamitos Bay, Naples, Central City, and Civic Center areas were stable with no indication of decline. The offshore islands were also stable except for a small area of increase (0.07 foot) adjacent to Island Grissom, likely due to increased water injection in the area. Harbor District pier elevations were stable during the 12-month study period. Areas are considered to be stable where elevation change is less than 0.050 foot.

The results of the next regular elevation survey, to be conducted in November 2017, 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 10442
W 16001

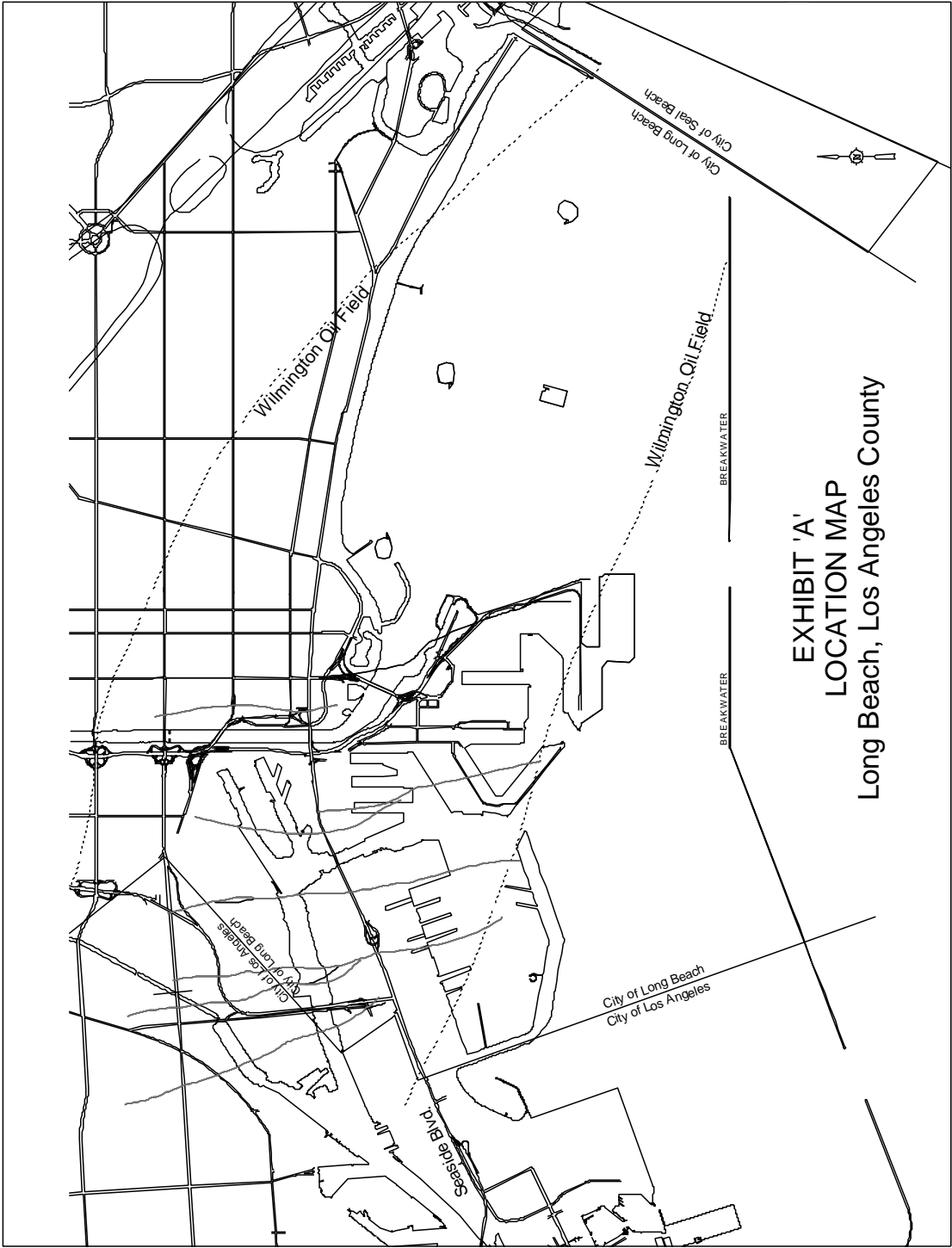


EXHIBIT 'A'
LOCATION MAP
Long Beach, Los Angeles County