A   70   04/05/19
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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 semiannual reviews. The City also reports annually to the Commission staff on its findings. This report covers benchmarks surveyed in October 2018 and compares elevation changes that have occurred since completion of the previous survey in November 2017. The prior report to the Commission was submitted as Staff Report 101, April 19, 2018. Subsidence monitoring is authorized by Chapter 138, Statutes of 1964, First Extraordinary Session and the corresponding Unit and Contractor Agreements.

STAFF ANALYSIS:

Based on the data collected by the City, elevations throughout the Alamitos Bay, Naples, Central City, and Civic Center areas, and offshore drilling islands were stable with no indication of decline. Pier H and an area northwest of Pier A experienced elevation declines of 0.06 foot (0.7 inch) for less than 6 months before being corrected by water injection and fluid production adjustments. This temporary elevation decrease was within normal limits.

The results of the next complete year of regular elevation surveys will be reported to the Commission after the data has been received and analyzed by the Commission's staff.

OTHER PERTINENT INFORMATION:

Staff's review and analysis of the data is consistent with Strategy 1.5 of the Commission's Strategic Plan to ensure the highest level of environmental protection and public safety in the production and transportation of oil and gas resources.
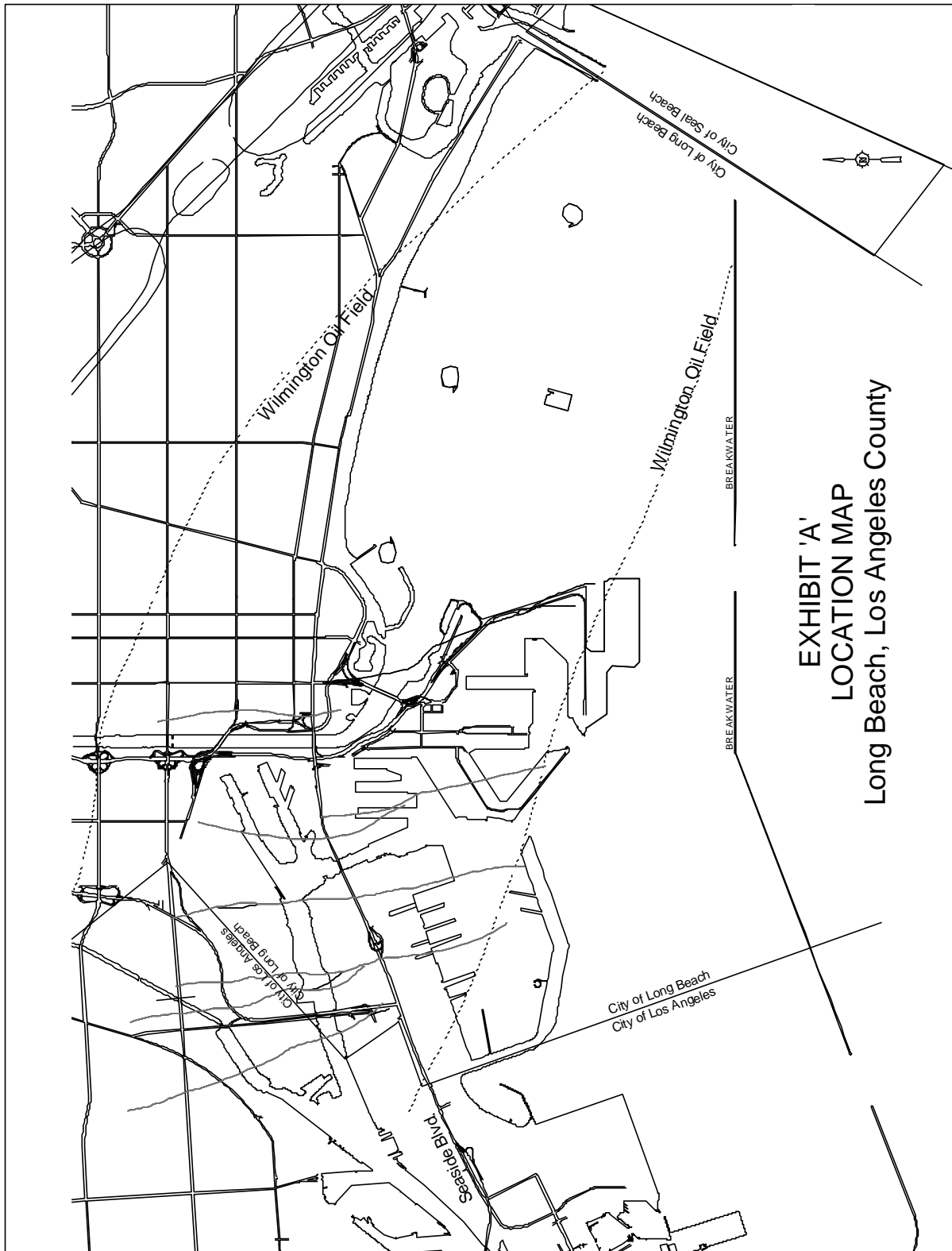
EXHIBIT:
 A. Location Map

W 10442
W 16001

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