

**CALENDAR ITEM  
C95**

A 54, 55

04/26/2013

W 10443

S 27, 28

R. B. Greenwood

**CONSIDER PRIOR APPROVAL OF SUBSIDENCE COSTS  
FOR VERTICAL MEASUREMENTS AND STUDIES,  
FISCAL YEAR 2013-2014, CITY OF LONG BEACH,  
LOS ANGELES COUNTY**

**APPLICANT:**

City of Long Beach  
Long Beach Gas and Oil Department  
Attn.: Mr. Christopher J. Garner, Director  
2400 East Spring Street  
Long Beach, CA 90806

**BACKGROUND:**

The City of Long Beach (City) conducts ground elevation measurement surveys and studies twice each year throughout the Harbor District for the purpose of monitoring changes that may be attributable to subsidence. The City is seeking advance approval from the California State Lands Commission (Commission) for costs associated with conducting vertical measurements and studies in the City between July 1, 2013 and June 30, 2014 (Project). The City estimates the cost of the work to be:

Global Positioning System (GPS) Real-Time Network	\$ 42,900
GPS Elevation Surveys	\$178,200
Management, Evaluations, Reports	<u>\$295,350</u>
	\$516,450

Last fiscal year's Project cost was \$569,600. Historically, the primary method for monitoring vertical subsidence in Long Beach has been spirit leveling. The semi-annual and quarterly surveys are now being conducted utilizing state of the art GPS technology. Field data collection time has been reduced, and the 800 spirit leveled benchmarks have been reduced to approximately 200 GPS benchmarks.

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The GPS Real-Time Network costs (\$42,900) are significantly reduced from Fiscal Year 2012-2013 (\$162,800) due to completion of a GPS base station system replacement program. Replacement of the Radio Network System will be initiated in Fiscal Year 2013-2014, and will be completed over a two-year period.

Costs for vertical measurements for Fiscal Year 2013-2014 (\$178,200) include survey acquisition, professional processing, reporting, and benchmark maintenance. The estimated vertical survey costs have increased from the Fiscal Year 2012-2013 costs (\$146,300) to allow additional intermediate surveys as a result of increased oil field development activities and replacement of benchmarks destroyed by Port of Long Beach construction activities.

Estimated management, evaluation, and reports costs (\$295,350) have increased from Fiscal Year 2012-2013 (\$260,500) due to additional time allocated to voidage surveillance.

**FISCAL IMPACT:**

Subsidence costs for vertical measurements and studies conducted in Long Beach are deducted from the Long Beach Tidelands Oil Revenues, with the prior approval of the California State Lands Commission in accordance with Chapter 138, Statutes of 1964, First Extraordinary Session, Section 1(e).

**STATUTORY AND OTHER REFERENCES:**

- A. The proposed expenditures are authorized by Chapter 138, Statutes of 1964, First Extraordinary Session, Section 1(e) subject to prior approval by the California State Lands Commission.

**OTHER PERTINENT INFORMATION:**

- 1. The staff recommends that the Commission find that this activity is exempt from the requirements of the California Environmental Quality Act (CEQA) as a categorically exempt project. The project is exempt under Class 6, Information Collection; California Code of Regulations, Title 14, section 15306.

Authority: Public Resources Code section 21084 and California Code of Regulations, Title 14, section 15300.

- 2. This activity involves lands identified as possessing significant environmental values pursuant to Public Resources Code section 6370 et seq., but such activity will not affect those significant lands. Based upon the staff's consultation with the persons nominating such lands and

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through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.

**EXHIBITS:**

- A. Location Map
- B. Cost Estimate

**RECOMMENDED ACTION:**

It is recommended that the Commission:

**CEQA FINDING:**

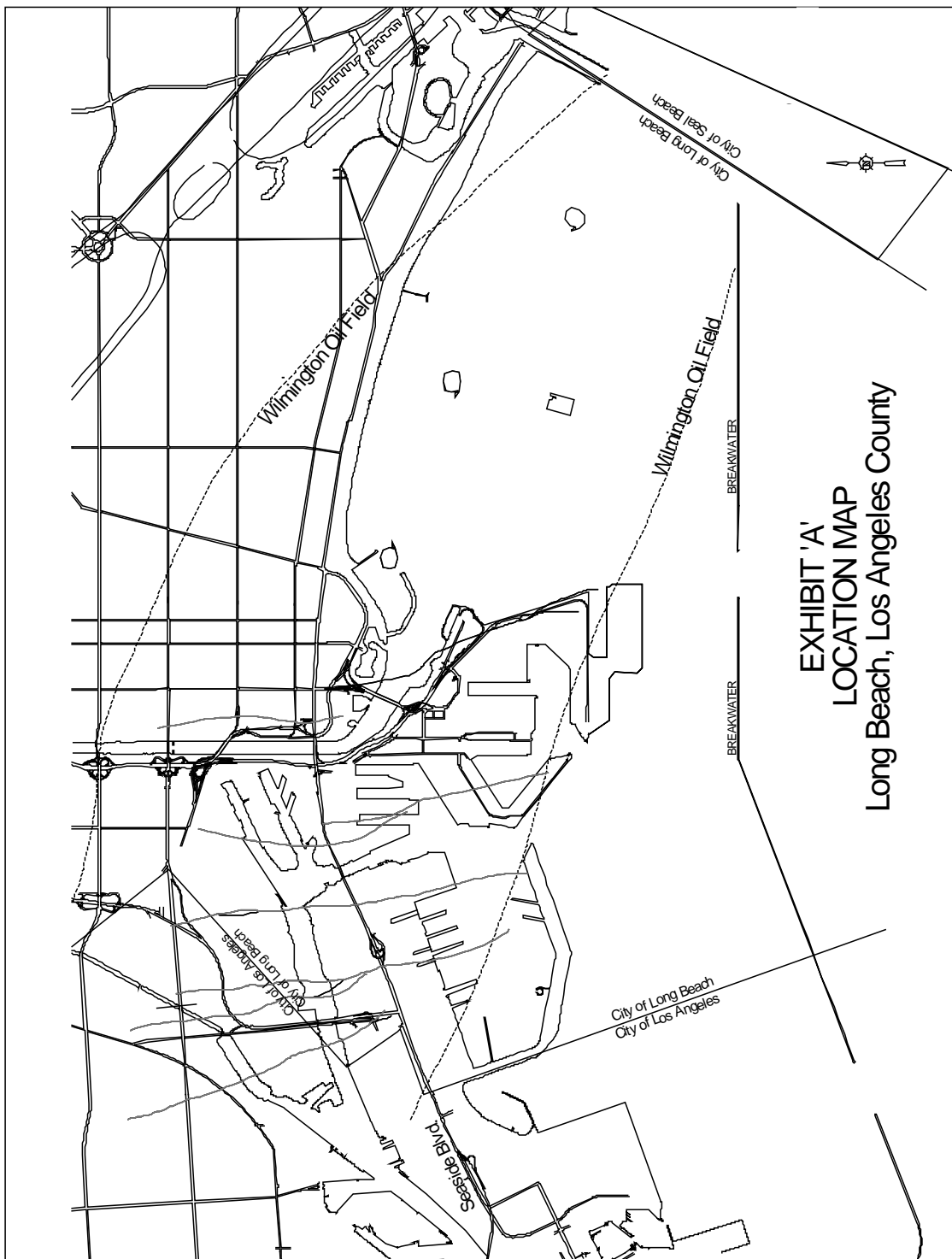
Find that the activity is exempt from the requirements of CEQA pursuant to California Code of Regulations, Title 14, section 15061 as a categorically exempt project, Class 6, Information Collection; California Code of Regulations, Title 14, section 15306.

**SIGNIFICANT LANDS INVENTORY FINDING:**

Find that this activity is consistent with the use classification designated by the Commission for the land pursuant to Public Resources Code section 6370 et seq.

**AUTHORIZATION:**

Approve subsidence costs from Long Beach Tidelands Oil Revenues, as defined in Chapter 138, Statutes of 1964, First Extraordinary Session, section 1(e) and as shown on Exhibit B, attached hereto, by this reference made a part hereof, proposed to be expended by the City of Long Beach for subsidence vertical measurements and studies to be conducted in the Long Beach Harbor District between July 1, 2013 and June 30, 2014, subject to the condition that the work conforms in essential details to the definitions and procedures for such work established by the Commission on June 27, 1979, Minute Item 27.



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

## EXHIBIT B

W 10443

**COST ESTIMATE**  
**LONG BEACH WORK ORDER NO. W 10443**  
Estimates Submitted by City of Long Beach for  
Subsidence Vertical and Horizontal Surveys  
2013-2014 Fiscal Year

<u>ITEM</u>	<u>PROPOSED WORK</u>	<u>RECOMMENDED APPROVAL</u>
1.	GPS Real-Time Network	\$42,900
2.	GPS Elevation Surveys	\$178,200
3.	Studies, Evaluations, and Reports	<u>\$295,350</u>
	Total	\$516,450