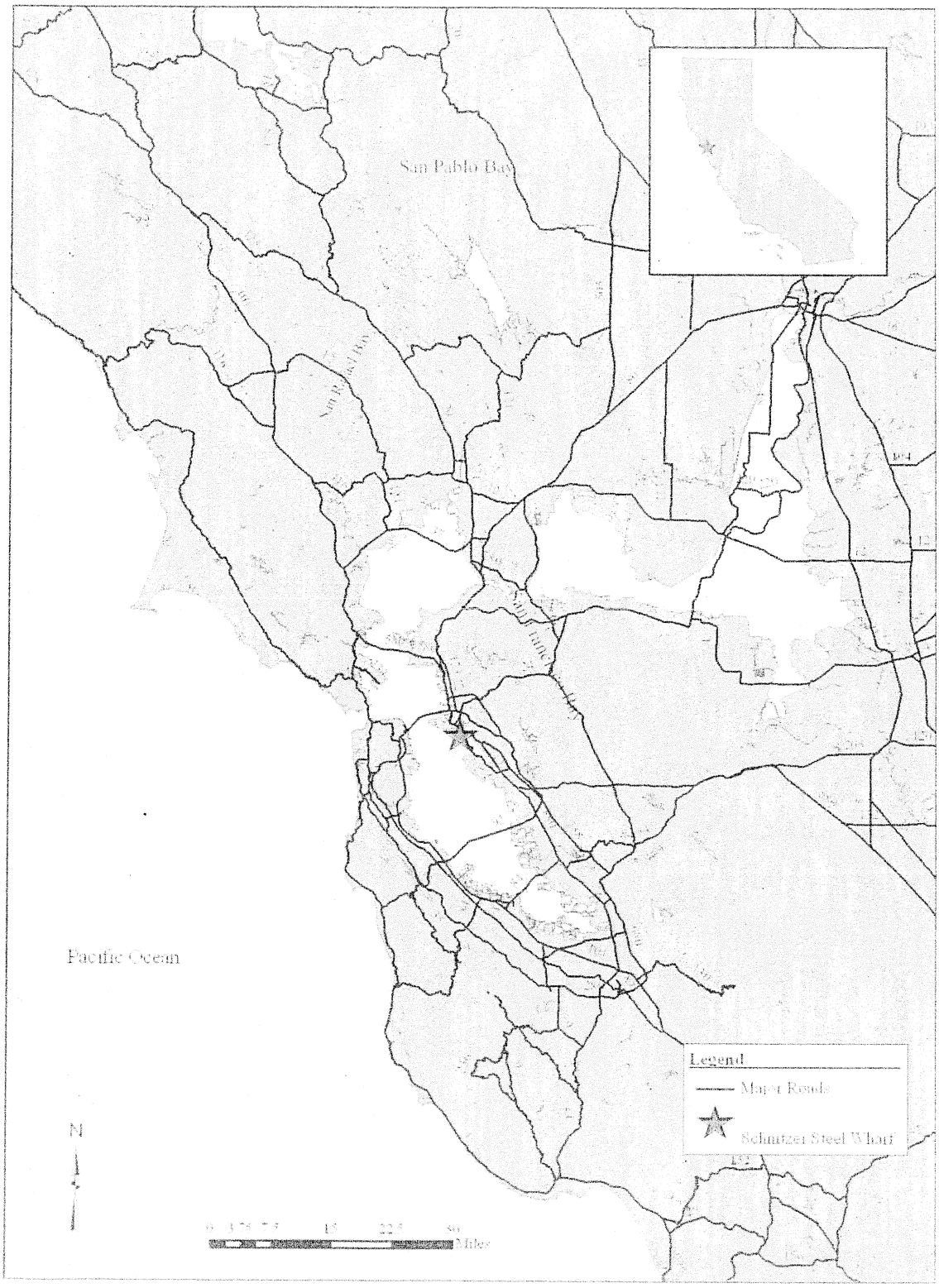


Figure 1. Vicinity Map: Schnitzer Steel Pier

File No.: 2010-00246S	**Schnitzer Steel Products Company Inc.**
Dredging at pier berth	**Oakland, Alameda County, CA**
30 November 2010	**Sheet 1 of 3**

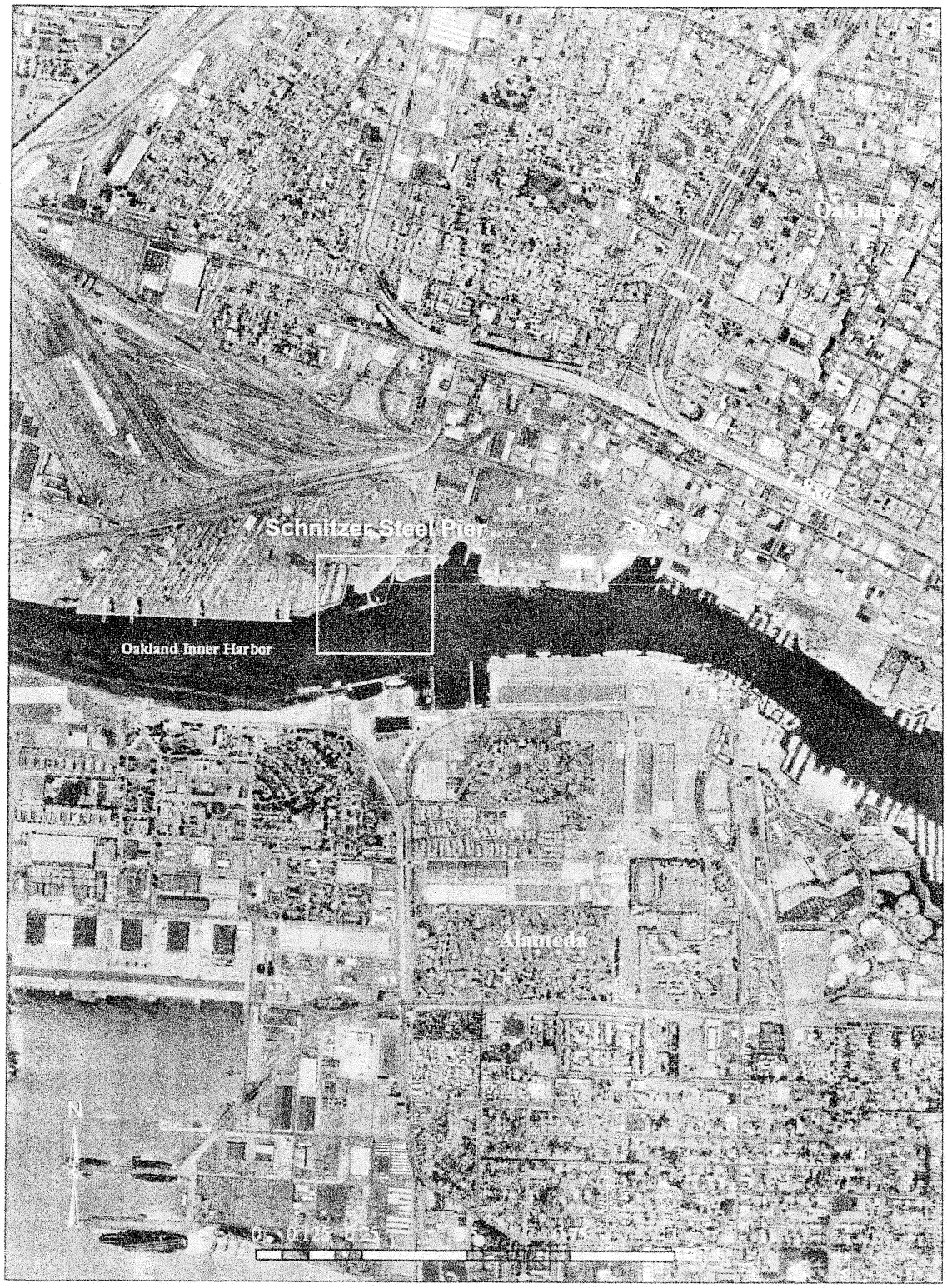
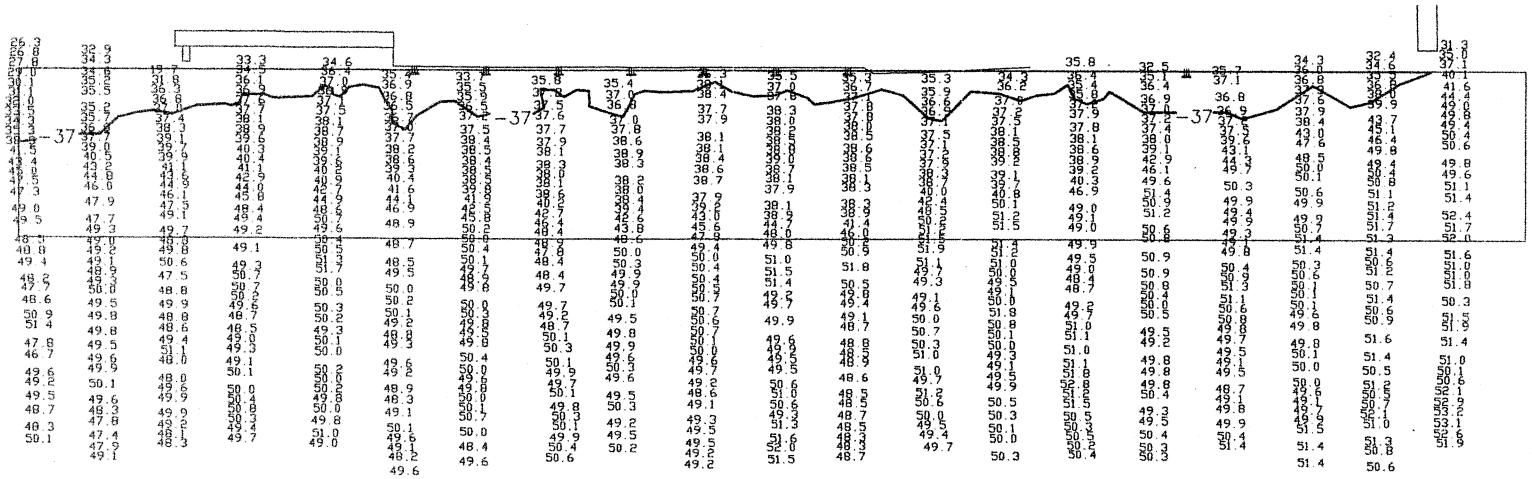


Figure 2. Location Map Schnitzer Steel Pier

File No.: 2010-00246S	Schnitzer Steel Products Company Inc.
Dredging at pier berth	Oakland, Alameda County, CA
30 November 2010	Sheet 2 of 3

File No.: 2010-00246S	**Schnitzer Steel Products Company Inc.**
Dredging at pier berth	**Oakland, Alameda County, CA**
30 November 2010	**Sheet 3 of 3**



Dredging Permit Boundary

NOTES:

1. BENCHMARK: POINT "HANNAH": 2116714.98, 6047029.46 (1999 VALUE) ('83 COORDINATES)., EL =13.60' MLLW.
2. BATHYMETRIC DATA SHOWN REPRESENTS WATER DEPTHS AT A 0.0 TIDE; ALL ELEVATIONS SHOWN ARE NEGATIVE, UNLESS NOTED OTHERWISE.
3. SOUNDINGS TAKEN BY FATHOMETER ARE SHOWN TO THE NEAREST TENTHS OF A FOOT.
4. COORDINATE VALUES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE III, NAD '83.
5. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS RESULTS OF A HYDROGRAPHIC SURVEY MADE ON 03-04-2010, AND INDICATES THE CONDITIONS AS OF THAT DATE.
6. SOUNDINGS WERE TAKEN USING AN ODOM HYDROTRAC ECHO-SOUNDER; HORIZONTAL LOCATION AND TIDES BY LEICA RTK GPS; SOFTWARE UTILIZED IS COASTAL OCEANOGRAPHICS 'HYPACK'.
7. BACKGROUND IMAGE IS DATED 1995, FROM A FULL SET PROVIDED FOR THE CITY OF OAKLAND; IMAGE IS ORTHO-RECTIFIED.

Site Volume Table: Unadjusted

Site	Stratum	Surf1	Surf2	Cut cu.yds	Fill cu.yds	Net cu.yds	Method
07054							
	ogto-37	og	-37	740	14858	14118 (F)	Composite
	ogto-39	og	-39	2946	9149	6203 (F)	Grid

Figure 3. Dredging Boundary and Bathymetry for Schnitzer Steel Berth

BATHYMETRIC SURVEY
OF SCHNITZER STEEL
MARCH 4, 2010
OAKLAND CALIFORNIA

PLS Surveys, Inc.
LAND & HYDROGRAPHIC SURVEYORS
2220 Livingston Street, Suite 212
Oakland, California 94606-5203
510.261.0800 FAX 510.261.3303
e-mail: plssurv@pacbell.net

DATE	03/09/2010
SCALE	1" = 80'
DESIGNER	JAB
JOB NO.	07-054
SHEET	1
OF 02	SHEETS