

SURVEY REFERENCE

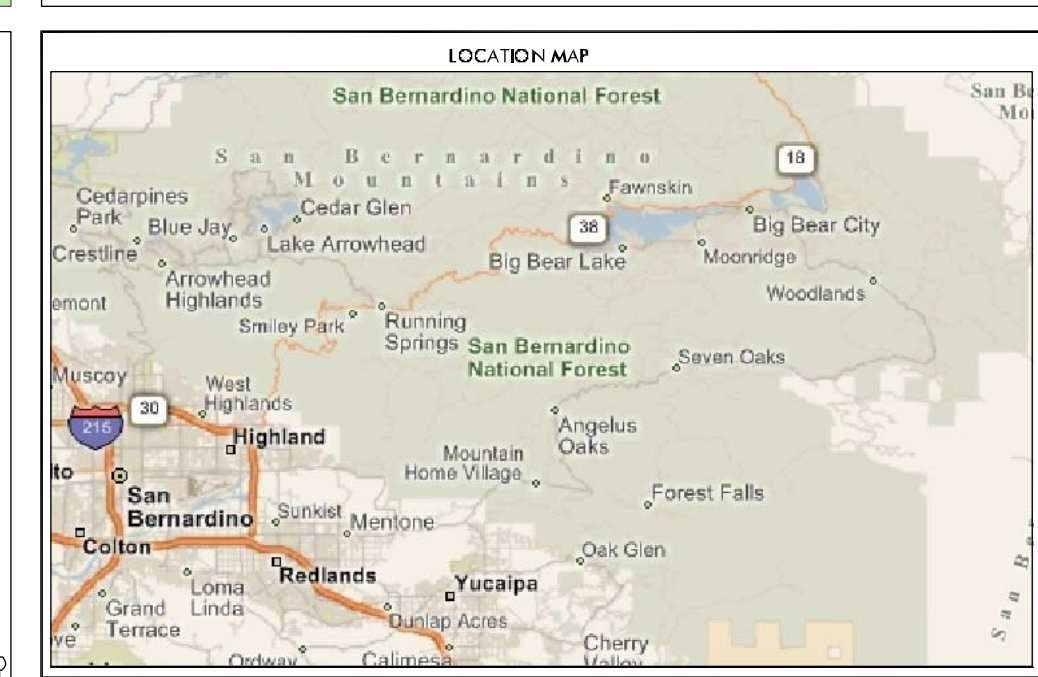
GEODETIC DATA
 Datum : North American Datum 1983 (NAD83)
 Spheroid : Geoid Reference System 1985 (GRS85)
 Projection : California Zone 5 - 0405
 First Parallel : N 34 32.0000
 Second Parallel : N 35 28.0000
 Origin : Lot 163 30.0000 Lon W 118 00.0000
 False Easting : 654166.667 US Survey Feet
 False Northing : 1640416.667 US Survey Feet

VERTICAL & HORIZONTAL CONTROL
 Vertical Datum : NVD 1929
 Vertical Control : NGS 0535 (BM 6751) 34 15 34.0 N 116 52 22.0 W NAD83
 Horizontal Control : NAD83 4754.8 N 116 02 09.4 W NAD83
 Horizontal Control : FFS Station "BBDA" 34 14 38.5069 N 116 52 22.3860 W NAD83
 Horizontal Control : E 6885500.0 N 1910346.5 SPC NAD83 ZONE 5 US SURVEY FEET

THIS IS A CAD PRODUCED DRAWING AND MUST NOT BE CHANGED MANUALLY

Date	By	Checked	Approved	Description
01-28-2008	mm	sl	sl	PRELIMINARY - 1
01-29-2008	mm	sl	sl	PRELIMINARY - 2
2-26-2008	mm	sl	sl	FINAL

- NOTES**
- Lake Bathymetric Data Acquisition using a Vessel Based RESON Seabat 8101 Multibeam Sounder
 - Lake Level Reference obtained from Big Bear Municipal Water District (BBMWD)
 (Minimum Lake Level = 72.33 ft / Maximum Lake Elevation = 8743.25 feet)
 - Depth numerals above 10 feet and Stafield Marks provided by the USACE (2004 Aerial Topography)



MULTIBEAM HYDROGRAPHIC SURVEY
BIG BEAR LAKE, CALIFORNIA

CHART 1 OF 2

BBMWD
 BIG BEAR MUNICIPAL WATER DISTRICT

Fugro Palacios Inc.
 3710 North Ridge
 San Diego, CA 92123
 USA

Fugro Proj No. : P4295-001
 Survey Dates : April 18-24, 2008
 Survey Vessel : M/V Locstar

Client Ref No. :
 Fugro Ref No. : FPR295-001-88-001-NEL-7200
 Sheet No. : 1 OF 2

LAKE VOLUMES

ELEVATION (ft)	LAKE LEVEL (ft)	STORAGE (cu ft)	STORAGE (acre-ft)
6742.25	72.33	171,530,202.4	75,327.1
6742.0	72.1	170,906,454.4	75,079.3
6741.5	69.1	167,760,347.3	74,193.1
6741.0	67.1	167,760,347.3	69,819.9
6740.5	65.1	166,330,383.3	66,162.2
6740.0	63.1	163,360,814.4	62,847.4
6739.5	61.1	161,877,811.1	60,327.7
6739.0	59.1	160,927,284.4	59,185.1
6738.5	57.1	160,567,447.8	58,884.4
6738.0	55.1	160,088,324.4	58,475.3
6737.5	53.1	159,332,322.2	57,856.6
6737.0	51.1	158,277,663.3	57,263.3
6736.5	49.1	157,862,844.4	56,740.0
6736.0	47.1	157,600,213.3	56,360.0
6735.5	45.1	157,337,134.4	56,000.0
6735.0	43.1	156,868,467.8	55,713.3
6734.5	41.1	156,114,014.4	55,450.0
6734.0	39.1	155,049,744.4	55,200.0
6733.5	37.1	153,887,817.8	54,950.0
6733.0	35.1	152,418,442.2	54,700.0
6732.5	33.1	150,880,411.1	54,450.0
6732.0	31.1	149,249,449.4	54,200.0
6731.5	29.1	147,569,444.4	53,950.0
6731.0	27.1	145,889,444.4	53,700.0
6730.5	25.1	144,169,444.4	53,450.0
6730.0	23.1	142,449,444.4	53,200.0
6729.5	21.1	140,729,444.4	52,950.0
6729.0	19.1	139,009,444.4	52,700.0
6728.5	17.1	137,289,444.4	52,450.0
6728.0	15.1	135,569,444.4	52,200.0
6727.5	13.1	133,849,444.4	51,950.0
6727.0	11.1	132,129,444.4	51,700.0
6726.5	9.1	130,409,444.4	51,450.0
6726.0	7.1	128,689,444.4	51,200.0
6725.5	5.1	126,969,444.4	50,950.0

