

**BALLONA WETLANDS ECOLOGICAL RESERVE
AREAS “A”, “B” AND “C”
VERTICAL DATUM CONVERSION**

Project: Ballona Wetlands Ecological Reserve
Project Location: Approximate center of the project: LAT: N33.9682269° and LON:
W118.4389525°
Project Manager: John Chiappe, PLS
Project Surveyor: Sergei Bulloff, PLS
Date: October 17, 2012

INTRODUCTION

The following project report describes local correction factors to convert elevation values from the official vertical datum used by the different agencies to the vertical datum utilized for the development of the Survey Control Network across Areas “A”, “B” and “C” of the Ballona Wetlands Ecological Reserve.

PROJECT VERTICAL DATUM

Vertical values shown hereon are based upon North American Vertical Datum of 1988 (NAVD88) using US National Geodetic Survey (NGS) Benchmarks AE1735, DY1295, DY2444, and DY1289. For the full description of the vertical datum for this project see the “Project Control Report” by S. Bulloff and J. Chiappe dated September 21, 2012.

LOCAL CORRECTION FACTORS

To convert from City of Los Angeles, National Geodetic Vertical Datum of 1929 (NGVD 29), 1985 adjustment, to the Project Vertical Datum, add 2.41 feet to the elevation value. This correction factor is based upon the difference of the published elevations calculated at a single project benchmark having NGS PID No. DY1289 and City of Los Angeles Benchmark No. 17-02070.

To convert from City of Los Angeles, NAVD 88, 2000 adjustment, to the Project Vertical Datum, add 0.00 feet to the elevation value. This correction factor is based upon the difference of published elevations calculated at a single project benchmark having NGS PID No. DY1296 and City of Los Angeles Benchmark No. 17-15078.

To convert from County of Los Angeles, NAVD 88, 2005 adjustment, to the Project Vertical Datum, subtract 0.06 feet from the elevation value. This correction factor is based upon the difference of published elevations calculated at a single project benchmark having NGS PID No. DY1295 and County of Los Angeles Benchmark No. Y10923 (Hawthorne – Torrance Quad).

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