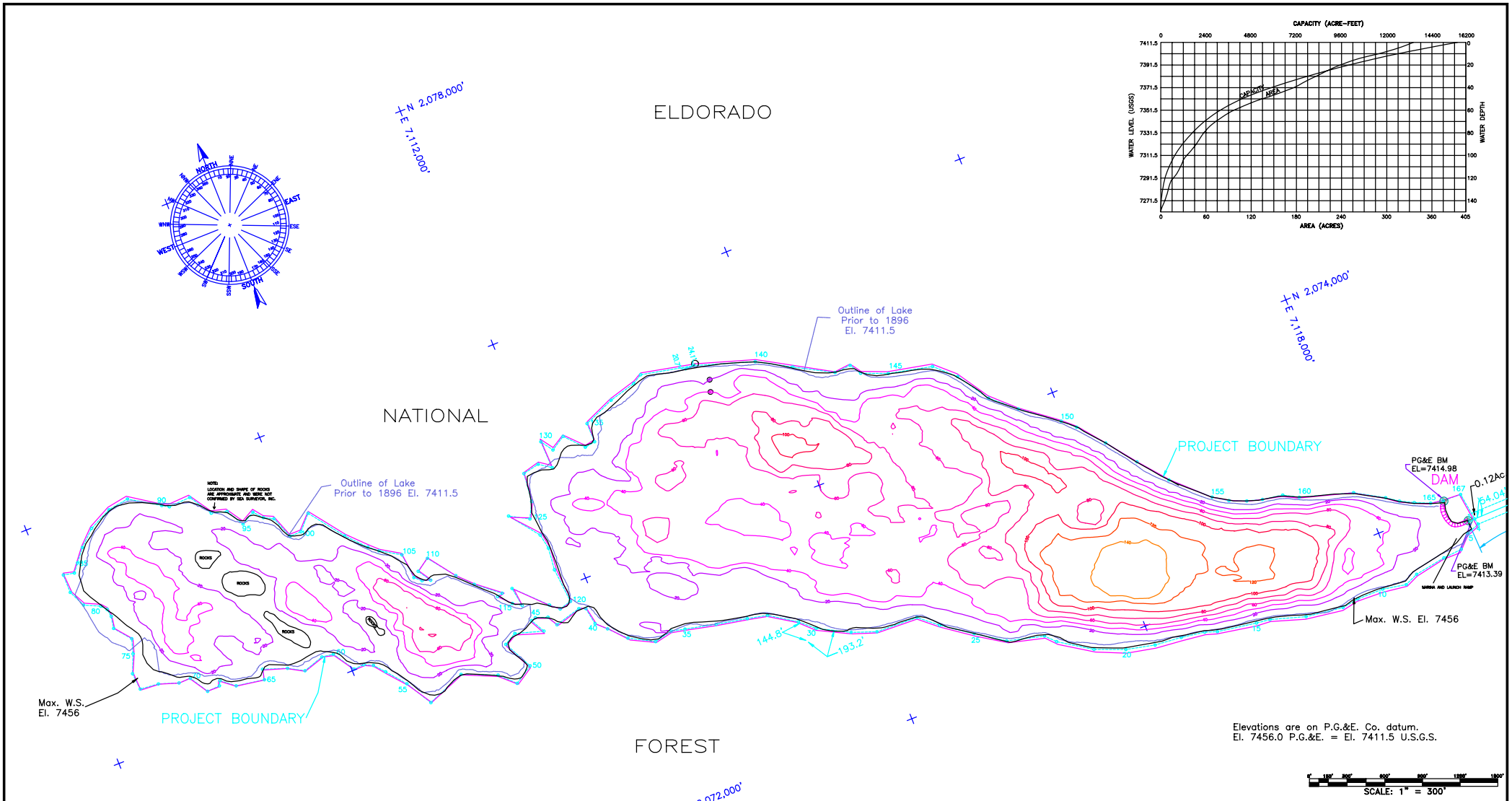





NOTES:

Bathymetric data is from a survey conducted by Sea Surveyor, Inc. on 10-11 August 1999 and represents the lake bottom conditions present on those dates.

The hydrographic survey was conducted using Class 1 hydrographic survey methods and accuracies outlined in the Corps of Engineers' HYDROGRAPHIC SURVEYING MANUAL (EM 1110-2-1003, October 1994). The survey was performed using a 26' survey boat, an OMNISTAR LR-8 differential GPS navigation system, and an INNERSPACE Model 448 survey-grade fathometer.

Horizontal datum is based on the California State Plane Coordinate System, zone 2 (NAD 1983).

Water depths are in feet below the Echo Lake maximum water surface elevation (EL. =7,411.5' USGS). The water level at the time of the survey was 7,411.5' USGS.

The shoreline features shown on this chart are from a digital topographic map provided by the Carlton Engineers.

Contours are generated at 20 foot depth intervals.

# ECHO LAKE

## HYDROGRAPHIC SURVEY, JULY 1999
## RESERVOIR DEPTHS


CARLTON ENGINEERING, INC.

3932 PONDEROSA ROAD, SUITE 200
SHINGLE SPRINGS, CA 95682
(530) 677-5515


SURVEY PERFORMED BY:
Sea Surveyor, Inc.
Professional Underwater Surveying
Danville, California 94526
(707) 762-1888

SCALE: 1" = 300'

DRAWING NO. 1 of 2

REV. 1