Avista Corporation
Lake Spokane Bathymetric Survey
Spokane River
Sheet 4 of 11

Data Collected: June - July, 2009
Drawing Date: May 2011

THIS HYDROGRAPHIC SURVEY WAS COMPLETED BY AN AMERICAN CONGRESS ON SURVEYING AND MAPPING CERTIFIED HYDROGRAPHER.

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JAMES W. GLAESER                                        DATE
AMERICAN CONGRESS ON SURVEYING AND MAPPING
CERTIFIED HYDROGRAPHER #222

LEGEND:
- INDICATES 1538 FT. SHORELINE CONTOUR
- INDICATES 1533.15 FT. CONTOUR

NOTES:
1. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983/91, STATE PLANE COORDINATES, WASHINGTON NORTH ZONE.
2. UNITS: U.S SURVEY FEET
4. CONTOUR INTERVAL: 2 FOOT.
5. ALL HORIZONTAL POSITIONING AND VESSEL ATTITUDE WAS PROVIDED IN REAL TIME USING A CODA OCTOPUS F-185+ GPS AIDED INERTIAL SENSOR.
6. SOUNDINGS WERE COLLECTED USING A KONGSBERG EM3002 MULTIBEAM SONAR WITH A 300 kHZ, 130-DEGREE SWATH AND A KNUDSEN 320M SINGLEBEAM SONAR. DATA PROCESSING WAS COMPLETED USING HYPACK HYWEEP SOFTWARE.
9. AVERAGE WATER SURFACE ELEVATION AT TIME OF SURVEY: 1538.0' (NAVD88). PLEASE NOTE THIS CORRELATES WITH AN ELEVATION OF 1535.85' IN THE WASHINGTON WATER POWER (WWP) VERTICAL DATUM. IN ADDITION, 1533.15' NAVD88 (DASHED MAGENTA LINE) CORRELATES TO 1531' IN THE WWP VERICAL DATUM.
10. ALL UPLAND LIDAR DATA DISPLAYED WAS PROVIDED BY AVISTA CORPORATION. LIDAR FLOWN SEPTEMBER 11-16, 2009, DURING WHICH THE AVERAGE WATER SURFACE ELEVATION WAS 1538 FT. (NAVD88)

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