



**PROVISIONAL TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** August 13, 2018

**HYDROGRAPHIC BRANCH:** Pacific

**HYDROGRAPHIC PROJECT:** OPR-O375-RA-2018

**HYDROGRAPHIC SHEET:** H13009

**LOCALITY:** Lisianski Inlet Northwest  
Southeast Alaska

**TIME PERIOD:** June 14 - July 04, 2018

**TIDE STATION USED:** Ketchikan, AK (9450460)

Lat. 55° 19.9' N Long. 131° 37.6' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 4.433 meters

**TIDE STATION USED:** Port Alexander, AK (9451054)

Lat. 56° 14.8' N Long. 134° 38.8' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.070 meters

**TIDE STATION USED:** Sitka, AK (9451600)

Lat. 57° 3.1' N Long. 135° 20.5' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 2.791 meters

**TIDE STATION USED:** Juneau, AK (9452210)

Lat. 58° 17.9' N Long. 134° 24.7' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 4.676 meters

**TIDE STATION USED:** Skagway, AK (9452400)

Lat. 59° 27.0' N Long. 135° 19.6' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 4.795 meters

**TIDE STATION USED:** Elfin Cove, AK (9452634)

Lat. 58° 11.7' N Long. 136° 20.8' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.088 meters



**REMARKS: RECOMMENDED Grid**

Please use the TCARI grid "O190\_O360\_O375\_O392\_FA2018.tc" as the final grid for project OPR-0375-RA-2018, H13009, during the time period between June 26 and July 04, 2018.

**Refer to attachments for grid information.**

**Note 1:** Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

**Note 2:** Annual leveling for Ketchikan (9450460), Port Alexander (9451054), Sitka (9451600), Juneau (9452210) and Elfin Cove (9452634) was not completed in FY18. A review of the verified leveling records from October 2007 - 2017 shows the tide station benchmark networks to be stable within an allowable 0.009 m tolerance. This Tide Note may be used as final stability verification for survey OPR-0375-RA-2018, H13009. CO-OPS will immediately provide a revised Tide Note should subsequent leveling records indicate any benchmark network stability movement beyond the allowable 0.009 m tolerance.

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CHIEF, PRODUCTS AND SERVICES BRANCH