



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences

TIDE NOTE FOR HYDROGRAPHIC SURVEY

ORIGINAL

DATE: May 14, 1993

MARINE CENTER: Pacific

OPR: P319-RA

HYDROGRAPHIC SHEET: H-10433 (amended)

LOCALITY: Beluga Shoal, Cook Inlet, Alaska

TIME PERIOD: June 16 - August 2, 1992

TIDE STATION USED: 945-5912 Fire Island, Alaska
Lat. $61^{\circ} 10.4'N$ Lon. $150^{\circ} 12.3'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 2.32 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 26.0 ft.

TIDE STATION USED: 945-5920 Anchorage, Alaska
Lat. $61^{\circ} 14.3'N$ Lon. $149^{\circ} 53.3'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 6.41 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 28.3 ft.

REMARKS: RECOMMENDED ZONING

A. Use the following corrections applied to Fire Island (945-5912), when data are available:

1. In Cook Inlet, east of $150^{\circ} 20.0'W$ and west of $150^{\circ} 15.0'W$, apply a -5 minute time correction and a x0.99 range ratio.
2. In Cook Inlet, east of $150^{\circ} 25.0'W$ and west of $150^{\circ} 20.0'W$, apply a -10 minute time correction and a x0.97 range ratio.
3. In Cook Inlet, east of $150^{\circ} 30.0'W$ and west of $150^{\circ} 25.0'W$, apply a -15 minute time correction and a x0.95 range ratio.
4. In Cook Inlet, east of $150^{\circ} 35.0'W$ and west of $150^{\circ} 30.0'W$, apply a -20 minute time correction and a x0.92 range ratio.



5. In Cook Inlet, east of $150^{\circ} 40.0'W$ and west of $150^{\circ} 35.0'W$, apply a -25 minute time correction and a x0.90 range ratio.
6. In Cook Inlet, east of $150^{\circ} 45.0'W$ and west of $150^{\circ} 40.0'W$, apply a -30 minute time correction and a x0.88 range ratio.

B. When data for Fire Island are not available, use the following corrections applied to Anchorage (945-5920):

1. In Cook Inlet, east of $150^{\circ} 20.0'W$ and west of $150^{\circ} 15.0'W$, apply a -30 minute time correction and a x0.90 range ratio.
2. In Cook Inlet, east of $150^{\circ} 25.0'W$ and west of $150^{\circ} 20.0'W$, apply a -35 minute time correction and a x0.88 range ratio.
3. In Cook Inlet, east of $150^{\circ} 30.0'W$ and west of $150^{\circ} 25.0'W$, apply a -40 minute time correction and a x0.87 range ratio.
4. In Cook Inlet, east of $150^{\circ} 35.0'W$ and west of $150^{\circ} 30.0'W$, apply a -45 minute time correction and a x0.85 range ratio.
5. In Cook Inlet, east of $150^{\circ} 40.0'W$ and west of $150^{\circ} 35.0'W$, apply a -50 minute time correction and a x0.83 range ratio.
6. In Cook Inlet, east of $150^{\circ} 45.0'W$ and west of $150^{\circ} 40.0'W$, apply a -55 minute time correction and a x0.81 range ratio.

Notes:

Hourly heights for Fire Island (945-5912) are tabulated in Greenwich Mean Time.

Hourly heights for Anchorage (945-5920) are tabulated in Alaskan Standard Time.


CHIEF, DATUMS SECTION