DATE: 1/4/85

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Pacific

OPR: 0168

Hydrographic Sheet: H-10163

Locality: Claude Pt. to Pt. Whaley, Alaska
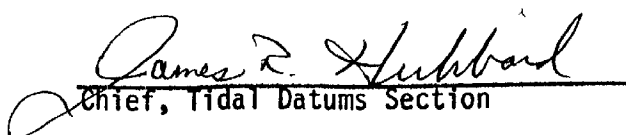
Time Period: October 10-16, 1984

Tide Station Used: 945 0879

Plane of Reference (Mean Lower Low Water): 11.84 ft.

Height of Mean High Water Above Plane of Reference: 15.0 ft.

Remarks: Recommended Zoning:

Zone Direct

James R. Hubbard
Chief, Tidal Datums Section

Field tide reduction of soundings was based on predicted
tides from Ketchikan, Alaska (945-0460). Corrections were
obtained from Preliminary Tidal Zoning OPR-0168-RA-84. The
predicted tides were derived using program AM500.

Two Bristol Bubbler tide gages were installed at two
locations in the project area. Location and period of
operation are as follows:

SITE	LOCATION	PERIOD
Convenient Cove	55/52.1 N 131/41.3 W	Sept.4 – Oct.17, 1984
Fitzgibbon Cove	55/59.0 N 131/10.5 W	Sept.5 – Oct.17, 1984

CONVENIENT COVE

Gage (S/N 63A2921) was installed and began operation
September 4, 1984. The staff was also installed and leveled
September 4. Excellent records were obtained with no
interuptions. The marigram reads 6.0 ft greater than the
staff.

FITZGIBBON COVE

Gage (S/N 736620) was installed and began operation Sept.
5, 1984. The staff was also installed and leveled Sept. 5.
Good records were obtained with the exception of a loss of 5
days from 1330 October 6 to 1800 October 11 when the
marigram paper jammed. The ship was unable to check the
gage during this period because of an extended in-port due
to weather. No hydro was run during this period. The
marigram reads 6.9 ft less than the staff.

LEVELS

The reference station at Ketchikan was leveled September 10,
1984. Final levels were run October 19, 1984. Initial and
final levels compared very well.

Final levels on the subordinate stations showed no
signifigant movement of the tidal staffs.