

2003 FIELD and FINAL TIDE NOTE

Hydrographic Sheet: H11240

Sheet I

Polk Inlet

Kasaan Bay, Alaska

NOAA Project No:	OPR-0331-KR-2003 Kasaan Bay, Alaska				
NOAA Contract No:	50-DGNC-0-90003				
The NOS Ketchikan, AK tide station (945-0460) served as control for the subordinate stations on this project. Datum determinations were made for the tertiary subordinate stations: Saltery Cove (945-0495) and Hollis Anchorage (945-0544). The NTDE 1983-2001 was utilized.					
Location and Time Meridian	Name:	Lat (NAD83)	Long(NAD83)	Time Meridian:	
	Saltery Cove	55° 24' 07"	132° 19' 53"	0° (UTC)	
	Hollis Anchorage	55° 28' 45"	132° 38' 30"	0° (UTC)	
Time Period and Datum Reference	Name:	Established:	Removed:	MLLW	MHW
	Saltery Cove	7/17/2003	9/3/2003	0.000 m	4.472 m
	Hollis Anchorage	8/12/2003	9/1/2003	0.000 m	4.584 m
Tide Observer	Terra Surveys, LLC 1930 South Whiting Circle Palmer, Alaska 99645 (907) 745-7215				
Gauges	Design Analysis Ass. H350XL/355 bubbler systems.				
Install Type	Each gauge was secured inside a waterproof case, and fastened vertically inside of an enclosed Rubbermaid garden toolshed. Refer to the tide station package for additional site specific details of installation.				
Tide Staff	No tide staff was installed. Levelling was performed from a tidal bench mark to the water surface. The water height was read using a metric rod with a stilling well attached to remove interference from waves.				
Bench Marks	The following bench marks were installed at these sites: Saltery Cove: none Hollis Anchorage: none The following bench marks were recovered at these sites: Saltery Cove: BM 2 1921, BM 3 1921, BM 4 1958, BM 5 1958, BM 6 1959 Hollis Anchorage: BM 1 1924, BM 2 1924, BM 3 1924, BM 4 1953, BM 5 1960				
Levels	Bench marks were levelled at the installation and removal of the tidal stations. The bench marks and station datums were connected through frequent water level measurements. The level runs closed within NOS tolerance.				
Final Tidal Zoning	This sheet is covered by zone SA100 and SA38.				
Reduction of Hydrographic Data	Six minute tide data reduced to MLLW and smoothed with a 5th order 5 hour polynomial curve fit and was provided to Terra Surveys, LLC (prime contractor) by John Oswald and Associates (JOA) throughout the field season. In October of 2003, JOA finalized datums and forwarded all data necessary to reduce hydrographic soundings to the prime contractor.				