

Predicted Tidal Correctors:

For the 1999 field season the Oceanographic Products and Services Division, User Services Branch (N/CS41), supplied no predicted tides for OPR-O340. Preliminary predicted tide tables were generated for both HPS and CARIS using Tides & Currents v2.5. The HPS tide table (HPS #13) was used only for preliminary inspection of the VBES soundings. CARIS tide table juneau99new.tid was used throughout the entire CARIS processing pipeline.

Once data acquisition was complete and all sounding data consolidated in HPS, OPSD preliminary tides for

OPR-O340

FOO451

RA-10-10-99

* FILED WITH HYDROGRAPHIC DATA .

Juneau (945-2210) were downloaded from the Internet and used to create HPS table #1. The MapInfo tidal zoning table supplied by OPSD was then imported into HPS using the MapBasic application HPT_UTIL.MBX and HP Tools. Finally, tide zone correctors were computed and applied to all soundings in HPS (SWMB & VBES) to produce a final product.

HPS listings of the data used in generating tide corrector tables are included in Appendix V of this report. Tidal correctors as provided in the project instructions for FOO451 are provided in the Survey Information Summary included with this report. **TIDE CORRECTORS NOT LISTED IN SURVEY INFORMATION SUMMARY.**

Juneau, Alaska (945-2210), Sitka, Alaska (945-1600), and Skagway, Alaska (945-2400) are the primary control stations for datum determination. RAINIER personnel installed a Sutron 8200 tide gage at Excursion Inlet (945-2437) on May 7, 1999, and the gage was removed on June 8, 1999. Refer to the Field Tide Notes and supporting data in Appendix V for individual gage performance and level closure information. This information has been forwarded to N/CS41 in accordance with HSG 50 and FPM 4.8. A request for approved tides was forwarded to N/CS41 in accordance with FPM 4.8. ✓