

Final Zoning for OPR A329-RU-98

Approaches to Portland Harbor and Hussey Sound, ME - Sheet F00445

8418150 PORTLAND

ME210
Time Corrector -18 mins
Range Corrector x0.95
Reference 8418150

F00445



G.3 Tide zoning for this survey is consistent with the Project Instructions. Tide zone ME210 correctors were developed by applying a time correction of -18 minute time and a x0.95 range ratio to the unverified tides at Portland, Maine (Station 841-8150). Unverified tidal data was downloaded from the NOS OPSD web site (www.opsd.nos.noaa.gov) and were computed in CARIS-HIPS and HPS for re-application to SeaBat and DSF data.

* Data filed with original field records

- G.4 The diver least depth gage was not used for this survey.
- G.5 No significant systematic errors were detected.
- G.6a The vertical reference surface for this survey is Mean Lower Low Water (MLLW).
- G.6b Tide data were acquired at Portland, Maine (Station 841-8150) by N/OES231. Verified tides were unavailable during field processing. A request for verified tides was mailed on October 22, 1998. These data will replace the verified tide data during verification by N/CS33.
Approved tides & zoning applied during office processing
- G.6c Note that multibeam data processing was accomplished using predicted tide values during acquisition and preliminary unverified tide values during post processing. Shoal soundings selected through CARIS could change upon the re-application of verified smooth tides. Small differences between preliminary unverified and verified tides may require reapplication of verified tides to the entire CARIS-HIPS data set to ensure correct selection of least depths for transfer to HPS.
- G.6d **In HPS, only tide reapplication processing is permissible on multibeam data. If necessary, all other vertical correctors and horizontal offsets should be reapplied to multibeam data using CARIS software. However, if tide reapplication is necessary, it should be done to the entire CARIS multibeam data set to ensure the correct least depths are identified for transfer to HPS.**