

APPENDIX IV. TIDES AND WATER LEVELS

The on-line times for acquisition of valid hydrographic data are presented in Table Appendix IV-1 Abstract of Times of Hydrography, H11874.

Project: OPR-D302-SA-08

Registry No.: H11874

Contractor Name: Science Applications International Corporation

Date: 18 December 2008

Sheet Letter: J

Inclusive Dates: 10 August 2008 – 18 December 2008

Field work is complete.

Table Appendix IV-1. Abstract Times of Hydrography, H11874

Begin Date	Begin Julian Day	Begin Time	End Date	End Julian Day	End Time
8/10/2008	223	16:57:57	8/26/2008	239	08:07:23
8/29/2008	242	17:17:01	9/03/2008	247	15:30:33
9/07/2008	251	22:11:25	9/09/2008	253	06:28:03
9/11/2008	255	17:35:01	9/16/2008	260	05:14:44
9/29/2008	273	12:21:53	9/30/2008	274	04:03:50
12/18/2008	353	14:42:24	12/18/2008	353	18:18:17

Final Tide Note

Observed verified water levels were downloaded from the <http://tidesandcurrents.noaa.gov/> web site for Duck, NC (865-1370). Water Level correctors were prepared for each zone using the **SABER/Tools/Create Water Level Files** software. **SABER/Apply Correctors/Tides** software applied these files to the multibeam data according to the zone containing the nadir beam of each ping.

Analysis of the H11874 multibeam data in the **SABER Multi-View Editor** and in depth grids revealed minimal depth jumps across the junction of zones based on Duck, NC (865-1370). A spreadsheet analysis also confirmed the adequacy of zoning correctors based on Duck, NC (865-1370), results can be found in the Data Acquisition and Processing Report (09-TR-034) delivered on 30 October 2009. The water level zoning correctors based entirely on Duck, NC (865-1370) was applied to all multibeam data for H11874.