

Vertical Control

All soundings were reduced to MLLW initially using unverified tidal data from the Cape Hinchinbrook (for Quicksilver data) and Wooded Island (for Davidson data). The gauge was operated and maintained by the sub-contractor, LCMF.

Table 2 Tide Gauges

Gauge	Model	Gauge Type	Location	Latitude	Longitude	Operational
9454562	H350/355	Digital Bubbler	Wooded Is.	59°52'30"N	147°24'09" W	07/30/03–10/08/03
9454329	H350/355	Digital Bubbler	Hinchinbrook	60°14'18"N	146°38'54" W	06/10/03–06/12/03

On November 17, 2003, LCMF issued verified tidal data and final zoning for OPR-P356-KR-03. The tidal zoning was modified by LCMF, providing only fine adjustments from those issued in the Statement of Work. On November 17, 2003 all sounding data were re-merged using CARIS HIPS tide routine. Verified tidal data was used for the Preliminary Smooth Sheet. Refer to the Vertical and Horizontal Control Report for additional tidal information and station descriptions.

Appendix D - Tides and Water Levels

Abstract of Times of Hydrography For Smooth Tides

Project Number: OPR-P356-KR-03

Registry Number: H11200

Contractor Name: Fugro Pelagos, Inc.

Date: January 16, 2004

Sheet Letter: A

Inclusive Dates: June 10, 2003 to June 13, 2003 & August 8, 2003 to August 23, 2003

Fieldwork is complete and verified tides were applied for the production of the smooth sheet.

Refer to LCMF's final verified tides report for additional information.

Table 3 Abstract of Times of Hydrography for R/V Davidson

YEAR	DAY	START TIME (UTC)	END TIME (UTC)	COMMENTS
2003	220	00:12:29	23:59:59	
2003	221	00:00:00	00:15:16	
2003	221	00:23:04	23:50:02	
2003	222	00:06:14	23:59:59	
2003	223	00:00:00	00:15:23	
2003	223	00:21:54	00:42:59	
2003	232	22:20:43	23:49:20	In-Fills and Tielines
2003	234	18:04:52	23:55:37	In-Fills and Tielines
2003	234	00:30:14	02:05:59	In-Fills and Tielines

Table 4 Abstract of Times of Hydrography for R/V Quicksilver

YEAR	DAY	START TIME (UTC)	END TIME (UTC)	COMMENTS
2003	161	17:19:16	23:59:59	
2003	162	00:00:00	00:05:58	
2003	162	00:11:48	23:59:59	
2003	163	00:00:00	00:09:02	
2003	163	00:14:32	02:20:40	