

CHAPTER III

SECTION 3 TABLES

Table III-3-1

Monthly Scheduled Removal Volume

Month Period	In Situ Volume of Dredged Material Targeted for Removal (CY)
May	11,500
June	42,400
July	78,650
August	112,550
Total - All Periods	245,100

(Parsons and Anchor QEA, 2009).

Table III-3-2**Phase 1 Volumes Dredged by Certification Unit**

Certification Unit Number	Area (Acres)	Location	Design Volume (CY)**	Actual Volume (CY)***	Percent of Design Volume
1	3.39	East Channel, Rogers Island	13,000	48,900	376
2	5.06	East Channel, Rogers Island	14,500	28,700	198
3	4.87	East Channel, Rogers Island	26,700	43,100	161
4	4.51	East Channel, Rogers Island	18,300	33,000	180
5	4.77	West Channel, Rogers Island	9500	16,700	176
6	4.94	West Channel, Rogers Island	9100	12,200	134
7	4.71	West Channel, Rogers Island	15,500	23,500	152
8	4.91	West Channel, Rogers Island	14,200	23,300	164
9	4.99	West Channel, Rogers Island	12,700	3600	0.3*
10	4.86	West Channel, Rogers Island	10,900	0	Not dredged

Table III-3-2 Cont'd

Phase 1 Volumes Dredged by Certification Unit

Certification Unit Number	Area (Acres)	Location	Design Volume (CY)**	Actual Volume (CY)***	Percent of Design Volume
11	4.93	West Channel, Rogers Island	11,300	0	Not dredged
12	4.95	Main Channel	14,800	1500	0.1*
13	4.86	Main Channel	12,500	0	Not dredged
14	5.00	Main Channel	19,500	0	Not dredged
15	4.87	Main Channel	20,200	0	Not dredged
16	5.5	Main Channel	12,300	0	Not dredged
17	4.99	East Griffin Island	11,300	15,600	138.94
18	6.1	Griffin Island	18,200	23,500	129.12
Totals	88.21		264,500	273,600	

* Dredging was not completed in these areas

** Design volumes are based on 2005 bathymetry. These volumes have not been adjusted for erosion and sedimentation that occurred between 2005 and the start of dredging in May 2009 or for changes in design offsets from rip-rapped shores, bridge piers, etc. that were made subsequent to that report.

*** Actual volumes are based on a comparison of 2009 pre-dredging bathymetry to post-dredging bathymetry and differ slightly from GE's estimate.

Table III-3-3

Required and Target Dredging Volumes for Phase 2, by Year*

Dredging Season	Required Volume* (C.Y.)	Target Volume (C.Y.)	Required Cumulative Volume (C.Y.)	Target Cumulative Volume (C.Y.)
Phase 2, Year 1	475,300	528,100	475,300	528,100
Phase 2, Year 2	475,300	528,100	950,600	1,056,200
Phase 2, Year 3	475,300	528,100	1,425,900	1,584,300
Phase 2, Year 4	475,300	528,100	1,901,200	2,112,400
Phase 2, Year 5	475,300	264,100	2,376,500	2,376,500

*Assumes that total volume to be dredged in Phases 1 and 2 will be 2,650,000 CY

Table III-3-4**Summary of Dredge Production Hours Lost Due to Various Causes**

Week	Shortage of Empty Scows	High River Flows	Inclement Weather	Resuspension Issues	Dredging Thin Layer over Clay	Total
5/6/09 to 5/9/09	0	0	0	0	0	0
5/10/09 to 5/16/09	0	19	0	0	0	19
5/17/09 to 5/23/09	0	354	0	0	0	354
5/24/09 to 5/30/09	0	234	0	0	0	234
5/31/09 to 6/6/09	29	49	0	0	0	78
6/7/09 to 6/13/09	156	34	0	0	0	190
6/14/09 to 6/20/09	83	118	0	0	0	201
6/21/09 to 6/27/09	184	194	0	0	0	378
6/28/09 to 7/4/09	175	72	0	0	0	247
7/5/09 to 7/11/09	190	0	29	0	0	219
7/12/09 to 7/18/09	489	0	4	0	0	493
7/19/09 to 7/25/09	322	0	0	0	0	322
7/26/09 to 8/01/09	399	0	32	0	0	431

Table III-3-4 Cont'd

Summary of Dredge Production Hours Lost Due to Various Causes

Week	Shortage of Empty Scows	High River Flows	Inclement Weather	Resuspension Issues	Dredging Thin Layer over Clay	Total
8/2/09 to 8/8/09	302	0	183	343	0	828
8/9/09 to 8/15/09	0	0	10	576	0	586
8/16/09 to 8/22/09	614	0	22	0	0	636
8/23/09 to 8/29/09	476	0	0	0	0	476
8/30/09 to 9/5/09	504	0	68		0	572
9/6/09 to 9/12/09	321	0	34	61	0	416
9/13/09 to 9/19/09	314	0	0	42	0	356
9/20/09 to 9/26/09	195	0	0	0	0	195
9/27/09 to 10/3/09	0	0	0	0	335	335
10/4/09 to 10/10/09	0	16	0	0	265	281
10/11/09 to 10/17/09	0	0	0	0	179	179
10/18/09 to 10/24/09	0	0	0	0	0	0
10/25/09 to 10/31/09	0	0	0	0	0	0
Totals	4753	1090	382	1022	779	8026