Tweed River Entrance Sand Bypassing Project

Dredging Overview

Stage 1 (26 Apr 1995 to 26 May 1998)	3,047,549 m ³
Stage 2 Pre-commissioning Dredging (1 April 2000 to 29 Apr 2001)	532,518 m ³
Stage 2 Operations Dredging Campaign 1 (11 May 2001 to 6 Nov 2001)	289,972 m ³
Stage 2 Operations Dredging Campaign 2 (20 May 2002 to 20 Oct 2002)	240,129 m ³
Stage 2 Operations Dredging Campaign 3 (7 Feb 2003 to 28 Sep 2003)	230,893 m ³
Stage 2 Operations Dredging Campaign 4 (7 July 2004 to 30 Sep 2004)	169,926 m ³
Stage 2 Operations Dredging Campaign 5 (22 May 2005 to 30 Sep 2005)	176,189 m ³ *
Stage 2 Operations Dredging Campaign 6 (23 May 2006 to 28 Sep 2006)	200,298 m ³
Stage 2 Operations Dredging Campaign 7 (17 May 2008 to 24 Sep 2008)	198,979 m ³
Stage 2 Operations Dredging Campaign 8 (1 Dec 2011)	200 m ³
Total Stage 2 Dredging (April 2000 to 1 Dec 2011)	2,039,104 m ³ *
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Total Dredging (Since 1995)	5,086,653 m ³ *

^{*} Note: This does not include 22,870 m³ of sand delivered to Palm Beach from June 2005 to September 2005.

Stage 2 Dredging Quantities (Commenced in April 2000)

	Dredging Quantities (m³)											
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total		
2000	April	59,146	0	0	0	0	0	0	0	59,146		
	May	73,881	0	5,341	0	12,361	0	0	0	91,583		
	June	24,686	0	0	0	35,032	0	0	0	59,718		
	July	24,897	0	16,210	1,218	7,966	0	0	0	50,291		
	August	17,283	0	0	32,499	2,017	0	0	0	51,799		
	September	1,172	0	806	2,351	7,286	0	0	0	11,615		
	October	0	0	0	0	0	0	0	0	0		
	November	21,107	0	0	12,977	0	0	3,241	0	37,325		
	December	15,094	1,184	0	424	4,501	12,136	11,467	0	44,806		
									2000 to	otal = 406,283		
2001	January	9,721	14,325	0	28,680	0	0	2,031	0	54,757		
	February	0	0	0	12,616	0	0	8,655	0	21,271		
	March	0	0	0	8,506	0	0	8,080	0	16,586		
	April	0	0	7,922	7,260	8,416	6,381	3,641	0	33,620		
	May	0	0	32,722	5,630	0	0	0	0	38,352		

Dredging Quantities (m ³)										
					Placeme	ent Areas				
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total
	June	0	4,644	10,413	44,854	0	0	2,089	0	62,000
	July	0	39,604	0	8,043	0	0	14,754	0	62,401
	August	0	11,030	13,518	0	0	29,389	12,730	0	66,667
	September	0	8,228	0	0	0	0	33,082	0	41,310
	October	0	0	0	0	0	0	8,840	0	8,840
	November	0	0	0	0	0	0	10,401	0	10,401
	December	0	0	0	0	0	0	0	0	
									2001 to	otal = 416,205
2002	January	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0
	April	0	0	0	0	0	0	0	0	0
	May	28,686	0	0	0	0	0	0	0	28,686
	June	41,361	0	0	0	7,141	0	0	0	48,502
	July	23,878	0	0	0	3,762	0	0	0	,
	August	46,395	0	0	0	1,587	0	0	2,101	50,083
	September	23,827	5,856	0	0	4,623	12,689	0	9,229	56,224
	October	14,808	3,158	0	0	7,474	3,554	0	0	28,994
	November	0	0	0	0	0	0	0	0	0
	December	0	0	0	0	0	0	0	0	0
0000			0		ام					otal = 240,129
2003	January	0	0	0	0	0	0	0	0 705	05.700
	February	26,027	0	0	0	0	0	0	9,765	35,792
	March	11,494	0	0	0	0	0	0	410	
	April May	0	0	0	0	0	0	0	0	0
	June	25,260	0	0	0	0	0	0	0	25,260
	July	37,969	0	0	0	9,932	0	0	0	
	August	14,238	22,414	6,373	10,727	9,932	1,662	416	0	
	September	21,466	7,504	0,373	10,727	3,576	5,416	5,837	0	
	October	0	0	0	0	0,570	0,410	0,007	0	
	November	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	0	0
	2000111001	٦	<u> </u>	<u> </u>	٦	٦	٦	J		otal = 230,893
2004	January	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	
	May	0	0	0	0	0	0	0	0	
	June	0	0	0	0	0	0	0	0	0

	Dredging Quantities (m³)											
					Placeme	ent Areas						
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total		
	July	42,288	0	0	0	0	0	0	0	42,288		
	August	39,916	1,788	0	0	9,034	0	0	20,594	71,332		
	September	20,973	9,412	0	0	18,297	7,624	0	0	56,306		
	October	0	0	0	0	0	0	0	0	0		
	November	0	0	0	0	0	0	0	0	0		
	December	0	0	0	0	0	0	0	0	0		
									2004 to	otal = 169,926		
2005	January	0	0	0	0	0	0	0	0	0		
	February	0	0	0	0	0	0	0	0	0		
	March	0	0	0	0	0	0	0	0	0		
	April	0	0	0	0	0	0	0	0	0		
	May	12,493	0	0	0	0	0	0	0	12,493		
	June	24,434	0	0	0	0	0	0	0	24,434*		
	July	39,844	0	0	0	4,681	0	0	0	44,525*		
	August	15,950	1,333	0	0	4,457	4,930	0	16,510	43,180*		
	September	2,252	34,135	893	2,212	4,386	7,679	0	0	51,557		
	October	0	0	0	0	0	0	0	0	0		
	November	0	0	0	0	0	0	0	0	0		
	December	0	0	0	0	0	0	0	0	0		
		T	ı	Т		T	ı	ı		otal = 176,189		
2006	January	0	0	0	0	0	0	0	0	0		
	February	0	0	0	0	0	0	0	0	0		
	March	0	0	0	0	0	0	0	0	0		
	April	0	0	0	0	0	0	0	0	0		
	May	22,520	0	0	0	0	0	0	0	22,520		
	June	39,692	0	0	0	2,724	0	0	12,283			
	July	30,402	0	0	0	912	0	0	6,356	37,670		
	August	34,078	0	0	0	9,068	0	0	0	43,146		
	September	17,734	0	0	0	0	22,702	1,826	0	42,262		
	October	0	0	0	0	0	0	0	0	0		
	November	0	0	0	0	0	0	0	0	0		
	December	0	0	0	0	0	0	0	2006 to	0 otal = 200,298		
2007	lonueru			٦						nai = 200,298		
2007	January	0	0	0	0	0	0	0	0	0		
	February March	0	0	0	0	0	0	0	0	0		
	April	0	0	0	0	0	0	0	0	0		
	Арпі Мау	0	0	0	0	0	0	0	0	0		
	June	0	0	0	0	0	0	0	0	0		
	July	0			0	-						
	July	U	0	0	0	0	0	0	0			

Dredging Quantities (m ³)										
					Placeme	ent Areas				
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total
	August	0	0	0	0	0	0	0	0	0
	September	0	0	0	0	0	0	0	0	0
	October	0	0	0	0	0	0	0	0	0
	November	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	0	0
		T				T	T			2007 total = 0
2008	,	0	0	0	0	0	0	0	0	
	February	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	
	May	0	0	0	0	0	0	0	19,791	
	June	16,269	0	0	0	0	0	0	42,680	
	July	30,685	0	0	0	0	0	0	27,567	· · · · · · · · · · · · · · · · · · ·
	August	14,418	0	0	0	0	0	0	0	,
	September	13,775	0	0	0	0	0	0	33,613	
	October	0	0	0	0	0	0	0	0	
	November	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	2008 6	0 otal = 198,979
2009	January	0	0	0	0	0	0	0	2008 10	
2009	February	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	
	May	0	0	0	0	0	0	0	0	
	June	0	0	0	0	0	0	0	0	
	July	0	0	0	0	0	0	0	0	
	August	0	0	0	0	0	0	0	0	
	September	0	0	0	0	0	0	0	0	
	October	0	0	0	0	0	0	0	0	
	November	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	0	0
										2009 total = 0
2010	January	0	0	0	0	0	0	0	0	0
2010	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0
	April	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	
	July	0	0	0	0	0	0	0	0	
	August	0	0	0	0	0	0	0	0	0

	Dredging Quantities (m³)										
					Placeme	ent Areas					
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total	
	September	0	0	0	0	0	0	0	0	0	
	October	0	0	0	0	0	0	0	0	0	
	November	0	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	0	0	
										2010 total = 0	
	January	0	0	0	0	0	0	0	0	0	
	February	0	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	0	
	May	0	0	0	0	0	0	0	0	0	
2011	June	0	0	0	0	0	0	0	0	0	
	July	0	0	0	0	0	0	0	0	0	
	August	0	0	0	0	0	0	0	0	0	
	September	0	0		0	0	0	0	0	0	
	October	0	0	0	0	0	0	0	0	0	
	November	0	0	0	0	0	0	0	0	0	
	December	0	0	0	0	0	0	0	200	0	
	le constitution	0			ام		ام			11 total = 200	
	January	0	0	0	0	0	0	0	0	0	
	February	0	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	0	
	May June	0	0	0	0	0	0	0	0	0	
2012	July	0	0	0	0	0	0	0	0		
	August	0	0	0	0	0	0	0	0	0	
	September	0	0	0	0	0	0	0	0	0	
	October	0	0	0	00	0	0	0	0	0	
	November	0	0	0	00	0	0	0	0	0	
	December	0	0	0	0	0	0	0	0		
	200111001	<u> </u>	٦	<u> </u>	٦	J	٥	٥		2012 total = 0	
	January	0	0	0	0	0	0	0	0	0	
	February	0	0	0	0	0	0	0	0	0	
	March	0	0	0	0	0	0	0	0	0	
	April	0	0	0	0	0	0	0	0	0	
2013	•	0	0	0	0	0	0	0	0		
	June	0	0	0	0	0	0	0	0	0	
	July	0	0	0	0	0	0	0	0	0	
	August	0	0	0	0	0	0	0	0		
	September	0	0	0	0	0	0	0	0		

Dredging Quantities (m³)												
		Placement Areas										
Year	Month	SR-E	SR-W	I-N	C-N	ONR- SR/E	ONR- SR/W	ONR-C	DBAH	Total		
	October	0	0	0	0	0	0	0	0	0		
	November	0	0	0	0	0	0	0		0		
	December	0	0	0	0	0	0	0	0	0		
										2014 total = 0		
2014	January	0	0	0	0	0	0	0	0	0		
	February	0	0	0	0	0	0	0	0	0		
	March	0	0	0	0	0	0	0	0	0		
	April	0	0	0	0	0	0	0	0	0		
	May	0	0	0	0	0	0	0	0	0		
	June	0	0	0	0	0	0	0	0	0		
Total	s	977,001	164,615	94,198	188,404	169,233	114,162	127,090	204,397	2,039,104**		

^{**} Note: This does not include sand delivered to Palm beach. From June to September 2005 a total of 22,870m³ of sand was dredged from the Tweed River Entrance and deposited at Palm beach.

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