

# TWEED SAND BYPASSING

## Sand Pumping Details

Pumping Quantities Since March 2001 (m <sup>3</sup> )							
Year	Month	Outlets					Total
		Duranbah	SR-E	Kirra	Greenmount	SR-W	
2001	March	0	111,495	0	0	0	111,495
	April	18,968	51,489	0	0	0	70,457
	May	48,290	20,009	0	0	0	68,299
	June	0	61,800	0	0	0	61,800
	July	0	84,263	0	0	0	84,263
	August	0	0	28,161	0	0	28,161
	September	0	0	46,940	0	0	46,940
	October	0	7,720	22,178	0	1,586	31,484
	November	0	52,113	0	0	0	52,113
	December	0	20,857	0	0	0	20,857
	<b>2001 total = 575,869</b>						
2002	January	0	38,284	0	0	0	38,284
	February	0	16,198	45,233	0	0	61,431
	March	0	75,401	0	0	0	75,401
	April	30,176	53,571	0	0	0	83,747
	May	14,339	67,521	0	0	0	81,860
	June	0	78,377	0	0	0	78,377
	July	0	91,417	0	0	0	91,417
	August	0	117,842	0	0	0	117,842
	September	19,345	15,988	0	0	0	35,333
	October	8,012	9,978	10,248	0	0	28,238
	November	0	0	22,836	0	0	22,836
	December	0	0	6,598	0	0	6,598
<b>2002 total = 721,364</b>							
2003	January	0	2	0	0	0	2
	February	0	86,239	17,764	0	0	104,003
	March	14,583	65,302	0	0	0	79,885
	April	19,853	78,621	0	0	0	98,474
	May	0	100,144	0	0	0	100,144
	June	31,482	36,561	0	0	0	68,043
	July	4,306	73,652	0	0	0	77,958
	August	0	68,280	0	0	0	68,280
	September	0	33,338	0	10,722	0	44,060
	October	0	9,634	18,473	21,209	0	49,316
	November	0	9,379	36,100	0	0	45,479
	December	0	41,801	9,581	0	0	51,382
<b>2003 total = 787,026</b>							
2004	January	0	48,374	0	0	0	48,374
	February	0	23,677	0	0	0	23,677
	March	36,813	38,639	0	0	0	75,452
	April	0	32,640	0	0	0	32,640
	May	0	18,668	0	0	0	18,668
	June	0	44,519	0	0	0	44,519
	July	0	54,993	0	0	0	54,993
	August	0	25,963	0	0	0	25,963
	September	0	59,112	0	0	0	59,112
	October	0	40,404	0	0	0	40,404
	November	0	37,716	0	0	0	37,716

	December	0	34,849	0	0	0	34,849
<b>2004 total = 496,367</b>							
2005	January	0	56,160	0	0	0	56,160
	February	0	58,972	0	0	0	58,972
	March	0	56,585	0	0	0	56,585
	April	6,527	75,942	0	0	0	82,469
	May	17,821	70,400	0	0	0	88,221
	June	0	98,493	0	0	0	98,493
	July	0	54,511	0	0	0	54,511
	August	0	95,636	0	0	0	95,636
	September	0	31,587	0	0	0	31,587
	October	0	43,796	0	0	0	43,796
	November	5,231	27,804	0	0	0	33,035
	December	12,108	13,358	0	0	0	25,466
<b>2005 total = 724,931</b>							
2006	January	0	56,231	0	0	0	56,231
	February	0	70,596	0	0	0	70,596
	March	0	51,602	0	0	0	51,602
	April	13,715	7,134	0	0	0	20,849
	May	23,551	0	0	0	0	23,551
	June	6,903	57,402	0	0	0	64,305
	July	0	115,009	0	0	0	115,009
	August	0	39,955	0	0	0	39,955
	September	0	35,988	0	0	0	35,988
	October	0	17,705	0	0	0	17,705
	November	22,930	3,004	0	0	0	25,934
	December	0	30,559	0	0	0	30,559
<b>2006 total = 552,284</b>							
2007	January	0	27,203	0	0	0	27,203
	February	0	58,002	0	0	0	58,002
	March	0	52,736	0	0	0	52,736
	April	0	37,505	0	0	0	37,505
	May	19,766	19,496	0	0	0	39,262
	June	1,956	60,129	0	0	0	62,085
	July	0	70,689	0	0	0	70,689
	August	0	83,698	0	0	0	83,698
	September	5,572	45,694	0	0	0	51,266
	October	0	14,069	0	0	0	14,069
	November	2,274	18,635	0	0	0	20,909
	December	17,711	27,112	0	0	0	44,823
<b>2007 total = 562,247</b>							
2008	January	8,452	42,221	0	0	0	50,673
	February	0	47,518	0	0	0	47,518
	March	21,048	29,927	0	0	0	50,975
	April	8,750	63,642	0	0	0	72,392
	May	0	62,086	0	0	0	62,086
	June	0	64,782	0	0	0	64,782
	July	0	51,114	0	0	0	51,114
	August	0	64,894	0	0	0	64,894
	September	2,887	54,104	0	0	0	56,991
	October	15,220	11,235	0	0	0	26,455
	November	9,140	23,086	0	0	0	32,226
	December	0	5,703	0	0	0	5,703
<b>2008 total = 585,809</b>							
	January	0	35,488	0	0	0	35,488
	February	4,325	33,481	0	0	0	37,806
	March	0	48,644	0	0	0	48,644
	April	14,296	61,554	0	0	0	75,850
	May	21,779	28,745	0	0	0	50,524

2009	June	0	12,703	0	0	0	12,703
	July	0	17,172	0	0	2,881	20,053
	August	3,411	22,853	0	0	7,797	34,061
	September	0	40,140	0	0	0	40,140
	October	0	31,852	0	0	0	31,852
	November	0	14,067	0	0	0	14,067
	December	0	8,044	0	0	0	8,044
<b>2009 total = 409,232</b>							
2010	January	0	6,641	0	0	0	6,641
	February	0	58,309	0	0	0	58,309
	March	0	51,041	0	0	0	51,041
	April	0	38,304	0	0	0	38,304
	May	12,868	23,515	0	0	0	36,383
	June	8,913	24,028	0	0	0	32,941
	July	0	33,722	0	0	0	33,722
	August	0	11,582	0	0	0	11,582
	September	0	27,708	0	0	0	27,708
	October	0	43,208	0	0	0	43,208
	November	0	40,395	0	0	0	40,395
	December	0	15,375	0	0	0	15,375
<b>2010 total = 395,609</b>							
2011	January	0	35,722	0	0	0	35,722
	February	6,460	23,080	0	0	0	29,540
	March	0	50,854	0	0	0	50,854
	April	0	45,325	0	0	0	45,325
	May	24,674	27,031	0	0	0	51,705
	June	0	63,363	0	0	0	63,363
	July	0	53,621	0	0	0	53,621
	August	0	56,251	0	0	0	56,251
	September	0	37,325	0	0	0	37,325
	October	24,729	20,206	0	0	0	44,935
	November	4,541	5,174	0	0	0	9,715
	December	0	39,813	0	0	0	39,813
<b>2011 total = 518,169</b>							
2012	January	0	25,253	0	0	0	25,253
	February	0	32,198	0	0	0	32,198
	March	15,536	26,330	0	0	0	41,866
	April	0	38,530	0	0	0	38,530
	May	20,939	10,851	0	0	0	31,790
	June	0	64,953	0	0	0	64,953
	July	12,044	36,299	0	0	0	48,343
	August	0	28,406	0	0	0	28,406
	September	0	22,916	0	0	0	22,916
	October	7,893	35,461	0	0	0	43,354
	November	1,070	26,922	0	0	0	27,992
	December	0	30,491	0	0	0	30,491
<b>2012 total = 436,092</b>							
2013	January	0	40,117	0	0	0	40,117
	February	0	29,178	0	0	0	29,178
	March	2,236	17,149	0	0	0	19,385
	April	0	19,406	0	0	0	19,406
	May	3,885	26,706	0	0	0	30,591
	June	0	46,838	0	0	0	46,838
	July	2,841	35,699	0	0	0	38,540
	August	0	13,429	0	0	0	13,429
	September	0	23,780	0	0	0	23,780
	October	0	15,882	0	0	0	15,882
	November	1,642	19,526	0	0	0	21,168
	December	0	21,569	0	0	0	21,569

<b>2013 total = 319,883</b>							
2014	January	0	54,911	0	0	0	54,911
	February	0	28,780	0	0	0	28,780
	March	0	55,527	0	0	0	55,527
	April	4,699	33,742	0	0	0	38,441
	May	2,465	25,672	0	0	0	28,137
	June	0	26,473	0	0	0	26,473
	July	0	52,155	0	0	0	52,155
	August	0	80,278	0	0	0	80,278
	September	0	35,081	0	0	0	35,081
	October	0	20,516	0	0	0	20,516
	November	1,949	14,325	0	0	0	16,274
	December	6,156	22,772	0	0	0	28,928
<b>2014 total = 465,501</b>							
2015	January	0	39,105	0	0	0	39,105
	February	0	66,014	0	0	0	66,014
	March	10,008	7,449	0	0	0	17,457
	April	4,535	34,801	0	0	0	39,336
	May	5,578	36,371	0	0	0	41,949
	June	2,076	50,999	0	0	0	53,075
	July	4,525	65,512	0	0	0	70,037
	August	0	45,146	0	0	0	45,146
	September	0	56,139	0	0	0	56,139
	October	17,770	22,519	0	0	0	40,289
	November	0	29,360	0	0	0	29,360
	December	0	54,775	0	0	0	54,775
<b>2015 total = 552,682</b>							
2016	January	0	64,363	0	0	0	64,363
	February	0	61,124	0	0	0	61,124
	March	3,747	21,276	0	0	0	25,023
	April	1,483	38,111	0	0	0	39,594
	May	0	20,408	0	0	0	20,408
	June	0	52,115	0	0	0	52,115
	July	7,164	25,431	0	0	0	32,595
	August	6,239	32,622	0	0	0	38,861
	September	0	16,768	0	0	0	16,768
	October	0	12,967	0	0	0	12,967
	November	0	25,856	0	0	0	25,856
	December	0	29,890	0	0	0	29,890
<b>2016 total = 461,564</b>							
2017	January	0	15,474	0	0	0	15,474
	February	0	18,726	0	0	0	18,726
	March	0	58,397	0	0	0	58,397
	April	0	49,875	0	0	0	49,875
	May	12,013	26,800	0	0	0	38,813
	June	19,083	49,521	0	0	0	68,604
	July	2,610	24,373	0	0	0	26,983
	August	0	29,455	0	0	0	29,455
	September	0	20,168	0	0	0	20,168
	October	0	13,674	0	0	0	13,674
	November	0	48,352	0	0	0	48,352
	December	0	17,003	0	0	0	17,003
<b>2017 total</b>	<b>405,524</b>						

2018	January	0	32,027	0	0	0	32,027
	February	0	35,777	0	0	0	35,777
	March	0	35,445	0	0	0	35,445
	April	0	22,108	0	0	0	22,108
	May	0	38,513	0	0	0	38,513
	June	0	38,030	0	0	0	38,030
	July	0	11,410	0	0	0	11,410
	August	0	31,333	0	0	0	31,333
	September	0	27,587	0	0	0	27,587
	October	0	38,121	0	0	0	38,121
	November	12,351	7,086	0	0	0	19,437
	December	2914	28,545	0	0	0	31,459
<b>2018 total</b>	<b>361,247</b>						
2019	January	0	24,515	0	0	0	24,515
	February	0	49,143	0	0	0	49,143
	March						
	April						
	May						
	June						
	July						
	August						
	September						
	October						
	November						
	December						
<b>2019 total</b>	<b>73,658</b>						
	<b>Duranbah</b>	<b>SR-E</b>	<b>Kirra</b>	<b>Greenmount</b>	<b>SR-W</b>		
<b>Totals</b>	<b>789,176</b>	<b>8,265,575</b>	<b>264,112</b>	<b>31,931</b>	<b>12,264</b>	<b>9,363,058</b>	