

TWEED SAND BYPASSING

Sand Pumping Details

Pumping Quantities Since March 2001 (m ³)								
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	
	2001 total = 575,869 m ³							
	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	
2002 total = 721,364 m ³								
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	
2003 total = 787,026 m ³								
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	
2004 total = 496,367 m ³								

Year	Month	Duranbah	SR-E	Kirra	Greenmount	SR-W	Total
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
2005 total = 724,931 m³							
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
2006 total = 552,284 m³							
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
2007 total = 562,247 m³							
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
2008 total = 585,809 m³							

Year	Month	Duranbah	SR-E	Kirra	Greenmount	SR-W	Total
2009	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
	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
2009 total = 409,232 m ³							
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
2010 total = 395,609 m ³							
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
2011 total = 518,169 m ³							
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
2012 total = 436,092 m ³							

Year	Month	Duranbah	SR-E	Kirra	Greenmount	SR-W	Total
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
2013 total = 319,883 m³							
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
2014 total = 465,501 m³							
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
2015 total = 552,682 m³							
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
2016 total = 419,564 m³							

Year	Month	Duranbah	SR-E	Kirra	Greenmount	SR-W	Total
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
2017 total = 405,524 m³							
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
2018 total = 361,247 m³							
2019	January	0	24,515	0	0	0	24,515
	February	0	49,143	0	0	0	49,143
	March	0	26,045	0	0	0	26,045
	April	0	38,412	0	0	0	38,412
	May	0	26,935	0	0	0	26,935
	June	0	53,076	0	0	0	53,076
	July	0	50,124	0	0	0	50,124
	August	0	24,258	0	0	0	24,258
	September	0	21,950	0	0	0	21,950
	October	15,211	4,301	0	0	0	19,512
	November	0	13,761	0	0	0	13,761
	December						
2019 total = 347,731 m³							
Totals (2000-2019)		804,387	8,524,437	264,112	31,931	12,264	9,637,131