

**THREE KINGS QUARRY**  
**RESOURCE CONSENT 12977**  
**QUARTERLY REPORT**

**June 2006**

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**THREE KING QUARRY – RESOURCE CONSENT 12977**

The following report is made with regard to Conditions 6 and 7 of Resource Consent 12977.

This report contains water meter readings which record the quantity of groundwater being taken and groundwater levels within boreholes surrounding the take point.

A plan showing the location of boreholes in which groundwater levels were measured is attached.

This report contains records for the period of the 1st March to 31st May 2006.

THREE KINGS GROUNDWATER LEVEL RECORD SHEET

Date	BH 1B	BH 2B	BH 5B	BH 6A	BH 6B	BH 6C	BH 7	BH 10a						
15-Mar-06	12.91	34.79	1.11	34.14	33.66	45.13	39.03	39.76	43.50	35.29	28.99	39.62	28.86	51.90
19-Apr-06	10.94	35.28		34.60	34.04	44.75	38.85	39.94	43.01	35.78	28.80	39.81	29.87	50.89
17-May-06	10.30	35.92			33.69	45.10	38.36	40.43	42.39	36.40	27.47	41.14	29.87	50.89

  

Date	BH 10b	BH 11b	BH 12a	BH 12b	BH 13a	BH 13c	BH 16	BH 17								
15-Mar-06	8.11	72.65	7.59	72.40	21.79	50.44	5.16	66.97	16.71	55.46	7.19	66.22	49.22	50.92	43.87	34.01
19-Apr-06	8.11	72.65	7.59	72.40	21.90	50.33	5.16	66.97	17.01	55.16	7.20	66.21	49.37	50.77	43.37	34.51
17-May-06	8.10	72.66	7.56	72.43	21.43	50.80	5.01	67.12	10.16	62.01	7.19	66.22	49.05	51.09	42.70	35.18

  

Date	BH 18A	BH 18B	BH 19A	BH 19B	BH 20	BH 20a	BH 21	BH 22								
15-Mar-06	48.88	35.62	39.43	45.07	45.94	34.11	41.10	38.95	2.20	54.46	6.44	50.30	36.60	35.71	34.03	41.21
19-Apr-06	48.8	35.70	39.37	45.13	45.47	34.58	41.10	38.95	2.13	54.53	6.57	50.17	36.64	35.67	34.04	41.20
17-May-06	48.37	36.13	39.71	44.79	44.85	35.20	41.60	38.45	1.80	54.86	5.67	51.07	36.26	36.05	34.04	41.20

  

Date	BH 22a	BH 23	BH 23a	BH 24	BH 24a	BH 25	BH 25a	BH 25b1								
15-Mar-06	10.62	64.52	5.94	51.26	6.30	51.04	7.08	55.72	0.60	62.16	22.40	37.05	12.34	47.10	8.21	47.10
19-Apr-06	10.72	64.42	5.91	51.29	6.31	51.03	7.16	55.64	0.54	62.22	22.24	37.21	10.98	48.46	9.10	47.99
17-May-06	10.06	65.08	5.85	51.35	6.28	51.06	7.03	55.77	0.50	62.26	21.84	37.61	10.39	49.05	9.73	48.62

  

Date	BH 25b2	BH 26	BH 26a	BH 27	BH 28a	BH 28b	BH 29	BH 30								
15-Mar-06	7.47	50.86	0.62	58.82	5.32	54.09	0.25	49.35	5.94	50.59	3.18	52.23	9.23	57.37	16.60	54.83
19-Apr-06	7.34	50.73	0.48	58.96	5.37	54.04	0.24	49.36	5.97	50.62	3.13	52.18	9.21	57.39	16.52	54.75
17-May-06	8.14	51.53	0.47	58.97	5.05	54.36	0	49.60	6.19	50.84	3.87	52.92	9.03	57.57	16.80	55.03

  

Date	BH 31a	BH 31b	BH 32	BH 33	BH 34	BH 35a	BH 35b	BH 36a								
15-Mar-06	14.91	48.50	12.58	49.87	4.77	53.89	3.31	56.96	10.56	48.19	16.04	50.22	11.37	54.89	7.99	58.54
19-Apr-06	14.85	48.44	12.52	49.81	4.72	53.94	3.23	57.04	9.97	48.78	16.26	50.00	11.45	54.81	8.07	58.46
17-May-06	15.00	48.59	12.69	49.98	3.94	54.72	2.85	57.42	9.18	49.57	16.29	49.97	11.26	55.00	7.84	58.69

  

Date	BH 36b	BH 37a	BH 37b	BH 38a	BH 38b	BH 39a	BH 39b	BH 40a								
15-Mar-06	7.87	58.66	3.8	53.74	3.89	53.71	4.21	54.27	4.93	53.54	7.00	54.99	5.25	56.88	9.74	61.58
19-Apr-06	7.88	58.65	3.53	54.01	3.85	53.75	4.09	54.39	4.87	53.60	7.01	54.98	5.21	56.92	9.76	61.56
17-May-06	7.85	58.68	3.58	53.96	3.72	53.86	4.03	54.45	4.78	53.69	6.85	55.14	5.08	57.05	9.80	61.52

  

Date	BH 40b	
15-Mar-06	7.76	63.80
19-Apr-06	7.78	63.58
17-May-06	7.80	63.56

Locations of boreholes are marked on the attached plan

Waterlevels within standpipe piezometers are expressed as depth below surface levels (first column) and as elevations above sealevel (second column).

Waterlevels within pneumatic piezometers are expressed as head of water above piezometer tip (first column) and as elevations above sealevel (second column).

## Water Use Record Sheet

Permit Holder: Winstone Aggregates

Permit Number: 12977

### Meter Readings

Metro Bore  
 1st June 2005: 9239852  
 1st March 2006: 10014414

Annual Use: 987917  
 Quarterly Water Use: 213355

Date	Metro Bore
1/03/2006	10014414
2/03/2006	10016818
3/03/2006	10019247
4/03/2006	10020999
5/03/2006	
6/03/2006	10024306
7/03/2006	10025990
8/03/2006	10027666
9/03/2006	10029160
10/03/2006	10030350
11/03/2006	10032614
12/03/2006	
13/03/2006	10035965
14/03/2006	10037676
15/03/2006	10039408
16/03/2006	10041125
17/03/2006	10042835
18/03/2006	10044583
19/03/2006	
20/03/2006	10047989
21/03/2006	10049736
22/03/2006	10051473
23/03/2006	10053193
24/03/2006	10054924
25/03/2006	10056655
26/03/2006	
27/03/2006	10059927
28/03/2006	10061585
29/03/2006	10063279
30/03/2006	10065000
31/03/2006	10066720

Date	Metro Bore
1/04/2006	10068444
2/04/2006	
3/04/2006	10071800
4/04/2006	10073474
5/04/2006	10075161
6/04/2006	10077562
7/04/2006	10080138
8/04/2006	10082712
9/04/2006	
10/04/2006	10087920
11/04/2006	10090403
12/04/2006	10092970
13/04/2006	10095537
14/04/2006	
15/04/2006	
16/04/2006	
17/04/2006	
18/04/2006	10108343
19/04/2006	10110939
20/04/2006	10113425
21/04/2006	10115968
22/04/2006	10118584
23/04/2006	
24/04/2006	10123562
25/04/2006	
26/04/2006	10128590
27/04/2006	10130955
28/04/2006	10133471
29/04/2006	10135957
30/04/2006	

Date	Metro Bore
1/05/2006	10141478
2/05/2006	10144130
3/05/2006	10146561
4/05/2006	10148998
5/05/2006	10151574
6/05/2006	10154460
7/05/2006	
8/05/2006	10160878
9/05/2006	10163999
10/05/2006	10167077
11/05/2006	10170188
12/05/2006	10173266
13/05/2006	10176391
14/05/2006	
15/05/2006	10182584
16/05/2006	10185643
17/05/2006	10188802
18/05/2006	10191916
19/05/2006	10195016
20/05/2006	10198114
21/05/2006	
22/05/2006	10204339
23/05/2006	10207029
24/05/2006	10209719
25/05/2006	10212433
26/05/2006	10214990
27/05/2006	10217550
28/05/2006	
29/05/2006	10222652
30/05/2006	10225212
31/05/2006	10227769