

Product Transport Monitoring

Bass Point Quarry

Q1 2021

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Date issued: 27/10/2021



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1. Introduction

This document has been prepared by Hanson Construction Materials Pty Ltd (Hanson) to fulfil the reporting requirements stipulated in *Schedule 3, Condition 31* of Project Approval MP 08_0143 (the Approval). A summary table of how Hanson meet the requirements of *Schedule 3, Condition 31* is provided below as **Table 1**.

Table 1: Summary table of how Hanson meet the requirements of *Schedule 3, Condition 31* of the Approval.

Schedule 3, Condition 31	Section in document
Monitoring of Product Transport	
31. The Proponent must:	
(a) keep accurate records of:	
<ul style="list-style-type: none"> • the amount of quarry products transported from the site (monthly and annually); 	Section 3
<ul style="list-style-type: none"> • the regional destination of quarry products transported from the site; and 	Section 3
<ul style="list-style-type: none"> • all laden truck movements (ie dispatch of trucks carrying quarry products or concrete) from the site (hourly, daily, weekly, monthly and annually); and 	Section 2
(b) publish these records on its website on a quarterly basis.	Noted

Attention should also be drawn to other conditions in the Approval relevant to product transport, specifically *Schedule 2, Condition 7* and *Schedule 2, Condition 8*, which stipulate limits for annual volume of products transported and the numbers of laden trucks dispatched, respectively.

Extractive Material Transport

7. The Proponent must not permit to be transported from the site:
- (a) more than 4 million tonnes of quarry products in any calendar year; or
 - (b) more than 3 million tonnes of quarry products by road in any calendar year.

Transport of Products

8. The Proponent must limit the dispatch of trucks carrying quarry products or concrete from the site to the levels shown in Table 1.

Table 1: Laden Truck Dispatch Hours

Period	Maximum Laden Truck Dispatch
7 am – 10 pm	40 in any hour
10 pm – 7 am	23 in any hour
5 am – 6 am (Monday to Friday only and excluding Public Holidays)	27
6 am – 7 am (Monday to Friday only and excluding Public Holidays)	38
24-hour calendar day	500

2. Laden truck movements

Schedule 3, Condition 31 requires Hanson to publish records of laden truck movements from the site on an hourly, daily, weekly, monthly, and annual basis (see **Section 1**). The complete laden truck dispatch report is included as **Appendix A**. The compliance status of laden truck movements for the first quarter of 2021 (i.e. 01/01/2021 to 31/03/2021 inclusive) is discussed in **Section 2.1**, **Section 2.2**, **Section 2.3**, **Section 2.4**, and **Section 2.5**.

2.1. Hourly laden truck dispatch

There were no non-compliances with the hourly laden truck dispatch limits (*Schedule 2, Condition 8*) during the first quarter of 2021. See **Appendix A** for the complete laden truck dispatch report.

2.2. Daily laden truck dispatch

There were no non-compliances with the daily laden truck limit (*Schedule 2, Condition 8*) during the first quarter of 2021. See **Appendix A** for the complete laden truck dispatch report.

2.3. Weekly laden truck dispatch

There is no applicable limit for weekly laden truck dispatch (*Schedule 2, Condition 8*), so compliance status is not applicable. See **Appendix A** for the complete laden truck dispatch report.

2.4. Monthly laden truck dispatch

There is no applicable limit for monthly laden truck dispatch (*Schedule 2, Condition 8*), so compliance status is not applicable. See **Appendix A** for the complete laden truck dispatch report.

2.5. Annual laden truck dispatch

There is no applicable limit for annual laden truck dispatch (*Schedule 2, Condition 8*), so compliance status is not applicable. See **Appendix A** for the complete laden truck dispatch report for the first quarter of 2021. The annual laden truck dispatch will be provided in the report for the fourth quarter of 2021.

3. Regional destination of quarry products

Schedule 3, Condition 31 requires Hanson to publish records of the monthly and annual volume of quarry products transported from the site, as well as the regional destination (see Section 1). To meet this requirement, customer delivery records were classified under the Local Land Services regions. Monthly volumes of quarry products transported from site to different regional destinations have been visually represented below (Figure 1(a), Figure 1(b), and Figure 1(c)). An annual summary of regional destination volumes (compared to Schedule 2, Condition 7) will be available in the report for the fourth quarter of 2021.

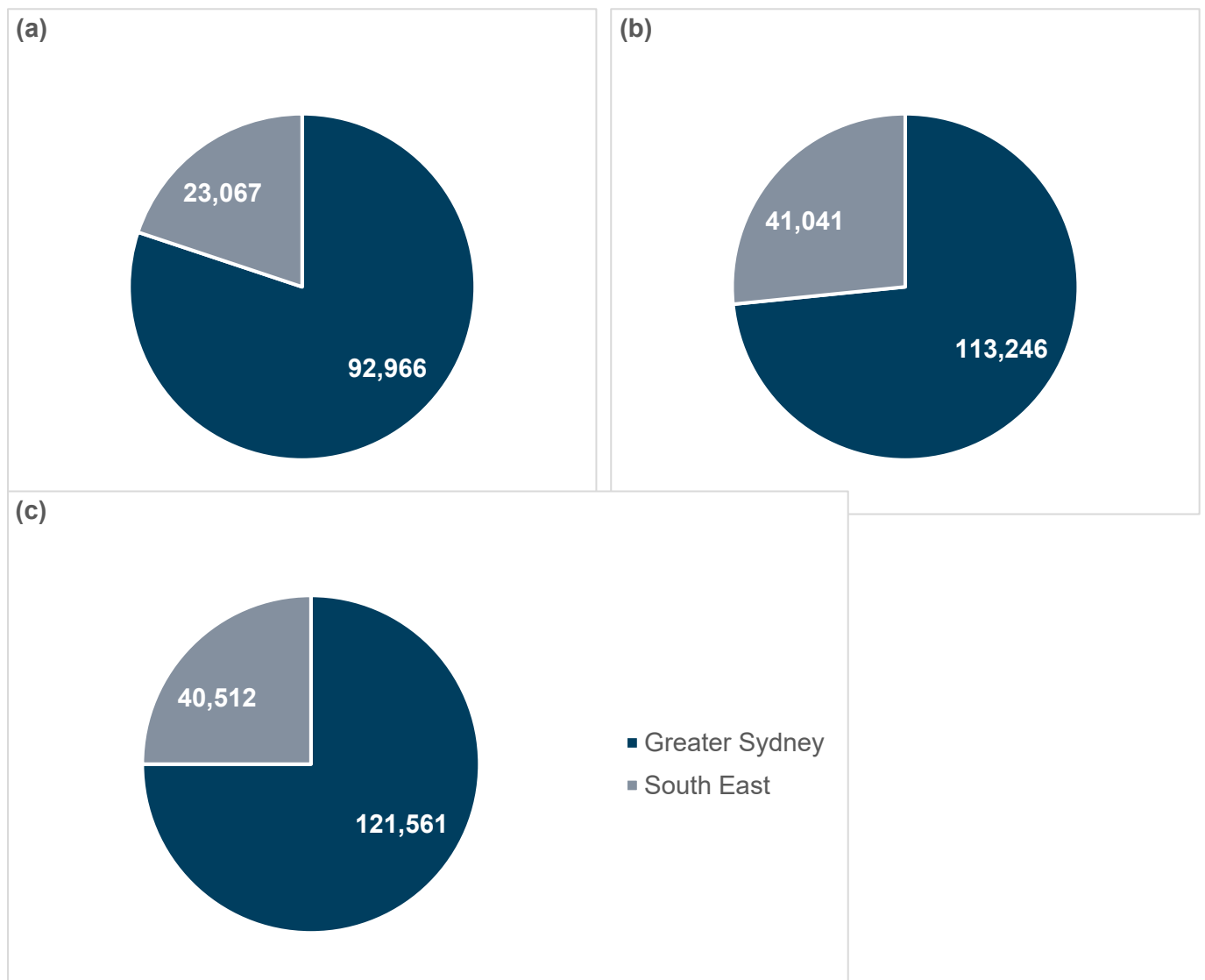


Figure 1: Volume of quarry products (tonnes) transported to different regional destinations for the months of (a) January 2021; (b) February 2021; and (c) March 2021.

Appendix A

Table A 1: Hourly and daily truck dispatch report for the first quarter of 2021 (i.e. 01/01/2021 to 31/03/2021 inclusive). Deliveries has been abbreviated to dlvs. Dates on which there were no trucks dispatched have been omitted from the report. Exceedances are shaded orange. Data that has been amended (e.g. due to split loads) are shaded yellow.

Ticket Date	No. Dlvs	Hours (24-hr time)																									
		0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
4/01/2021	53	1	0	0	0	0	0	0	3	29	8	1	6	1	5	0	0	0	0	0	0	0	0	0	0	0	0
5/01/2021	45	0	0	0	0	0	1	0	12	12	3	0	7	4	5	0	1	0	0	0	0	0	0	0	0	0	0
6/01/2021	67	0	0	0	0	0	4	3	13	4	8	9	8	9	8	1	0	0	0	0	0	0	0	0	0	0	0
7/01/2021	104	1	0	0	0	0	0	0	14	16	16	14	7	15	7	13	2	0	0	0	0	0	0	0	0	0	0
8/01/2021	96	2	0	0	0	0	5	2	21	11	13	9	14	5	4	4	7	1	0	0	0	0	0	0	0	0	0
9/01/2021	57	0	0	0	0	0	10	15	10	8	7	6	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10/01/2021	5	1	0	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11/01/2021	152	0	0	0	0	0	5	24	14	12	6	10	9	11	10	11	5	6	8	5	4	1	2	7	2	0	0
12/01/2021	215	1	3	2	0	1	19	17	17	9	19	16	22	18	14	8	13	5	6	6	2	1	6	7	3	1	1
13/01/2021	195	0	4	2	0	2	9	17	20	11	14	17	13	11	13	9	8	5	9	12	0	3	8	1	4	3	3
14/01/2021	211	0	5	0	2	2	14	12	15	17	15	17	19	13	19	11	9	10	8	7	1	0	4	6	3	2	2
15/01/2021	209	0	4	1	0	1	16	16	19	18	26	18	20	15	17	8	2	5	5	8	0	1	1	4	4	0	0
16/01/2021	68	1	1	0	2	0	0	19	12	8	1	10	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0
18/01/2021	272	0	0	0	0	0	8	27	22	13	16	22	26	28	22	14	17	11	14	7	0	7	5	6	4	3	3
19/01/2021	303	0	3	1	2	3	17	21	28	22	25	29	27	31	23	7	3	9	9	12	1	5	5	8	7	5	5
20/01/2021	234	1	4	1	2	1	13	15	20	11	22	13	28	21	16	13	3	5	7	7	2	4	8	7	6	5	5
21/01/2021	275	0	4	2	0	1	10	15	26	16	26	24	26	27	23	14	10	10	9	4	5	4	5	8	3	3	3
22/01/2021	221	0	4	0	0	1	17	19	18	11	17	16	19	19	18	8	6	8	11	6	2	3	4	5	7	2	2
23/01/2021	67	2	4	0	0	2	4	22	9	6	4	9	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0
24/01/2021	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25/01/2021	82	0	0	0	0	0	5	13	9	4	3	6	9	5	7	4	1	3	5	2	1	1	2	2	0	0	0
26/01/2021	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
27/01/2021	213	0	0	0	0	0	10	23	21	9	17	15	17	24	10	15	5	4	5	5	4	5	8	5	7	4	4
28/01/2021	204	1	5	1	1	4	8	20	14	16	14	19	18	16	12	5	4	1	8	5	3	4	6	10	7	3	3
29/01/2021	99	1	8	0	1	1	15	12	9	6	2	5	4	6	0	3	3	4	4	4	2	5	4	2	1	0	2

Ticket Date	Hours (24-hr time)																										
	No. Divs	0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24	
30/01/2021	33	2	1	0	0	0	1	17	7	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/02/2021	233	0	1	0	0	0	9	20	15	12	16	15	34	20	19	12	8	3	6	8	5	3	7	9	8	3	
2/02/2021	174	0	9	1	1	2	3	14	17	17	10	13	14	11	11	10	2	3	4	8	5	4	4	6	4	1	
3/02/2021	208	0	1	1	1	4	13	19	18	11	10	18	11	20	16	10	9	6	6	12	3	2	4	6	5	2	
4/02/2021	201	0	3	0	0	1	15	21	15	9	9	21	14	15	11	10	7	5	8	8	3	6	2	3	9	6	
5/02/2021	224	0	2	0	0	1	10	27	18	15	16	17	18	17	18	15	10	1	4	6	5	5	5	2	11	1	
6/02/2021	89	0	3	0	0	1	2	23	13	10	7	11	18	1	0	0	0	0	0	0	0	0	0	0	0	0	
7/02/2021	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	
8/02/2021	237	0	0	0	0	0	6	26	28	12	14	23	30	18	16	12	11	2	8	4	6	2	7	5	4	3	
9/02/2021	247	0	5	1	1	1	14	22	17	22	16	19	15	18	15	16	9	7	11	11	5	3	5	2	10	2	
10/02/2021	267	3	0	1	0	4	11	20	18	15	15	19	27	25	18	25	5	4	12	14	4	3	5	6	14	2	
11/02/2021	265	0	4	1	1	2	13	22	24	11	15	18	30	17	22	13	11	8	14	8	6	3	6	4	11	1	
12/02/2021	261	0	3	1	1	4	6	19	25	21	16	22	19	26	20	17	15	8	5	5	5	7	4	2	9	1	
13/02/2021	57	0	3	2	0	0	1	23	11	3	3	6	5	0	0	0	0	0	0	0	0	0	0	0	0	0	
15/02/2021	262	0	0	0	0	0	7	27	24	16	15	18	25	21	22	17	8	9	10	6	5	5	6	9	9	3	
16/02/2021	160	0	4	2	0	0	14	18	19	7	5	11	12	8	11	2	3	4	6	4	5	6	6	6	2	5	
17/02/2021	188	0	4	2	1	3	11	18	15	5	10	12	22	17	9	6	6	2	11	8	4	5	5	5	3	4	
18/02/2021	231	0	2	1	1	0	14	19	24	8	11	15	17	21	13	15	7	9	8	4	2	6	10	12	7	5	
19/02/2021	161	0	2	1	0	3	4	22	18	15	10	10	12	8	9	7	3	5	6	5	2	5	4	4	3	3	
20/02/2021	90	1	2	0	1	0	0	22	14	10	7	15	9	7	3	0	0	0	0	0	0	0	0	0	0	0	
22/02/2021	191	2	0	0	0	0	5	21	23	7	14	15	17	23	8	8	1	4	9	3	3	2	8	10	1	9	
23/02/2021	307	0	3	5	1	3	13	19	28	20	28	23	26	31	24	20	13	6	11	3	2	5	6	5	7	5	
24/02/2021	210	1	5	5	3	3	12	24	14	8	5	18	19	10	11	7	3	7	9	3	4	6	8	11	11	4	
25/02/2021	268	0	6	0	1	2	12	21	18	15	16	25	22	20	15	20	8	9	8	7	5	5	9	12	9	3	
26/02/2021	302	0	2	1	1	3	18	20	18	19	28	29	23	27	34	20	13	10	6	6	3	2	6	4	5	4	
27/02/2021	120	1	3	1	0	0	4	20	13	12	15	15	21	12	2	0	0	0	0	0	0	0	0	0	2	0	
1/03/2021	227	1	0	0	0	0	5	26	32	12	8	12	17	18	16	15	11	10	6	7	3	4	5	2	12	6	
2/03/2021	195	2	4	2	1	1	13	25	11	10	13	21	18	18	11	8	5	3	4	4	2	0	4	8	7	2	
3/03/2021	327	1	9	4	3	1	15	22	27	16	20	33	24	37	22	28	22	10	10	1	3	2	3	5	6	4	
4/03/2021	265	0	0	0	3	5	15	27	12	21	10	17	29	28	19	14	6	12	14	5	2	3	10	2	6	5	
5/03/2021	275	0	6	5	1	1	3	6	32	36	14	18	23	30	19	25	15	6	7	5	2	2	3	5	4	7	
6/03/2021	109	1	5	1	2	1	3	22	13	9	19	12	13	8	1	0	0	0	0	0	0	0	0	0	0	0	
7/03/2021	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
8/03/2021	245	0	0	0	0	0	9	26	21	11	16	15	24	20	25	18	15	7	9	4	5	1	4	7	6	2	
9/03/2021	265	2	2	3	6	3	15	22	15	24	15	20	23	21	17	20	9	7	13	2	3	5	6	7	5	2	

Ticket Date	No. Divs	Hours (24-hr time)																								
		0	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21	21 to 22	22 to 23	23 to 24
10/03/2021	334	0	5	2	1	2	21	19	27	20	23	24	28	35	28	23	20	8	14	4	4	2	4	8	8	4
11/03/2021	327	0	5	2	0	3	16	23	23	22	21	19	36	29	25	22	15	10	9	7	9	4	8	6	6	7
12/03/2021	249	0	0	0	3	4	11	23	20	15	20	16	31	15	20	18	11	9	8	5	5	1	6	2	3	3
13/03/2021	73	4	0	1	0	0	0	21	14	4	9	10	6	4	0	0	0	0	0	0	0	0	0	0	4	0
15/03/2021	211	0	1	0	0	0	7	26	18	18	9	18	22	18	16	9	5	5	7	8	4	5	5	4	4	2
16/03/2021	231	0	3	1	2	3	21	23	12	18	15	19	21	17	15	13	13	2	3	6	7	1	1	5	4	6
17/03/2021	185	0	4	0	0	3	16	18	15	8	7	18	18	12	10	5	7	10	10	3	3	3	2	6	4	3
18/03/2021	115	0	2	0	1	2	2	17	20	11	10	4	17	9	1	3	1	3	1	8	2	0	1	0	0	0
19/03/2021	56	0	0	0	0	0	5	12	3	3	7	7	3	1	4	2	2	2	2	3	0	0	0	0	0	0
20/03/2021	23	0	2	0	0	0	0	14	0	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22/03/2021	47	1	0	0	0	0	4	7	0	3	5	4	0	0	2	0	0	0	4	2	4	1	2	6	2	1
23/03/2021	34	0	2	0	0	0	5	2	1	1	3	5	1	6	0	0	0	0	2	2	0	0	2	2	0	0
24/03/2021	108	0	0	0	0	0	8	11	6	5	3	10	15	10	8	5	3	1	2	5	2	3	3	3	5	0
25/03/2021	189	1	2	1	0	2	19	22	8	10	13	13	18	21	8	11	6	2	7	7	3	0	3	5	5	3
26/03/2021	239	0	2	0	2	7	16	19	15	13	21	17	20	17	19	13	12	4	4	9	1	3	6	11	3	5
27/03/2021	108	1	3	1	0	1	0	23	18	6	16	9	20	10	0	0	1	0	0	0	0	0	0	0	0	0
29/03/2021	261	0	1	0	0	0	4	23	28	10	15	19	25	27	17	14	11	14	9	13	4	4	5	7	5	6
30/03/2021	229	0	6	2	1	4	19	19	26	9	15	10	23	20	16	6	6	1	9	7	2	3	7	9	5	4
31/03/2021	283	0	6	3	1	2	16	25	18	22	16	15	32	29	18	11	12	10	7	8	3	3	7	5	6	8