

Product Transport Monitoring

Bass Point Quarry

Q2 2020

Report Author: Chelsea Flood

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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 second quarter of 2020 (i.e. 01/04/2020 to 30/06/2020 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 second quarter of 2020. 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 second quarter of 2020. 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.

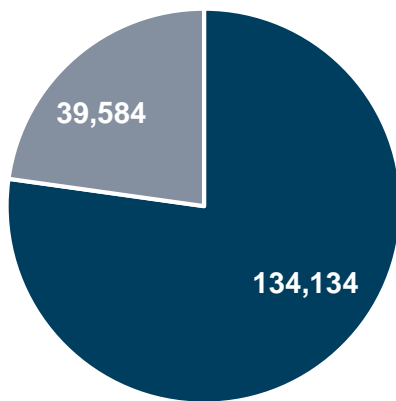
2.5. Annual laden truck dispatch

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 second quarter of 2020. The annual laden truck dispatch will be provided in the report for the fourth quarter of 2020.

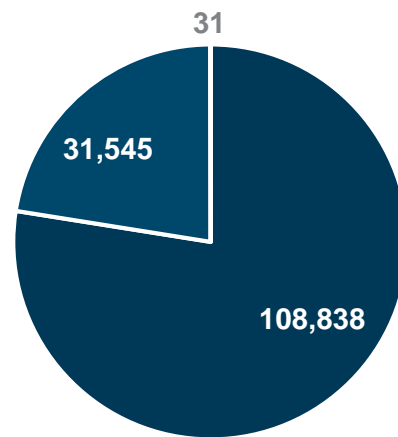
3. Regional destination of quarry products

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 2020.

(a)



(b)



(c)

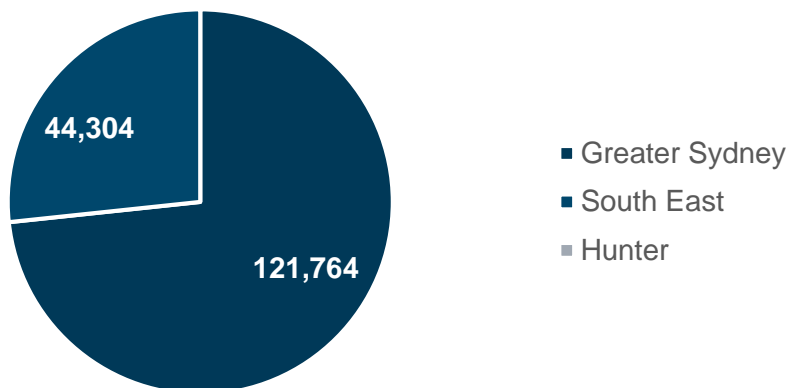


Figure 1: Volume of quarry products (tonnes) transported to different regional destinations for the months of (a) April 2020; (b) May 2020; and (c) June 2020.

Appendix A

Table A 1: Hourly and daily truck dispatch report for the second quarter of 2020 (i.e. 01/04/2020 to 30/06/2020 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
1/04/2020	220	0	6	0	1	3	16	23	17	13	11	14	13	15	15	20	9	6	8	7	2	3	4	5	5	4
2/04/2020	208	0	4	0	0	2	16	9	16	18	20	12	25	22	9	12	8	2	0	10	6	2	7	1	5	2
3/04/2020	169	0	1	0	0	2	11	11	18	16	13	14	18	10	9	7	3	4	6	5	2	4	7	1	4	3
4/04/2020	79	0	0	1	0	2	2	20	9	9	6	9	14	7	0	0	0	0	0	0	0	0	0	0	0	0
5/04/2020	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1
6/04/2020	288	0	0	0	0	0	9	26	24	15	19	19	27	27	23	22	20	8	12	11	1	3	7	8	4	3
7/04/2020	298	0	4	0	0	3	11	27	30	15	11	24	29	21	18	29	20	9	8	4	1	7	9	4	7	7
8/04/2020	312	1	3	5	1	3	13	27	27	15	27	31	27	33	16	21	5	6	8	10	3	6	11	2	6	6
9/04/2020	230	2	7	0	0	1	12	27	16	9	20	21	16	17	22	17	6	5	2	5	5	8	6	4	2	2
11/04/2020	28	0	0	0	0	0	0	8	1	7	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
14/04/2020	266	2	0	0	0	0	1	21	29	19	28	18	28	33	15	26	9	4	8	6	3	5	5	2	4	2
15/04/2020	157	0	0	0	0	0	3	9	13	23	11	9	15	16	4	7	5	1	9	7	3	1	7	8	4	2
16/04/2020	242	1	2	0	1	4	13	27	19	18	16	18	27	19	12	11	15	1	5	5	6	6	4	3	8	2
17/04/2020	242	0	2	1	0	6	13	27	15	11	24	20	20	19	18	14	8	5	6	4	2	9	8	2	4	4
18/04/2020	118	0	0	1	0	2	4	23	21	12	14	16	17	2	4	0	0	0	0	0	0	0	0	0	2	0
19/04/2020	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
20/04/2020	277	0	0	0	0	0	5	25	27	21	13	22	36	21	20	20	8	9	9	9	6	3	7	7	5	4
21/04/2020	254	0	4	0	3	6	11	24	20	18	17	17	24	23	16	16	8	1	3	9	3	1	6	9	9	6
22/04/2020	260	1	1	0	4	2	10	22	23	26	16	22	14	25	12	13	11	11	7	6	4	4	10	10	4	3
23/04/2020	233	0	4	1	5	4	13	24	20	9	19	14	21	9	13	17	13	0	6	10	2	3	4	9	8	5
24/04/2020	278	1	4	1	4	4	13	27	29	18	17	15	16	19	19	22	15	8	10	5	7	5	9	6	3	2
25/04/2020	52	0	3	0	0	0	0	6	13	6	3	3	13	3	0	0	0	0	0	0	0	0	0	0	2	0
27/04/2020	273	0	0	0	0	0	4	27	29	14	17	26	26	16	22	21	12	8	6	7	7	4	8	7	7	5
28/04/2020	243	0	9	4	2	4	14	22	18	17	13	26	15	19	18	22	6	1	10	2	4	1	4	5	4	3
29/04/2020	192	0	3	1	1	2	10	22	21	12	21	16	15	10	13	7	4	2	9	2	5	1	4	3	4	4

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
30/04/2020	115	0	4	2	0	0	11	12	10	5	8	15	5	5	1	1	1	0	6	3	4	9	0	6	4	3
1/05/2020	165	0	1	2	2	6	4	11	12	17	19	11	15	3	19	9	5	6	7	3	2	2	4	3	0	2
2/05/2020	78	2	1	0	0	4	2	21	13	8	12	6	10	1	0	0	0	0	0	0	0	0	0	0	0	0
4/05/2020	202	0	0	0	0	0	7	22	21	10	15	15	12	20	13	11	10	5	4	6	3	5	2	9	5	7
5/05/2020	168	0	2	0	2	0	13	19	13	9	12	10	16	15	12	5	4	1	7	7	2	3	4	6	4	2
6/05/2020	161	3	0	2	0	1	10	20	13	10	10	14	11	10	9	5	2	1	8	7	5	3	4	10	5	1
7/05/2020	215	0	0	2	0	0	9	20	24	10	19	16	17	15	20	15	6	5	7	5	5	2	5	4	7	2
8/05/2020	189	0	1	0	0	1	10	22	19	7	20	17	13	10	12	14	5	0	6	3	2	6	9	4	4	4
9/05/2020	105	0	1	0	0	0	0	22	15	11	8	14	13	14	5	1	0	0	0	0	0	0	0	0	1	0
11/05/2020	166	0	0	0	0	0	6	27	13	15	11	13	8	11	7	9	4	3	7	6	4	3	6	5	6	2
12/05/2020	209	0	2	0	0	1	13	16	20	15	20	10	18	15	20	3	6	4	7	7	3	2	7	7	5	8
13/05/2020	172	0	0	0	0	0	10	19	10	10	16	17	15	10	12	7	4	3	10	2	2	4	8	4	4	5
14/05/2020	242	0	5	0	0	0	15	21	16	11	18	19	25	19	19	17	13	8	4	6	2	2	3	7	5	7
15/05/2020	231	0	1	0	2	0	13	21	22	11	18	17	30	27	8	15	4	4	6	6	4	1	6	5	5	5
16/05/2020	100	0	5	1	0	2	7	21	13	12	7	11	8	9	4	0	0	0	0	0	0	0	0	0	0	0
17/05/2020	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
18/05/2020	196	0	0	0	0	0	5	23	15	12	13	14	23	19	12	7	5	12	5	6	2	6	4	5	5	3
19/05/2020	187	0	0	0	0	3	12	16	22	13	12	13	20	14	9	9	5	1	6	6	1	5	3	10	5	2
20/05/2020	266	0	2	0	0	2	11	24	26	13	18	16	22	27	21	19	7	7	8	4	2	8	8	10	6	5
21/05/2020	151	0	1	1	1	1	18	17	12	6	10	13	7	6	7	8	4	1	5	7	4	4	5	5	3	5
22/05/2020	96	0	2	2	2	1	10	5	3	5	7	4	9	1	3	3	4	0	3	8	2	3	5	7	2	5
23/05/2020	62	0	2	0	0	0	0	23	9	1	9	4	9	4	1	0	0	0	0	0	0	0	0	0	0	0
25/05/2020	133	0	0	0	0	0	7	18	14	7	4	8	12	11	11	9	5	1	4	4	5	1	4	3	3	2
26/05/2020	116	0	0	0	0	1	11	15	6	7	7	7	13	7	7	2	5	1	6	4	8	2	3	2	2	0
27/05/2020	174	0	1	0	0	1	7	16	15	11	10	17	16	12	8	6	2	1	7	6	7	5	5	5	9	7
28/05/2020	197	0	0	0	1	0	7	24	17	10	9	13	19	16	9	11	5	3	4	8	8	2	8	6	9	8
29/05/2020	198	0	1	0	1	1	5	14	22	20	17	13	12	15	13	13	7	7	5	7	1	2	5	8	5	4
30/05/2020	109	0	0	0	0	0	0	23	17	11	15	15	16	8	4	0	0	0	0	0	0	0	0	0	0	0
31/05/2020	4	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/06/2020	171	0	0	0	0	0	3	16	20	18	8	9	16	9	16	9	4	6	6	3	3	2	7	7	3	6
2/06/2020	218	0	0	1	2	2	14	18	12	13	16	17	19	19	17	11	6	3	8	3	4	6	9	5	7	6
3/06/2020	220	0	1	0	0	2	11	21	17	15	14	11	18	21	17	11	9	4	7	4	5	5	5	9	7	6
4/06/2020	219	0	2	0	3	1	16	21	16	10	19	9	15	19	13	7	13	5	11	6	2	1	8	3	13	6
5/06/2020	197	0	1	0	0	3	12	16	20	16	10	17	17	18	17	6	3	1	6	5	0	2	8	8	9	2
6/06/2020	60	0	4	1	0	0	1	22	6	3	3	6	10	4	0	0	0	0	0	0	0	0	0	0	0	0

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	
7/06/2020	7	0	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0
9/06/2020	183	0	0	0	0	0	6	21	24	17	11	10	18	14	8	13	2	0	7	2	5	3	6	4	6	6	
10/06/2020	201	0	2	0	0	1	6	15	17	14	15	9	19	18	21	12	6	2	8	7	4	6	6	3	4	6	
11/06/2020	169	0	0	2	0	0	6	13	14	8	16	14	14	13	8	8	5	2	3	3	6	5	8	4	11	6	
12/06/2020	194	0	1	0	0	0	8	18	16	15	17	21	13	15	12	9	6	4	8	8	2	0	5	8	6	2	
13/06/2020	56	0	2	0	0	0	2	21	7	6	5	4	4	5	0	0	0	0	0	0	0	0	0	0	0	0	
14/06/2020	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	
15/06/2020	191	0	0	0	0	0	9	20	10	9	7	10	21	17	10	12	5	7	5	10	3	11	6	7	7	5	
16/06/2020	196	0	0	1	0	1	9	16	18	10	15	11	18	17	12	7	4	3	9	6	5	4	6	8	7	9	
17/06/2020	239	0	1	4	1	2	12	15	21	11	13	13	17	18	17	12	13	9	8	4	8	5	7	10	9	9	
18/06/2020	219	0	2	0	0	3	11	18	21	17	9	15	20	16	16	14	10	6	9	6	1	3	3	7	10	2	
19/06/2020	282	0	2	0	2	0	10	15	27	27	18	27	27	28	21	21	7	7	8	5	0	7	9	7	3	4	
20/06/2020	102	1	0	0	0	0	0	17	22	15	15	13	8	10	0	0	0	0	0	0	0	0	0	0	2	0	
21/06/2020	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
22/06/2020	247	0	0	0	0	0	5	17	20	27	18	20	19	20	19	20	8	9	3	8	3	9	4	6	7	5	
23/06/2020	300	1	1	0	2	1	12	21	19	24	20	19	27	34	22	17	15	10	10	6	5	5	4	8	9	9	
24/06/2020	255	0	2	1	0	0	8	27	16	24	24	13	23	21	20	20	10	7	6	8	3	4	6	4	3	5	
25/06/2020	234	0	2	2	0	0	12	11	16	25	14	18	18	22	24	16	12	4	7	4	2	4	5	5	4	7	
26/06/2020	248	0	1	1	0	1	14	19	19	22	18	20	20	26	23	20	10	6	4	6	1	2	4	4	4	3	
27/06/2020	151	0	3	0	0	1	2	19	9	22	15	19	16	14	16	15	0	0	0	0	0	0	0	0	0	0	
28/06/2020	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	
29/06/2020	225	0	0	0	0	0	5	17	21	11	15	12	24	23	23	14	14	4	8	5	4	2	7	5	6	5	
30/06/2020	222	0	4	1	0	1	8	18	23	17	11	19	22	16	19	14	7	6	8	4	2	1	6	6	5	4	