

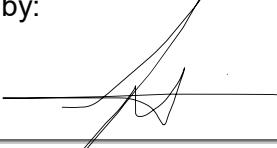
NOISE IMPACT STUDY – Project: 23153.00

**Watson Mount Forest Pit
Noise Impact Study
Mount Forest, Ontario**

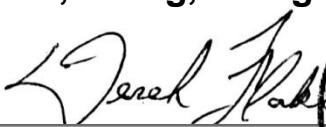
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Revision History

Version	Description	Author	Reviewed	Date
--	Initial Report	MH, KC	DF	January 11, 2024

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1 Introduction

Teeswater Concrete is applying for a Class A licence for the proposed Watson Mount Forest Pit located at Part Lot 19 and Lot 20, Concession 1, as well as Part Lot 46, Concession 2, Municipality of West Grey, Ontario. The proposed extraction area comprises approximately 105 HA.

Aercoustics Engineering Limited has been retained to prepare a Noise Impact Study (NIS) for the proposed pit to support the licence application. The purpose of this study is to provide noise control recommendations for the aggregate pit operations to satisfy the Ministry of the Environment, Conservation, and Parks (MECP) noise guidelines as well as the Municipality of West Grey Noise Control By-law No. 55-2016.

Sound level limits for the aggregate pit noise on the nearby noise-sensitive receptors were first established based on the noise guidelines of the MECP as outlined in the MECP guideline NPC-300 “*Stationary and Transportation Sources – Approval and Planning*” (August 2013). Where the predicted sound levels were found to exceed the applicable MECP sound level limits, noise control measures were recommended to satisfy these limits.

Figure 1 provides a key plan showing the proposed location of the aggregate pit. Figure 2 shows the site plan of the proposed aggregate pit, including the critical noise sensitive receptors. Noise control recommendations are provided in Appendix A and are illustrated in Figures 3 through 10.

2 Site Description

The proposed aggregate pit is located at Part Lot 19 and Lot 20, Concession 1, as well as Part Lot 46, Concession 2, Municipality of West Grey, Ontario. The site is bound by Highway 6 to the east and Grey Road 9 to the north. The surrounding land uses comprises of Rural and Natural Environment to the north, west, and south, Extractive Industrial to the west, and Agricultural to the east.

During Aercoustics’ site visit on September 11, 2023, ambient background sound levels were observed to be dominated by road traffic at locations along Highway 6 and, to a lesser extent, on Grey Road 9.

Figure 1 provides a key plan showing the location of the proposed Watson Pit and the surrounding area.

The existing single-family dwellings in the vicinity of the proposed pit are identified as Receptors R01 through R35. Vacant lots permitting the development of noise sensitive land uses are identified as VL36 through VL39. The location of each receptor is identified in Figure 2.

3 Noise Criteria

3.1 Acoustical Classification

The appropriate noise criteria for the receptors in the vicinity of the proposed Watson Pit were based on the MECP Noise Pollution Control document NPC-300.

Points of Reception R01 through R18 have an acoustical environment consistent with the Class 2 designation as defined in NPC-300. In a Class 2 area, the background sound levels during the daytime and evening are defined by man-made sounds, such as those from Highway 6 and Grey Road 9, with nighttime being dominated by natural sounds.

Points of Reception R19 through R35 have an acoustical environment consistent with the Class 3 (Rural) designation. In a Class 3 area, the background sound levels during the daytime, evening, and nighttime are dominated by natural sounds.

Receptors VL36 through VL39 are representative of vacant lots which permit the development of a noise sensitive land uses. The representative receptor locations have been selected in accordance with NPC-300 and in consideration of the build-pattern of existing dwellings nearby. Receptors VL36 has an acoustical environment consistent with the Class 2 designation, similar to Receptors R09 through R18. Receptors VL37 through VL39 have been assessed with a Class 3 acoustical classification as the impact from noise related to human activity is expected to be minimal with sound levels typically dominated by natural sounds.

3.2 MECP Sound Level Limits

The applicable limits for noise from a stationary source at a noise-sensitive point of reception (receptor) in a Class 2 (Semi-Urban) and Class 3 (Rural) area are outlined in Table 1.

Table 1: Noise Exclusion Limits – Class 2 and 3

Time of Day	Sound Level Exclusion Limit*	
	Class 2 Area	Class 3 Area
Day (07:00 to 19:00)	50 dBA	45 dBA
Evening (19:00 to 23:00)	50 dBA	40 dBA
Night (23:00 to 07:00)	45 dBA	40 dBA

*or the minimum existing hourly background sound level L_{eq} , whichever is higher

Per MECP guidelines, the applicable sound level limit is the higher of the exclusion limits included in Table 1 and the minimum hourly energy-equivalent sound level (L_{EQ}) due to existing sources of ambient noise, including road traffic.

At some points of reception in the vicinity of the proposed Watson Pit, the lowest background sound level is expected to be higher than the exclusion limits listed above.

Noise level calculations were performed in accordance with the MECP guidelines using the U.S. Department of Transportation's Traffic Noise Model (TNM) Version 2.5 within DataKustik's CadnaA environmental noise prediction software to establish predicted ambient noise levels in the vicinity of the noise-sensitive receptors.

Road traffic volumes for Highway 6 were based on an annual average daily traffic (AADT) volume of 6,350 provided by the Ontario Ministry of Transportation (MTO) input into an hourly road traffic distribution by the Institute of Transportation Engineers (ITE) to determine the hourly counts associated with the minimum noise impact during daytime and nighttime periods. The lowest nighttime hour assumed hourly distribution volumes between 06:00 and 07:00, which is the only nighttime hour during the proposed hours of operation.

Existing heavy truck traffic in the worst-case (lowest-volume) hourly period were assessed based on standard engineering assumptions of 3% of total traffic representing medium and heavy trucks with an assumed 50/50 heavy/medium ratio.

Sample calculations of the road traffic predictions are provided in Appendix B.

A summary of the applicable sound level limits used in this environmental noise impact study is provided in Table 2.

Table 2: Applicable Source Level Limits for Stationary Sources - hourly LAEQ

Receptor	Receptor Height (m)	Sound Level Limit (dBA)	
		Daytime (07:00 – 19:00)	Nighttime (06:00 – 07:00)
R01	4.5	50	45
R02	4.5	60	58
R03	4.5	57	55
R04	1.5	56	54
R05	1.5	50	48
R06	1.5	55	53
R07	4.5	54	52
R08	1.5	50	45
R09	1.5	50	45
R10	1.5	50	45
R11	1.5	50	45
R12	4.5	50	45
R13	1.5	50	45
R14	1.5	50	45
R15	4.5	50	45
R16	1.5	50	45

Receptor	Receptor Height (m)	Sound Level Limit (dBA)	
		Daytime (07:00 – 19:00)	Nighttime (06:00 – 07:00)
R17	1.5	50	45
R18	1.5	50	45
R19	4.5	45	40
R20	1.5	45	40
R21	4.5	45	40
R22	4.5	45	40
R23	1.5	45	40
R24	1.5	45	40
R25	4.5	45	40
R26	1.5	45	40
R27	1.5	45	40
R28	4.5	45	40
R29	4.5	45	40
R30	4.5	45	40
R31	4.5	45	40
R32	4.5	45	40
R33	1.5	45	40
R34	4.5	45	40
R35	4.5	45	40
VL36	4.5	50	45
VL37	4.5	45	40
VL38	4.5	45	40
VL39	4.5	45	40

The noise from a stationary source should not exceed these limits during any one-hour period.

3.3 Vacant Lot Receptors

The MECP requires consideration of vacant lots which are zoned to allow sensitive uses. There are several vacant rurally zoned lots surrounding the proposed pit which permit the construction of a dwelling. Representative receptors have been included in the assessment and placed according to NPC-300. These vacant lot receptors are designated by receptors VL36 through VL39 as illustrated in Figure 2.

There are no other vacant lots permitting sensitive uses that are situated more closely to the site than existing receptors; a demonstration of compliance with the sound level limits at nearby receptors is an indication of compliance at those situated further from the site.

4 Aggregate Pit Operations

The site plans for the proposed Watson Pit outline the phases of extraction as well as the direction of operations in each phase. The proposed pit operations generally comprise the following:

- Site preparation and rehabilitation
- Extraction and processing; and
- Shipment off-site.

4.1 Hours of Operation

The proposed hours of operation are as summarized below in Table 3.

Table 3: Operating Hours of Proposed Watson Pit

Day of Week	Time of Day	Operations
Monday to Friday	06:00 – 07:00	Loading & Shipping only
	07:00 – 19:00	Full Operation – Extraction, Processing, Loading & Shipping

At no time shall extraction, processing, or shipping take place on a statutory holiday. Equipment maintenance may take place outside of these normal operating hours.

4.2 Site Preparation and Rehabilitation

Site preparation includes the construction of berms and visual screens specified on the site plan. Topsoil and overburden will be removed. This work will be done primarily with bulldozers, scrapers, trucks, loaders, and excavators. Rehabilitation phases will involve similar equipment in establishing the final grade of the site.

The site preparation and rehabilitation work described above is not part of the daily operation of the pit and are of short duration. These construction activities are not considered in the noise control analysis. The equipment used for these activities must satisfy the noise emission requirements of the MECP document NPC-115 “Construction Equipment”. By defining a maximum permissible noise emission for construction equipment, rather than directly limiting the noise impact at a sensitive point of reception, the MECP recognizes that construction is a temporary and largely unavoidable source of noise.

The Municipality of West Grey Noise Control By-law No. 55-2016 includes restrictions on the times during which construction activities may occur; construction is prohibited between 23:00 and 06:00. This municipal noise by-law may not apply to a provincially licensed site such as the proposed pit.

In order to minimize the noise impact associated with the construction activities, it is suggested that operations should be restricted to the daytime hours. When possible, site

preparation should be conducted during the fall, winter, or spring months when there is a reduced level of extraction and when residential windows are more likely to remain closed.

4.3 Extraction, Processing, and Transport

The maximum annual tonnage to be removed from the proposed Watson Pit is 750,000 tonnes per year. The worst-case noise impact scenarios were evaluated based on the operation of the processing plant operating simultaneously with extraction operations, except where otherwise noted in the applicable noise controls.

Aggregate material will be extracted using two extraction loaders at the working face. Material will be transported into a mobile crusher (Portable Plant) by extraction equipment for initial processing. The Portable Plant will follow the working face in the direction of extraction. This processed material will then be transported by conveyor to a secondary Central Processing Plant located at the pit floor in a designated processing area within the Phase 1B lands. Processed materials will be stored in stockpiles in the vicinity of the processing area or in the form of temporary storage berms as noted on the operation plan. Two shipping loaders will be used in the Processing Area to load highway trucks with finished aggregate product for transport to market.

4.4 Equipment

The extraction, processing, and shipment equipment operating in the proposed pit is limited to:

- Two Extraction Loaders
- One Portable Plant
- Conveyors
- One Central Processing Plant
- Two Shipping Loaders
- 15 Highway truck trips/hr (30 passes/hr)

A single processing plant may consist of multiple pieces of equipment for purposes such as crushing, screening, and washing. Since the noise predictions considered a single worst-case location for all the plant equipment, the distribution of the plant equipment is permitted at various locations. However, the combined sum sound power from all equipment locations must be less than or equal to the permitted sound power for the Processing Plant, and any local noise controls specific to the Processing Plant shall apply at each location.

5 Noise Predictions and Controls

5.1 Noise Prediction Methodology

The proposed aggregate pit operations, as described above, have been modelled using DataKustik's CadnaA environmental noise prediction software. This modelling is based on

established noise prediction methods outlined in the ISO 9613-2 standard entitled “Acoustics – Attenuation of sound during propagation outdoors – Part 2: General method and calculation”.

The noise predictions are based on the predictable worst-case noise impact for each of the aggregate pit operation areas at each noise-sensitive receptor. This represents a design case where the pit is operating at full capacity with all of the permitted equipment operating simultaneously and at locations where the noise impact is highest for each receptor. It is expected that a majority of the pit operations would occur in other areas of the site, resulting in lower associated noise impacts.

Noise levels were predicted using existing topography under conditions of downwind propagation, generally with hard ground modelled in the pit area and soft ground conditions elsewhere. Appendix C contains sample stationary noise source calculations.

Where noise predictions have indicated the potential of exceedance of the applicable sound level limits, noise control measures have been established to satisfy these limits.

5.2 Aggregate Pit Noise Sources

The reference sound levels used for the aggregate pit equipment are outlined in Table 4. The assumed sound levels for the pit equipment were based on Aeroustics' measurements of similar equipment at other aggregate operations.

Table 4: Reference Sound Pressure Levels of Aggregate Pit Equipment

Equipment	Reference Sound Pressure Level at 30 m (dBA)
Central Plant	85
Shipping Loader	67 ¹
Portable Plant	81
Extraction Loader	70
Small Extraction Loader	67
Conveyors	44 ²
Highway Truck – 25 km/hr	66

1 – The shipment loaders were assumed to operate at a 50% duty cycle

2 – Reference sound level for conveyors is in dBA per metre at a distance of 30 m

5.3 Recommended Noise Controls

The recommended noise controls presented in this section and in Appendix A have been determined, through noise impact predictions, to be effective in limiting the noise impact from the aggregate pit activities to levels which comply with the MECP sound level limits. It should be noted that there may be other effective noise controls that could replace or revise those put forth in this report. Prior to the implementation of any changes to the noise

controls, appropriate studies should be undertaken to demonstrate that the MECP Sound level limits will be satisfied.

No additional noise controls are required to address potential future dwellings on vacant lots.

An acoustic barrier is required to be solid, with no gaps or openings, and shall satisfy a minimum area density of 20 kg/m². Such a barrier may take the form of a pit face, stockpile, acoustic fence, ISO containers, some combination of these, or any other construction satisfying the requirements of an acoustic barrier.

Refer to Figures 3 to 10 for requirements in Phases 1 through 6. These requirements include an illustration of the timing and implementation of noise controls such as local processing plant acoustical barriers as well as perimeter barriers. Refer to Appendix A for a comprehensive summary of the recommended noise controls for the proposed Watson Pit.

5.4 Predicted Sound Levels with Controls

The predictable worst-case noise impacts during operations in Phases 1 through 6 are associated with simultaneous processing and extraction in proximity worst-case receptors. These worst-case operating scenarios are illustrated in Figures 3 through 10 and the corresponding impacts are summarized in Table 5 below.

Table 5: Watson Pit - Worst Case Predicted Sound Levels and Criteria - Hourly L_{AEQ} (dBA)

Receptor	Extraction, Processing, and Shipping Operations (07:00 – 19:00)		Shipping Operations (06:00 – 07:00)	
	Daytime Sound Level Limit	Maximum Predicted Sound Level	Nighttime Sound Level Limit	Maximum Predicted Sound Level
R01	50	49	45	35
R02	60	51	58	40
R03	57	50	55	39
R04	56	49	54	38
R05	50	50	48	39
R06	55	54	53	42
R07	54	48	52	34
R08	50	48	45	35
R09	50	50	45	38
R10	50	49	45	38
R11	50	49	45	37
R12	50	49	45	36

Receptor	Extraction, Processing, and Shipping Operations (07:00 – 19:00)		Shipping Operations (06:00 – 07:00)	
	Daytime Sound Level Limit	Maximum Predicted Sound Level	Nighttime Sound Level Limit	Maximum Predicted Sound Level
R13	50	48	45	36
R14	50	42	45	29
R15	50	43	45	30
R16	50	41	45	29
R17	50	40	45	28
R18	50	39	45	27
R19	45	41	40	28
R20	45	39	40	28
R21	45	38	40	27
R22	45	38	40	27
R23	45	36	40	26
R24	45	35	40	26
R25	45	39	40	28
R26	45	37	40	27
R27	45	38	40	27
R28	45	43	40	30
R29	45	44	40	31
R30	45	43	40	31
R31	45	43	40	32
R32	45	45	40	33
R33	45	43	40	31
R34	45	45	40	32
R35	45	45	40	32
VL36	50	50	45	43
VL37	45	39	40	28
VL38	45	39	40	28
VL39	45	45	40	33

6 Truck Traffic Noise on Haul Route

The noise impact of truck traffic on public roadways is not addressed in the MECP noise guidelines. However, the MECP requires consideration of noise impact in choosing the off-property haul route. Further, the MECP document titled, "Noise Guidelines for Landfill

Sites”, dated October 1998, provides general guidelines for evaluating the noise impact of truck traffic associated with external haul routes.

The following section considers these guidelines to qualitatively assess the increase in noise on dwellings along the proposed Watson Pit haul route associated with additional truck traffic. Future truck volumes for assessment of the proposed haul route were based on a Transportation Impact Study (TIS) prepared by Paradigm Transportation Solutions Ltd. and dated December 2023.

The aggregate from the pit will be shipped via the site entrance onto Grey Road 9. The peak one-hour truck traffic from the pit will be approximately 20 trucks (10 in / 10 out). Per the TIS, 90% of these trucks will proceed east towards Highway 6, where 67% of these trucks will travel south on Highway 6 and 33% will travel north. The remaining 10% of trucks leaving the pit will travel west on Grey Road 9. Average hourly haul truck volumes are predicted to be half of the peak one-hour volumes.

Noise level calculations were performed in accordance with the MECP guidelines and using the U.S. Department of Transportation’s Traffic Noise Model (TNM) Version 2.5 within DataKustik’s CadnaA environmental noise prediction software.

Representative receptor locations were selected for sections of Grey Road 9 to the east and west of the pit entrance, as well as locations along Highway 6 to the north and south of the pit. These are located approximately 30 m away from the roadways; as the predicted noise level increases are relative changes in the overall road traffic sound level, all points of reception along the respective roadway will perceive the same relative increase in noise level.

6.1 Existing Noise Environment

The worst-case predicted increase in truck traffic noise consists of peak haul truck traffic during an hour with the lowest existing road traffic.

Road traffic volumes for Highway 6 were based on an annual average daily traffic (AADT) volume of 6350 from the Ontario Ministry of Transportation (MTO). The annual average daily traffic used for Grey Road 9 was based on a standard assumption that the AADT corresponds to ten times the higher of the AM or PM peak traffic volumes included in the TIS. An hourly road traffic distribution by the Institute of Transportation Engineers (ITE) was used to determine the minimum hourly traffic volumes for the daytime and nighttime¹ periods.

All traffic volumes include traffic traveling in both directions on the roadway.

¹ The 06:00 to 07:00 early morning shipping hour is considered nighttime per MECP guidelines.

Medium and heavy truck percentages for Highway 6 and Grey Road 9 were based on assumptions of 3% of total traffic representing medium and heavy trucks, with a 50/50 distribution of heavy and medium vehicles within that percentage.

The existing hourly road traffic volumes are summarized in Table 6 and illustrated in Appendix B.

Table 6: Traffic Volumes for Baseline Traffic Conditions

	Highway 6	Grey Road 9
24-hour Volumes (AADT)	6,350	930
Early Morning		
Vehicles per Hour	185	26
Percentage of Trucks (%)	3%	3%
Medium/Heavy Split (%)	50 / 50	50 / 50
Daytime		
Vehicles per Hour	312	48
Percentage of Trucks (%)	3%	3%
Medium/Heavy Split (%)	50 / 50	50 / 50

6.2 Noise Impact of Truck Traffic on Haul Route

The change in noise at the dwellings along the proposed haul route has been evaluated by comparing typical truck volumes from the pit with the existing lowest one-hour traffic counts.

A second scenario was also assessed based on the peak truck volumes from the pit and the same existing traffic conditions. These results are presented in Table 7 and illustrated in Appendix B Figures B2 and B3.

Table 7: Maximum Changes in Sound Level on Haul Route

Roadway	Predicted Increase in Noise Impact from Haul Truck Traffic		
	Period	Average	Worst-Case
Grey Rd 9 (west)	Early Morning	1 dB	2 dB
	Daytime	1 dB	2 dB
Hwy 6 (north)	Early Morning	1 dB	1 dB
	Daytime	0 dB	1 dB
Hwy 6 (south)	Early Morning	1 dB	2 dB
	Daytime	1 dB	1 dB

Dwellings along Grey Road 9, west of the pit, are expected to experience an average increase in road noise of 1 dB with a worst-case increase of up to 2 dB, which is considered insignificant by the MECP.

Dwellings along Highway 6, both north and south of the site, are expected to experience an average increase in road noise of up to 1 dB with a worst-case increase of up to 2 dB, which is considered insignificant by the MECP.

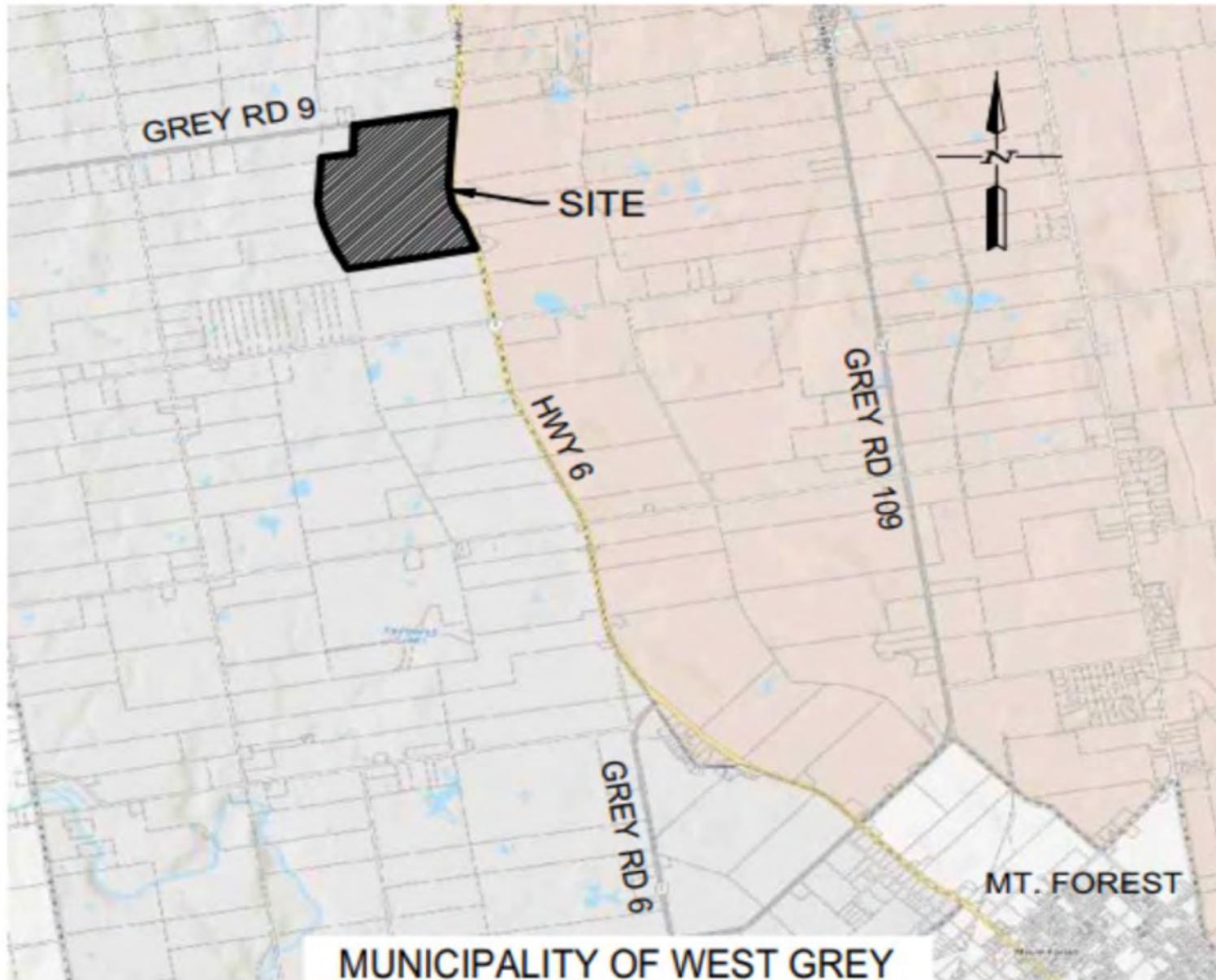
Based on a review of the noise impacts associated with future haul truck traffic, the proposed haul route can be considered the preferred option.

7 Conclusion

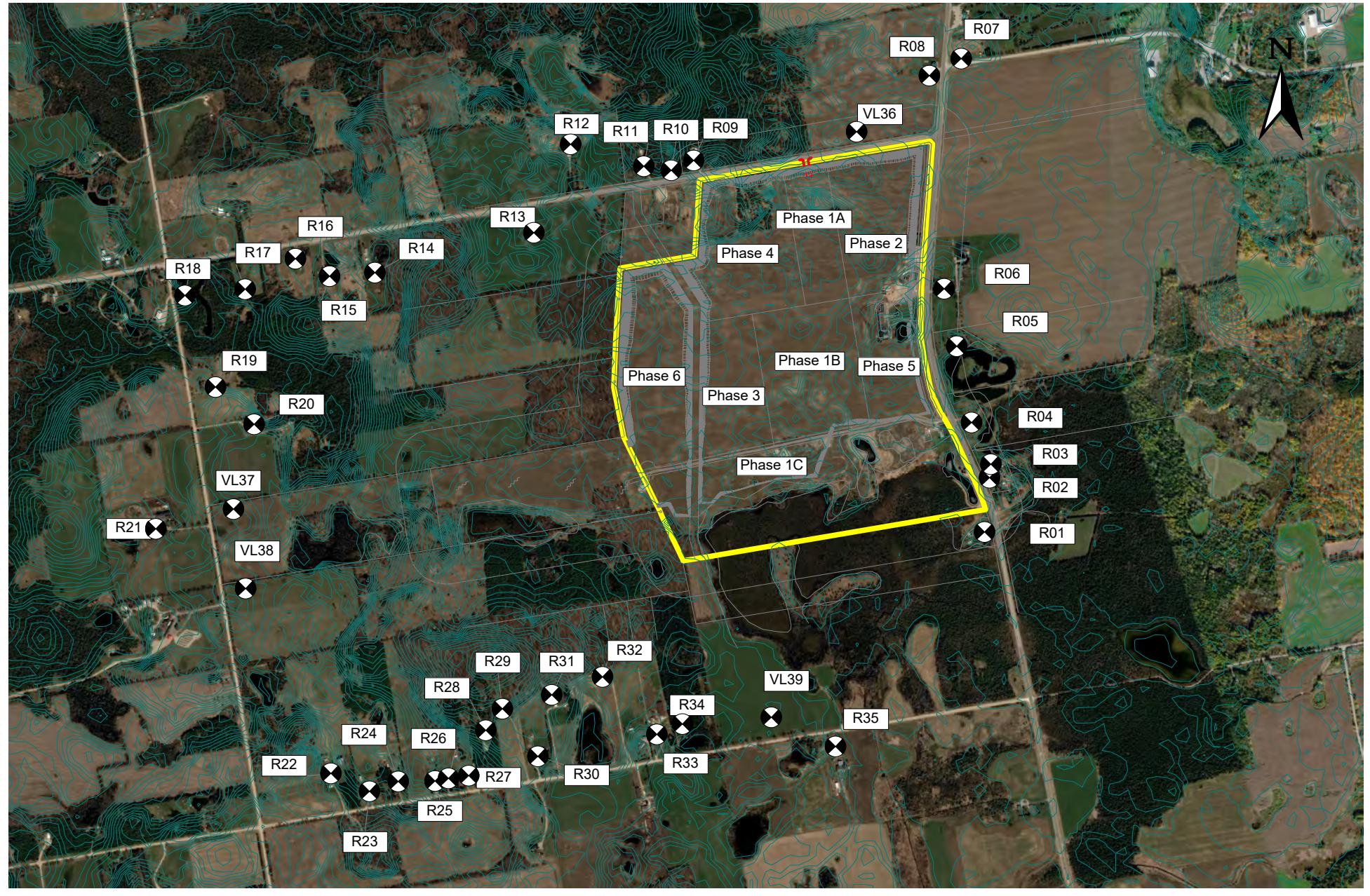
Aercoustics has conducted a noise impact study for the proposed Watson Pit. The purpose of this noise impact study was to provide noise control recommendations for the pit operations to satisfy the MECP noise guidelines. Figure 2 provides a site plan outlining the aggregate pit areas and the locations of nearby receptors.

Sound level limits were developed based on the MECP noise guidelines. Calculations were then carried out to determine the worst-case noise impact for each phase of the aggregate pit operation at each noise-sensitive receptor. Where noise predictions indicated the potential of exceedance of the MECP sound level limits, noise control recommendations were provided.

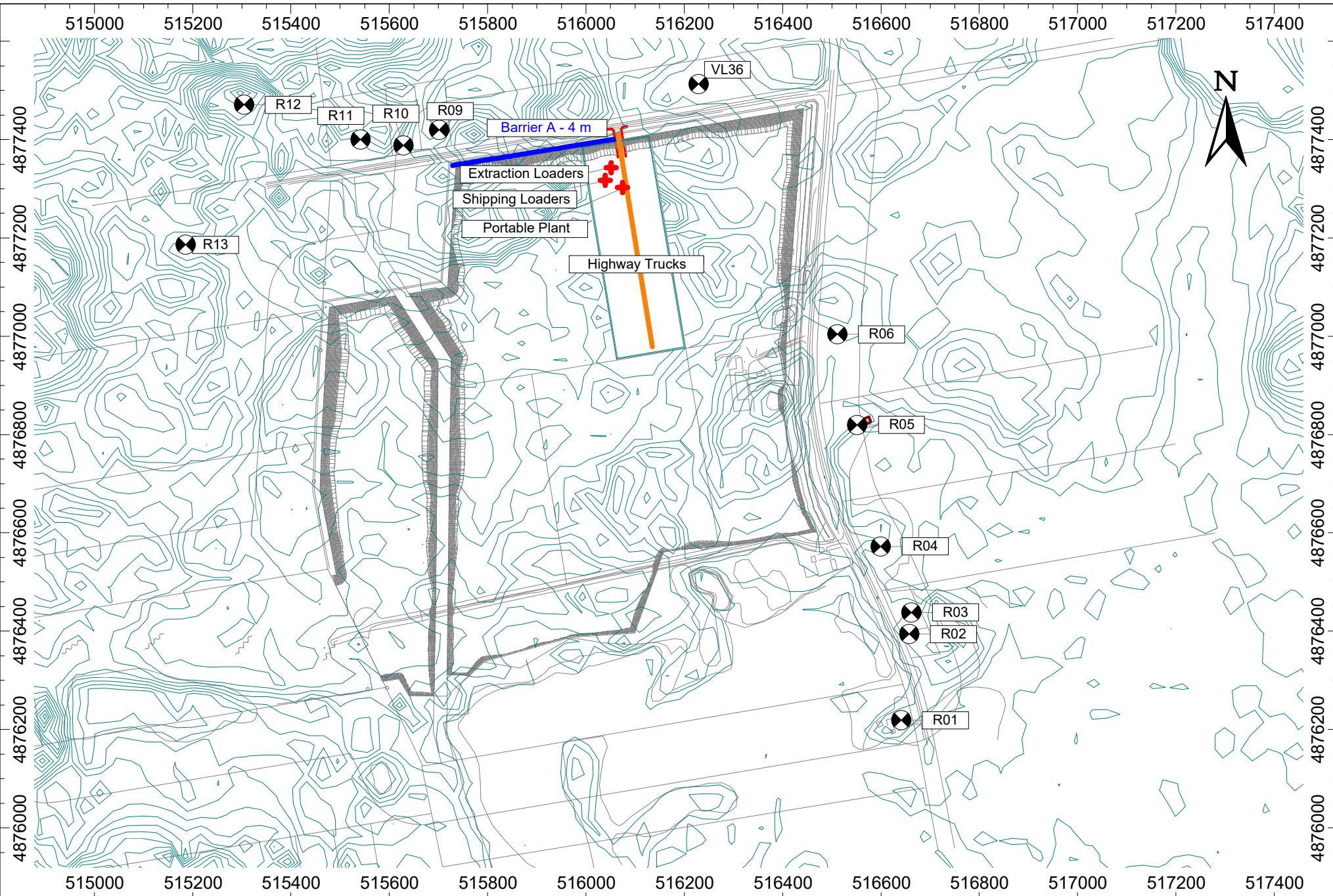
With the implementation of the recommended noise controls, the proposed aggregate pit operation is predicted to satisfy the MECP noise guidelines



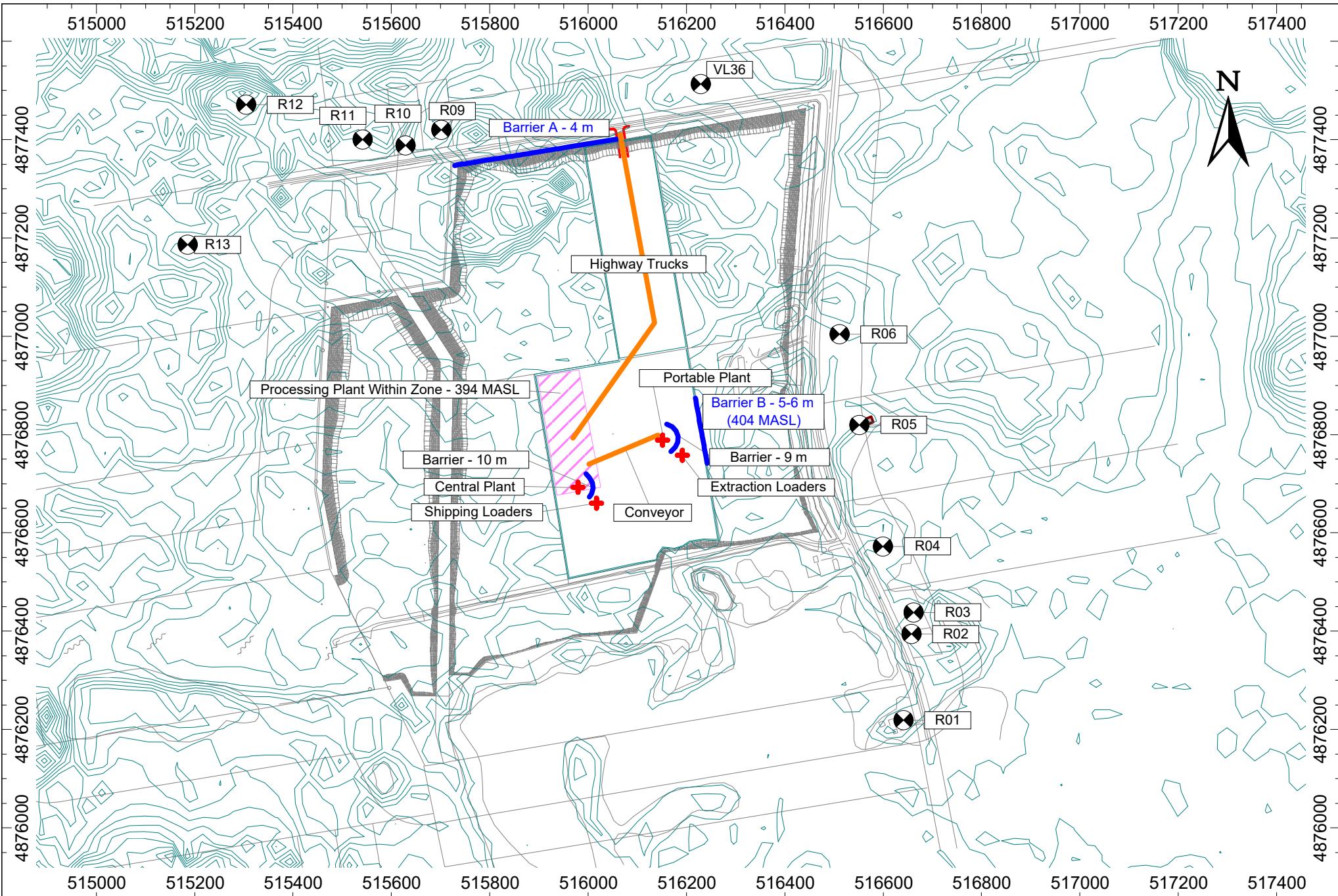
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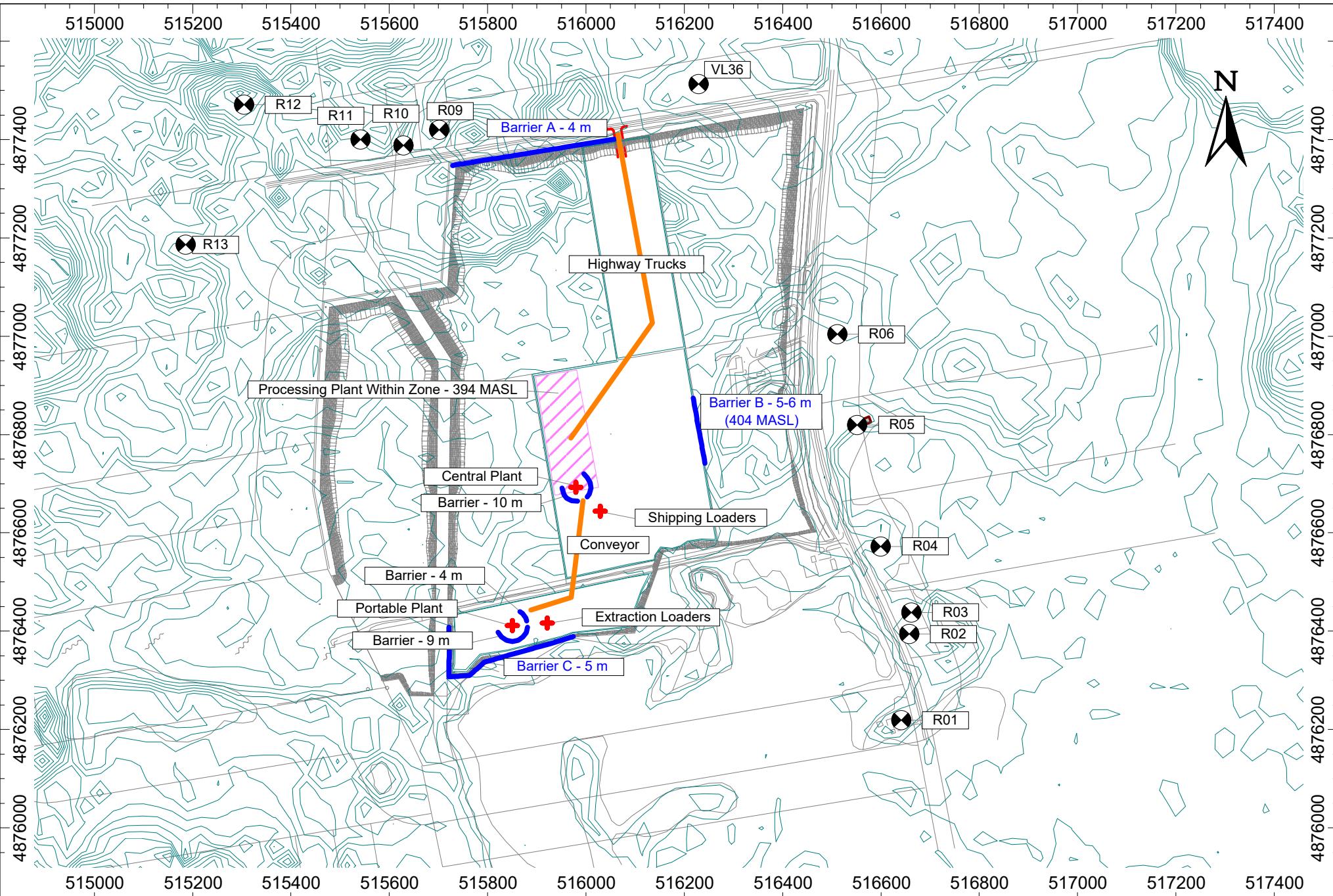
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	Figure Title	Site Aerial showing Location of Noise Sensitive Receptors
		Figure 2

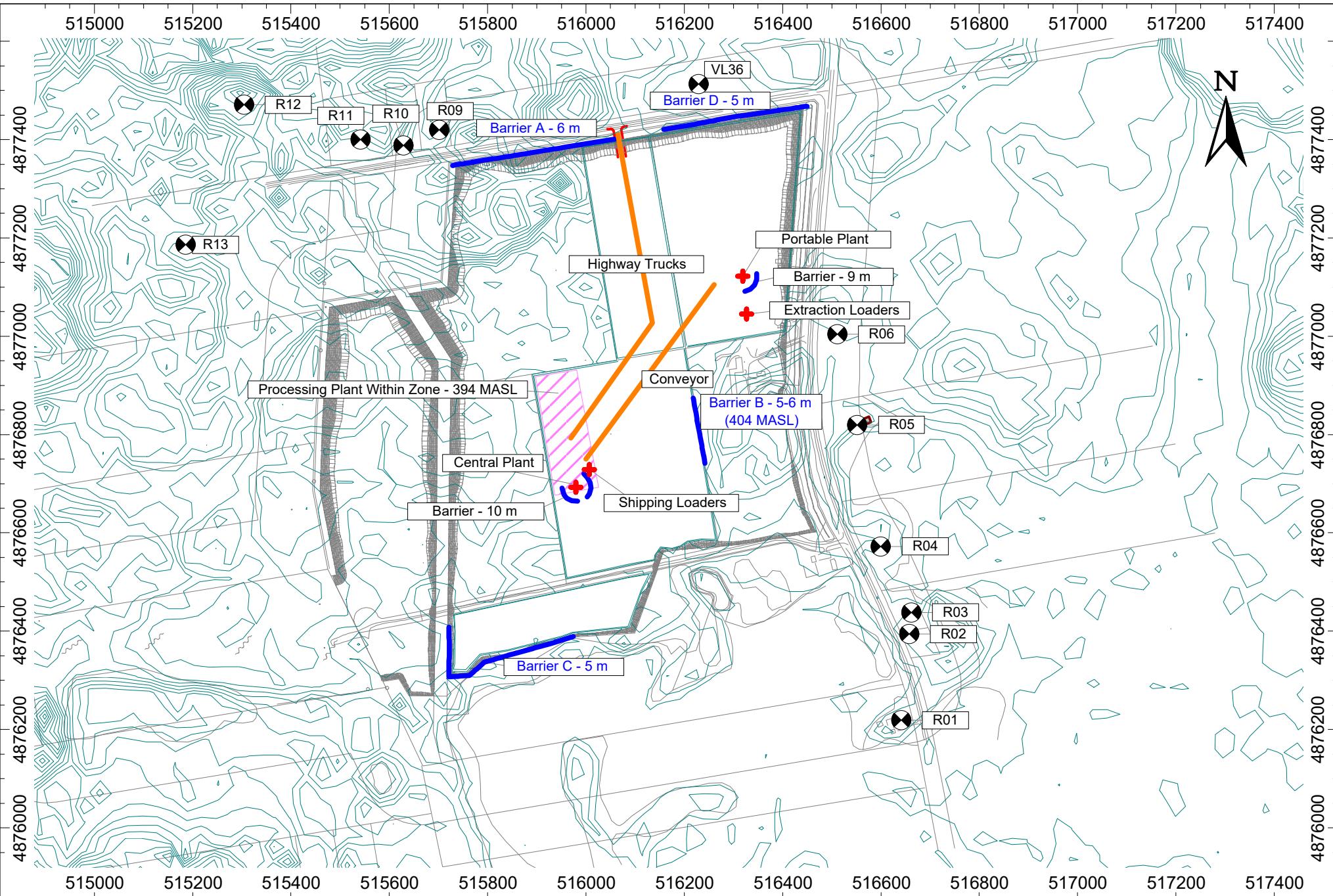


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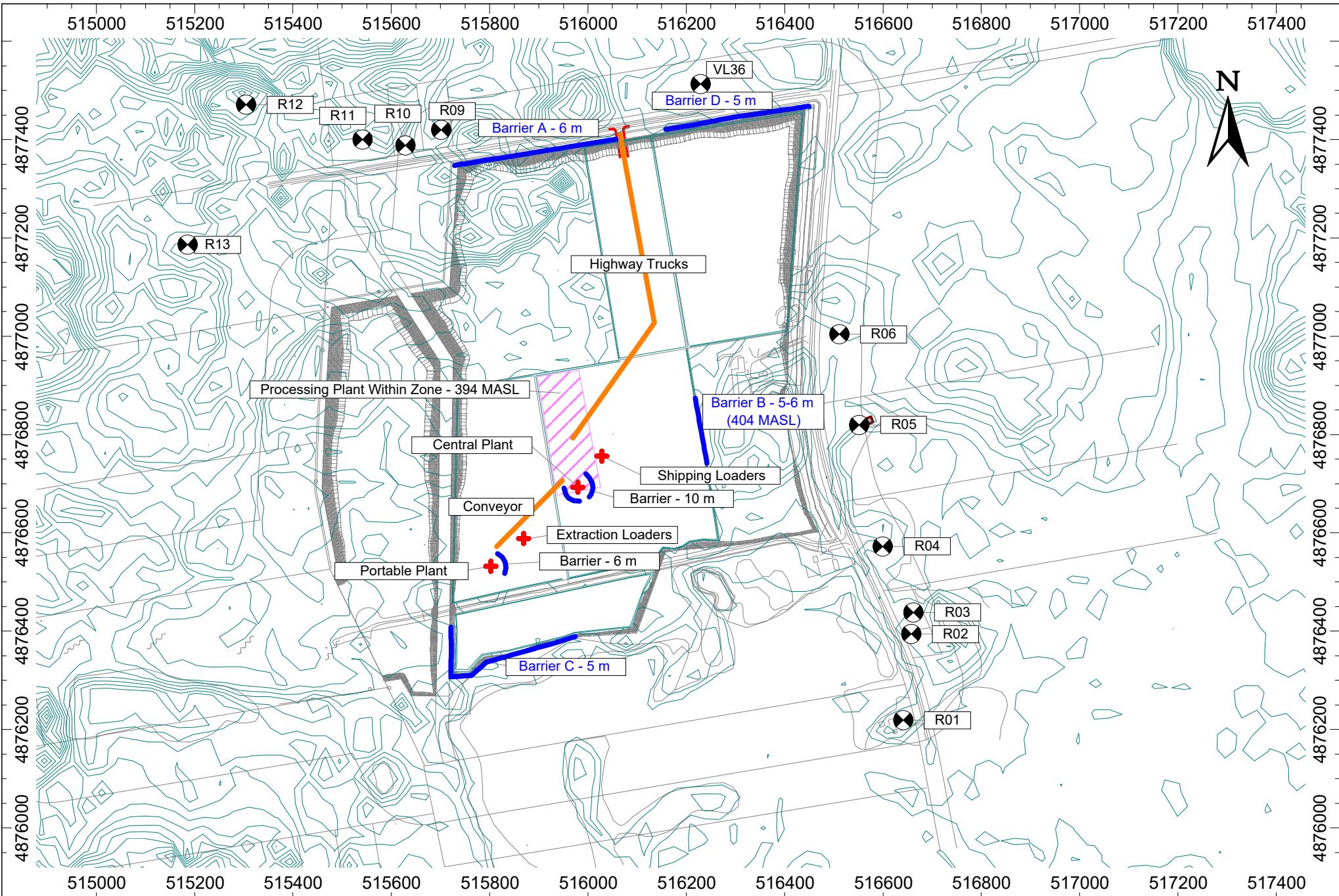
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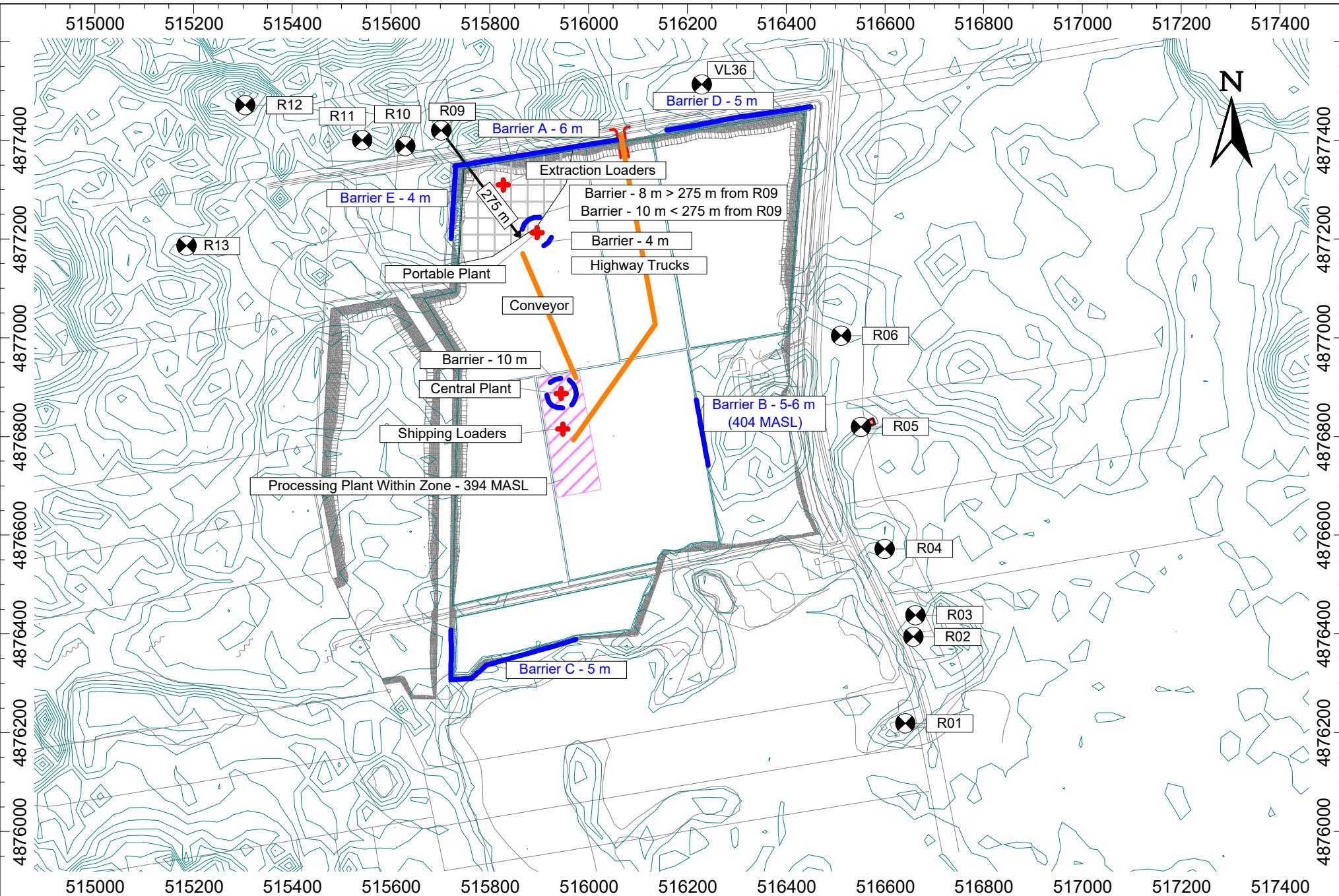
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	Reviewed by: KC		
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Figure 6

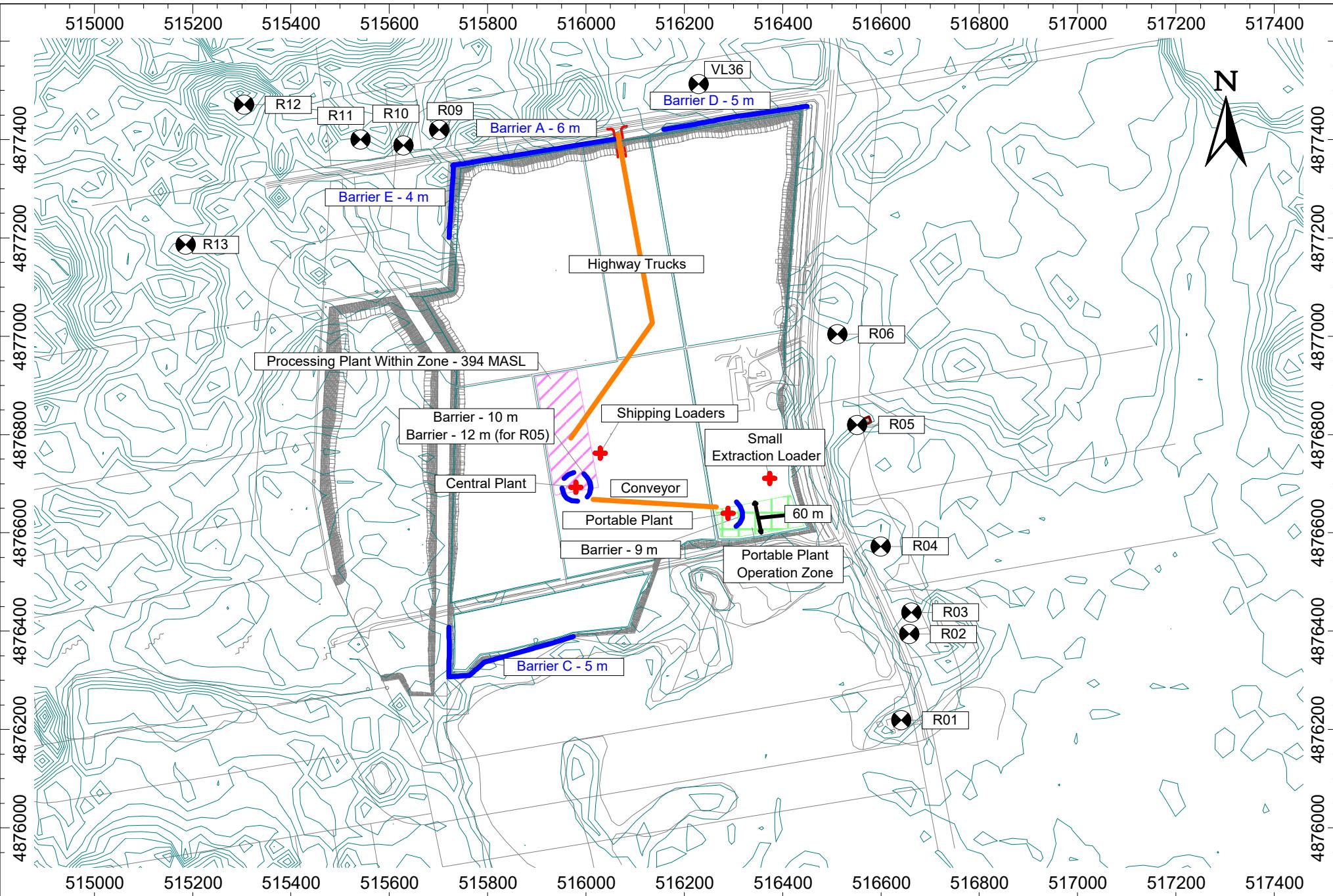


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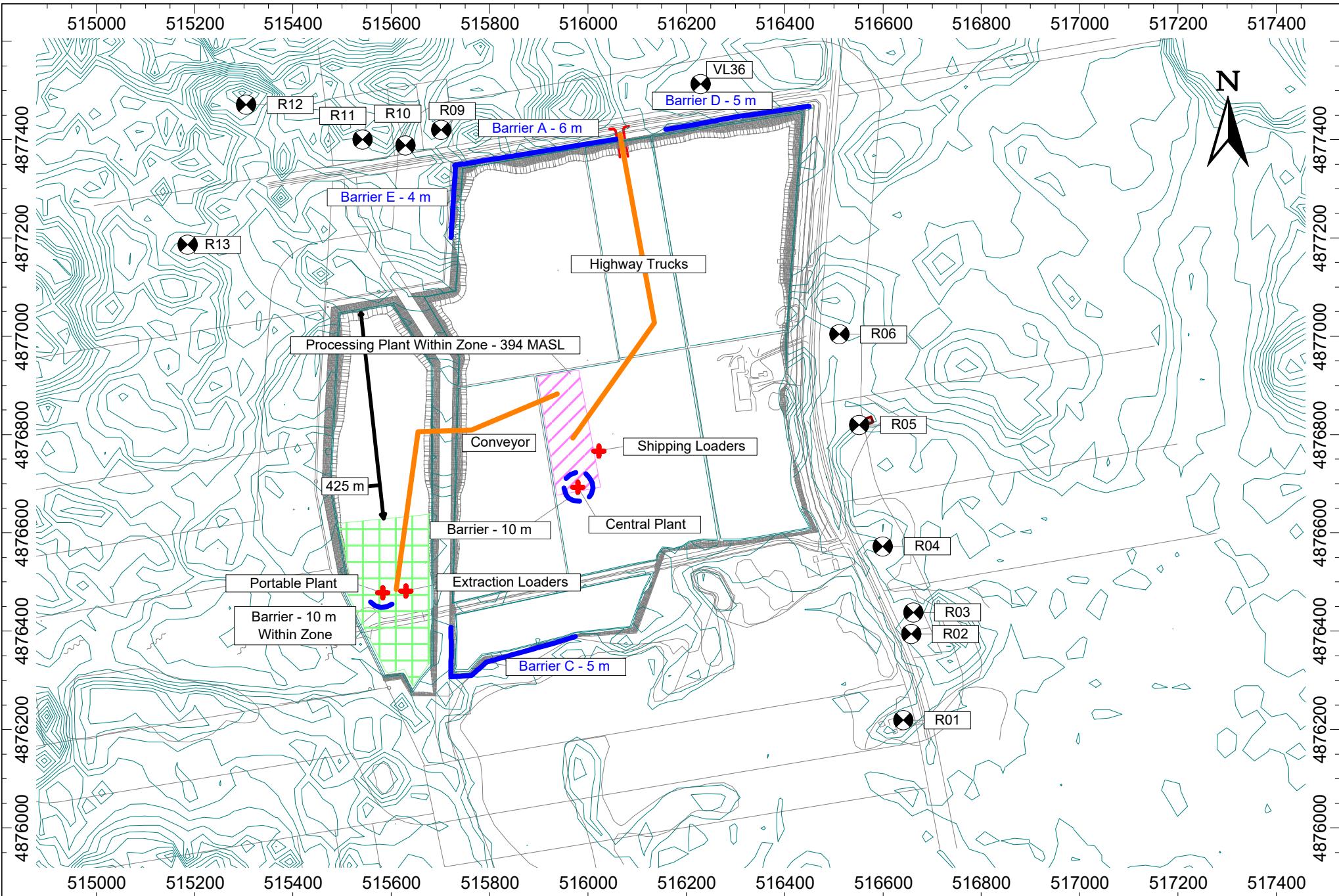
Figure 7



 aercoustics	Project ID: 23153.00	Project Name
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	Figure Title	Noise Control Implementation - Phase 4
		Figure 8



 aercoustics	Project ID: 23153.00	Project Name
	Scale: As Indicated	Watson Pit - NIS
	Drawn by: MH	
	Reviewed by: KC	
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Revision: 1		Noise Control Implementation - Phase 5
		Figure 9



	Project ID: 23153.00	Project Name	Watson Pit - NIS	Figure Title	Noise Control Implementation - Phase 6	Figure 10
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Appendix A

Noise Control Recommendations

General:

1. The proposed hours of extraction and processing shall be limited to the daytime hours only (07:00 to 19:00), with shipping operations limited to the hours of 06:00 to 19:00.
2. The extraction, processing, and shipping equipment operating in the pit shall be limited to:
 - Two Extraction Loaders
 - One Portable Plant
 - Conveyors
 - One Central Processing Plant
 - Two Shipping Loaders
 - 15 Highway truck trips/hr (30 passes/hr)
3. The aggregate pit equipment shall satisfy the noise emission levels listed in Table A-1.

Table A-1: Reference Sound Pressure Levels of Aggregate Pit Equipment

Equipment	Reference Sound Pressure Level at 30 m (dBA)
Central Plant	85
Shipping Loader	67 ¹
Portable Plant	81
Extraction Loader	70
Small Extraction Loader	67
Conveyors	44 ²
Highway Truck – 25 km/hr	66

1 – The shipment loaders were assumed to operate at a 50% duty cycle

2 – Reference sound level for conveyors is in dBA per metre at a distance of 30 m

4. The sound emissions of all construction equipment involved in site preparation and rehabilitation activities shall comply with the sound level limits specified in the MECP publication NPC-115 “Construction Equipment”.
5. New equipment technology or different configurations may allow proposed changes to any portion of the extraction and processing operations including additional equipment to operate on the site, equipment to be substituted, and/or different berm heights, while still meeting the applicable sound level limits. Changes may be permitted to the site operations and noise controls provided that the changes still meet the sound level limits, as confirmed through documentation prepared by a Professional Engineer specializing in noise control. Prior to any

modification, the licensee shall confirm with MNRF whether a site plan amendment is required to permit those proposed changes.

6. An acoustic barrier is required to be solid, with no gaps or opening, and shall satisfy a minimum area density of 20 kg/m². It could take the form of a pit face, stockpile, acoustic fence, ISO containers, a combination of these, or any construction satisfying the requirements of an acoustic barrier.
7. Extraction shall be carried out in a single lift generally in the directions specified on the Operation Plan.
8. Extraction and Processing equipment shall operate at the pit floor elevation in each phase.
9. Prior to operation of the Central Plant, the plant shall be located in the processing area as designated on the Operation Plan at a pit floor elevation 394 MASL and shall remain in this area for Phases 1B through 6.
10. When the Portable Plant is operating in certain areas, an acoustical barrier shall be established within 30 m of the Portable Plant, between the Portable Plant and receptors as detailed in Table A-2.

Table A-2: Portable Processing Plant Local Shielding Requirements

Plant within Phase	Portable Plant Location in Phase	Minimum Barrier Height	Shielded Receptors
1b	Entire area	9 m	R01 through R06
1c	Entire area	9 m	R01
	Entire area	9 m	R32 through R35
	Entire area	4 m	R05
2	Entire area	9 m	R05, R06
3	Entire area	6 m	R05
4	Entire area	4 m	R05
	more than 275 m from R09	8 m	R09 through R11
	less than 275 m from R09	10 m	R09 through R11
5	Entire area	9 m	R01 through R06
6	more than 425 m from north Extent	10 m	R32 through R34

11. When the Central Plant is operating, an acoustical barrier shall be established within 30 m of the Central Plant, between the Central Plant and receptors as detailed in Table A-38.

Table A-38: Central Processing Plant Local Shielding Requirements

Extraction in Phase	Minimum Barrier Height	Shielded Receptors
1b, 1c, 2, 3, 4, 5, 6	10 m	R01 through R06
1c, 2, 3, 4, 5, 6	10 m	R32 through R34
4, 5, 6	10 m	R09 through R11
5	12 m	R05

Phase 1A:

12. Prior to extraction in Phase 1A, an acoustical barrier shall be established along the northern licence boundary with a minimum height of 4 m relative to the existing grade and an approximate length of 330 m, as shown on the Operation Plan (Barrier A). This barrier shall remain in place for the duration of extraction and processing operations within the pit.

13. The Central Plant shall be prohibited from operating in the Phase 1A area.

Phase 1B:

14. Prior to extraction in Phase 1B, an acoustical barrier with a minimum height of 404 MASL and a length of approximately 140 m shall be established along a portion of the western extent of the Phase 5 area as shown on the Operation Plan (Barrier B). This barrier shall remain in place until extraction commences in Phase 5.

Phase 1C:

15. Prior to extraction in Phase 1C, an acoustical barrier with a minimum height of 5 m relative to the existing grade shall be established on the western and southern boundary of Phase 1C with an approximate length of 325 m as shown on the Operation Plan (Barrier C). This barrier shall remain in place for the duration of extraction and processing operations in the pit.

16. Prior to extraction within Phase 1C, an acoustical barrier with a minimum height of 10 m shall be located within 30 m of the Central Plant, between the plant and Receptors R32 through R34. This barrier arrangement shall be maintained during extraction of all subsequent phases.

Phase 2:

17. Prior to extraction in Phase 2, the height of Barrier A shall be increased by 2 m to a height of 6 m across the full length of Barrier A as shown on the Operation Plan.

18. Prior to extraction in Phase 2, an acoustical barrier with a minimum height of 5 m above the existing grade and an approximate length of 300 m shall be established along the

northern extent of the Phase 2 area as shown on the Operation Plan (Barrier D). This barrier shall remain in place until extraction commences in Phase 6.

Phase 3:

No phase-specific noise controls are required during extraction in Phase 3 other than those specified in Tables A-2 and A-3.

Phase 4:

19. Prior to extraction in the Phase 4 area, an acoustical barrier with a minimum height of 4 m relative to existing grade shall be established along the western extent of Phase 4, extending southward with an approximate length of 150 m as shown on the Operation Plan (Barrier E). This barrier shall remain in place for the duration of extraction and processing operations in the pit.

Phase 5:

20. Extraction in Phase 5 shall be limited to a single Small Extraction Loader, having a maximum noise emission corresponding to a sound pressure level of 67 dBA at 30 m.
21. During extraction in Phase 5, the Portable Processing Plant shall operate within 60 m from the southern Phase 5 extraction limit.

Phase 6:

No phase-specific noise controls are required during extraction in Phase 6 other than those specified in Tables A-2 and A-3.

Noise Controls for Vacant Lot Receptors

22. If a building permit for a noise-sensitive land use is granted for the lands represented by Vacant Lot Receptor VL36, the following noise controls shall apply during extraction and processing of all operational phases:
 - I. Barrier D shall be implemented as soon as practicable with a minimum height of 7 m above the relative grade and shall be extended westward to abut the site entrance.
 - II. A local barrier with a minimum height of 9 m shall be established within 30 m of the Portable Plant, between the Portable Plant and Receptor VL36.
 - III. A local barrier with a minimum height of 10 m shall be established within 30 m of the Central Plant, between the Central Plant and Receptor VL36.

23. If a building permit for a noise-sensitive land use is granted for the lands represented by Vacant Lot Receptor VL39, all noise control items which apply to Receptor R34 shall also apply to VL39.

Appendix B

Road Traffic Data & Sample Calculations

Highway	Location Description From	Location Description To	Dist. (KM)	2019 AADT
6	HWY 6/7273 (OLD HWY 6)	WHITE CHURCH RD UP	0.9	23300
6	WHITE CHURCH RD UP	AIRPORT RD CONNECTION (HWY 7274)	1.1	9650
6	AIRPORT RD CONNECTION (HWY 7274)	BUTTER RD UP	2.8	10200
6	BUTTER RD UP	BOOK RD	2.0	14600
6	BOOK RD	LINC. AX PKY/ ROUSSEAU ST IC	2.7	17400
6	LINC. AX PKY/ ROUSSEAU ST IC	E JCT HWY 403 IC	12.8	
6	E JCT HWY 403 IC	PLAINS RD (E) NORTHCLIFFE AV (W)	0.7	51400
6	PLAINS RD (E) NORTHCLIFFE AV (W)	HWY 5 CLAPPISON'S CORS	2.3	52600
6	HWY 5 CLAPPISON'S CORS	MILLGROVE RD (W)	3.9	37400
6	MILLGROVE RD (W)	CARLISLE RD (E)	6.1	40100
6	CARLISLE RD (E)	HAMILTON RD 597 (W)	3.1	35200
6	HAMILTON RD 597 (W)	PUSLINCH TOWNLINE RD (E)	5.2	29700
6	PUSLINCH TOWNLINE RD (E)	WELLINGTON RD 36 (E) CALFASS RD (W)	3.7	28600
6	WELLINGTON RD 36 (E) CALFASS RD (W)	E JCT HWY 401 IC299	0.9	22900
6	E JCT HWY 401 IC299	W JCT HWY 401 M/C FRWY IC	4.4	
6	W JCT HWY 401 M/C FRWY IC	LAIRD RD IC	5.7	28500
6	LAIRD RD IC	DOWNEY RD (W) KORTRIGHT RD (E)	2.5	35400
6	DOWNEY RD (W) KORTRIGHT RD (E)	COLLEGE AV	1.9	38100
6	COLLEGE AV	S JCT HWY 7 WELLINGTON ST IC	1.6	43900
6	S JCT HWY 7 WELLINGTON ST IC	WILLOW RD	1.8	36900
6	WILLOW RD	SPEEDVALE AV	0.9	28600
6	SPEEDVALE AV	N JCT HWY 7 WOODLAWN RD START OF NA	1.0	19500
6	N JCT HWY 7 WOODLAWN RD START OF NA	GUELPH N LTS END OF NA	2.5	
6	GUELPH N LTS END OF NA	WELLINGTON RD 7 ELORA RD	4.0	18400
6	WELLINGTON RD 7 ELORA RD	WELLINGTON RD 38 VICTORIA RD	2.0	13200
6	WELLINGTON RD 38 VICTORIA RD	FORMER FERGUS S LTS C1 2 START OF NA	11.2	16200
6	FORMER FERGUS S LTS C1 2 START OF NA	FORMER FERGUS N LTS END OF NA	3.0	
6	FORMER FERGUS N LTS END OF NA	WELLINGTON RD 109 ARTHUR S LTS	16.8	8200
6	WELLINGTON RD 109 ARTHUR S LTS	ARTHUR CONESTOGA R BR START OF NA	0.2	10500
6	ARTHUR CONESTOGA R BR START OF NA	FORMER ARTHUR N LTS END OF NA	1.9	
6	FORMER ARTHUR N LTS END OF NA	WELLINGTON NORTH TWP SIDEROAD 7	9.4	5750
6	WELLINGTON NORTH TWP SIDEROAD 7	MOUNT FOREST S LTS START OF NA	11.4	6100
6	MOUNT FOREST S LTS START OF NA	FORMER MOUNT FOREST N LTS	2.7	
6	FORMER MOUNT FOREST N LTS	DURHAM S LTS BENT SDRD27 START OF NA	21.4	6350

ITE Traffic Distribution

Urban Fringe Area

Roadway: Hwy 6
AADT: 6350

Hour Ending	% of AADT	Total	Cars	MT	HT
0:00	2.8%	178	172	3	3
1:00	1.5%	95	92	1	1
2:00	1.0%	64	62	1	1
3:00	0.5%	32	31	0	0
4:00	0.3%	19	18	0	0
5:00	0.3%	19	18	0	0
6:00	0.6%	38	37	1	1
Operating Hours	7:00	2.9%	184	179	3
	8:00	5.3%	337	326	5
	9:00	6.6%	419	407	6
	10:00	4.9%	311	302	5
	11:00	5.1%	324	314	5
	12:00	5.7%	362	351	5
	13:00	5.9%	375	363	6
	14:00	6.0%	381	370	6
	15:00	6.4%	406	394	6
	16:00	6.7%	425	413	6
	17:00	8.4%	533	517	8
	18:00	7.0%	445	431	7
	19:00	5.2%	330	320	5
	20:00	5.2%	330	320	5
	21:00	4.3%	273	265	4
	22:00	3.9%	248	240	4
	23:00	3.5%	222	216	3

Roadway: Grey Road 9
AADT: 930

Hour Ending	% of AADT	Total	Cars	MT	HT
0:00	2.8%	26	25	0	0
1:00	1.5%	14	14	0	0
2:00	1.0%	9	9	0	0
3:00	0.5%	5	5	0	0
4:00	0.3%	3	3	0	0
5:00	0.3%	3	3	0	0
6:00	0.6%	6	5	0	0
Operating Hours	7:00	2.9%	27	26	0
	8:00	5.3%	49	48	1
	9:00	6.6%	61	60	1
	10:00	4.9%	46	44	1
	11:00	5.1%	47	46	1
	12:00	5.7%	53	51	1
	13:00	5.9%	55	53	1
	14:00	6.0%	56	54	1
	15:00	6.4%	60	58	1
	16:00	6.7%	62	60	1
	17:00	8.4%	78	76	1
	18:00	7.0%	65	63	1
	19:00	5.2%	48	47	1
	20:00	5.2%	48	47	1
	21:00	4.3%	40	39	1
	22:00	3.9%	36	35	1
	23:00	3.5%	33	32	0

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	60

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516622.6	4876408.3	397.6	0	55	A	-12.7	2.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516627.0	4876397.6	397.5	0	55	A	-14.0	5.5	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516630.0	4876390.5	397.4	0	55	A	-13.1	-4.5	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516632.9	4876383.4	397.4	0	55	A	-12.9	-4.5	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516635.9	4876376.3	397.3	0	55	A	-13.2	-4.5	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516640.3	4876365.6	397.2	0	55	A	-11.7	-4.6	0.0	0.0	0.0	48
Hwy 6	Hwy 6	516613.4	4876404.4	397.6	0	55	A	-14.4	-4.7	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516619.3	4876390.2	397.5	0	55	A	-13.0	-4.7	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516625.2	4876376.0	397.3	0	55	A	-12.7	-4.7	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516631.1	4876361.8	397.2	0	55	A	-13.7	-4.7	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516646.7	4876349.1	397.1	0	55	A	-13.4	-4.7	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516653.2	4876330.7	397.1	0	55	A	-16.2	-4.6	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516663.1	4876303.2	397.0	0	55	A	-16.2	-4.4	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516637.2	4876345.7	397.1	0	55	A	-14.6	-4.7	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516643.8	4876327.4	397.1	0	55	A	-16.8	-4.6	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516653.6	4876299.8	397.0	0	55	A	-16.6	-4.3	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516622.6	4876408.3	399.0	0	53	A	-12.7	0.8	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516627.0	4876397.6	398.9	0	53	A	-14.0	-0.7	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516630.0	4876390.5	398.8	0	53	A	-13.1	-1.4	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516632.9	4876383.4	398.8	0	53	A	-12.9	-1.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516635.9	4876376.3	398.7	0	53	A	-13.2	-1.6	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516640.3	4876365.6	398.6	0	53	A	-11.7	-1.2	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516613.4	4876404.4	399.0	0	53	A	-14.4	0.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516619.3	4876390.2	398.9	0	53	A	-13.0	-1.6	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516625.2	4876376.0	398.8	0	53	A	-12.7	-2.1	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516631.1	4876361.8	398.6	0	53	A	-13.7	-1.8	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516646.7	4876349.1	398.6	0	53	A	-13.4	0.3	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516653.2	4876330.7	398.5	0	53	A	-16.2	1.1	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516663.1	4876303.2	398.4	0	53	A	-16.2	0.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516637.2	4876345.7	398.6	0	53	A	-14.6	0.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516643.8	4876327.4	398.5	0	53	A	-16.8	0.6	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516653.6	4876299.8	398.4	0	53	A	-16.6	1.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516602.7	4876452.4	397.9	0	55	A	-16.8	-4.5	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516613.9	4876427.8	397.7	0	55	A	-13.5	-4.7	0.0	0.0	0.0	47
Hwy 6	Hwy 6	516593.6	4876448.2	397.9	0	55	A	-17.2	-4.4	0.0	0.0	0.0	43

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	60

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516604.9	4876423.7	397.7	0	55	A	-14.3	-4.6	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516547.9	4876573.9	398.3	0	55	A	-20.4	-3.2	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516572.5	4876519.3	398.1	0	55	A	-20.7	-3.8	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	55	A	-18.0	-4.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516538.8	4876569.8	398.3	0	55	A	-20.5	-3.2	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516563.4	4876515.2	398.1	0	55	A	-20.8	-3.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	55	A	-18.2	-4.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516602.7	4876452.4	399.3	0	53	A	-16.8	0.7	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516613.9	4876427.8	399.1	0	53	A	-13.5	1.0	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516593.6	4876448.2	399.3	0	53	A	-17.2	1.4	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516604.9	4876423.7	399.1	0	53	A	-14.3	0.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	55	A	-20.8	-2.5	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	55	A	-24.4	-1.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	55	A	-24.8	4.0	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	55	A	-20.8	-2.6	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	55	A	-24.4	-1.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	55	A	-24.8	-0.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516547.9	4876573.9	399.7	0	53	A	-20.4	1.6	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516572.5	4876519.3	399.6	0	53	A	-20.7	1.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	53	A	-18.0	1.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516538.8	4876569.8	399.7	0	53	A	-20.5	0.7	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516563.4	4876515.2	399.6	0	53	A	-20.8	0.9	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	53	A	-18.2	0.6	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516622.6	4876408.3	401.1	0	47	A	-12.7	-1.0	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516627.0	4876397.6	401.0	0	47	A	-14.0	-1.3	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516630.0	4876390.5	401.0	0	47	A	-13.1	-1.9	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516632.9	4876383.4	400.9	0	47	A	-12.9	-1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516635.9	4876376.3	400.9	0	47	A	-13.2	-1.6	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516640.3	4876365.6	400.8	0	47	A	-11.7	-1.3	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516613.4	4876404.4	401.1	0	47	A	-14.4	-0.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516619.3	4876390.2	401.0	0	47	A	-13.0	-1.0	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516625.2	4876376.0	400.9	0	47	A	-12.7	-1.3	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516631.1	4876361.8	400.8	0	47	A	-13.7	-1.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516646.7	4876349.1	400.7	0	47	A	-13.4	-0.3	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516653.2	4876330.7	400.6	0	47	A	-16.2	-0.4	0.0	0.0	0.0	31

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	60

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516663.1	4876303.2	400.5	0	47	A	-16.2	0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516637.2	4876345.7	400.7	0	47	A	-14.6	-0.8	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516643.8	4876327.4	400.6	0	47	A	-16.8	-0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516653.6	4876299.8	400.5	0	47	A	-16.6	0.5	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	53	A	-20.8	-2.2	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	53	A	-24.4	-2.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	53	A	-24.8	-1.8	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	53	A	-20.8	-2.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	53	A	-24.4	-2.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	53	A	-24.8	-1.8	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	55	A	-18.9	-3.5	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	55	A	-19.0	-3.5	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516602.7	4876452.4	401.5	0	47	A	-16.8	0.1	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516613.9	4876427.8	401.3	0	47	A	-13.5	-0.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516593.6	4876448.2	401.5	0	47	A	-17.2	0.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516604.9	4876423.7	401.3	0	47	A	-14.3	-0.2	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	55	A	-19.9	-4.0	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	55	A	-20.1	-4.0	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516547.9	4876573.9	401.8	0	47	A	-20.4	-0.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516572.5	4876519.3	401.7	0	47	A	-20.7	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	47	A	-18.0	-0.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516538.8	4876569.8	401.8	0	47	A	-20.5	1.0	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516563.4	4876515.2	401.7	0	47	A	-20.8	0.6	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	47	A	-18.2	0.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	53	A	-18.9	0.4	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	53	A	-19.0	-2.2	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	55	A	-22.3	-2.6	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	55	A	-22.4	-2.6	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	47	A	-20.8	1.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	47	A	-24.4	0.4	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	47	A	-24.8	-0.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	47	A	-20.8	0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	47	A	-24.4	-0.6	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	47	A	-24.8	-1.0	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	53	A	-19.9	1.4	0.0	0.0	0.0	31

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	60

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	53	A	-20.1	1.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	53	A	-22.3	1.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	53	A	-22.4	2.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	47	A	-18.9	0.8	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	47	A	-19.0	0.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516489.4	4877395.1	401.0	0	55	A	-33.8	6.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516477.7	4877254.3	400.6	0	55	A	-29.1	10.9	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516481.0	4877414.6	401.0	0	55	A	-36.3	1.0	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516470.0	4877283.0	400.7	0	55	A	-29.0	10.8	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516460.4	4877167.9	400.4	0	55	A	-38.5	-3.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	55	A	-27.7	-1.7	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	55	A	-27.7	-1.7	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	55	A	-27.7	-2.1	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	55	A	-27.7	7.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	47	A	-19.9	-0.1	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	47	A	-20.1	0.7	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516463.9	4877079.0	399.2	0	55	A	-28.8	4.6	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	55	A	-28.6	-0.2	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516477.7	4877254.3	402.1	0	53	A	-29.1	13.5	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516470.0	4877283.0	402.1	0	53	A	-29.0	13.7	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	47	A	-22.3	0.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	47	A	-22.4	1.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	53	A	-27.7	3.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	53	A	-27.7	4.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	53	A	-27.7	2.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	53	A	-27.7	3.2	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	55	A	-30.4	7.7	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	55	A	-30.5	4.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	55	A	-30.5	7.3	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	55	A	-30.6	5.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516463.9	4877079.0	400.6	0	53	A	-28.8	6.4	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	53	A	-28.6	6.0	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516458.2	4876984.7	397.8	0	55	A	-31.7	10.8	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	55	A	-31.8	1.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	55	A	-32.4	5.8	0.0	0.0	0.0	17

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	60

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	55	A	-32.4	1.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	55	A	-32.7	4.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516487.9	4877509.8	401.1	0	55	A	-32.7	1.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	53	A	-30.4	4.0	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	53	A	-30.5	5.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	55	A	-32.8	4.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	53	A	-30.5	4.0	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	53	A	-30.6	5.1	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	55	A	-34.1	6.7	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	55	A	-34.1	2.5	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516458.2	4876984.7	399.2	0	53	A	-31.7	8.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	53	A	-31.8	6.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	53	A	-32.8	8.4	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	53	A	-32.8	4.1	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	47	A	-27.7	1.1	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	47	A	-27.7	1.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	47	A	-27.7	0.6	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	47	A	-27.7	1.4	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516463.9	4877079.0	402.7	0	47	A	-28.8	4.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	47	A	-28.6	4.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	55	A	-36.9	5.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	55	A	-36.9	5.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	47	A	-30.4	1.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	47	A	-30.5	2.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	47	A	-30.5	3.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	47	A	-30.6	3.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516458.2	4876984.7	401.4	0	47	A	-31.7	4.3	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516448.2	4876985.0	401.4	0	47	A	-31.8	4.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	47	A	-32.8	4.1	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	47	A	-32.8	3.7	0.0	0.0	0.0	10

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	57

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516547.9	4876573.9	398.3	0	55	A	-18.9	-3.6	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516572.5	4876519.3	398.1	0	55	A	-18.7	-4.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	55	A	-15.6	-4.4	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516538.8	4876569.8	398.3	0	55	A	-19.0	-3.5	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516563.4	4876515.2	398.1	0	55	A	-19.0	-4.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	55	A	-16.3	-4.4	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516622.6	4876408.3	397.6	0	55	A	-15.1	5.0	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516628.5	4876394.1	397.5	0	55	A	-16.1	0.0	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516637.4	4876372.7	397.3	0	55	A	-15.1	-4.5	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516613.4	4876404.4	397.6	0	55	A	-16.7	-4.7	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516619.3	4876390.2	397.5	0	55	A	-17.4	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516628.1	4876368.9	397.3	0	55	A	-15.9	-4.4	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516602.7	4876452.4	397.9	0	55	A	-14.5	-4.6	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516611.1	4876434.0	397.8	0	55	A	-16.0	-4.7	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516616.8	4876421.7	397.7	0	55	A	-15.5	-4.7	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516593.6	4876448.2	397.9	0	55	A	-15.6	-4.6	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516604.9	4876423.7	397.7	0	55	A	-14.3	-4.7	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516547.9	4876573.9	399.7	0	53	A	-18.9	0.5	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516572.5	4876519.3	399.6	0	53	A	-18.7	0.2	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	53	A	-15.6	0.3	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516538.8	4876569.8	399.7	0	53	A	-19.0	1.7	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516563.4	4876515.2	399.6	0	53	A	-19.0	1.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	53	A	-16.3	1.5	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516622.6	4876408.3	399.0	0	53	A	-15.1	0.9	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516628.5	4876394.1	398.9	0	53	A	-16.1	1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516637.4	4876372.7	398.7	0	53	A	-15.1	1.9	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516613.4	4876404.4	399.0	0	53	A	-16.7	1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516619.3	4876390.2	398.9	0	53	A	-17.4	0.9	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516628.1	4876368.9	398.7	0	53	A	-15.9	1.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516602.7	4876452.4	399.3	0	53	A	-14.5	-0.3	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516611.1	4876434.0	399.2	0	53	A	-16.0	0.1	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516616.8	4876421.7	399.1	0	53	A	-15.5	0.4	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516593.6	4876448.2	399.3	0	53	A	-15.6	1.1	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516604.9	4876423.7	399.1	0	53	A	-14.3	1.2	0.0	0.0	0.0	37

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	57

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516649.9	4876339.9	397.1	0	55	A	-17.0	-4.2	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516663.1	4876303.2	397.0	0	55	A	-19.8	-3.8	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516640.5	4876336.5	397.1	0	55	A	-17.4	-4.1	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516653.6	4876299.8	397.0	0	55	A	-20.0	-3.8	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	55	A	-22.0	-2.2	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	55	A	-25.2	-1.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	55	A	-25.3	4.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	55	A	-22.0	-2.2	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	55	A	-25.2	-1.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	55	A	-25.3	-0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516649.9	4876339.9	398.5	0	53	A	-17.0	2.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516663.1	4876303.2	398.4	0	53	A	-19.8	1.8	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516640.5	4876336.5	398.5	0	53	A	-17.4	1.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516653.6	4876299.8	398.4	0	53	A	-20.0	1.8	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	53	A	-22.0	4.4	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	53	A	-25.2	5.4	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	53	A	-25.3	5.9	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	53	A	-22.0	-0.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	53	A	-25.2	-0.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	53	A	-25.3	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516547.9	4876573.9	401.8	0	47	A	-18.9	-0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516572.5	4876519.3	401.7	0	47	A	-18.7	-0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	47	A	-15.6	-0.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516538.8	4876569.8	401.8	0	47	A	-19.0	0.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516563.4	4876515.2	401.7	0	47	A	-19.0	0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	47	A	-16.3	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516622.6	4876408.3	401.1	0	47	A	-15.1	-0.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516628.5	4876394.1	401.0	0	47	A	-16.1	0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516637.4	4876372.7	400.8	0	47	A	-15.1	-0.5	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516613.4	4876404.4	401.1	0	47	A	-16.7	-0.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516619.3	4876390.2	401.0	0	47	A	-17.4	0.0	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516628.1	4876368.9	400.8	0	47	A	-15.9	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516602.7	4876452.4	401.5	0	47	A	-14.5	-0.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516611.1	4876434.0	401.3	0	47	A	-16.0	-0.8	0.0	0.0	0.0	32

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	57

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516616.8	4876421.7	401.2	0	47	A	-15.5	-0.8	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516593.6	4876448.2	401.5	0	47	A	-15.6	-0.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516604.9	4876423.7	401.3	0	47	A	-14.3	0.0	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	55	A	-20.8	-3.0	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	55	A	-20.9	-1.2	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	55	A	-21.2	-2.9	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	55	A	-21.3	-2.9	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516649.9	4876339.9	400.7	0	47	A	-17.0	-0.5	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516663.1	4876303.2	400.5	0	47	A	-19.8	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516640.5	4876336.5	400.7	0	47	A	-17.4	-0.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516653.6	4876299.8	400.5	0	47	A	-20.0	-0.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	53	A	-20.8	3.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	53	A	-20.9	0.6	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	55	A	-22.5	-3.5	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	55	A	-22.7	-3.5	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	53	A	-21.2	1.0	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	53	A	-21.3	2.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	47	A	-22.0	1.8	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	47	A	-25.2	3.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	47	A	-25.3	5.3	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	47	A	-22.0	1.9	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	47	A	-25.2	2.3	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	47	A	-25.3	2.8	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	53	A	-22.5	2.8	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	53	A	-22.7	2.0	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516487.1	4877366.9	400.9	0	55	A	-31.0	7.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516478.5	4877384.4	401.0	0	55	A	-32.3	-0.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516466.7	4877243.6	400.6	0	55	A	-29.2	11.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	55	A	-26.8	-2.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	55	A	-26.8	1.4	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	55	A	-26.9	-2.0	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	55	A	-26.9	-1.9	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516467.9	4877134.7	400.0	0	55	A	-33.7	11.6	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516462.7	4877061.4	398.9	0	55	A	-29.4	6.2	0.0	0.0	0.0	20

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	57

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516453.7	4877075.6	399.1	0	55	A	-28.6	-0.5	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	47	A	-20.8	0.5	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	47	A	-20.9	1.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	47	A	-21.2	-0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	47	A	-21.3	0.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516487.1	4877366.9	402.3	0	53	A	-31.0	11.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516478.5	4877384.4	402.4	0	53	A	-32.3	10.3	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	53	A	-26.8	2.0	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	53	A	-26.8	3.2	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	53	A	-26.9	3.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	53	A	-26.9	4.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	55	A	-29.7	7.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	55	A	-29.8	4.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	55	A	-29.9	7.2	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	55	A	-29.9	5.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516462.7	4877061.4	400.3	0	53	A	-29.4	7.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516453.7	4877075.6	400.5	0	53	A	-28.6	6.8	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	47	A	-22.5	-0.2	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	47	A	-22.7	-0.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	55	A	-31.2	0.6	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	55	A	-32.1	6.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	55	A	-32.1	1.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	53	A	-29.7	4.0	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	53	A	-29.8	5.1	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	55	A	-32.4	4.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516487.9	4877509.8	401.1	0	55	A	-32.4	1.2	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	55	A	-32.2	5.7	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	55	A	-32.2	7.3	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	53	A	-29.9	5.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	53	A	-29.9	2.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516458.2	4876984.7	399.2	0	53	A	-31.2	10.7	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	53	A	-31.2	7.9	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	55	A	-33.8	4.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	55	A	-33.9	2.3	0.0	0.0	0.0	19

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	57

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516500.1	4877677.2	402.5	0	53	A	-32.1	10.6	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	53	A	-32.2	10.5	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	53	A	-32.2	6.5	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	47	A	-26.8	0.3	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	47	A	-26.8	1.1	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	47	A	-26.9	0.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	47	A	-26.9	1.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516462.7	4877061.4	402.4	0	47	A	-29.4	4.1	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516453.7	4877075.6	402.7	0	47	A	-28.6	4.0	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	55	A	-36.6	5.9	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	55	A	-36.6	7.5	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	47	A	-29.7	2.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	47	A	-29.8	1.9	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	47	A	-29.9	3.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	47	A	-29.9	3.0	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516458.2	4876984.7	401.4	0	47	A	-31.2	3.9	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516448.2	4876985.0	401.4	0	47	A	-31.2	3.7	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	47	A	-32.2	3.7	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	47	A	-32.2	3.3	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	56

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516535.6	4876601.2	398.3	0	55	A	-17.1	0.8	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516543.8	4876583.0	398.3	0	55	A	-15.3	-2.8	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516552.0	4876564.8	398.3	0	55	A	-13.9	-1.1	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516560.2	4876546.6	398.2	0	55	A	-13.7	-2.4	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516568.4	4876528.4	398.2	0	55	A	-14.8	-3.4	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516576.6	4876510.2	398.1	0	55	A	-16.5	-3.3	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	55	A	-16.1	-2.2	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516526.5	4876597.1	398.3	0	55	A	-17.9	-4.3	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516534.7	4876578.9	398.3	0	55	A	-16.5	-4.5	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516542.9	4876560.7	398.3	0	55	A	-15.5	-4.6	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516551.1	4876542.5	398.2	0	55	A	-15.3	-4.6	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516559.3	4876524.3	398.2	0	55	A	-16.1	-4.5	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516567.5	4876506.1	398.1	0	55	A	-17.5	-4.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	55	A	-16.6	-4.1	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516535.6	4876601.2	399.8	0	53	A	-17.1	2.9	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516543.8	4876583.0	399.7	0	53	A	-15.3	1.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516552.0	4876564.8	399.7	0	53	A	-13.9	0.6	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516560.2	4876546.6	399.6	0	53	A	-13.7	0.3	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516568.4	4876528.4	399.6	0	53	A	-14.8	0.7	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516576.6	4876510.2	399.5	0	53	A	-16.5	0.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	53	A	-16.1	1.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516526.5	4876597.1	399.8	0	53	A	-17.9	2.9	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516534.7	4876578.9	399.7	0	53	A	-16.5	2.0	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516542.9	4876560.7	399.7	0	53	A	-15.5	0.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516551.1	4876542.5	399.6	0	53	A	-15.3	0.8	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516559.3	4876524.3	399.6	0	53	A	-16.1	1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516567.5	4876506.1	399.5	0	53	A	-17.5	1.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	53	A	-16.6	2.0	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516504.1	4876685.3	399.4	0	55	A	-19.2	-2.0	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516517.8	4876647.7	398.9	0	55	A	-19.8	-0.2	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516527.0	4876622.6	398.5	0	55	A	-17.8	0.0	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516494.7	4876681.9	399.4	0	55	A	-19.4	-3.6	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516508.4	4876644.2	398.9	0	55	A	-20.1	-0.1	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516517.6	4876619.1	398.5	0	55	A	-18.4	-4.2	0.0	0.0	0.0	41

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	56

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516504.1	4876685.3	400.8	0	53	A	-19.2	2.7	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516517.8	4876647.7	400.3	0	53	A	-19.8	2.8	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516527.0	4876622.6	400.0	0	53	A	-17.8	2.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516494.7	4876681.9	400.8	0	53	A	-19.4	2.9	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516508.4	4876644.2	400.3	0	53	A	-20.1	3.7	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516517.6	4876619.1	400.0	0	53	A	-18.4	3.7	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516535.6	4876601.2	401.9	0	47	A	-17.1	-0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516543.8	4876583.0	401.9	0	47	A	-15.3	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516552.0	4876564.8	401.8	0	47	A	-13.9	-0.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516560.2	4876546.6	401.8	0	47	A	-13.7	-0.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516568.4	4876528.4	401.7	0	47	A	-14.8	-0.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516576.6	4876510.2	401.7	0	47	A	-16.5	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	47	A	-16.1	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516526.5	4876597.1	401.9	0	47	A	-17.9	-0.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516534.7	4876578.9	401.9	0	47	A	-16.5	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516542.9	4876560.7	401.8	0	47	A	-15.5	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516551.1	4876542.5	401.8	0	47	A	-15.3	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516559.3	4876524.3	401.7	0	47	A	-16.1	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516567.5	4876506.1	401.7	0	47	A	-17.5	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	47	A	-16.6	-0.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516608.3	4876440.1	397.8	0	55	A	-18.1	-2.0	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	55	A	-18.4	-3.7	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	55	A	-25.1	6.7	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	55	A	-27.5	7.3	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	55	A	-27.0	4.9	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	55	A	-25.1	7.0	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	55	A	-27.5	8.1	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	55	A	-27.0	2.9	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516608.3	4876440.1	399.2	0	53	A	-18.1	3.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516599.2	4876436.0	399.2	0	53	A	-18.4	3.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516631.5	4876387.0	397.4	0	55	A	-20.6	17.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516622.2	4876383.1	397.4	0	55	A	-20.7	8.4	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516504.1	4876685.3	402.9	0	47	A	-19.2	0.4	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516517.8	4876647.7	402.4	0	47	A	-19.8	0.2	0.0	0.0	0.0	27

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	56

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516527.0	4876622.6	402.1	0	47	A	-17.8	0.0	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516494.7	4876681.9	402.9	0	47	A	-19.4	0.5	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516508.4	4876644.2	402.4	0	47	A	-20.1	0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516517.6	4876619.1	402.1	0	47	A	-18.4	0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	53	A	-25.1	12.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	53	A	-27.5	1.2	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	53	A	-27.0	0.4	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	53	A	-25.1	0.5	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	53	A	-27.5	0.8	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	53	A	-27.0	1.7	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	55	A	-21.9	-0.2	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	55	A	-22.1	3.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516656.5	4876321.5	397.0	0	55	A	-22.3	10.3	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516647.1	4876318.2	397.0	0	55	A	-22.4	6.1	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516631.5	4876387.0	398.8	0	53	A	-20.6	6.8	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516622.2	4876383.1	398.8	0	53	A	-20.7	3.6	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	55	A	-22.8	0.8	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	55	A	-23.0	-2.8	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	53	A	-21.9	4.6	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	53	A	-22.1	5.2	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516656.5	4876321.5	398.5	0	53	A	-22.3	6.6	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516647.1	4876318.2	398.5	0	53	A	-22.4	3.6	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	55	A	-25.1	8.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	55	A	-25.1	7.6	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516483.3	4877322.4	400.8	0	55	A	-26.9	16.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516471.6	4877181.5	400.5	0	55	A	-32.3	6.7	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516474.8	4877340.5	400.9	0	55	A	-27.9	13.8	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516463.1	4877199.7	400.5	0	55	A	-30.1	8.1	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	53	A	-22.8	6.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	53	A	-23.0	6.8	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516464.3	4877084.6	399.2	0	55	A	-25.9	7.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	55	A	-25.9	-1.0	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516608.3	4876440.1	401.4	0	47	A	-18.1	0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516599.2	4876436.0	401.4	0	47	A	-18.4	0.3	0.0	0.0	0.0	28

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	56

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	55	A	-26.3	7.5	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	55	A	-26.4	6.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	47	A	-25.1	7.0	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	47	A	-27.5	4.8	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	47	A	-27.0	2.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	47	A	-25.1	5.3	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	47	A	-27.5	4.0	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	47	A	-27.0	4.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	55	A	-26.8	6.9	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	55	A	-26.9	1.5	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	53	A	-25.1	10.8	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	53	A	-25.1	1.4	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516471.6	4877181.5	401.9	0	53	A	-32.3	8.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516463.1	4877199.7	401.9	0	53	A	-30.1	9.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516464.3	4877084.6	400.7	0	53	A	-25.9	7.7	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	53	A	-25.9	7.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	55	A	-27.9	7.9	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	55	A	-27.9	5.2	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516631.5	4876387.0	401.0	0	47	A	-20.6	1.2	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516622.2	4876383.1	401.0	0	47	A	-20.7	1.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	55	A	-28.7	1.6	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	53	A	-26.3	4.5	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	53	A	-26.4	5.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	53	A	-26.8	2.9	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	53	A	-26.9	1.0	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	55	A	-29.4	5.3	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	55	A	-29.5	5.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	47	A	-21.9	1.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	47	A	-22.1	1.2	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516656.5	4876321.5	400.6	0	47	A	-22.3	3.2	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516647.1	4876318.2	400.6	0	47	A	-22.4	2.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	53	A	-27.9	8.5	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	53	A	-27.9	3.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	47	A	-22.8	1.8	0.0	0.0	0.0	22

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	56

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	47	A	-23.0	2.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516514.6	4877735.6	401.1	0	55	A	-35.6	2.9	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516458.2	4876984.7	399.2	0	53	A	-28.6	8.1	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	53	A	-28.7	4.7	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	53	A	-29.4	8.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	53	A	-29.5	6.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	55	A	-33.0	3.5	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	55	A	-33.0	8.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	47	A	-25.1	6.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	47	A	-25.1	5.5	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516463.1	4877199.7	404.1	0	47	A	-30.1	5.7	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516464.3	4877084.6	402.8	0	47	A	-25.9	4.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	47	A	-25.9	4.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	47	A	-26.3	2.2	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	47	A	-26.4	3.1	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	47	A	-26.8	3.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	47	A	-26.9	3.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	55	A	-35.8	6.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	47	A	-27.9	4.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	47	A	-27.9	4.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516458.2	4876984.7	401.4	0	47	A	-28.6	4.6	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516448.2	4876985.0	401.4	0	47	A	-28.7	4.6	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	47	A	-29.4	4.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	47	A	-29.5	4.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516518.7	4878222.1	399.5	0	55	A	-38.0	6.8	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516529.1	4878089.9	401.6	0	55	A	-38.7	6.1	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	55

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516468.3	4877139.6	400.1	0	55	A	-20.5	-3.7	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516465.7	4877102.9	399.5	0	55	A	-18.1	-4.0	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516463.0	4877066.3	399.0	0	55	A	-15.3	-3.8	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516461.0	4877038.8	398.5	0	55	A	-16.2	-2.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516459.7	4877020.5	398.2	0	55	A	-15.2	-0.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516458.3	4877140.3	400.1	0	55	A	-20.7	-3.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516455.7	4877103.7	399.5	0	55	A	-18.6	-4.0	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516453.0	4877067.0	399.0	0	55	A	-16.1	-4.2	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516451.1	4877039.5	398.5	0	55	A	-17.4	-4.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516449.7	4877021.2	398.2	0	55	A	-16.6	-4.5	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516448.3	4877139.6	401.5	0	53	A	-20.5	0.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516465.7	4877102.9	401.0	0	53	A	-18.1	-0.1	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516463.0	4877066.3	400.4	0	53	A	-15.3	0.4	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516461.0	4877038.8	400.0	0	53	A	-16.2	1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516459.7	4877020.5	399.7	0	53	A	-15.2	1.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516458.3	4877140.3	401.5	0	53	A	-20.7	1.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516455.7	4877103.7	401.0	0	53	A	-18.6	0.0	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516453.0	4877067.0	400.4	0	53	A	-16.1	0.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516451.1	4877039.5	400.0	0	53	A	-17.4	1.9	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516449.7	4877021.2	399.7	0	53	A	-16.6	2.2	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516458.9	4877004.8	398.0	0	55	A	-16.3	-1.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516458.4	4876991.4	397.9	0	55	A	-16.6	-1.2	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516457.8	4876971.3	397.7	0	55	A	-14.8	1.8	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516448.7	4876998.4	398.0	0	55	A	-14.9	-4.5	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516447.8	4876971.6	397.7	0	55	A	-15.9	-4.4	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516472.5	4877193.1	400.5	0	55	A	-20.2	7.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516468.5	4877264.3	400.7	0	55	A	-23.0	15.5	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516462.6	4877193.9	400.5	0	55	A	-20.4	3.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516458.9	4877004.8	399.5	0	53	A	-16.3	2.0	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516458.4	4876991.4	399.3	0	53	A	-16.6	2.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516457.8	4876971.3	399.1	0	53	A	-14.8	3.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516448.7	4876998.4	399.4	0	53	A	-14.9	2.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516447.8	4876971.6	399.1	0	53	A	-15.9	3.4	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	55	A	-15.8	16.4	0.0	0.0	0.0	23

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Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	55

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	55	A	-16.6	2.4	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516468.3	4877139.6	403.7	0	47	A	-20.5	-0.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516465.7	4877102.9	403.1	0	47	A	-18.1	-0.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516463.0	4877066.3	402.5	0	47	A	-15.3	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516461.0	4877038.8	402.1	0	47	A	-16.2	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516459.7	4877020.5	401.8	0	47	A	-15.2	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516458.3	4877140.3	403.7	0	47	A	-20.7	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516455.7	4877103.7	403.1	0	47	A	-18.6	-0.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516453.0	4877067.0	402.5	0	47	A	-16.1	-0.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516451.1	4877039.5	402.1	0	47	A	-17.4	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516449.7	4877021.2	401.8	0	47	A	-16.6	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516487.2	4877369.1	402.4	0	53	A	-22.7	1.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516478.4	4877263.5	402.1	0	53	A	-22.9	5.8	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516472.5	4877193.1	401.9	0	53	A	-20.2	2.8	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516477.3	4877369.9	402.4	0	53	A	-22.8	5.6	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516468.5	4877264.3	402.1	0	53	A	-23.0	-3.0	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516462.6	4877193.9	401.9	0	53	A	-20.4	3.0	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	55	A	-17.3	14.0	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	55	A	-17.7	2.8	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	53	A	-15.8	6.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	53	A	-16.6	5.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	53	A	-17.3	8.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	53	A	-17.7	8.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516458.9	4877004.8	401.6	0	47	A	-16.3	-0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516458.4	4876991.4	401.4	0	47	A	-16.6	-0.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516457.8	4876971.3	401.2	0	47	A	-14.8	-0.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516448.7	4876998.4	401.5	0	47	A	-14.9	-0.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516447.8	4876971.6	401.2	0	47	A	-15.9	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	55	A	-20.8	7.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	55	A	-21.0	6.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	55	A	-21.4	7.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	55	A	-21.6	0.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516487.2	4877369.1	404.5	0	47	A	-22.7	5.0	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516478.4	4877263.5	404.2	0	47	A	-22.9	1.8	0.0	0.0	0.0	22

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Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	55

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516472.5	4877193.1	404.0	0	47	A	-20.2	0.1	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516477.3	4877369.9	404.5	0	47	A	-22.8	4.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516468.5	4877264.3	404.2	0	47	A	-23.0	2.3	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516462.6	4877193.9	404.0	0	47	A	-20.4	0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	55	A	-23.5	7.9	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	55	A	-23.6	-0.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	53	A	-20.8	9.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	53	A	-21.0	9.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	53	A	-21.4	10.6	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	53	A	-21.6	10.7	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516564.3	4876537.5	398.2	0	55	A	-24.4	8.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516555.2	4876533.4	398.2	0	55	A	-24.5	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	47	A	-15.8	0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	47	A	-16.6	0.5	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	55	A	-24.7	9.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	55	A	-24.8	0.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516749.8	4875905.2	396.0	0	55	A	-26.6	15.8	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516807.5	4875613.8	395.8	0	55	A	-38.5	6.5	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516716.8	4876020.3	396.0	0	55	A	-28.4	9.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	55	A	-30.6	3.2	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	47	A	-17.3	1.7	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	47	A	-17.7	1.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	55	A	-25.7	-2.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	53	A	-23.5	11.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	53	A	-23.6	11.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	55	A	-26.7	-1.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	55	A	-26.7	-1.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516564.3	4876537.5	399.6	0	53	A	-24.4	7.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516555.2	4876533.4	399.6	0	53	A	-24.5	6.5	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	53	A	-24.7	11.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	53	A	-24.8	11.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516716.8	4876020.3	397.5	0	53	A	-28.4	11.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	53	A	-30.6	4.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516497.8	4877509.1	402.5	0	53	A	-25.7	8.0	0.0	0.0	0.0	19

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Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	55

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516510.1	4877676.4	402.5	0	53	A	-26.7	8.9	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516500.1	4877677.2	402.5	0	53	A	-26.7	3.0	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	47	A	-20.8	3.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	47	A	-21.0	3.3	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	55	A	-29.4	7.3	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	55	A	-29.4	0.4	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	47	A	-21.4	4.7	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	47	A	-21.6	5.0	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516608.3	4876440.1	397.8	0	55	A	-31.0	8.5	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	55	A	-31.0	0.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516650.4	4876338.6	397.1	0	55	A	-33.6	2.5	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516647.1	4876318.2	397.0	0	55	A	-31.1	7.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	47	A	-23.5	6.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	47	A	-23.6	7.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516622.2	4876383.1	397.4	0	55	A	-31.2	11.2	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516523.5	4877860.7	403.5	0	53	A	-29.4	3.6	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516513.5	4877861.4	403.5	0	53	A	-29.4	3.6	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516564.3	4876537.5	401.7	0	47	A	-24.4	7.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516555.2	4876533.4	401.7	0	47	A	-24.5	7.2	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	55	A	-32.0	10.9	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	55	A	-32.7	9.6	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	55	A	-32.7	6.2	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	47	A	-24.7	6.1	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	47	A	-24.8	6.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516716.8	4876020.3	399.6	0	47	A	-28.4	8.3	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516497.8	4877509.1	404.7	0	47	A	-25.7	7.8	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516487.9	4877509.8	404.7	0	47	A	-25.7	6.9	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516608.3	4876440.1	399.2	0	53	A	-31.0	7.5	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516599.2	4876436.0	399.2	0	53	A	-31.0	6.9	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516650.4	4876338.6	398.5	0	53	A	-33.6	9.1	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516647.1	4876318.2	398.5	0	53	A	-31.1	8.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516631.5	4876387.0	398.8	0	53	A	-31.2	10.1	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516622.2	4876383.1	398.8	0	53	A	-31.2	9.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516510.1	4877676.4	404.7	0	47	A	-26.7	8.5	0.0	0.0	0.0	12

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Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	55

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516500.1	4877677.2	404.7	0	47	A	-26.7	3.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	53	A	-32.0	9.8	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516529.9	4878002.4	404.1	0	53	A	-32.7	4.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516519.9	4878002.5	404.1	0	53	A	-32.7	8.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	55	A	-35.5	8.3	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516529.1	4878089.9	401.6	0	55	A	-35.8	9.1	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516523.5	4877860.7	405.7	0	47	A	-29.4	4.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516513.5	4877861.4	405.7	0	47	A	-29.4	4.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516599.2	4876436.0	401.4	0	47	A	-31.0	5.5	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516622.2	4876383.1	401.0	0	47	A	-31.2	5.7	0.0	0.0	0.0	10

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

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Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	54

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516516.6	4877761.8	401.1	0	55	A	-13.5	27.8	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516514.9	4877738.6	401.1	0	55	A	-14.4	-4.7	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516513.2	4877717.3	401.1	0	55	A	-15.7	-4.6	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516511.6	4877695.9	401.1	0	55	A	-17.5	-4.5	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516509.9	4877674.6	401.1	0	55	A	-19.2	-4.3	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516507.5	4877642.5	401.1	0	55	A	-18.4	-4.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516504.2	4877599.9	401.1	0	55	A	-20.9	-3.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516506.6	4877762.2	401.1	0	55	A	-14.9	27.2	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516504.8	4877738.7	401.1	0	55	A	-15.8	-4.6	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516503.2	4877717.5	401.1	0	55	A	-16.9	-4.5	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516500.7	4877685.6	401.1	0	55	A	-16.0	-4.3	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516497.5	4877643.0	401.1	0	55	A	-18.8	-4.0	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516494.2	4877600.5	401.1	0	55	A	-21.1	-3.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516524.2	4877870.1	402.2	0	55	A	-18.1	26.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516521.2	4877826.9	401.7	0	55	A	-16.7	27.0	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516519.4	4877800.7	401.4	0	55	A	-17.6	27.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516518.2	4877783.1	401.2	0	55	A	-16.2	27.4	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516512.2	4877841.2	401.9	0	55	A	-17.2	26.6	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516509.9	4877808.1	401.5	0	55	A	-18.0	26.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516508.4	4877786.1	401.2	0	55	A	-16.5	26.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516514.9	4877738.6	402.5	0	53	A	-14.4	0.6	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516513.2	4877717.3	402.5	0	53	A	-15.7	1.1	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516511.6	4877695.9	402.5	0	53	A	-17.5	0.9	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516509.9	4877674.6	402.5	0	53	A	-19.2	0.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516507.5	4877642.5	402.5	0	53	A	-18.4	-0.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516504.2	4877599.9	402.5	0	53	A	-20.9	0.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516504.8	4877738.7	402.5	0	53	A	-15.8	1.3	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516503.2	4877717.5	402.5	0	53	A	-16.9	0.9	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516500.7	4877685.6	402.5	0	53	A	-16.0	1.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516497.5	4877643.0	402.5	0	53	A	-18.8	1.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516494.2	4877600.5	402.5	0	53	A	-21.1	1.7	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516514.9	4877738.6	404.7	0	47	A	-14.4	-0.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516513.2	4877717.3	404.7	0	47	A	-15.7	-0.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516511.6	4877695.9	404.7	0	47	A	-17.5	-0.5	0.0	0.0	0.0	30

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	54

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516509.9	4877674.6	404.7	0	47	A	-19.2	0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516507.5	4877642.5	404.7	0	47	A	-18.4	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516504.2	4877599.9	404.7	0	47	A	-20.9	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516504.8	4877738.7	404.7	0	47	A	-15.8	-0.5	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516503.2	4877717.5	404.7	0	47	A	-16.9	-0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516500.7	4877685.6	404.7	0	47	A	-16.0	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516497.5	4877643.0	404.7	0	47	A	-18.8	-0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516494.2	4877600.5	404.7	0	47	A	-21.1	0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516500.2	4877543.8	401.1	0	55	A	-21.3	-3.3	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516495.5	4877474.3	401.1	0	55	A	-23.7	-2.7	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516490.2	4877544.5	401.1	0	55	A	-21.4	-3.3	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516485.5	4877475.0	401.1	0	55	A	-23.8	-2.7	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516487.2	4877369.1	400.9	0	55	A	-23.3	6.9	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516475.5	4877228.3	400.6	0	55	A	-26.0	12.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516477.3	4877369.9	400.9	0	55	A	-23.3	-2.0	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516465.5	4877229.1	400.6	0	55	A	-26.0	9.3	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516500.2	4877543.8	402.5	0	53	A	-21.3	1.1	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516495.5	4877474.3	402.5	0	53	A	-23.7	3.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516490.2	4877544.5	402.5	0	53	A	-21.4	1.9	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516485.5	4877475.0	402.5	0	53	A	-23.8	1.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516487.2	4877369.1	402.4	0	53	A	-23.3	6.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516475.5	4877228.3	402.0	0	53	A	-26.0	4.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516477.3	4877369.9	402.4	0	53	A	-23.3	0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516465.5	4877229.1	402.0	0	53	A	-26.0	-2.9	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516500.2	4877543.8	404.7	0	47	A	-21.3	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516495.5	4877474.3	404.7	0	47	A	-23.7	0.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516490.2	4877544.5	404.7	0	47	A	-21.4	0.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516485.5	4877475.0	404.7	0	47	A	-23.8	1.3	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516464.3	4877084.6	399.2	0	55	A	-28.0	4.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	55	A	-28.0	4.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516487.2	4877369.1	404.5	0	47	A	-23.3	2.2	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516475.5	4877228.3	404.1	0	47	A	-26.0	4.7	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516477.3	4877369.9	404.5	0	47	A	-23.3	2.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.5	4877229.1	404.1	0	47	A	-26.0	3.7	0.0	0.0	0.0	17

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Day	54

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aair	Afol	RL	Lr
Hwy 6	Hwy 6	516755.5	4875876.6	396.0	0	55	A	-30.8	11.5	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516745.7	4875874.6	396.0	0	55	A	-30.8	11.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516464.3	4877084.6	400.7	0	53	A	-28.0	7.4	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	53	A	-28.0	-2.6	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516745.7	4875874.6	397.4	0	53	A	-30.8	10.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516533.3	4876581.9	398.3	0	55	A	-37.2	4.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	55	A	-33.6	10.1	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	55	A	-33.6	2.6	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	55	A	-33.6	-0.5	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	55	A	-34.5	8.5	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	55	A	-34.5	0.7	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	55	A	-34.6	5.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	55	A	-34.6	4.4	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516464.3	4877084.6	402.8	0	47	A	-28.0	6.7	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	47	A	-28.0	4.9	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	55	A	-35.7	7.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	55	A	-35.8	0.5	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	55	A	-35.7	9.1	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	55	A	-35.8	7.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516458.2	4876984.7	399.2	0	53	A	-33.6	8.8	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	53	A	-33.6	7.5	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	55	A	-36.3	0.9	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	55	A	-37.5	3.7	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	55	A	-38.2	4.3	0.0	0.0	0.0	13

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	58

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516622.6	4876408.3	397.6	0	53	A	-12.7	2.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516627.0	4876397.6	397.5	0	53	A	-14.0	5.5	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516630.0	4876390.5	397.4	0	53	A	-13.1	-4.5	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516632.9	4876383.4	397.4	0	53	A	-12.9	-4.5	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516635.9	4876376.3	397.3	0	53	A	-13.2	-4.5	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516640.3	4876365.6	397.2	0	53	A	-11.7	-4.6	0.0	0.0	0.0	46
Hwy 6	Hwy 6	516613.4	4876404.4	397.6	0	53	A	-14.4	-4.7	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516619.3	4876390.2	397.5	0	53	A	-13.0	-4.7	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516625.2	4876376.0	397.3	0	53	A	-12.7	-4.7	0.0	0.0	0.0	45
Hwy 6	Hwy 6	516631.1	4876361.8	397.2	0	53	A	-13.7	-4.7	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516646.7	4876349.1	397.1	0	53	A	-13.4	-4.7	0.0	0.0	0.0	44
Hwy 6	Hwy 6	516653.2	4876330.7	397.1	0	53	A	-16.2	-4.6	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516663.1	4876303.2	397.0	0	53	A	-16.2	-4.4	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516637.2	4876345.7	397.1	0	53	A	-14.6	-4.7	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516643.8	4876327.4	397.1	0	53	A	-16.8	-4.6	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516653.6	4876299.8	397.0	0	53	A	-16.6	-4.3	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516622.6	4876408.3	399.0	0	50	A	-12.7	0.8	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516627.0	4876397.6	398.9	0	50	A	-14.0	-0.7	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516630.0	4876390.5	398.8	0	50	A	-13.1	-1.4	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516632.9	4876383.4	398.8	0	50	A	-12.9	-1.6	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516635.9	4876376.3	398.7	0	50	A	-13.2	-1.6	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516640.3	4876365.6	398.6	0	50	A	-11.7	-1.2	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516613.4	4876404.4	399.0	0	50	A	-14.4	0.1	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516619.3	4876390.2	398.9	0	50	A	-13.0	-1.6	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516625.2	4876376.0	398.8	0	50	A	-12.7	-2.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516631.1	4876361.8	398.6	0	50	A	-13.7	-1.8	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516646.7	4876349.1	398.6	0	50	A	-13.4	0.3	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516653.2	4876330.7	398.5	0	50	A	-16.2	1.1	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516663.1	4876303.2	398.4	0	50	A	-16.2	0.8	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516637.2	4876345.7	398.6	0	50	A	-14.6	0.1	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516643.8	4876327.4	398.5	0	50	A	-16.8	0.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516653.6	4876299.8	398.4	0	50	A	-16.6	1.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516602.7	4876452.4	397.9	0	53	A	-16.8	-4.5	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516613.9	4876427.8	397.7	0	53	A	-13.5	-4.7	0.0	0.0	0.0	44

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	58

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516593.6	4876448.2	397.9	0	53	A	-17.2	-4.4	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516604.9	4876423.7	397.7	0	53	A	-14.3	-4.6	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516547.9	4876573.9	398.3	0	53	A	-20.4	-3.2	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516572.5	4876519.3	398.1	0	53	A	-20.7	-3.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	53	A	-18.0	-4.1	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516538.8	4876569.8	398.3	0	53	A	-20.5	-3.2	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516563.4	4876515.2	398.1	0	53	A	-20.8	-3.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	53	A	-18.2	-4.1	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516602.7	4876452.4	399.3	0	50	A	-16.8	0.7	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516613.9	4876427.8	399.1	0	50	A	-13.5	1.0	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516593.6	4876448.2	399.3	0	50	A	-17.2	1.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516604.9	4876423.7	399.1	0	50	A	-14.3	0.7	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	53	A	-20.8	-2.5	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	53	A	-24.4	-1.6	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	53	A	-24.8	4.0	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	53	A	-20.8	-2.6	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	53	A	-24.4	-1.6	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	53	A	-24.8	-0.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516547.9	4876573.9	399.7	0	50	A	-20.4	1.6	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516572.5	4876519.3	399.6	0	50	A	-20.7	1.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	50	A	-18.0	1.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516538.8	4876569.8	399.7	0	50	A	-20.5	0.7	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516563.4	4876515.2	399.6	0	50	A	-20.8	0.9	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	50	A	-18.2	0.6	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516622.6	4876408.3	401.1	0	45	A	-12.7	-1.0	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516627.0	4876397.6	401.0	0	45	A	-14.0	-1.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516630.0	4876390.5	401.0	0	45	A	-13.1	-1.9	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516632.9	4876383.4	400.9	0	45	A	-12.9	-1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516635.9	4876376.3	400.9	0	45	A	-13.2	-1.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516640.3	4876365.6	400.8	0	45	A	-11.7	-1.3	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516613.4	4876404.4	401.1	0	45	A	-14.4	-0.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516619.3	4876390.2	401.0	0	45	A	-13.0	-1.0	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516625.2	4876376.0	400.9	0	45	A	-12.7	-1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516631.1	4876361.8	400.8	0	45	A	-13.7	-1.1	0.0	0.0	0.0	32

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	58

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516646.7	4876349.1	400.7	0	45	A	-13.4	-0.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516653.2	4876330.7	400.6	0	45	A	-16.2	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516663.1	4876303.2	400.5	0	45	A	-16.2	0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516637.2	4876345.7	400.7	0	45	A	-14.6	-0.8	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516643.8	4876327.4	400.6	0	45	A	-16.8	-0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516653.6	4876299.8	400.5	0	45	A	-16.6	0.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	50	A	-20.8	-2.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	50	A	-24.4	-2.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	50	A	-24.8	-1.8	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	50	A	-20.8	-2.5	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	50	A	-24.4	-2.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	50	A	-24.8	-1.8	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	53	A	-18.9	-3.5	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	53	A	-19.0	-3.5	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516602.7	4876452.4	401.5	0	45	A	-16.8	0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516613.9	4876427.8	401.3	0	45	A	-13.5	-0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516593.6	4876448.2	401.5	0	45	A	-17.2	0.5	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516604.9	4876423.7	401.3	0	45	A	-14.3	-0.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	53	A	-19.9	-4.0	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	53	A	-20.1	-4.0	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516547.9	4876573.9	401.8	0	45	A	-20.4	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516572.5	4876519.3	401.7	0	45	A	-20.7	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	45	A	-18.0	-0.2	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516538.8	4876569.8	401.8	0	45	A	-20.5	1.0	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516563.4	4876515.2	401.7	0	45	A	-20.8	0.6	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	45	A	-18.2	0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	50	A	-18.9	0.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	50	A	-19.0	-2.2	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	53	A	-22.3	-2.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	53	A	-22.4	-2.6	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	45	A	-20.8	1.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	45	A	-24.4	0.4	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	45	A	-24.8	-0.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	45	A	-20.8	0.3	0.0	0.0	0.0	24

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	58

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	45	A	-24.4	-0.6	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	45	A	-24.8	-1.0	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	50	A	-19.9	1.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	50	A	-20.1	1.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	50	A	-22.3	1.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	50	A	-22.4	2.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	45	A	-18.9	0.8	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	45	A	-19.0	0.7	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516489.4	4877395.1	401.0	0	53	A	-33.8	6.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516477.7	4877254.3	400.6	0	53	A	-29.1	10.9	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516481.0	4877414.6	401.0	0	53	A	-36.3	1.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516470.0	4877283.0	400.7	0	53	A	-29.0	10.8	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516460.4	4877167.9	400.4	0	53	A	-38.5	-3.2	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	53	A	-27.7	-1.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	53	A	-27.7	-1.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	53	A	-27.7	-2.1	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	53	A	-27.7	7.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	45	A	-19.9	-0.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	45	A	-20.1	0.7	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516463.9	4877079.0	399.2	0	53	A	-28.8	4.6	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	53	A	-28.6	-0.2	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	45	A	-22.3	0.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	45	A	-22.4	1.1	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	50	A	-27.7	3.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	50	A	-27.7	4.4	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	50	A	-27.7	2.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	50	A	-27.7	3.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	53	A	-30.4	7.7	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	53	A	-30.5	4.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	53	A	-30.5	7.3	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	53	A	-30.6	5.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516463.9	4877079.0	400.6	0	50	A	-28.8	6.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	50	A	-28.6	6.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516458.2	4876984.7	397.8	0	53	A	-31.7	10.8	0.0	0.0	0.0	10

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R02

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	58

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	53	A	-31.8	1.1	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	53	A	-32.4	5.8	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	53	A	-32.4	1.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	53	A	-32.7	4.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516487.9	4877509.8	401.1	0	53	A	-32.7	1.4	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	50	A	-30.4	4.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	50	A	-30.5	5.6	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	53	A	-32.8	4.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	50	A	-30.5	4.0	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	50	A	-30.6	5.1	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	53	A	-34.1	6.7	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	53	A	-34.1	2.5	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	50	A	-31.8	6.4	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	50	A	-32.8	4.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	45	A	-27.7	1.1	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	45	A	-27.7	1.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	45	A	-27.7	0.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	45	A	-27.7	1.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516463.9	4877079.0	402.7	0	45	A	-28.8	4.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	45	A	-28.6	4.1	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	53	A	-36.9	5.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	53	A	-36.9	5.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	45	A	-30.4	1.5	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	45	A	-30.5	2.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	45	A	-30.5	3.3	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	45	A	-30.6	3.4	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	55

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516547.9	4876573.9	398.3	0	53	A	-18.9	-3.6	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516572.5	4876519.3	398.1	0	53	A	-18.7	-4.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	53	A	-15.6	-4.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516538.8	4876569.8	398.3	0	53	A	-19.0	-3.5	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516563.4	4876515.2	398.1	0	53	A	-19.0	-4.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	53	A	-16.3	-4.4	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516622.6	4876408.3	397.6	0	53	A	-15.1	5.0	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516628.5	4876394.1	397.5	0	53	A	-16.1	0.0	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516637.4	4876372.7	397.3	0	53	A	-15.1	-4.5	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516613.4	4876404.4	397.6	0	53	A	-16.7	-4.7	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516619.3	4876390.2	397.5	0	53	A	-17.4	-4.6	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516628.1	4876368.9	397.3	0	53	A	-15.9	-4.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516602.7	4876452.4	397.9	0	53	A	-14.5	-4.6	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516611.1	4876434.0	397.8	0	53	A	-16.0	-4.7	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516616.8	4876421.7	397.7	0	53	A	-15.5	-4.7	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516593.6	4876448.2	397.9	0	53	A	-15.6	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516604.9	4876423.7	397.7	0	53	A	-14.3	-4.7	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516547.9	4876573.9	399.7	0	50	A	-18.9	0.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516572.5	4876519.3	399.6	0	50	A	-18.7	0.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	50	A	-15.6	0.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516538.8	4876569.8	399.7	0	50	A	-19.0	1.7	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516563.4	4876515.2	399.6	0	50	A	-19.0	1.6	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	50	A	-16.3	1.5	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516622.6	4876408.3	399.0	0	50	A	-15.1	0.9	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516628.5	4876394.1	398.9	0	50	A	-16.1	1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516637.4	4876372.7	398.7	0	50	A	-15.1	1.9	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516613.4	4876404.4	399.0	0	50	A	-16.7	1.3	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516619.3	4876390.2	398.9	0	50	A	-17.4	0.9	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516628.1	4876368.9	398.7	0	50	A	-15.9	1.4	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516602.7	4876452.4	399.3	0	50	A	-14.5	-0.3	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516611.1	4876434.0	399.2	0	50	A	-16.0	0.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516616.8	4876421.7	399.1	0	50	A	-15.5	0.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516593.6	4876448.2	399.3	0	50	A	-15.6	1.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516604.9	4876423.7	399.1	0	50	A	-14.3	1.2	0.0	0.0	0.0	35

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Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	55

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	RefL	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516649.9	4876339.9	397.1	0	53	A	-17.0	-4.2	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516663.1	4876303.2	397.0	0	53	A	-19.8	-3.8	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516640.5	4876336.5	397.1	0	53	A	-17.4	-4.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516653.6	4876299.8	397.0	0	53	A	-20.0	-3.8	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	53	A	-22.0	-2.2	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	53	A	-25.2	-1.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	53	A	-25.3	4.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	53	A	-22.0	-2.2	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	53	A	-25.2	-1.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	53	A	-25.3	-0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516649.9	4876339.9	398.5	0	50	A	-17.0	2.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516663.1	4876303.2	398.4	0	50	A	-19.8	1.8	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516640.5	4876336.5	398.5	0	50	A	-17.4	1.1	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516653.6	4876299.8	398.4	0	50	A	-20.0	1.8	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	50	A	-22.0	4.4	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	50	A	-25.2	5.4	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	50	A	-25.3	5.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	50	A	-22.0	-0.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	50	A	-25.2	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	50	A	-25.3	-0.4	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516547.9	4876573.9	401.8	0	45	A	-18.9	-0.2	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516572.5	4876519.3	401.7	0	45	A	-18.7	-0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	45	A	-15.6	-0.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516538.8	4876569.8	401.8	0	45	A	-19.0	0.3	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516563.4	4876515.2	401.7	0	45	A	-19.0	0.2	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	45	A	-16.3	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516622.6	4876408.3	401.1	0	45	A	-15.1	-0.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516628.5	4876394.1	401.0	0	45	A	-16.1	0.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516637.4	4876372.7	400.8	0	45	A	-15.1	-0.5	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516613.4	4876404.4	401.1	0	45	A	-16.7	-0.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516619.3	4876390.2	401.0	0	45	A	-17.4	0.0	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516628.1	4876368.9	400.8	0	45	A	-15.9	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516602.7	4876452.4	401.5	0	45	A	-14.5	-0.6	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516611.1	4876434.0	401.3	0	45	A	-16.0	-0.8	0.0	0.0	0.0	29

Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	55

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	RefL	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516616.8	4876421.7	401.2	0	45	A	-15.5	-0.8	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516593.6	4876448.2	401.5	0	45	A	-15.6	-0.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516604.9	4876423.7	401.3	0	45	A	-14.3	0.0	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	53	A	-20.8	-3.0	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	53	A	-20.9	-1.2	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	53	A	-21.2	-2.9	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	53	A	-21.3	-2.9	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516649.9	4876339.9	400.7	0	45	A	-17.0	-0.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516663.1	4876303.2	400.5	0	45	A	-19.8	-0.4	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516640.5	4876336.5	400.7	0	45	A	-17.4	-0.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516653.6	4876299.8	400.5	0	45	A	-20.0	-0.3	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	50	A	-20.8	3.5	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	50	A	-20.9	0.6	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	53	A	-22.5	-3.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	53	A	-22.7	-3.5	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	50	A	-21.2	1.0	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	50	A	-21.3	2.4	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	45	A	-22.0	1.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	45	A	-25.2	3.3	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	45	A	-25.3	5.3	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	45	A	-22.0	1.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	45	A	-25.2	2.3	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	45	A	-25.3	2.8	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	50	A	-22.5	2.8	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	50	A	-22.7	2.0	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516487.1	4877366.9	400.9	0	53	A	-31.0	7.0	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516478.5	4877384.4	401.0	0	53	A	-32.3	-0.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516466.7	4877243.6	400.6	0	53	A	-29.2	11.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	53	A	-26.8	-2.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	53	A	-26.8	1.4	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	53	A	-26.9	-2.0	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	53	A	-26.9	-1.9	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516462.7	4877061.4	398.9	0	53	A	-29.4	6.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516453.7	4877075.6	399.1	0	53	A	-28.6	-0.5	0.0	0.0	0.0	25

Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	55

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	45	A	-20.8	0.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	45	A	-20.9	1.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	45	A	-21.2	-0.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	45	A	-21.3	0.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	50	A	-26.8	2.0	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	50	A	-26.8	3.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	50	A	-26.9	3.8	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	50	A	-26.9	4.4	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	53	A	-29.7	7.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	53	A	-29.8	4.4	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	53	A	-29.9	7.2	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	53	A	-29.9	5.2	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516462.7	4877061.4	400.3	0	50	A	-29.4	7.6	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516453.7	4877075.6	400.5	0	50	A	-28.6	6.8	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	45	A	-22.5	-0.2	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	45	A	-22.7	-0.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	53	A	-31.2	0.6	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	53	A	-32.1	6.0	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	53	A	-32.1	1.8	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	50	A	-29.7	4.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	50	A	-29.8	5.1	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	53	A	-32.4	4.6	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516487.9	4877509.8	401.1	0	53	A	-32.4	1.2	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	53	A	-32.2	5.7	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	53	A	-32.2	7.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	50	A	-29.9	5.6	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	50	A	-29.9	2.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	50	A	-31.2	7.9	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	53	A	-33.8	4.0	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	53	A	-33.9	2.3	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	50	A	-32.2	6.5	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	45	A	-26.8	0.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	45	A	-26.8	1.1	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	45	A	-26.9	0.9	0.0	0.0	0.0	17

Receiver: R03

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	55

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	45	A	-26.9	1.5	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516462.7	4877061.4	402.4	0	45	A	-29.4	4.1	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516453.7	4877075.6	402.7	0	45	A	-28.6	4.0	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	53	A	-36.6	5.9	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	45	A	-29.7	2.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	45	A	-29.8	1.9	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	45	A	-29.9	3.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	45	A	-29.9	3.0	0.0	0.0	0.0	12

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	54

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	RefL	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516535.6	4876601.2	398.3	0	53	A	-17.1	0.8	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516543.8	4876583.0	398.3	0	53	A	-15.3	-2.8	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516552.0	4876564.8	398.3	0	53	A	-13.9	-1.1	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516560.2	4876546.6	398.2	0	53	A	-13.7	-2.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516568.4	4876528.4	398.2	0	53	A	-14.8	-3.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516576.6	4876510.2	398.1	0	53	A	-16.5	-3.3	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516588.9	4876482.9	398.1	0	53	A	-16.1	-2.2	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516526.5	4876597.1	398.3	0	53	A	-17.9	-4.3	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516534.7	4876578.9	398.3	0	53	A	-16.5	-4.5	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516542.9	4876560.7	398.3	0	53	A	-15.5	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516551.1	4876542.5	398.2	0	53	A	-15.3	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516559.3	4876524.3	398.2	0	53	A	-16.1	-4.5	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516567.5	4876506.1	398.1	0	53	A	-17.5	-4.4	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516579.8	4876478.8	398.1	0	53	A	-16.6	-4.1	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516535.6	4876601.2	399.8	0	50	A	-17.1	2.9	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516543.8	4876583.0	399.7	0	50	A	-15.3	1.8	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516552.0	4876564.8	399.7	0	50	A	-13.9	0.6	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516560.2	4876546.6	399.6	0	50	A	-13.7	0.3	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516568.4	4876528.4	399.6	0	50	A	-14.8	0.7	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516576.6	4876510.2	399.5	0	50	A	-16.5	0.7	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516588.9	4876482.9	399.5	0	50	A	-16.1	1.4	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516526.5	4876597.1	399.8	0	50	A	-17.9	2.9	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516534.7	4876578.9	399.7	0	50	A	-16.5	2.0	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516542.9	4876560.7	399.7	0	50	A	-15.5	0.8	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516551.1	4876542.5	399.6	0	50	A	-15.3	0.8	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516559.3	4876524.3	399.6	0	50	A	-16.1	1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516567.5	4876506.1	399.5	0	50	A	-17.5	1.5	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516579.8	4876478.8	399.5	0	50	A	-16.6	2.0	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516504.1	4876685.3	399.4	0	53	A	-19.2	-2.0	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516517.8	4876647.7	398.9	0	53	A	-19.8	-0.2	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516527.0	4876622.6	398.5	0	53	A	-17.8	0.0	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516494.7	4876681.9	399.4	0	53	A	-19.4	-3.6	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516508.4	4876644.2	398.9	0	53	A	-20.1	-0.1	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516517.6	4876619.1	398.5	0	53	A	-18.4	-4.2	0.0	0.0	0.0	39

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	54

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516504.1	4876685.3	400.8	0	50	A	-19.2	2.7	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516517.8	4876647.7	400.3	0	50	A	-19.8	2.8	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516527.0	4876622.6	400.0	0	50	A	-17.8	2.6	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516494.7	4876681.9	400.8	0	50	A	-19.4	2.9	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516508.4	4876644.2	400.3	0	50	A	-20.1	3.7	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516517.6	4876619.1	400.0	0	50	A	-18.4	3.7	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516535.6	4876601.2	401.9	0	45	A	-17.1	-0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516543.8	4876583.0	401.9	0	45	A	-15.3	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516552.0	4876564.8	401.8	0	45	A	-13.9	-0.3	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516560.2	4876546.6	401.8	0	45	A	-13.7	-0.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516568.4	4876528.4	401.7	0	45	A	-14.8	-0.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516576.6	4876510.2	401.7	0	45	A	-16.5	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516588.9	4876482.9	401.6	0	45	A	-16.1	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516526.5	4876597.1	401.9	0	45	A	-17.9	-0.2	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516534.7	4876578.9	401.9	0	45	A	-16.5	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516542.9	4876560.7	401.8	0	45	A	-15.5	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516551.1	4876542.5	401.8	0	45	A	-15.3	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516559.3	4876524.3	401.7	0	45	A	-16.1	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516567.5	4876506.1	401.7	0	45	A	-17.5	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516579.8	4876478.8	401.6	0	45	A	-16.6	-0.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516608.3	4876440.1	397.8	0	53	A	-18.1	-2.0	0.0	0.0	0.0	37
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	53	A	-18.4	-3.7	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516712.2	4876095.2	396.1	0	53	A	-25.1	6.7	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516741.0	4875949.4	396.0	0	53	A	-27.5	7.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516784.3	4875730.8	395.9	0	53	A	-27.0	4.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516702.4	4876093.2	396.1	0	53	A	-25.1	7.0	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516731.2	4875947.5	396.0	0	53	A	-27.5	8.1	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	53	A	-27.0	2.9	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516608.3	4876440.1	399.2	0	50	A	-18.1	3.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516599.2	4876436.0	399.2	0	50	A	-18.4	3.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516631.5	4876387.0	397.4	0	53	A	-20.6	17.2	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516622.2	4876383.1	397.4	0	53	A	-20.7	8.4	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516504.1	4876685.3	402.9	0	45	A	-19.2	0.4	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516517.8	4876647.7	402.4	0	45	A	-19.8	0.2	0.0	0.0	0.0	25

Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	54

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516527.0	4876622.6	402.1	0	45	A	-17.8	0.0	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516494.7	4876681.9	402.9	0	45	A	-19.4	0.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516508.4	4876644.2	402.4	0	45	A	-20.1	0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516517.6	4876619.1	402.1	0	45	A	-18.4	0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516712.2	4876095.2	397.5	0	50	A	-25.1	12.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516741.0	4875949.4	397.4	0	50	A	-27.5	1.2	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516784.3	4875730.8	397.3	0	50	A	-27.0	0.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516702.4	4876093.2	397.5	0	50	A	-25.1	0.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516731.2	4875947.5	397.4	0	50	A	-27.5	0.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	50	A	-27.0	1.7	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	53	A	-21.9	-0.2	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	53	A	-22.1	3.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516656.5	4876321.5	397.0	0	53	A	-22.3	10.3	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516647.1	4876318.2	397.0	0	53	A	-22.4	6.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516631.5	4876387.0	398.8	0	50	A	-20.6	6.8	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516622.2	4876383.1	398.8	0	50	A	-20.7	3.6	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	53	A	-22.8	0.8	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	53	A	-23.0	-2.8	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	50	A	-21.9	4.6	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	50	A	-22.1	5.2	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516656.5	4876321.5	398.5	0	50	A	-22.3	6.6	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516647.1	4876318.2	398.5	0	50	A	-22.4	3.6	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	53	A	-25.1	8.8	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	53	A	-25.1	7.6	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516471.6	4877181.5	400.5	0	53	A	-32.3	6.7	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516474.8	4877340.5	400.9	0	53	A	-27.9	13.8	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516463.1	4877199.7	400.5	0	53	A	-30.1	8.1	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	50	A	-22.8	6.5	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	50	A	-23.0	6.8	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516464.3	4877084.6	399.2	0	53	A	-25.9	7.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	53	A	-25.9	-1.0	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516608.3	4876440.1	401.4	0	45	A	-18.1	0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516599.2	4876436.0	401.4	0	45	A	-18.4	0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	53	A	-26.3	7.5	0.0	0.0	0.0	19

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Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	54

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	53	A	-26.4	6.4	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516712.2	4876095.2	399.6	0	45	A	-25.1	7.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516741.0	4875949.4	399.6	0	45	A	-27.5	4.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516784.3	4875730.8	399.4	0	45	A	-27.0	2.6	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516702.4	4876093.2	399.6	0	45	A	-25.1	5.3	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516731.2	4875947.5	399.6	0	45	A	-27.5	4.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516774.5	4875728.9	399.4	0	45	A	-27.0	4.5	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	53	A	-26.8	6.9	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	53	A	-26.9	1.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516688.7	4876210.5	398.0	0	50	A	-25.1	10.8	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516678.9	4876208.4	398.0	0	50	A	-25.1	1.4	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516471.6	4877181.5	401.9	0	50	A	-32.3	8.2	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516463.1	4877199.7	401.9	0	50	A	-30.1	9.1	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516464.3	4877084.6	400.7	0	50	A	-25.9	7.7	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	50	A	-25.9	7.2	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516674.6	4876269.0	397.0	0	53	A	-27.9	7.9	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516665.1	4876266.0	397.0	0	53	A	-27.9	5.2	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516631.5	4876387.0	401.0	0	45	A	-20.6	1.2	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516622.2	4876383.1	401.0	0	45	A	-20.7	1.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	53	A	-28.7	1.6	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	50	A	-26.3	4.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	50	A	-26.4	5.9	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	50	A	-26.8	2.9	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	50	A	-26.9	1.0	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	53	A	-29.4	5.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	53	A	-29.5	5.5	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	45	A	-21.9	1.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	45	A	-22.1	1.2	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516656.5	4876321.5	400.6	0	45	A	-22.3	3.2	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516647.1	4876318.2	400.6	0	45	A	-22.4	2.8	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516674.6	4876269.0	398.4	0	50	A	-27.9	8.5	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516665.1	4876266.0	398.4	0	50	A	-27.9	3.8	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	45	A	-22.8	1.8	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	45	A	-23.0	2.1	0.0	0.0	0.0	20

Receiver: R04

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	54

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516514.6	4877735.6	401.1	0	53	A	-35.6	2.9	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516458.2	4876984.7	399.2	0	50	A	-28.6	8.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516448.2	4876985.0	399.2	0	50	A	-28.7	4.7	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	50	A	-29.4	8.4	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	50	A	-29.5	6.2	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	53	A	-33.0	3.5	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	53	A	-33.0	8.2	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516688.7	4876210.5	400.2	0	45	A	-25.1	6.0	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516678.9	4876208.4	400.2	0	45	A	-25.1	5.5	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516464.3	4877084.6	402.8	0	45	A	-25.9	4.4	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	45	A	-25.9	4.4	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	45	A	-26.3	2.2	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	45	A	-26.4	3.1	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	45	A	-26.8	3.4	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	45	A	-26.9	3.4	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	53	A	-35.8	6.4	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516674.6	4876269.0	400.6	0	45	A	-27.9	4.5	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516665.1	4876266.0	400.6	0	45	A	-27.9	4.3	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516458.2	4876984.7	401.4	0	45	A	-28.6	4.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516448.2	4876985.0	401.4	0	45	A	-28.7	4.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	45	A	-29.4	4.4	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	45	A	-29.5	4.4	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	53

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516468.3	4877139.6	400.1	0	53	A	-20.5	-3.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516465.7	4877102.9	399.5	0	53	A	-18.1	-4.0	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516463.0	4877066.3	399.0	0	53	A	-15.3	-3.8	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516461.0	4877038.8	398.5	0	53	A	-16.2	-2.1	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516459.7	4877020.5	398.2	0	53	A	-15.2	-0.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516458.3	4877140.3	400.1	0	53	A	-20.7	-3.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516455.7	4877103.7	399.5	0	53	A	-18.6	-4.0	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516453.0	4877067.0	399.0	0	53	A	-16.1	-4.2	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516451.1	4877039.5	398.5	0	53	A	-17.4	-4.4	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516449.7	4877021.2	398.2	0	53	A	-16.6	-4.5	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516468.3	4877139.6	401.5	0	50	A	-20.5	0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516465.7	4877102.9	401.0	0	50	A	-18.1	-0.1	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516463.0	4877066.3	400.4	0	50	A	-15.3	0.4	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516461.0	4877038.8	400.0	0	50	A	-16.2	1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516459.7	4877020.5	399.7	0	50	A	-15.2	1.8	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516458.3	4877140.3	401.5	0	50	A	-20.7	1.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516455.7	4877103.7	401.0	0	50	A	-18.6	0.0	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516453.0	4877067.0	400.4	0	50	A	-16.1	0.7	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516451.1	4877039.5	400.0	0	50	A	-17.4	1.9	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516449.7	4877021.2	399.7	0	50	A	-16.6	2.2	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516458.9	4877004.8	398.0	0	53	A	-16.3	-1.1	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516458.4	4876991.4	397.9	0	53	A	-16.6	-1.2	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516457.8	4876971.3	397.7	0	53	A	-14.8	1.8	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516448.7	4876998.4	398.0	0	53	A	-14.9	-4.5	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516447.8	4876971.6	397.7	0	53	A	-15.9	-4.4	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516472.5	4877193.1	400.5	0	53	A	-20.2	7.7	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516468.5	4877264.3	400.7	0	53	A	-23.0	15.5	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516462.6	4877193.9	400.5	0	53	A	-20.4	3.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516458.9	4877004.8	399.5	0	50	A	-16.3	2.0	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516458.4	4876991.4	399.3	0	50	A	-16.6	2.5	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516457.8	4876971.3	399.1	0	50	A	-14.8	3.4	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516448.7	4876998.4	399.4	0	50	A	-14.9	2.4	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516447.8	4876971.6	399.1	0	50	A	-15.9	3.4	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516457.8	4876939.8	397.3	0	53	A	-15.8	16.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	53	A	-16.6	2.4	0.0	0.0	0.0	34

Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	53

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516468.3	4877139.6	403.7	0	45	A	-20.5	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516465.7	4877102.9	403.1	0	45	A	-18.1	-0.3	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516463.0	4877066.3	402.5	0	45	A	-15.3	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516461.0	4877038.8	402.1	0	45	A	-16.2	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516459.7	4877020.5	401.8	0	45	A	-15.2	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516458.3	4877140.3	403.7	0	45	A	-20.7	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516455.7	4877103.7	403.1	0	45	A	-18.6	-0.3	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516453.0	4877067.0	402.5	0	45	A	-16.1	-0.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516451.1	4877039.5	402.1	0	45	A	-17.4	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516449.7	4877021.2	401.8	0	45	A	-16.6	-0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516487.2	4877369.1	402.4	0	50	A	-22.7	1.5	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516478.4	4877263.5	402.1	0	50	A	-22.9	5.8	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516472.5	4877193.1	401.9	0	50	A	-20.2	2.8	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516477.3	4877369.9	402.4	0	50	A	-22.8	5.6	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516468.5	4877264.3	402.1	0	50	A	-23.0	-3.0	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516462.6	4877193.9	401.9	0	50	A	-20.4	3.0	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	53	A	-17.3	14.0	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	53	A	-17.7	2.8	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516457.8	4876939.8	398.7	0	50	A	-15.8	6.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516447.8	4876939.6	398.7	0	50	A	-16.6	5.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516460.8	4876895.5	399.2	0	50	A	-17.3	8.7	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516450.8	4876894.6	399.2	0	50	A	-17.7	8.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516458.9	4877004.8	401.6	0	45	A	-16.3	-0.4	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516458.4	4876991.4	401.4	0	45	A	-16.6	-0.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516457.8	4876971.3	401.2	0	45	A	-14.8	-0.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516448.7	4876998.4	401.5	0	45	A	-14.9	-0.3	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516447.8	4876971.6	401.2	0	45	A	-15.9	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516465.7	4876846.7	398.8	0	53	A	-20.8	7.3	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	53	A	-21.0	6.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516474.8	4876791.8	399.1	0	53	A	-21.4	7.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	53	A	-21.6	0.1	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516487.2	4877369.1	404.5	0	45	A	-22.7	5.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516478.4	4877263.5	404.2	0	45	A	-22.9	1.8	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516472.5	4877193.1	404.0	0	45	A	-20.2	0.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516477.3	4877369.9	404.5	0	45	A	-22.8	4.2	0.0	0.0	0.0	18

Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	53

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516468.5	4877264.3	404.2	0	45	A	-23.0	2.3	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516462.6	4877193.9	404.0	0	45	A	-20.4	0.1	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516513.2	4876660.2	399.0	0	53	A	-23.5	7.9	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	53	A	-23.6	-0.4	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516465.7	4876846.7	400.2	0	50	A	-20.8	9.8	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516455.8	4876845.7	400.2	0	50	A	-21.0	9.8	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516474.8	4876791.8	400.5	0	50	A	-21.4	10.6	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516465.0	4876789.7	400.5	0	50	A	-21.6	10.7	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516564.3	4876537.5	398.2	0	53	A	-24.4	8.1	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516555.2	4876533.4	398.2	0	53	A	-24.5	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516457.8	4876939.8	400.9	0	45	A	-15.8	0.4	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516447.8	4876939.6	400.9	0	45	A	-16.6	0.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516488.3	4876734.6	399.4	0	53	A	-24.7	9.1	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	53	A	-24.8	0.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516749.8	4875905.2	396.0	0	53	A	-26.6	15.8	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516716.8	4876020.3	396.0	0	53	A	-28.4	9.6	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516774.5	4875728.9	395.9	0	53	A	-30.6	3.2	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516460.8	4876895.5	401.4	0	45	A	-17.3	1.7	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516450.8	4876894.6	401.4	0	45	A	-17.7	1.5	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516497.8	4877509.1	401.1	0	53	A	-25.7	-2.2	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516513.2	4876660.2	400.5	0	50	A	-23.5	11.3	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516503.9	4876656.8	400.5	0	50	A	-23.6	11.6	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516510.1	4877676.4	401.1	0	53	A	-26.7	-1.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516500.1	4877677.2	401.1	0	53	A	-26.7	-1.3	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516564.3	4876537.5	399.6	0	50	A	-24.4	7.8	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516555.2	4876533.4	399.6	0	50	A	-24.5	6.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516488.3	4876734.6	400.8	0	50	A	-24.7	11.2	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516478.6	4876732.0	400.8	0	50	A	-24.8	11.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516716.8	4876020.3	397.5	0	50	A	-28.4	11.3	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516774.5	4875728.9	397.3	0	50	A	-30.6	4.6	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516497.8	4877509.1	402.5	0	50	A	-25.7	8.0	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516510.1	4877676.4	402.5	0	50	A	-26.7	8.9	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516500.1	4877677.2	402.5	0	50	A	-26.7	3.0	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516465.7	4876846.7	402.4	0	45	A	-20.8	3.5	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516455.8	4876845.7	402.4	0	45	A	-21.0	3.3	0.0	0.0	0.0	20

Receiver: R06

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	53

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afol	RL	Lr
Hwy 6	Hwy 6	516523.5	4877860.7	402.1	0	53	A	-29.4	7.3	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516513.5	4877861.4	402.1	0	53	A	-29.4	0.4	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516474.8	4876791.8	402.7	0	45	A	-21.4	4.7	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516465.0	4876789.7	402.7	0	45	A	-21.6	5.0	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516608.3	4876440.1	397.8	0	53	A	-31.0	8.5	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	53	A	-31.0	0.1	0.0	0.0	0.0	22
Hwy 6	Hwy 6	516650.4	4876338.6	397.1	0	53	A	-33.6	2.5	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516647.1	4876318.2	397.0	0	53	A	-31.1	7.6	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516513.2	4876660.2	402.6	0	45	A	-23.5	6.6	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516503.9	4876656.8	402.6	0	45	A	-23.6	7.0	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516622.2	4876383.1	397.4	0	53	A	-31.2	11.2	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516523.5	4877860.7	403.5	0	50	A	-29.4	3.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516513.5	4877861.4	403.5	0	50	A	-29.4	3.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516564.3	4876537.5	401.7	0	45	A	-24.4	7.3	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516555.2	4876533.4	401.7	0	45	A	-24.5	7.2	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516678.9	4876208.4	396.6	0	53	A	-32.0	10.9	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516529.9	4878002.4	402.6	0	53	A	-32.7	9.6	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516519.9	4878002.5	402.6	0	53	A	-32.7	6.2	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516488.3	4876734.6	403.0	0	45	A	-24.7	6.1	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516478.6	4876732.0	403.0	0	45	A	-24.8	6.0	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516497.8	4877509.1	404.7	0	45	A	-25.7	7.8	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516487.9	4877509.8	404.7	0	45	A	-25.7	6.9	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516608.3	4876440.1	399.2	0	50	A	-31.0	7.5	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516599.2	4876436.0	399.2	0	50	A	-31.0	6.9	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516647.1	4876318.2	398.5	0	50	A	-31.1	8.4	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516622.2	4876383.1	398.8	0	50	A	-31.2	9.2	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516500.1	4877677.2	404.7	0	45	A	-26.7	3.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516529.9	4878002.4	404.1	0	50	A	-32.7	4.0	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516523.5	4877860.7	405.7	0	45	A	-29.4	4.0	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516513.5	4877861.4	405.7	0	45	A	-29.4	4.0	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

U.S. Federal Highway Administration - Traffic Noise Model

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Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	52

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	RefL	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516516.6	4877761.8	401.1	0	53	A	-13.5	27.8	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516514.9	4877738.6	401.1	0	53	A	-14.4	-4.7	0.0	0.0	0.0	43
Hwy 6	Hwy 6	516513.2	4877717.3	401.1	0	53	A	-15.7	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516511.6	4877695.9	401.1	0	53	A	-17.5	-4.5	0.0	0.0	0.0	40
Hwy 6	Hwy 6	516509.9	4877674.6	401.1	0	53	A	-19.2	-4.3	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516507.5	4877642.5	401.1	0	53	A	-18.4	-4.1	0.0	0.0	0.0	39
Hwy 6	Hwy 6	516504.2	4877599.9	401.1	0	53	A	-20.9	-3.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516506.6	4877762.2	401.1	0	53	A	-14.9	27.2	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516504.8	4877738.7	401.1	0	53	A	-15.8	-4.6	0.0	0.0	0.0	42
Hwy 6	Hwy 6	516503.2	4877717.5	401.1	0	53	A	-16.9	-4.5	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516500.7	4877685.6	401.1	0	53	A	-16.0	-4.3	0.0	0.0	0.0	41
Hwy 6	Hwy 6	516497.5	4877643.0	401.1	0	53	A	-18.8	-4.0	0.0	0.0	0.0	38
Hwy 6	Hwy 6	516494.2	4877600.5	401.1	0	53	A	-21.1	-3.7	0.0	0.0	0.0	36
Hwy 6	Hwy 6	516514.9	4877738.6	402.5	0	50	A	-14.4	0.6	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516513.2	4877717.3	402.5	0	50	A	-15.7	1.1	0.0	0.0	0.0	34
Hwy 6	Hwy 6	516511.6	4877695.9	402.5	0	50	A	-17.5	0.9	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516509.9	4877674.6	402.5	0	50	A	-19.2	0.6	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516507.5	4877642.5	402.5	0	50	A	-18.4	-0.1	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516504.2	4877599.9	402.5	0	50	A	-20.9	0.2	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516504.8	4877738.7	402.5	0	50	A	-15.8	1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516503.2	4877717.5	402.5	0	50	A	-16.9	0.9	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516500.7	4877685.6	402.5	0	50	A	-16.0	1.3	0.0	0.0	0.0	33
Hwy 6	Hwy 6	516497.5	4877643.0	402.5	0	50	A	-18.8	1.6	0.0	0.0	0.0	30
Hwy 6	Hwy 6	516494.2	4877600.5	402.5	0	50	A	-21.1	1.7	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516514.9	4877738.6	404.7	0	45	A	-14.4	-0.6	0.0	0.0	0.0	31
Hwy 6	Hwy 6	516513.2	4877717.3	404.7	0	45	A	-15.7	-0.3	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516511.6	4877695.9	404.7	0	45	A	-17.5	-0.5	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516509.9	4877674.6	404.7	0	45	A	-19.2	0.1	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516507.5	4877642.5	404.7	0	45	A	-18.4	-0.1	0.0	0.0	0.0	26
Hwy 6	Hwy 6	516504.2	4877599.9	404.7	0	45	A	-20.9	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516504.8	4877738.7	404.7	0	45	A	-15.8	-0.5	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516503.2	4877717.5	404.7	0	45	A	-16.9	-0.2	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516500.7	4877685.6	404.7	0	45	A	-16.0	-0.1	0.0	0.0	0.0	29
Hwy 6	Hwy 6	516497.5	4877643.0	404.7	0	45	A	-18.8	-0.1	0.0	0.0	0.0	26

Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	52

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516494.2	4877600.5	404.7	0	45	A	-21.1	0.1	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516500.2	4877543.8	401.1	0	53	A	-21.3	-3.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516495.5	4877474.3	401.1	0	53	A	-23.7	-2.7	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516490.2	4877544.5	401.1	0	53	A	-21.4	-3.3	0.0	0.0	0.0	35
Hwy 6	Hwy 6	516485.5	4877475.0	401.1	0	53	A	-23.8	-2.7	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516487.2	4877369.1	400.9	0	53	A	-23.3	6.9	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516475.5	4877228.3	400.6	0	53	A	-26.0	12.2	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516477.3	4877369.9	400.9	0	53	A	-23.3	-2.0	0.0	0.0	0.0	32
Hwy 6	Hwy 6	516465.5	4877229.1	400.6	0	53	A	-26.0	9.3	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516500.2	4877543.8	402.5	0	50	A	-21.3	1.1	0.0	0.0	0.0	28
Hwy 6	Hwy 6	516495.5	4877474.3	402.5	0	50	A	-23.7	3.3	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516490.2	4877544.5	402.5	0	50	A	-21.4	1.9	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516485.5	4877475.0	402.5	0	50	A	-23.8	1.7	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516487.2	4877369.1	402.4	0	50	A	-23.3	6.1	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516475.5	4877228.3	402.0	0	50	A	-26.0	4.1	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516477.3	4877369.9	402.4	0	50	A	-23.3	0.4	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516465.5	4877229.1	402.0	0	50	A	-26.0	-2.9	0.0	0.0	0.0	27
Hwy 6	Hwy 6	516500.2	4877543.8	404.7	0	45	A	-21.3	-0.3	0.0	0.0	0.0	24
Hwy 6	Hwy 6	516495.5	4877474.3	404.7	0	45	A	-23.7	0.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516490.2	4877544.5	404.7	0	45	A	-21.4	0.5	0.0	0.0	0.0	23
Hwy 6	Hwy 6	516485.5	4877475.0	404.7	0	45	A	-23.8	1.3	0.0	0.0	0.0	20
Hwy 6	Hwy 6	516464.3	4877084.6	399.2	0	53	A	-28.0	4.4	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516454.4	4877085.3	399.2	0	53	A	-28.0	4.5	0.0	0.0	0.0	21
Hwy 6	Hwy 6	516487.2	4877369.1	404.5	0	45	A	-23.3	2.2	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516475.5	4877228.3	404.1	0	45	A	-26.0	4.7	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516477.3	4877369.9	404.5	0	45	A	-23.3	2.4	0.0	0.0	0.0	19
Hwy 6	Hwy 6	516465.5	4877229.1	404.1	0	45	A	-26.0	3.7	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516755.5	4875876.6	396.0	0	53	A	-30.8	11.5	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516745.7	4875874.6	396.0	0	53	A	-30.8	11.4	0.0	0.0	0.0	11
Hwy 6	Hwy 6	516464.3	4877084.6	400.7	0	50	A	-28.0	7.4	0.0	0.0	0.0	15
Hwy 6	Hwy 6	516454.4	4877085.3	400.7	0	50	A	-28.0	-2.6	0.0	0.0	0.0	25
Hwy 6	Hwy 6	516533.3	4876581.9	398.3	0	53	A	-37.2	4.1	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516503.9	4876656.8	399.0	0	53	A	-33.6	2.6	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516448.2	4876985.0	397.8	0	53	A	-33.6	-0.5	0.0	0.0	0.0	20

Receiver: R07

Project: Watson Pit - Background Ambient

Project Number: 23153

Time Period	Total (dBA)*
Night	52

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	Freq	Ad	Agr	Aatm	Afot	RL	Lr
Hwy 6	Hwy 6	516465.0	4876789.7	399.1	0	53	A	-34.5	0.7	0.0	0.0	0.0	18
Hwy 6	Hwy 6	516460.8	4876895.5	397.8	0	53	A	-34.6	5.5	0.0	0.0	0.0	13
Hwy 6	Hwy 6	516450.8	4876894.6	397.8	0	53	A	-34.6	4.4	0.0	0.0	0.0	14
Hwy 6	Hwy 6	516454.4	4877085.3	402.8	0	45	A	-28.0	4.9	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516455.8	4876845.7	398.8	0	53	A	-35.8	0.5	0.0	0.0	0.0	17
Hwy 6	Hwy 6	516447.8	4876939.6	397.3	0	53	A	-35.8	7.0	0.0	0.0	0.0	10
Hwy 6	Hwy 6	516478.6	4876732.0	399.4	0	53	A	-36.3	0.9	0.0	0.0	0.0	16
Hwy 6	Hwy 6	516688.7	4876210.5	396.6	0	53	A	-37.5	3.7	0.0	0.0	0.0	12
Hwy 6	Hwy 6	516599.2	4876436.0	397.8	0	53	A	-38.2	4.3	0.0	0.0	0.0	11

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

TABLE 3.1: TRIP GENERATION ESTIMATES

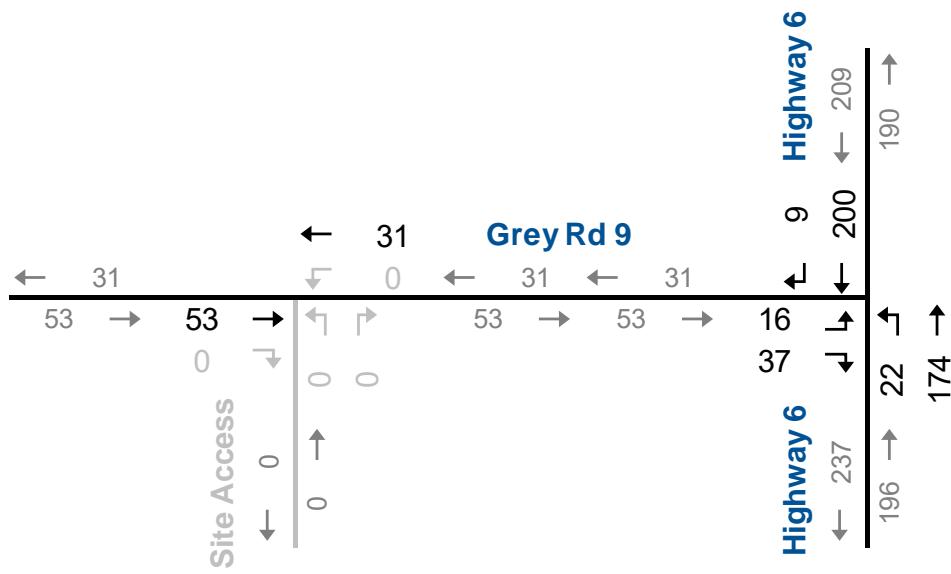
Measure	Units	Input	Calculation
Annual Rate of Extraction	tonnes/year	750,000	-
Operating Days during Peak Demand	days/year	250	-
Average Extraction per Day	tonnes/day	4,000	-
Average Payload per Truck	tonnes/truck	35	-
Average Number of Trucks per day	trucks/day	-	114
Operating Hours per day	hours	12	-
Average Number of Trucks per hour	trucks/hour	-	10
Peak Hour Entering Volume	trucks/hour	-	10
Peak Hour Exiting Volume	trucks/hour	-	10
Employees per peak hour	employees/hour	6	

In addition to trucks entering and exiting the site, Teeswater Concrete Ltd. has indicated that 6 employees are expected for the morning and afternoon trips.

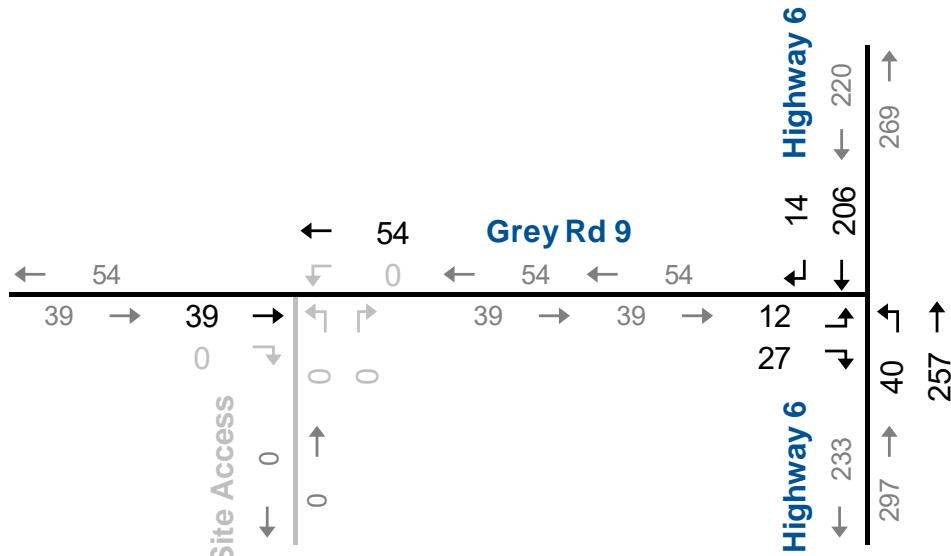




AM Peak Hour



PM Peak Hour



NTS



Existing Traffic Volumes

311804 Highway 6 Mount Forest, ON TIS
230289

Figure 2.2



 aercoustics	Project ID: 23153.00	Project Name	Watson Pit - NIS	Figure Title	Haul Route - Existing Traffic Noise Impact	Figure B1
	Scale: As Indicated Drawn by: MH Reviewed by: KC Date: Jan 10, 2024 Revision: 1					



 aercoustics	Project ID: 23153.00 Scale: As Indicated Drawn by: MH Reviewed by: KC Date: Jan 10, 2024 Revision: 1	Project Name Watson Pit - NIS Figure Title Haul Route - Future Noise Impact with Typical Haul Traffic	Figure B2



 aercoustics	Project ID: 23153.00 Scale: As Indicated Drawn by: MH Reviewed by: KC Date: Jan 10, 2024 Revision: 1	Project Name Watson Pit - NIS Figure Title Haul Route - Future Noise Impact with Worst-Case Haul Traffic	Figure B3

Appendix C

Stationary Noise Sample Calculations

Receiver: R01

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	48

Receiver Name	Receiver ID	X	Y	Z
R01	R01	516641 m	4876219 m	401.6 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	69.2	0.0	-1.2	5.8	3.4	0.0	0.0	0.0	0.0	46	
D04_Conveyor	Conveyor	516070.9	4876768.9	396.0	0	81	21.8	A	69.0	0.0	-0.3	4.0	1.3	0.0	0.0	0.0	0.0	29	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	67.9	0.0	-0.7	4.3	2.7	0.0	0.0	0.0	0.0	36	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	68.5	0.0	-0.8	4.9	2.2	0.0	0.0	0.0	0.0	44	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	68.7	0.0	-0.9	4.3	2.9	0.0	0.0	0.0	0.0	32	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	72.1	0.0	-1.4	4.7	4.3	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516009.0	4876848.4	396.2	0	76	21.4	A	70.0	0.0	-1.7	4.7	3.6	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516061.1	4876922.4	395.9	0	76	16.5	A	70.2	0.0	-1.6	4.7	3.6	0.0	0.0	0.0	0.0	15	
A03_Trucks	TruckPath	516104.3	4876983.8	395.6	0	76	18.9	A	70.4	0.0	-1.2	4.7	3.7	0.0	0.0	0.0	0.0	17	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R02

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	48

Receiver Name	Receiver ID	X	Y	Z
R02	R02	516657 m	4876394 m	403.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	68.4	0.0	-1.6	8.3	3.2	0.0	0.0	0.0	0.0	45	
D04_Conveyor	Conveyor	516136.3	4876796.4	396.0	0	81	10.7	A	67.4	0.0	0.0	4.3	1.1	0.0	0.0	0.0	0.0	19	
D04_Conveyor	Conveyor	516066.2	4876766.9	396.0	0	81	21.5	A	67.9	0.0	-0.3	4.1	1.2	0.0	0.0	0.0	0.0	30	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	66.4	0.0	-0.4	4.2	2.4	0.0	0.0	0.0	0.0	37	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	67.1	0.0	-0.8	6.6	2.0	0.0	0.0	0.0	0.0	44	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	67.8	0.0	-1.2	4.5	2.7	0.0	0.0	0.0	0.0	33	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	71.0	0.0	-1.1	4.7	3.9	0.0	0.0	0.0	0.0	23	
A03_Trucks	TruckPath	515998.1	4876832.9	396.2	0	76	20.0	A	69.0	0.0	-1.8	4.7	3.3	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516037.3	4876888.7	396.0	0	76	15.7	A	69.0	0.0	-1.6	4.7	3.3	0.0	0.0	0.0	0.0	16	
A03_Trucks	TruckPath	516052.1	4876909.7	395.9	0	76	11.4	A	69.0	0.0	-1.5	4.7	3.3	0.0	0.0	0.0	0.0	11	
A03_Trucks	TruckPath	516083.2	4876953.8	395.7	0	76	19.7	A	69.1	0.0	-1.3	4.7	3.3	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516122.5	4877009.6	395.5	0	76	16.3	A	69.2	0.0	-1.1	4.7	3.3	0.0	0.0	0.0	0.0	16	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R03

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	48

Receiver Name	Receiver ID	X	Y	Z
R03	R03	516662 m	4876438 m	402.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	68.2	0.0	-1.5	8.6	3.1	0.0	0.0	0.0	0.0	45	
D04_Conveyor	Conveyor	516134.7	4876795.7	396.0	0	81	11.9	A	67.1	0.0	0.0	4.4	1.1	0.0	0.0	0.0	0.0	20	
D04_Conveyor	Conveyor	516064.5	4876766.2	396.0	0	81	21.4	A	67.7	0.0	-0.2	4.0	1.1	0.0	0.0	0.0	0.0	30	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	66.1	0.0	-0.4	4.2	2.3	0.0	0.0	0.0	0.0	38	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	66.8	0.0	-0.7	6.9	1.9	0.0	0.0	0.0	0.0	44	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	67.7	0.0	-1.2	4.5	2.6	0.0	0.0	0.0	0.0	33	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	70.7	0.0	-1.1	4.7	3.8	0.0	0.0	0.0	0.0	23	
A03_Trucks	TruckPath	515994.8	4876828.3	396.3	0	76	19.4	A	68.8	0.0	-1.7	4.7	3.2	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516029.0	4876876.8	396.0	0	76	14.9	A	68.7	0.0	-1.6	4.7	3.2	0.0	0.0	0.0	0.0	15	
A03_Trucks	TruckPath	516044.4	4876898.7	396.0	0	76	13.6	A	68.7	0.0	-1.5	4.7	3.2	0.0	0.0	0.0	0.0	14	
A03_Trucks	TruckPath	516078.2	4876946.7	395.7	0	76	19.7	A	68.8	0.0	-1.4	4.7	3.2	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516120.0	4877006.1	395.5	0	76	17.1	A	68.9	0.0	-1.0	4.7	3.2	0.0	0.0	0.0	0.0	17	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R04

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	47

Receiver Name	Receiver ID	X	Y	Z
R04	R04	516600 m	4876572 m	399 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	67.0	0.0	0.3	8.7	2.8	0.0	0.0	0.0	0.0	0.0	44
D04_Conveyor	Conveyor	516136.4	4876796.5	396.0	0	81	10.6	A	65.2	0.0	1.9	5.7	0.9	0.0	0.0	0.0	0.0	0.0	18
D04_Conveyor	Conveyor	516124.3	4876791.4	396.0	0	81	11.7	A	65.4	0.0	1.9	3.4	0.9	0.0	0.0	0.0	0.0	0.0	21
D04_Conveyor	Conveyor	516059.5	4876764.1	396.0	0	81	21.0	A	66.2	0.0	1.8	2.7	1.0	0.0	0.0	0.0	0.0	0.0	30
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	64.0	0.0	0.9	3.6	2.0	0.0	0.0	0.0	0.0	0.0	39
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	64.9	0.0	2.3	8.7	1.6	0.0	0.0	0.0	0.0	0.0	41
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	66.4	0.0	0.1	3.7	2.4	0.0	0.0	0.0	0.0	0.0	34
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	69.2	0.0	0.6	3.7	3.3	0.0	0.0	0.0	0.0	0.0	25
A03_Trucks	TruckPath	515986.3	4876816.2	396.3	0	76	17.6	A	67.4	0.0	-0.1	4.0	2.8	0.0	0.0	0.0	0.0	0.0	19
A03_Trucks	TruckPath	516006.9	4876845.5	396.2	0	76	11.4	A	67.3	0.0	-0.1	4.0	2.8	0.0	0.0	0.0	0.0	0.0	13
A03_Trucks	TruckPath	516024.9	4876871.0	396.1	0	76	16.9	A	67.2	0.0	0.0	4.0	2.8	0.0	0.0	0.0	0.0	0.0	18
A03_Trucks	TruckPath	516067.2	4876931.1	395.8	0	76	19.9	A	67.2	0.0	0.2	3.9	2.7	0.0	0.0	0.0	0.0	0.0	21
A03_Trucks	TruckPath	516115.1	4876999.2	395.5	0	76	18.3	A	67.2	0.0	0.5	3.8	2.8	0.0	0.0	0.0	0.0	0.0	20

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R05

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	47

Receiver Name	Receiver ID	X	Y	Z
R05	R05	516562 m	4876831 m	402.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	66.5	0.0	-1.5	14.4	2.7	0.0	0.0	0.0	0.0	41	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	64.9	0.0	-0.2	4.6	0.9	0.0	0.0	0.0	0.0	33	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	62.5	0.0	0.0	8.0	1.7	0.0	0.0	0.0	0.0	38	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	63.3	0.0	-0.3	11.3	1.4	0.0	0.0	0.0	0.0	43	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	66.1	0.0	-1.3	4.5	2.3	0.0	0.0	0.0	0.0	35	
A03_Trucks	TruckPath	516117.2	4877122.9	396.9	0	76	22.9	A	65.5	0.0	-1.1	4.8	2.3	0.0	0.0	0.0	0.0	27	
A03_Trucks	TruckPath	516082.1	4877314.7	399.9	0	76	22.9	A	67.7	0.0	-1.1	4.7	2.9	0.0	0.0	0.0	0.0	24	
A03_Trucks	TruckPath	515978.1	4876804.5	396.4	0	76	14.7	A	66.3	0.0	-1.7	4.7	2.5	0.0	0.0	0.0	0.0	18	
A03_Trucks	TruckPath	516014.6	4876856.4	396.1	0	76	19.9	A	65.8	0.0	-1.6	4.7	2.4	0.0	0.0	0.0	0.0	24	
A03_Trucks	TruckPath	516088.7	4876961.6	395.7	0	76	22.0	A	64.8	0.0	-0.9	4.7	2.2	0.0	0.0	0.0	0.0	27	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R06

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	46

Receiver Name	Receiver ID	X	Y	Z
R06	R06	516511 m	4877004 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	66.8	0.0	0.2	13.8	2.7	0.0	0.0	0.0	0.0	0.0	40
D04_Conveyor	Conveyor	516078.9	4876772.2	396.0	0	81	21.4	A	64.8	0.0	1.7	3.7	0.9	0.0	0.0	0.0	0.0	0.0	31
D04_Conveyor	Conveyor	516008.7	4876742.7	396.0	0	81	12.0	A	66.1	0.0	1.6	2.8	1.0	0.0	0.0	0.0	0.0	0.0	21
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	63.1	0.0	0.9	7.0	1.8	0.0	0.0	0.0	0.0	0.0	37
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	63.4	0.0	2.3	9.1	1.4	0.0	0.0	0.0	0.0	0.0	43
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	66.6	0.0	0.1	3.7	2.4	0.0	0.0	0.0	0.0	0.0	34
A03_Trucks	TruckPath	516117.2	4877122.9	396.9	0	76	22.9	A	63.3	0.0	0.6	7.7	1.9	0.0	0.0	0.0	0.0	0.0	25
A03_Trucks	TruckPath	516082.1	4877314.7	399.9	0	76	22.9	A	65.5	0.0	0.4	3.9	2.3	0.0	0.0	0.0	0.0	0.0	26
A03_Trucks	TruckPath	516010.9	4876851.1	396.2	0	76	21.6	A	65.4	0.0	-0.1	4.0	2.3	0.0	0.0	0.0	0.0	0.0	26
A03_Trucks	TruckPath	516093.4	4876968.4	395.7	0	76	21.6	A	63.5	0.0	0.3	4.1	1.9	0.0	0.0	0.0	0.0	0.0	27

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R07

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	45

Receiver Name	Receiver ID	X	Y	Z
R07	R07	516567 m	4877749 m	404.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	72.6	0.0	-1.4	4.7	4.6	0.0	0.0	0.0	0.0	43	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	71.8	0.0	-0.1	3.9	1.7	0.0	0.0	0.0	0.0	26	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	71.5	0.0	-0.7	4.2	3.6	0.0	0.0	0.0	0.0	31	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	71.4	0.0	-0.8	5.2	2.8	0.0	0.0	0.0	0.0	40	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.7	0.0	-1.1	4.3	3.9	0.0	0.0	0.0	0.0	27	
A03_Trucks	TruckPath	516117.2	4877122.9	396.9	0	76	22.9	A	68.7	0.0	-1.0	4.7	3.2	0.0	0.0	0.0	0.0	23	
A03_Trucks	TruckPath	516082.1	4877314.7	399.9	0	76	22.9	A	67.3	0.0	-1.0	4.7	2.8	0.0	0.0	0.0	0.0	25	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	70.9	0.0	-1.2	4.7	3.9	0.0	0.0	0.0	0.0	22	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R08

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	45

Receiver Name	Receiver ID	X	Y	Z
R08	R08	516463 m	4877694 m	403.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	71.9	0.0	0.7	3.5	4.3	0.0	0.0	0.0	0.0	0.0	43
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	71.0	0.0	2.2	2.3	1.6	0.0	0.0	0.0	0.0	0.0	26
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	70.8	0.0	0.9	3.2	3.4	0.0	0.0	0.0	0.0	0.0	32
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	70.6	0.0	2.4	2.4	2.7	0.0	0.0	0.0	0.0	0.0	41
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.0	0.0	0.5	3.3	3.7	0.0	0.0	0.0	0.0	0.0	27
A03_Trucks	TruckPath	516117.2	4877122.9	396.9	0	76	22.9	A	67.5	0.0	0.5	3.8	2.8	0.0	0.0	0.0	0.0	0.0	24
A03_Trucks	TruckPath	516082.1	4877314.7	399.9	0	76	22.9	A	65.6	0.0	0.5	3.9	2.4	0.0	0.0	0.0	0.0	0.0	26
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	69.9	0.0	0.4	3.8	3.6	0.0	0.0	0.0	0.0	0.0	22

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R09

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	48

Receiver Name	Receiver ID	X	Y	Z
R09	R09	515701 m	4877420 m	402.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	68.8	0.0	0.7	3.7	3.3	0.0	0.0	0.0	0.0	47	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	68.5	0.0	2.2	2.5	1.2	0.0	0.0	0.0	0.0	28	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	69.3	0.0	0.5	10.4	3.0	0.0	0.0	0.0	0.0	27	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	68.8	0.0	2.1	2.5	2.3	0.0	0.0	0.0	0.0	43	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	69.3	0.0	0.4	11.8	3.0	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516118.7	4877114.4	396.8	0	76	22.5	A	65.3	0.0	0.3	3.9	2.3	0.0	0.0	0.0	0.0	26	
A03_Trucks	TruckPath	516093.7	4877251.6	398.9	0	76	20.0	A	63.6	0.0	0.3	4.0	1.9	0.0	0.0	0.0	0.0	26	
A03_Trucks	TruckPath	516075.5	4877351.0	400.5	0	76	20.0	A	62.6	0.0	0.3	4.0	1.8	0.0	0.0	0.0	0.0	27	
A03_Trucks	TruckPath	516065.5	4877405.7	401.3	0	76	10.0	A	62.2	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516028.7	4876876.4	396.0	0	76	23.1	A	67.0	0.0	0.6	8.6	2.7	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516111.2	4876993.6	395.5	0	76	19.1	A	66.4	0.0	0.5	4.0	2.6	0.0	0.0	0.0	0.0	21	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R10

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	48

Receiver Name	Receiver ID	X	Y	Z
R10	R10	515629 m	4877388 m	400.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	68.8	0.0	0.9	3.6	3.3	0.0	0.0	0.0	0.0	0.0	47
D04_Conveyor	Conveyor	516070.8	4876768.8	396.0	0	81	21.8	A	68.6	0.0	2.2	2.4	1.3	0.0	0.0	0.0	0.0	0.0	28
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	69.5	0.0	0.5	9.6	3.1	0.0	0.0	0.0	0.0	0.0	27
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	69.0	0.0	2.1	2.5	2.3	0.0	0.0	0.0	0.0	0.0	43
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	69.3	0.0	0.5	9.0	3.0	0.0	0.0	0.0	0.0	0.0	25
A03_Trucks	TruckPath	516119.2	4877111.8	396.7	0	76	22.4	A	66.0	0.0	0.4	5.7	2.5	0.0	0.0	0.0	0.0	0.0	23
A03_Trucks	TruckPath	516085.0	4877299.0	399.7	0	76	23.2	A	64.3	0.0	0.4	3.9	2.1	0.0	0.0	0.0	0.0	0.0	28
A03_Trucks	TruckPath	516065.4	4877406.0	401.3	0	76	9.7	A	63.8	0.0	1.7	3.5	2.0	0.0	0.0	0.0	0.0	0.0	14
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	67.1	0.0	1.1	9.0	2.7	0.0	0.0	0.0	0.0	0.0	20

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R11

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	47

Receiver Name	Receiver ID	X	Y	Z
R11	R11	515541 m	4877400 m	398.3 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	69.4	0.0	1.1	3.5	3.5	0.0	0.0	0.0	0.0	46	
D04_Conveyor	Conveyor	516139.6	4876797.8	396.0	0	81	6.7	A	69.6	0.0	2.3	2.3	1.4	0.0	0.0	0.0	0.0	12	
D04_Conveyor	Conveyor	516069.4	4876768.3	396.0	0	81	21.7	A	69.3	0.0	2.2	2.3	1.3	0.0	0.0	0.0	0.0	28	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	70.2	0.0	0.5	9.2	3.2	0.0	0.0	0.0	0.0	27	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	69.7	0.0	2.2	2.5	2.5	0.0	0.0	0.0	0.0	42	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	69.9	0.0	0.6	8.6	3.2	0.0	0.0	0.0	0.0	25	
A03_Trucks	TruckPath	516114.8	4877135.9	397.1	0	76	23.5	A	67.0	0.0	0.5	5.2	2.7	0.0	0.0	0.0	0.0	24	
A03_Trucks	TruckPath	516080.6	4877323.0	400.0	0	76	22.0	A	65.7	0.0	0.5	3.9	2.4	0.0	0.0	0.0	0.0	25	
A03_Trucks	TruckPath	516065.4	4877405.9	401.3	0	76	9.8	A	65.4	0.0	1.8	3.4	2.3	0.0	0.0	0.0	0.0	12	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	68.0	0.0	1.1	8.3	3.0	0.0	0.0	0.0	0.0	20	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R12

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	46

Receiver Name	Receiver ID	X	Y	Z
R12	R12	515304 m	4877471 m	407.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	71.3	0.0	-0.6	4.5	4.1	0.0	0.0	0.0	0.0	44	
D04_Conveyor	Conveyor	516137.2	4876796.8	396.0	0	81	10.0	A	71.6	0.0	0.0	3.8	1.7	0.0	0.0	0.0	0.0	14	
D04_Conveyor	Conveyor	516067.0	4876767.2	396.0	0	81	21.5	A	71.3	0.0	0.0	3.9	1.6	0.0	0.0	0.0	0.0	26	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	72.1	0.0	-1.0	7.0	3.7	0.0	0.0	0.0	0.0	28	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	71.7	0.0	-0.9	4.6	2.9	0.0	0.0	0.0	0.0	40	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	71.7	0.0	-0.8	8.5	3.6	0.0	0.0	0.0	0.0	24	
A03_Trucks	TruckPath	516115.2	4877133.9	397.1	0	76	23.4	A	69.9	0.0	-1.1	4.7	3.5	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516093.9	4877250.2	398.9	0	76	12.8	A	69.3	0.0	-1.0	4.7	3.3	0.0	0.0	0.0	0.0	12	
A03_Trucks	TruckPath	516087.7	4877283.9	399.4	0	76	16.9	A	69.1	0.0	-1.0	4.7	3.3	0.0	0.0	0.0	0.0	16	
A03_Trucks	TruckPath	516074.9	4877354.3	400.5	0	76	19.7	A	68.8	0.0	-1.0	4.7	3.2	0.0	0.0	0.0	0.0	20	
A03_Trucks	TruckPath	516065.5	4877405.5	401.3	0	76	10.2	A	68.7	0.0	0.5	0.0	3.2	0.0	0.0	0.0	0.0	13	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	70.4	0.0	-0.5	5.5	3.7	0.0	0.0	0.0	0.0	21	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R13

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	45

Receiver Name	Receiver ID	X	Y	Z
R13	R13	515186 m	4877186 m	401.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	70.4	0.0	1.8	3.6	3.8	0.0	0.0	0.0	0.0	0.0	44
D04_Conveyor	Conveyor	516132.9	4876795.0	396.0	0	81	12.8	A	71.2	0.0	2.3	2.2	1.6	0.0	0.0	0.0	0.0	0.0	17
D04_Conveyor	Conveyor	516120.2	4876789.6	396.0	0	81	9.3	A	71.1	0.0	2.3	2.2	1.6	0.0	0.0	0.0	0.0	0.0	13
D04_Conveyor	Conveyor	516058.9	4876763.8	396.0	0	81	21.0	A	70.7	0.0	2.4	2.2	1.5	0.0	0.0	0.0	0.0	0.0	25
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	71.8	0.0	0.6	10.3	3.6	0.0	0.0	0.0	0.0	0.0	24
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	71.4	0.0	2.2	2.4	2.8	0.0	0.0	0.0	0.0	0.0	40
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	70.9	0.0	0.9	3.3	3.4	0.0	0.0	0.0	0.0	0.0	28
A03_Trucks	TruckPath	516100.3	4877215.1	398.3	0	76	25.8	A	70.2	0.0	0.7	3.9	3.7	0.0	0.0	0.0	0.0	0.0	23
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	70.2	0.0	0.7	7.6	3.6	0.0	0.0	0.0	0.0	0.0	18

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R14

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	37

Receiver Name	Receiver ID	X	Y	Z
R14	R14	514673 m	4877057 m	391.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	73.6	0.0	2.3	9.5	5.0	0.0	0.0	0.0	0.0	0.0	33
D04_Conveyor	Conveyor	516119.2	4876789.2	396.0	0	81	16.9	A	74.4	0.0	2.5	3.1	2.1	0.0	0.0	0.0	0.0	0.0	16
D04_Conveyor	Conveyor	516089.5	4876776.7	396.0	0	81	11.9	A	74.2	0.0	2.5	3.3	2.1	0.0	0.0	0.0	0.0	0.0	11
D04_Conveyor	Conveyor	516041.9	4876756.7	396.0	0	81	19.4	A	73.9	0.0	2.5	4.0	2.0	0.0	0.0	0.0	0.0	0.0	18
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	74.8	0.0	0.8	3.9	4.5	0.0	0.0	0.0	0.0	0.0	26
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	74.5	0.0	2.6	3.5	3.7	0.0	0.0	0.0	0.0	0.0	34
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	73.9	0.0	1.0	6.2	4.3	0.0	0.0	0.0	0.0	0.0	22
A03_Trucks	TruckPath	516100.3	4877215.1	398.3	0	76	25.8	A	74.1	0.0	1.0	7.2	5.2	0.0	0.0	0.0	0.0	0.0	14
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	73.8	0.0	0.9	7.0	5.1	0.0	0.0	0.0	0.0	0.0	13

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R15

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	40

Receiver Name	Receiver ID	X	Y	Z
R15	R15	514526 m	4877045 m	391.7 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	74.5	0.0	0.1	6.6	5.3	0.0	0.0	0.0	0.0	37	
D04_Conveyor	Conveyor	516117.7	4876788.6	396.0	0	81	17.2	A	75.1	0.0	0.1	3.8	2.3	0.0	0.0	0.0	0.0	17	
D04_Conveyor	Conveyor	516084.8	4876774.7	396.0	0	81	12.8	A	75.0	0.0	0.2	3.8	2.3	0.0	0.0	0.0	0.0	13	
D04_Conveyor	Conveyor	516038.7	4876755.3	396.0	0	81	19.1	A	74.8	0.0	0.2	3.9	2.2	0.0	0.0	0.0	0.0	19	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	75.6	0.0	-0.9	4.2	4.8	0.0	0.0	0.0	0.0	26	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	75.3	0.0	-0.8	4.5	4.0	0.0	0.0	0.0	0.0	36	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	74.8	0.0	-0.7	4.8	4.5	0.0	0.0	0.0	0.0	24	
A03_Trucks	TruckPath	516100.3	4877215.0	398.3	0	76	25.8	A	75.0	0.0	-1.0	5.5	5.6	0.0	0.0	0.0	0.0	16	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	74.7	0.0	-1.1	5.1	5.5	0.0	0.0	0.0	0.0	16	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R16

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R16	R16	514415 m	4877102 m	386.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.2	0.0	2.6	5.0	5.6	0.0	0.0	0.0	0.0	35	
D04_Conveyor	Conveyor	516119.0	4876789.1	396.0	0	81	16.9	A	75.8	0.0	2.4	2.1	2.4	0.0	0.0	0.0	0.0	15	
D04_Conveyor	Conveyor	516088.9	4876776.5	396.0	0	81	12.0	A	75.6	0.0	2.5	2.2	2.4	0.0	0.0	0.0	0.0	10	
D04_Conveyor	Conveyor	516041.5	4876756.5	396.0	0	81	19.4	A	75.4	0.0	2.5	2.3	2.3	0.0	0.0	0.0	0.0	18	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.2	0.0	0.9	3.0	4.9	0.0	0.0	0.0	0.0	25	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	75.9	0.0	2.7	2.1	4.2	0.0	0.0	0.0	0.0	34	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	75.4	0.0	1.0	3.6	4.7	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516100.4	4877214.8	398.3	0	76	25.8	A	75.6	0.0	1.2	4.8	5.9	0.0	0.0	0.0	0.0	14	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	75.3	0.0	1.1	3.9	5.8	0.0	0.0	0.0	0.0	14	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R17

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R17	R17	514253 m	4877003 m	386.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.9	0.0	2.7	3.4	6.0	0.0	0.0	0.0	0.0	35	
D04_Conveyor	Conveyor	516114.5	4876787.3	396.0	0	81	17.7	A	76.5	0.0	2.4	2.1	2.6	0.0	0.0	0.0	0.0	15	
D04_Conveyor	Conveyor	516074.8	4876770.5	396.0	0	81	14.3	A	76.3	0.0	2.5	2.1	2.5	0.0	0.0	0.0	0.0	12	
D04_Conveyor	Conveyor	516031.9	4876752.4	396.0	0	81	18.2	A	76.1	0.0	2.5	2.1	2.5	0.0	0.0	0.0	0.0	16	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.8	0.0	0.9	3.0	5.2	0.0	0.0	0.0	0.0	24	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.6	0.0	2.7	2.0	4.4	0.0	0.0	0.0	0.0	33	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.1	0.0	1.0	3.1	4.9	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516100.4	4877215.0	398.3	0	76	25.8	A	76.4	0.0	1.2	3.4	6.3	0.0	0.0	0.0	0.0	14	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.1	0.0	1.1	3.3	6.2	0.0	0.0	0.0	0.0	13	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R18

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	37

Receiver Name	Receiver ID	X	Y	Z
R18	R18	514059 m	4876983 m	384.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.8	0.0	2.9	2.8	6.4	0.0	0.0	0.0	0.0	0.0	34
D04_Conveyor	Conveyor	516112.9	4876786.6	396.0	0	81	18.0	A	77.3	0.0	2.4	2.1	2.8	0.0	0.0	0.0	0.0	0.0	14
D04_Conveyor	Conveyor	516069.8	4876768.4	396.0	0	81	14.9	A	77.1	0.0	2.4	2.1	2.7	0.0	0.0	0.0	0.0	0.0	12
D04_Conveyor	Conveyor	516028.4	4876751.0	396.0	0	81	17.7	A	76.9	0.0	2.5	2.1	2.7	0.0	0.0	0.0	0.0	0.0	14
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.6	0.0	0.9	3.0	5.4	0.0	0.0	0.0	0.0	0.0	23
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.5	0.0	2.7	2.0	4.7	0.0	0.0	0.0	0.0	0.0	32
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	77.0	0.0	1.0	3.0	5.2	0.0	0.0	0.0	0.0	0.0	21
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.3	0.0	1.3	3.2	6.8	0.0	0.0	0.0	0.0	0.0	13
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	77.0	0.0	1.2	3.2	6.7	0.0	0.0	0.0	0.0	0.0	12

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R19

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R19	R19	514157 m	4876687 m	386.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.2	0.0	0.2	4.5	6.1	0.0	0.0	0.0	0.0	0.0	36
D04_Conveyor	Conveyor	516097.3	4876780.0	396.0	0	81	19.8	A	76.8	0.0	0.2	3.6	2.6	0.0	0.0	0.0	0.0	0.0	18
D04_Conveyor	Conveyor	516027.1	4876750.4	396.0	0	81	17.5	A	76.4	0.0	0.3	3.6	2.6	0.0	0.0	0.0	0.0	0.0	16
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.2	0.0	-0.8	4.1	5.3	0.0	0.0	0.0	0.0	0.0	24
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.0	0.0	-0.7	4.5	4.6	0.0	0.0	0.0	0.0	0.0	33
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.4	0.0	-0.7	4.1	5.0	0.0	0.0	0.0	0.0	0.0	22
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.1	0.0	-0.9	4.6	6.7	0.0	0.0	0.0	0.0	0.0	14
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.6	0.0	-1.0	4.6	6.5	0.0	0.0	0.0	0.0	0.0	13

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R20

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R20	R20	514283 m	4876567 m	387.8 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.6	0.0	2.7	3.3	5.9	0.0	0.0	0.0	0.0	36	
D04_Conveyor	Conveyor	516085.1	4876774.9	396.0	0	81	20.9	A	76.2	0.0	2.5	2.1	2.5	0.0	0.0	0.0	0.0	19	
D04_Conveyor	Conveyor	516015.0	4876745.3	396.0	0	81	14.7	A	75.8	0.0	2.5	2.2	2.4	0.0	0.0	0.0	0.0	13	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.7	0.0	0.9	3.0	5.1	0.0	0.0	0.0	0.0	24	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.5	0.0	2.7	2.1	4.4	0.0	0.0	0.0	0.0	33	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	75.8	0.0	1.0	3.1	4.8	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516100.2	4877215.9	398.4	0	76	25.8	A	76.7	0.0	1.3	3.4	6.5	0.0	0.0	0.0	0.0	14	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.1	0.0	1.1	3.3	6.2	0.0	0.0	0.0	0.0	13	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R21

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	37

Receiver Name	Receiver ID	X	Y	Z
R21	R21	513964 m	4876229 m	386 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	77.3	0.0	0.3	4.1	6.7	0.0	0.0	0.0	0.0	35	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	77.8	0.0	0.2	3.6	2.9	0.0	0.0	0.0	0.0	18	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	78.2	0.0	-0.8	4.1	5.6	0.0	0.0	0.0	0.0	23	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	78.1	0.0	-0.7	4.4	5.0	0.0	0.0	0.0	0.0	32	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	77.4	0.0	-0.7	4.0	5.4	0.0	0.0	0.0	0.0	21	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	78.4	0.0	-0.9	4.6	7.6	0.0	0.0	0.0	0.0	12	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	77.8	0.0	-1.0	4.6	7.2	0.0	0.0	0.0	0.0	12	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R22

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R22	R22	514530 m	4875439 m	398.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.6	0.0	0.1	4.8	6.4	0.0	0.0	0.0	0.0	0.0	35
D04_Conveyor	Conveyor	516075.9	4876771.0	396.0	0	81	19.6	A	77.2	0.0	0.2	4.0	2.7	0.0	0.0	0.0	0.0	0.0	16
D04_Conveyor	Conveyor	516017.8	4876746.5	396.0	0	81	15.5	A	76.9	0.0	0.3	3.6	2.7	0.0	0.0	0.0	0.0	0.0	13
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.5	0.0	-0.8	4.1	5.4	0.0	0.0	0.0	0.0	0.0	24
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.5	0.0	-0.8	4.5	4.8	0.0	0.0	0.0	0.0	0.0	33
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.7	0.0	-0.7	4.2	5.1	0.0	0.0	0.0	0.0	0.0	22
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	78.5	0.0	-0.9	4.6	7.6	0.0	0.0	0.0	0.0	0.0	12
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	77.5	0.0	-1.0	4.6	7.0	0.0	0.0	0.0	0.0	0.0	12

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R23

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	35

Receiver Name	Receiver ID	X	Y	Z
R23	R23	514655 m	4875380 m	390.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.4	0.0	2.7	7.1	6.2	0.0	0.0	0.0	0.0	0.0	31
D04_Conveyor	Conveyor	516076.9	4876771.4	396.0	0	81	20.5	A	77.0	0.0	2.4	3.6	2.7	0.0	0.0	0.0	0.0	0.0	16
D04_Conveyor	Conveyor	516013.6	4876744.7	396.0	0	81	14.2	A	76.7	0.0	2.5	3.3	2.6	0.0	0.0	0.0	0.0	0.0	10
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.3	0.0	0.8	3.0	5.3	0.0	0.0	0.0	0.0	0.0	23
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.3	0.0	2.7	2.0	4.7	0.0	0.0	0.0	0.0	0.0	32
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.4	0.0	1.0	4.6	5.0	0.0	0.0	0.0	0.0	0.0	20
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	77.3	0.0	1.2	4.6	6.9	0.0	0.0	0.0	0.0	0.0	10

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R24

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	35

Receiver Name	Receiver ID	X	Y	Z
R24	R24	514747 m	4875412 m	388.9 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.0	0.0	2.6	8.8	6.0	0.0	0.0	0.0	0.0	30	
D04_Conveyor	Conveyor	516070.8	4876768.8	396.0	0	81	20.1	A	76.6	0.0	2.4	5.2	2.6	0.0	0.0	0.0	0.0	14	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.9	0.0	0.8	3.0	5.2	0.0	0.0	0.0	0.0	24	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.9	0.0	2.7	2.1	4.5	0.0	0.0	0.0	0.0	33	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.0	0.0	1.0	5.5	4.9	0.0	0.0	0.0	0.0	20	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R25

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	39

Receiver Name	Receiver ID	X	Y	Z
R25	R25	514867 m	4875414 m	399.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.6	0.0	0.0	5.8	5.8	0.0	0.0	0.0	0.0	0.0	36
D04_Conveyor	Conveyor	516119.6	4876789.4	396.0	0	81	16.1	A	76.4	0.0	0.1	3.7	2.6	0.0	0.0	0.0	0.0	0.0	14
D04_Conveyor	Conveyor	516060.0	4876764.3	396.0	0	81	19.5	A	76.1	0.0	0.2	5.5	2.5	0.0	0.0	0.0	0.0	0.0	16
D04_Conveyor	Conveyor	516010.4	4876743.4	396.0	0	81	12.9	A	75.9	0.0	0.3	3.9	2.4	0.0	0.0	0.0	0.0	0.0	11
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.5	0.0	-0.9	4.2	5.1	0.0	0.0	0.0	0.0	0.0	25
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.5	0.0	-0.8	4.5	4.4	0.0	0.0	0.0	0.0	0.0	34
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	75.6	0.0	-0.7	4.5	4.8	0.0	0.0	0.0	0.0	0.0	23
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.8	0.0	-1.0	4.9	7.2	0.0	0.0	0.0	0.0	0.0	13
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.6	0.0	-1.1	4.8	6.5	0.0	0.0	0.0	0.0	0.0	13

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R26

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	37

Receiver Name	Receiver ID	X	Y	Z
R26	R26	514911 m	4875422 m	398 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.4	0.0	2.5	5.1	5.8	0.0	0.0	0.0	0.0	0.0	34
D04_Conveyor	Conveyor	516117.6	4876788.5	396.0	0	81	16.8	A	76.2	0.0	2.4	2.1	2.5	0.0	0.0	0.0	0.0	0.0	15
D04_Conveyor	Conveyor	516056.9	4876763.0	396.0	0	81	19.3	A	75.9	0.0	2.5	4.0	2.5	0.0	0.0	0.0	0.0	0.0	15
D04_Conveyor	Conveyor	516009.8	4876743.1	396.0	0	81	12.6	A	75.7	0.0	2.5	2.4	2.4	0.0	0.0	0.0	0.0	0.0	11
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.3	0.0	0.8	3.0	5.0	0.0	0.0	0.0	0.0	0.0	25
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.3	0.0	2.6	2.1	4.3	0.0	0.0	0.0	0.0	0.0	33
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	75.4	0.0	1.0	3.6	4.7	0.0	0.0	0.0	0.0	0.0	22
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.7	0.0	1.3	4.3	7.1	0.0	0.0	0.0	0.0	0.0	11
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.5	0.0	1.1	3.7	6.4	0.0	0.0	0.0	0.0	0.0	13

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R27

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
R27	R27	514976 m	4875431 m	399.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	75.1	0.0	2.4	5.2	5.6	0.0	0.0	0.0	0.0	35	
D04_Conveyor	Conveyor	516115.0	4876787.5	396.0	0	81	17.6	A	76.0	0.0	2.4	2.1	2.5	0.0	0.0	0.0	0.0	16	
D04_Conveyor	Conveyor	516052.3	4876761.0	396.0	0	81	18.9	A	75.7	0.0	2.5	4.8	2.4	0.0	0.0	0.0	0.0	15	
D04_Conveyor	Conveyor	516008.9	4876742.7	396.0	0	81	12.1	A	75.5	0.0	2.5	2.5	2.3	0.0	0.0	0.0	0.0	10	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	76.1	0.0	0.8	3.0	4.9	0.0	0.0	0.0	0.0	25	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	76.1	0.0	2.6	2.1	4.2	0.0	0.0	0.0	0.0	34	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	75.1	0.0	1.0	3.7	4.6	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.2	0.0	1.1	3.6	6.3	0.0	0.0	0.0	0.0	13	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.5	0.0	1.3	3.8	7.0	0.0	0.0	0.0	0.0	12	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R28

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	43

Receiver Name	Receiver ID	X	Y	Z
R28	R28	515030 m	4875578 m	412.1 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	74.3	0.0	-0.1	4.3	5.3	0.0	0.0	0.0	0.0	0.0	39
D04_Conveyor	Conveyor	516118.6	4876789.0	396.0	0	81	16.4	A	75.2	0.0	0.1	3.7	2.3	0.0	0.0	0.0	0.0	0.0	16
D04_Conveyor	Conveyor	516058.5	4876763.6	396.0	0	81	19.4	A	74.9	0.0	0.2	3.7	2.2	0.0	0.0	0.0	0.0	0.0	19
D04_Conveyor	Conveyor	516010.0	4876743.2	396.0	0	81	12.7	A	74.7	0.0	0.3	3.6	2.2	0.0	0.0	0.0	0.0	0.0	13
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	75.4	0.0	-0.9	4.2	4.7	0.0	0.0	0.0	0.0	0.0	27
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	75.4	0.0	-0.9	0.0	4.0	0.0	0.0	0.0	0.0	0.0	40
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	74.3	0.0	-0.7	4.1	4.4	0.0	0.0	0.0	0.0	0.0	25
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	75.5	0.0	-1.1	4.6	5.9	0.0	0.0	0.0	0.0	0.0	15
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	76.8	0.0	-1.0	4.6	6.6	0.0	0.0	0.0	0.0	0.0	14

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R29

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	44

Receiver Name	Receiver ID	X	Y	Z
R29	R29	515084 m	4875648 m	412.2 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	73.8	0.0	-0.1	4.3	5.0	0.0	0.0	0.0	0.0	40	
D04_Conveyor	Conveyor	516119.1	4876789.2	396.0	0	81	16.3	A	74.8	0.0	0.1	3.7	2.2	0.0	0.0	0.0	0.0	16	
D04_Conveyor	Conveyor	516059.2	4876763.9	396.0	0	81	19.4	A	74.4	0.0	0.2	3.7	2.1	0.0	0.0	0.0	0.0	20	
D04_Conveyor	Conveyor	516010.1	4876743.2	396.0	0	81	12.7	A	74.1	0.0	0.2	3.7	2.1	0.0	0.0	0.0	0.0	14	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	74.9	0.0	-0.9	0.0	4.5	0.0	0.0	0.0	0.0	31	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	74.9	0.0	-0.9	0.0	3.8	0.0	0.0	0.0	0.0	41	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	73.8	0.0	-0.7	4.1	4.2	0.0	0.0	0.0	0.0	25	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	75.0	0.0	-1.2	4.6	5.6	0.0	0.0	0.0	0.0	16	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	76.4	0.0	-1.0	4.6	6.4	0.0	0.0	0.0	0.0	15	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R30

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	43

Receiver Name	Receiver ID	X	Y	Z
R30	R30	515199 m	4875494 m	408.4 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	74.1	0.0	-0.2	4.4	5.2	0.0	0.0	0.0	0.0	40	
D04_Conveyor	Conveyor	516104.5	4876783.0	396.0	0	81	19.1	A	74.9	0.0	0.1	3.7	2.2	0.0	0.0	0.0	0.0	19	
D04_Conveyor	Conveyor	516039.2	4876755.5	396.0	0	81	17.8	A	74.6	0.0	0.2	3.7	2.2	0.0	0.0	0.0	0.0	18	
D04_Conveyor	Conveyor	516006.3	4876741.7	396.0	0	81	10.2	A	74.4	0.0	0.2	3.7	2.1	0.0	0.0	0.0	0.0	11	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	75.1	0.0	-0.9	4.2	4.6	0.0	0.0	0.0	0.0	27	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	75.1	0.0	-0.9	0.0	3.9	0.0	0.0	0.0	0.0	41	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	74.1	0.0	-0.7	4.1	4.3	0.0	0.0	0.0	0.0	25	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	75.4	0.0	-1.2	4.6	5.8	0.0	0.0	0.0	0.0	15	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	76.8	0.0	-1.1	4.6	6.6	0.0	0.0	0.0	0.0	15	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R31

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	43

Receiver Name	Receiver ID	X	Y	Z
R31	R31	515244 m	4875693 m	404.7 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	72.9	0.0	-0.2	4.5	4.7	0.0	0.0	0.0	0.0	41	
D04_Conveyor	Conveyor	516111.0	4876785.8	396.0	0	81	18.2	A	73.9	0.0	0.0	3.8	2.0	0.0	0.0	0.0	0.0	19	
D04_Conveyor	Conveyor	516047.1	4876758.9	396.0	0	81	18.6	A	73.5	0.0	0.2	6.8	2.0	0.0	0.0	0.0	0.0	17	
D04_Conveyor	Conveyor	516007.7	4876742.3	396.0	0	81	11.4	A	73.3	0.0	0.2	3.7	1.9	0.0	0.0	0.0	0.0	13	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	74.1	0.0	-1.0	4.3	4.3	0.0	0.0	0.0	0.0	28	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	74.1	0.0	-1.0	4.5	3.6	0.0	0.0	0.0	0.0	38	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.9	0.0	-0.7	4.2	3.9	0.0	0.0	0.0	0.0	27	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	74.3	0.0	-1.2	4.7	5.3	0.0	0.0	0.0	0.0	17	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	75.9	0.0	-1.1	4.6	6.1	0.0	0.0	0.0	0.0	16	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R32

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	45

Receiver Name	Receiver ID	X	Y	Z
R32	R32	515407 m	4875751 m	403.7 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	71.8	0.0	-0.3	4.4	4.3	0.0	0.0	0.0	0.0	43	
D04_Conveyor	Conveyor	516102.2	4876782.0	396.0	0	81	19.3	A	72.9	0.0	0.0	3.8	1.9	0.0	0.0	0.0	0.0	22	
D04_Conveyor	Conveyor	516036.2	4876754.3	396.0	0	81	17.6	A	72.5	0.0	0.1	4.0	1.8	0.0	0.0	0.0	0.0	20	
D04_Conveyor	Conveyor	516005.6	4876741.4	396.0	0	81	9.6	A	72.3	0.0	0.2	3.7	1.8	0.0	0.0	0.0	0.0	13	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	73.1	0.0	-1.0	4.3	4.0	0.0	0.0	0.0	0.0	29	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	73.1	0.0	-1.1	4.6	3.3	0.0	0.0	0.0	0.0	39	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	71.8	0.0	-0.7	4.2	3.6	0.0	0.0	0.0	0.0	28	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	73.5	0.0	-1.3	4.7	4.9	0.0	0.0	0.0	0.0	18	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	75.2	0.0	-1.2	4.6	5.7	0.0	0.0	0.0	0.0	17	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R33

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	43

Receiver Name	Receiver ID	X	Y	Z
R33	R33	515583 m	4875565 m	403.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	72.6	0.0	1.6	3.3	4.5	0.0	0.0	0.0	0.0	41	
D04_Conveyor	Conveyor	516088.3	4876776.2	396.0	0	81	20.6	A	73.4	0.0	2.4	2.1	1.9	0.0	0.0	0.0	0.0	22	
D04_Conveyor	Conveyor	516018.9	4876747.0	396.0	0	81	15.4	A	73.0	0.0	2.5	2.6	1.9	0.0	0.0	0.0	0.0	16	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	73.5	0.0	0.8	3.2	4.1	0.0	0.0	0.0	0.0	28	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	73.6	0.0	2.4	2.3	3.4	0.0	0.0	0.0	0.0	37	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.4	0.0	0.9	3.2	3.8	0.0	0.0	0.0	0.0	27	
A03_Trucks	TruckPath	516022.3	4876867.4	396.1	0	76	22.6	A	73.8	0.0	0.7	3.6	5.0	0.0	0.0	0.0	0.0	15	
A03_Trucks	TruckPath	516104.9	4876984.7	395.6	0	76	20.2	A	74.6	0.0	0.7	3.5	5.4	0.0	0.0	0.0	0.0	11	
A03_Trucks	TruckPath	516094.7	4877246.0	398.8	0	76	25.2	A	75.9	0.0	0.8	3.5	6.1	0.0	0.0	0.0	0.0	15	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R34

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	44

Receiver Name	Receiver ID	X	Y	Z
R34	R34	515666 m	4875598 m	402.7 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	72.1	0.0	-0.8	4.6	4.4	0.0	0.0	0.0	0.0	0.0	43
D04_Conveyor	Conveyor	516085.5	4876775.0	396.0	0	81	20.9	A	72.9	0.0	0.0	3.8	1.9	0.0	0.0	0.0	0.0	0.0	23
D04_Conveyor	Conveyor	516015.3	4876745.5	396.0	0	81	14.8	A	72.6	0.0	0.1	4.8	1.8	0.0	0.0	0.0	0.0	0.0	17
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	73.1	0.0	-0.9	4.2	4.0	0.0	0.0	0.0	0.0	0.0	29
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	73.2	0.0	-1.0	4.6	3.3	0.0	0.0	0.0	0.0	0.0	39
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.0	0.0	-0.8	4.2	3.7	0.0	0.0	0.0	0.0	0.0	28
A03_Trucks	TruckPath	516010.3	4876850.3	396.2	0	76	21.5	A	73.3	0.0	-1.3	4.7	4.8	0.0	0.0	0.0	0.0	0.0	16
A03_Trucks	TruckPath	516076.1	4876943.7	395.8	0	76	19.4	A	74.0	0.0	-1.5	4.7	5.1	0.0	0.0	0.0	0.0	0.0	13
A03_Trucks	TruckPath	516117.9	4877003.1	395.5	0	76	17.7	A	74.4	0.0	-1.4	4.7	5.3	0.0	0.0	0.0	0.0	0.0	10
A03_Trucks	TruckPath	516122.0	4877096.7	396.5	0	76	18.2	A	74.9	0.0	-1.7	4.7	5.6	0.0	0.0	0.0	0.0	0.0	10
A03_Trucks	TruckPath	516090.3	4877269.9	399.2	0	76	24.6	A	75.7	0.0	-1.5	4.7	6.0	0.0	0.0	0.0	0.0	0.0	15

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: R35

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	44

Receiver Name	Receiver ID	X	Y	Z
R35	R35	516161 m	4875525 m	401.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	72.5	0.0	-0.9	4.6	4.5	0.0	0.0	0.0	0.0	43	
D04_Conveyor	Conveyor	516072.7	4876769.6	396.0	0	81	21.8	A	72.9	0.0	0.0	3.8	1.9	0.0	0.0	0.0	0.0	24	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	72.8	0.0	-0.8	4.2	3.9	0.0	0.0	0.0	0.0	30	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	73.0	0.0	-0.9	4.5	3.3	0.0	0.0	0.0	0.0	39	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	72.2	0.0	-0.7	4.2	3.7	0.0	0.0	0.0	0.0	28	
A03_Trucks	TruckPath	516063.7	4876926.1	395.8	0	76	23.9	A	73.9	0.0	-1.5	4.7	5.1	0.0	0.0	0.0	0.0	17	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	75.6	0.0	-1.8	0.0	5.9	0.0	0.0	0.0	0.0	22	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: VL36

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	53

Receiver Name	Receiver ID	X	Y	Z
VL36	VL36	516229 m	4877513 m	407.1 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahous	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	69.7	0.0	-2.1	0.0	3.5	0.0	0.0	0.0	0.0	52	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	68.6	0.0	-0.7	0.0	1.3	0.0	0.0	0.0	0.0	34	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	68.6	0.0	-1.0	4.4	2.8	0.0	0.0	0.0	0.0	35	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	68.2	0.0	-1.3	4.7	2.2	0.0	0.0	0.0	0.0	45	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	69.9	0.0	-1.8	0.0	3.1	0.0	0.0	0.0	0.0	36	
A03_Trucks	TruckPath	516117.2	4877122.9	396.9	0	76	22.9	A	63.2	0.0	-1.4	4.7	1.9	0.0	0.0	0.0	0.0	30	
A03_Trucks	TruckPath	516090.9	4877266.8	399.2	0	76	19.9	A	60.0	0.0	-1.2	0.0	1.4	0.0	0.0	0.0	0.0	35	
A03_Trucks	TruckPath	516073.3	4877362.7	400.7	0	76	19.9	A	57.7	0.0	-0.7	0.0	1.1	0.0	0.0	0.0	0.0	37	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	67.0	0.0	-1.9	0.0	2.7	0.0	0.0	0.0	0.0	32	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: VL37

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	39

Receiver Name	Receiver ID	X	Y	Z
VL37	VL37	514216 m	4876293 m	389.3 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.1	0.0	0.2	4.2	6.1	0.0	0.0	0.0	0.0	36	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	76.6	0.0	0.2	3.6	2.6	0.0	0.0	0.0	0.0	20	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.1	0.0	-0.8	4.1	5.3	0.0	0.0	0.0	0.0	24	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.0	0.0	-0.7	4.4	4.6	0.0	0.0	0.0	0.0	33	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.3	0.0	-0.7	4.1	5.0	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.4	0.0	-0.9	4.6	6.9	0.0	0.0	0.0	0.0	13	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	76.7	0.0	-1.0	4.6	6.5	0.0	0.0	0.0	0.0	13	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: VL38

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	38

Receiver Name	Receiver ID	X	Y	Z
VL38	VL38	514254 m	4876036 m	391.5 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	76.3	0.0	0.2	4.2	6.2	0.0	0.0	0.0	0.0	36	
D04_Conveyor	Conveyor	516071.6	4876769.2	396.0	0	81	21.8	A	76.8	0.0	0.2	3.6	2.7	0.0	0.0	0.0	0.0	19	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	77.3	0.0	-0.8	4.1	5.3	0.0	0.0	0.0	0.0	24	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	77.2	0.0	-0.7	4.4	4.6	0.0	0.0	0.0	0.0	33	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	76.4	0.0	-0.7	4.1	5.0	0.0	0.0	0.0	0.0	22	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	77.8	0.0	-0.9	4.6	7.2	0.0	0.0	0.0	0.0	13	
A03_Trucks	TruckPath	516052.2	4876909.7	395.9	0	76	24.6	A	77.0	0.0	-1.0	4.6	6.7	0.0	0.0	0.0	0.0	13	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Receiver: VL39

Project: Watson Pit - Phase 1B

Project Number: 23153

Time Period	Total (dBA)*
Day	45

Receiver Name	Receiver ID	X	Y	Z
VL39	VL39	515952 m	4875620 m	402.1 m

Source ID	Source Name	X	Y	Z	Refl.	Lw	L/A	Freq	Adiv	K0	Agr	Abar	Aatm	Afol	Ahou	Cmet	Dc	RL	Lr
PS_Processing	Central Processing Plant	515979.2	4876693.0	397.5	0	123	0.0	A	71.6	0.0	-1.0	4.7	4.2	0.0	0.0	0.0	0.0	44	
D04_Conveyor	Conveyor	516077.2	4876771.5	396.0	0	81	21.5	A	72.3	0.0	0.0	3.8	1.8	0.0	0.0	0.0	0.0	25	
D04_Conveyor	Conveyor	516007.1	4876742.0	396.0	0	81	10.9	A	72.0	0.0	0.0	6.7	1.7	0.0	0.0	0.0	0.0	11	
D04_FELE	Extraction Loaders	516191.7	4876757.7	396.4	0	110	0.0	A	72.3	0.0	-0.8	4.2	3.8	0.0	0.0	0.0	0.0	30	
D04_PortablePlant	Portable Plant	516151.7	4876788.7	397.5	0	119	0.0	A	72.5	0.0	-0.9	4.5	3.1	0.0	0.0	0.0	0.0	40	
D04_FELS	Shipping Loaders	516017.5	4876660.4	396.4	0	110	0.0	A	71.4	0.0	-0.8	4.2	3.5	0.0	0.0	0.0	0.0	29	
A03_Trucks	TruckPath	515984.9	4876814.2	396.3	0	76	17.2	A	72.5	0.0	-1.4	4.7	4.5	0.0	0.0	0.0	0.0	12	
A03_Trucks	TruckPath	516009.6	4876849.3	396.2	0	76	15.2	A	72.8	0.0	-1.5	4.7	4.6	0.0	0.0	0.0	0.0	10	
A03_Trucks	TruckPath	516076.9	4876944.9	395.8	0	76	23.0	A	73.5	0.0	-1.6	4.7	4.9	0.0	0.0	0.0	0.0	17	
A03_Trucks	TruckPath	516099.7	4877218.8	398.4	0	76	25.9	A	75.1	0.0	-1.8	0.0	5.7	0.0	0.0	0.0	0.0	22	

*The total value shown accounts for all modelled sources and may include small contributions from sources not described in the table above

Appendix D

Qualifications of the Authors



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Derek Flake M.Sc., P.Eng.

Profile

Derek is an employee of Aeroustics Engineering Limited, an engineering consulting company specializing in acoustics, noise and vibration. Prior to that, he worked for several years at another acoustics, noise and vibration firm and he completed a Master of Science in the field of ultrasound transducer design. Derek is a Professional Engineer with the Professional Engineers Ontario.

Derek has been recognized by the Local Planning Appeal Tribunal (LPAT) and previously by the Ontario Municipal Board (OMB) as an expert in environmental noise and has provided expert opinion testimony to the Board and in civil litigation.

Employment History

- | | |
|----------------|--|
| 2012 – Present | Acoustical Engineer, Aercoustics Engineering Limited |
| 2009 – 2012 | Engineering Intern, Jade Acoustics Incorporated |

Additional Activities / Committees

- | | |
|----------------|--|
| 2019 – Present | Officer on the Board of Directors and Chair of the Membership Committee at the Air & Waste Management Association (A&WMA) Ontario Section (OS) |
| 2018 – Present | Member of Environment Committee at the Ontario Sand, Stone and Gravel Association (OSSGA) |
| 2014 – Present | Member of Training and Development Committee at the Ontario Sand, Stone and Gravel Association (OSSGA) |

Education

- | | |
|---------------------------------------|--|
| Master of Science (M.Sc.) | Medical Biophysics (Ultrasound Physics)
University of Toronto |
| Bachelor of Applied Science (B.A.Sc.) | Engineering Physics (Mechanical)
Queen's University |

Professional Registration / Affiliations

Licensed Professional Engineer with the Professional Engineers of Ontario (PEO)

Courses and Speaking Events

Instructor, Municipal Law Enforcement Officers' Association (MLEOA) Environmental Noise training courses. This is an annual four-day training program which provides the officers with an understanding of sound measurement and its relationship with environmental noise impact. The officer is trained in the utilization of technical equipment required in the application of sound measurement theories. This course also covers the unique elements of qualitative noise regulations and is authorized by the Ministry of the Environment and Climate Change.

Speaker, "Overview of Noise & Vibration Issues in Land-Use Planning", A&WMA OS Environment Issues in Land-Use Planning, Guelph, October 30, 2019.

Attended A&WMA Course "Consultant Liability and Expert Witness Testimony", Guelph, 2019.

Speaker, "Environmental Noise: Modelling Techniques to Quiet your Acoustic Troubles", ACE 2019, Quebec City, 2019.

Attended PSMJ Resources Project Management Bootcamp, Toronto, 2016.

Attended OSSGA Health and Safety Seminar courses "Aggregates 101" and "Aggregates 201", Toronto, 2015. Mr. Flake both attended and aided in the development for parts of the course.

Speaker, "*The New NPC-300 Noise Guideline: What does it mean for your noise by-law?*" MLEOA Annual General Meeting, Kingston, 2014.

Professional Activities

Land Use Planning

In the field of environmental acoustics, Mr. Flake has completed numerous projects involving noise impact from planned stationary sources as well as noise impact studies for proposed new noise sensitive uses. These projects included conducting studies for proposed operations and developments and addressing noise concerns for existing operations. Peer reviews of noise studies prepared by other acoustic consultants were also conducted by Mr. Flake. In the land use planning process, Mr. Flake has completed studies which provide assessments of the noise impact on proposed residential, commercial, institutional and industrial developments from the local environment which includes noise from road, rail, and aircraft traffic and stationary noise sources such as industrial and commercial uses. Also, vibration measurements and studies were conducted to assess vibration from rail traffic such as trains, streetcars and subways. The studies include recommendations for noise control of the sources, dwelling building components, wall, window, and door constructions to satisfy the Ministry of Environment, Conservation and Parks noise guidelines.

In addition, Mr. Flake has conducted architectural drawing reviews and provided design advice for residential and commercial developments. These have ensured the construction plans will meet the municipal and Ontario Building Code requirements.

Environmental Compliance Approvals & EASR

Mr. Flake was involved in noise and vibration impact studies for industrial, institutional and commercial uses. He has prepared Acoustic Assessment Reports for use in applications for Environmental Compliance Approvals (ECA) and the Environmental Activity & Sector Registry (EASR). These studies provided conceptual as well as detailed designs of noise mitigation to reduce in-plant noise or noise emission into the environment. In-plant projects generally involved noise surveys, detailed noise and vibration measurements of equipment, data analysis and computer modelling of noise controls to evaluate effectiveness. In some cases, detailed designs and specifications have been provided. Mr. Flake has a good record of submitting applications that are accepted as fully complete according to MECP records.

Aggregates

Mr. Flake has done work in the aggregates industry which involved the preparation and support of noise impact studies to determine technical feasibility of aggregate licence applications to the Ministry of Natural Resources & Forestry. This work included preparing the noise impact studies, supporting the findings at public meetings, and performing acoustic audits to confirm compliance with the noise requirements.

Mining

Mr. Flake has acted as a third-party peer reviewer for the City of Timmins, overseeing all aspects of environmental compliance (including acoustics, noise & vibration) for the Hollinger Pit Open Mine in Timmins.

Acoustic Audits were also conducted at Goldcorp's Red Lake Balmerton & Cochenour sites.

Renewable Energy

Mr. Flake has performed IEC 61400 testing of Wind Turbines and Transformer Station noise audits.

Noise Source Investigations and Room Acoustics

Mr. Flake has completed several projects involving design of spaces where sound privacy and room acoustics were critical. These projects have included noise complaint investigation, room acoustics, mechanical noise, noise measurements to quantify sound isolation, and environmental noise impact. Examples of spaces include cinemas, offices, hospitals and residential condominiums.

Kohl Clark, B.Eng., P.Eng.

Senior Project Manager

Profile

Kohl holds a Bachelor of Engineering in Mechanical Engineering from McMaster University. As an Acoustical Engineer at Aercoustics Engineering Ltd., Kohl brings experience tackling projects in a variety of industries, including architectural design, residential, environmental and transit. Kohl is a Professional Engineer with Professional Engineers Ontario.

Education & Experience

- Bachelor of Engineering, Mechanical Engineering, McMaster University, June 2016
- Acoustical Engineer, Aercoustics Engineering Ltd. August 2016 to present

Relevant Project Experience

Aggregate site modelling and design experience includes:

Law Quarry Extension	Wainfleet ON
Wallace Pit	Thamesford, ON
Robinson Pit	Central Frontenac, ON
Cunningham Pit	Ottawa, ON
Greely Quarry	Ottawa, ON
Lichty Pit	Various, ON
Bury Road Quarry	Bruce Peninsula, ON

Aggregate site review and audit experience includes:

Vinemount Quarries	Stoney Creek, ON
Brown Pit	North Dumfries, ON
Hennig Pit	North Dumfries, ON
Dance & Dabrowski Pits	North Dumfries, ON
Melancthon Pit	Melancthon, ON

Other relevant industrial noise modelling and assessment experience includes:

D. Crupi and Sons Ltd. Asphalt Plant	Oshawa, ON
Hamilton Wastewater Treatment Plant	Hamilton, ON
Lafarge Bath Cement Plant	Bath, ON
PureGold Mine	Madsen, ON
Cochenour Mine	Cochenour, ON
Red Lake Gold Mine	Red Lake, ON

End of Report
