

Intended for
Audalia Resource Limited

Date
18 June, 2020

AUDALIA RESOURCES LIMITED MEDCALF PROJECT DUST DEPOSITION STUDY

AUDALIA RESOURCES LIMITED MEDCALF PROJECT DUST DEPOSITION STUDY

Project name **Audalia Resources Limited Medcalf Project – Dust Deposition Study**
Project no. **318000777**
Recipient **Audalia Resources Limited**
Document type **Report**
Version **Final R02**
Date **18/06/2020**
Prepared by **Ruth Peiffer**
Checked by **Martin Parsons**
Approved by **John Miragliotta**

Ramboll
Level 7
41 St Georges Terrace
Perth
WA 6000
Australia

T +61 8 9225 5199
<https://ramboll.com>

CONTENTS

| | | |
|-----------|---|-----------|
| 1. | Introduction | 1 |
| 1.1 | Background | 1 |
| 1.2 | Purpose of this Report | 1 |
| 2. | Background Information | 3 |
| 2.1 | Operational Overview | 3 |
| 2.2 | Regional Climate | 4 |
| 2.3 | Existing Dust Deposition | 10 |
| 3. | Assessment Criteria | 15 |
| 3.1 | Particulate Deposition | 15 |
| 3.2 | Amenity | 16 |
| 4. | Air Dispersion Modelling and Methodology | 17 |
| 4.1 | Air Dispersion Model | 17 |
| 4.2 | Meteorological Data | 17 |
| 4.3 | Model Parameterisation | 20 |
| 4.3.1 | AERMET | 20 |
| 4.3.2 | AERMOD | 21 |
| 4.4 | Emission Estimates | 21 |
| 4.4.1 | Factors Influencing Dust Emissions | 21 |
| 4.4.2 | Emission Estimation | 22 |
| 4.4.3 | Particle Size Distribution | 29 |
| 5. | Modelling Results | 31 |
| 5.1 | Predicted Particulate Deposition Rates | 31 |
| 6. | Conclusion | 42 |
| 7. | Limitations | 44 |
| 7.1 | User Reliance | 44 |
| 8. | References | 45 |
| 9. | Addendum | 46 |

LIST OF TABLES

| | |
|---|----|
| Table 1: Summary of Dust Deposition Monitoring Results | 13 |
| Table 2: Amenity Dust Deposition Criteria | 16 |
| Table 3: AERMOD Grid Receptor Parameters | 21 |
| Table 4: Summary of Fugitive Particulate Emission Estimates – Year 01 | 23 |
| Table 5: Summary of Fugitive Particulate Emission Estimates – Year 11 | 25 |
| Table 6: Source Particle Size Distributions | 30 |
| Table 7: Summary of Maximum Predicted Dust Deposition Rates | 31 |
| Table 8: Summary of Monthly Predicted Dust Deposition Rates | 36 |

LIST OF FIGURES

| | |
|---|----|
| Figure 1: Medcalf Project Proposed Mine Site Layout | 2 |
| Figure 2: Proposed Mining Schedule | 3 |
| Figure 3: Long-term Mean Monthly Rainfall for Salmon Gums and Norseman BoM Monitoring Sites | 5 |
| Figure 4: Salmon Gums Annual 9 AM and 3 PM Wind Roses (Nov 1985 to Aug 2019) | 6 |
| Figure 5: Norseman Annual 9 AM and 3 PM Wind Roses (Jan 1957 to Aug 2012) | 7 |
| Figure 6: Salmon Gums Annual Wind Roses (2014-2018) | 8 |
| Figure 7: Salmon Gums Seasonal Wind Roses (2014-2018) | 9 |
| Figure 8: Locations of Dust Deposition Monitors | 11 |
| Figure 9: Locations of Dust Deposition Monitors – Mine Envelope | 12 |
| Figure 10: Summary of Monthly Dust Deposition Rates | 14 |
| Figure 11: Percentage Distribution of Wind Speeds | 18 |
| Figure 12: TAPM Predicted Annual Wind Roses (2014-2018) | 19 |
| Figure 13: TAPM Predicted Seasonal Wind Rose (2018) | 20 |
| Figure 14: Arcs of influence for Pop 1b and Pop 1c | 27 |
| Figure 15: Percentage of time wind direction falls with arcs of influence for Pop 1b and 1c, during operating hours | 28 |
| Figure 16: Maximum Predicted 24-Hour Average Deposition Rates – Year 1 (g/m ² .day) | 32 |
| Figure 17: Maximum Predicted Monthly Average Deposition Rates – Year 1 (g/m ² .month) | 33 |
| Figure 18: Maximum Predicted 24-Hour Average Deposition Rates – Year 11 (g/m ² .day) | 34 |
| Figure 19: Maximum Predicted Monthly Average Deposition Rates – Year 11 (g/m ² .month) | 35 |
| Figure 20: Pollution Rose for Predicted Monthly Deposition (g/m ²) at Population 1b | 38 |
| Figure 21: Pollution Rose for Predicted Monthly Deposition (g/m ²) at Population 1c | 39 |
| Figure 22: Source Contribution to Maximum Predicted 24-hour Average Dust Deposition Rates (Year 01) | 40 |
| Figure 23: Proposed Revision of Vesuvius Pit Boundary | 47 |

APPENDICES

Appendix 1

Aermet Input Files

Appendix 2

Aermod Input Files

1. INTRODUCTION

1.1 Background

Audalia Resources Limited (Audalia) is proposing to develop the Medcalf Project, a vanadium, titanium and iron project located approximately 470 km south east of Perth near Lake Johnston, Western Australia. The proposal includes the development of four open mine pits, beneficiation plant, tailings storage facility, evaporations ponds, process water facility, waste rock landform, private haul road, road train transfer area and associated infrastructure such as laydown areas, borrow and gravel pits, borefield, workshops, administration building and accommodation camp (Figure 1).

Baseline environmental surveys have identified one flora species listed as Threatened under the *Biodiversity Conservation Act 2016* (BC Act) within the Project site; *Marianthis aquilonaris*. In order to mitigate the potential impacts of mining operations on this species, Audalia propose to exclude all sub-populations of *M.aquilonaris* from the mine development envelope; and to implement a buffer zone (a nominal minimum of 30 m) around all sub-populations.

Audalia has requested that Ramboll Australia Pty Ltd (Ramboll) undertake air dispersion modelling of fugitive dust emissions from the proposed Project, to determine the potential dust deposition rates within and around the proposed buffer zones for the *M.aquilonaris* sub-populations.

1.2 Purpose of this Report

This report presents the assessment of the potential dust deposition rates associated with fugitive particulate emissions from the proposed Medcalf Project. The approach, methodology and results of the air dispersion modelling are detailed as well as the predicted impacts.

Two scenarios have been considered for the purpose of this assessment:

- A 'worst-case' scenario, based on mine scheduling information, mining production rates and the proximity of proposed operations to the *M.aquilonaris* sub-populations; and
- A mid-schedule mining scenario, assuming in-pit mining activity within close proximity of the *M.aquilonaris* sub-populations occurs at depths of 25 m or more below ground level.

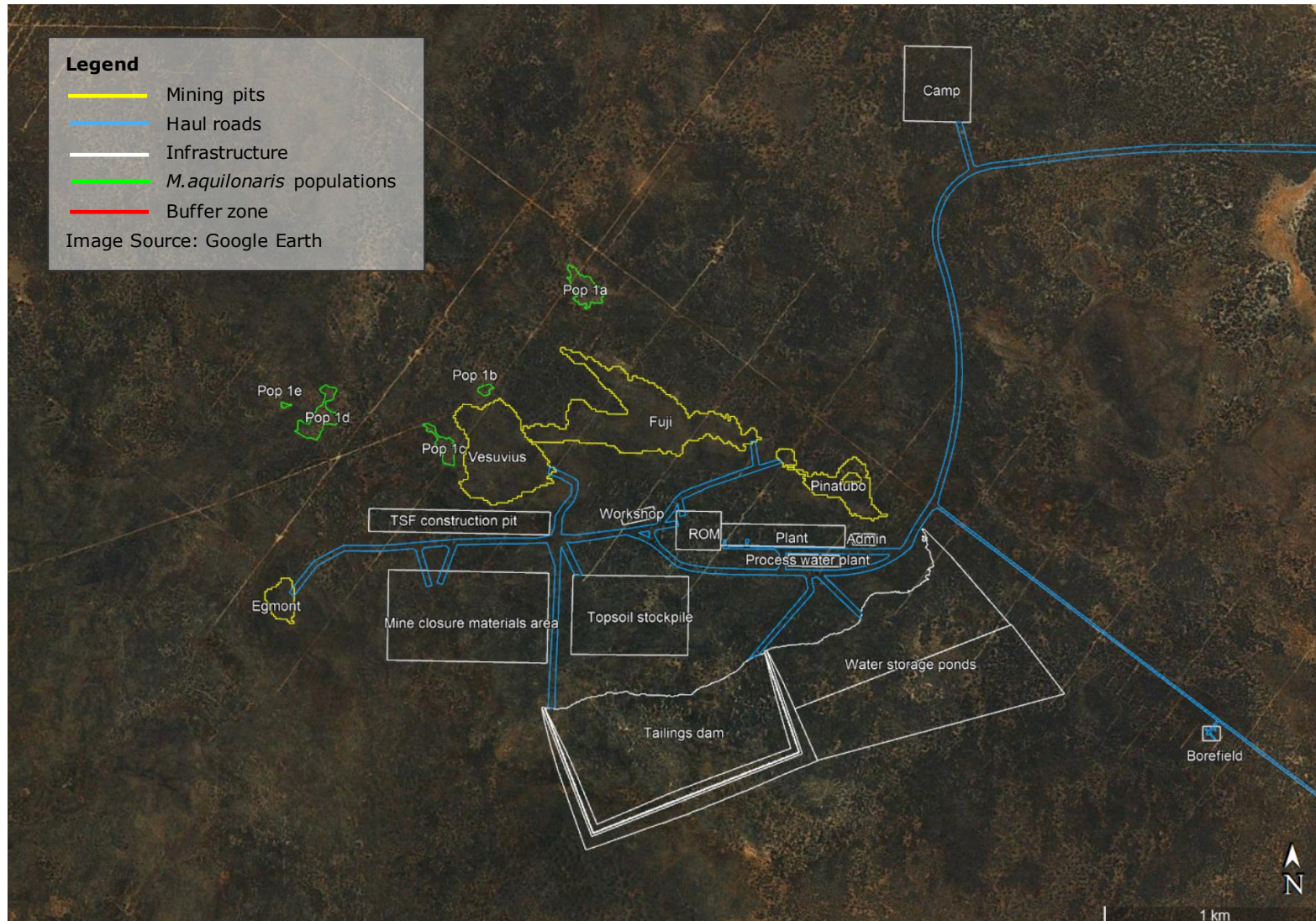


Figure 1: Medcalf Project Proposed Mine Site Layout

2. BACKGROUND INFORMATION

2.1 Operational Overview

The proposed Medcalf Project involves shallow (above the groundwater table) open pit mining for three separate open pits; the Vesuvius, Fuji, Pinatubo and Egmont deposits. The combined ore tonnage inventory is for 19.1 Million tonnes (Mt), with a waste/ore strip ratio of 0.15. The mine schedule indicates a pit life of 13 years and maximum combined ore and waste rock movement of 1.8 Million tonnes per annum (Mtpa) in Year 4 (Figure 2).

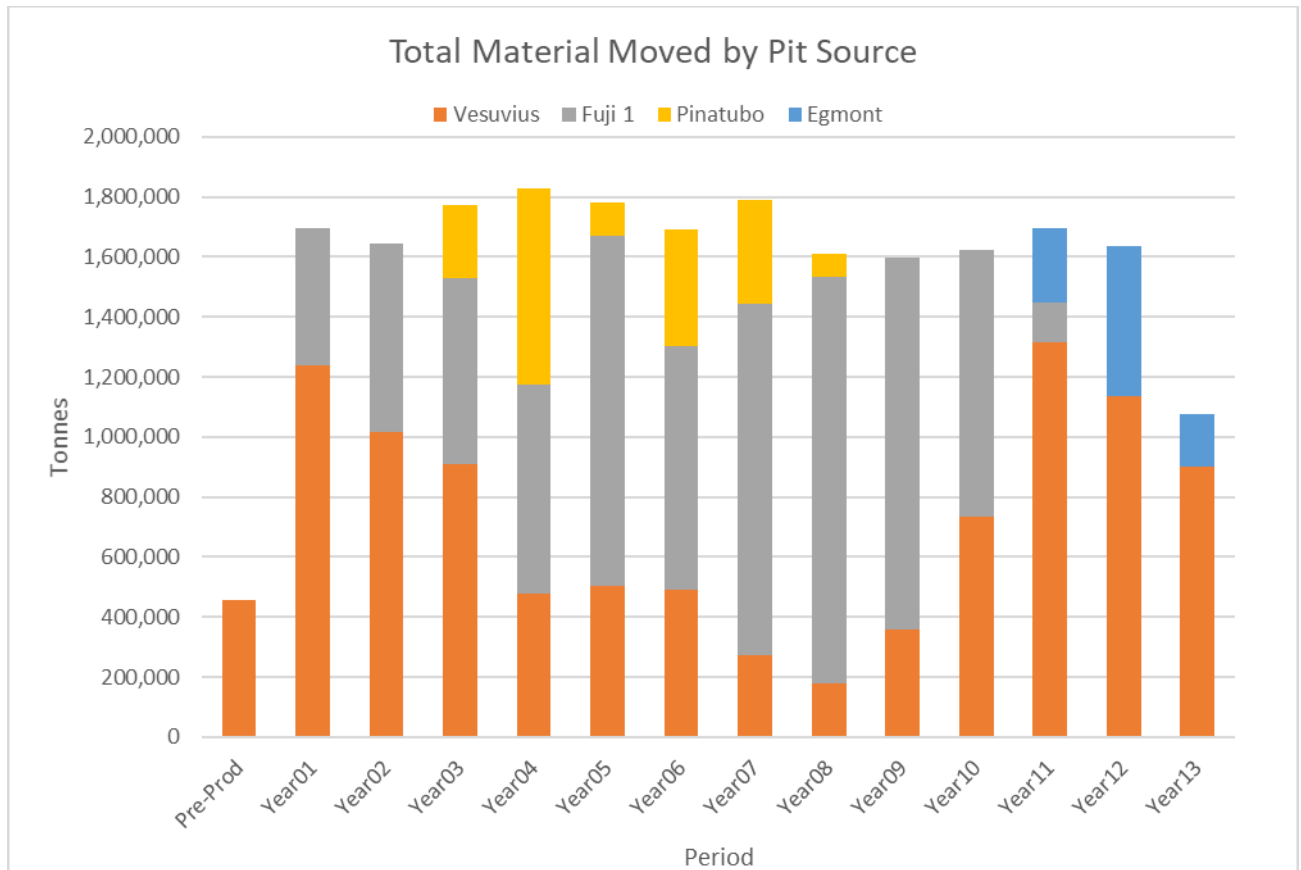


Figure 2: Proposed Mining Schedule

Mining will be by conventional load and haul, but will involve minimal drilling and assumed no blasting. A bulldozer will rip and clear the overburden and an excavator will load out the visible ore onto 50 tonne capacity articulated dump trucks that will deliver the ore to the run of mine (ROM) pad. Waste rock will be transported to a waste rock material storage area located to the south of the Vesuvius pit.

The ROM ore will be processed onsite at a beneficiation plant, incorporating a comminution circuit (including both crushing and milling processes) and a magnetic separation circuit, upgrading the ROM ore to a primary concentrate. The primary concentrate is dewatered by thickening and filtration, with the filter cake stacked and prepared for transport. The tailings generated from the magnetic separation circuit will be thickened and stored in an unlined tailings storage facility (TSF). Based on the current mining rate of 1.5 Mtpa, approximately 1.2 Mtpa of concentrate will be produced from the beneficiation plant.

The primary concentrate is proposed to be hauled by road trains along a 74 km private haul road from the mine to a dedicated road train transfer area adjacent to the Coolgardie-Esperance Highway. The primary concentrate will be stockpiled at this transfer area, and then loaded onto highway-approved road trains for the remainder of the journey to the Esperance Port.

Mining, processing and haulage operations will occur during day shifts only, nominally between 06:00 and 18:00 hrs. The mining fleet will nominally comprise:

- 1 x 4.3m³ bucket excavator
- 4 x 50 t articulated dump trucks
- 1 x water cart
- 1 x grader
- 1 x dozer
- 1 x hammer drill
- 1 x front end loader

Review of the minesite layout indicates the western and northern boundaries of the Vesuvius pit are within closest proximity to any of the identified *M.aquilonaris* sub-populations, abutting the nominal 30 m exclusion zone for populations 1b and 1c (Figure 1). The proposed mining schedule indicates peak near-surface activity within the Vesuvius pit is scheduled to occur in Year 1. This year has therefore been selected as the 'worst-case' scenario for consideration in the dust deposition study, as it represents the highest mining production rate, within closest proximity to the *M.aquilonaris* sub-populations. The Year 11 mining schedule has been selected for the purpose of assessing the mid-schedule mining scenario as this represents the highest production rate for below ground level activity within the Vesuvius pit. Information provided by Audalia indicates mining activity within the Vesuvius pit during this year will be at 25 m or more below ground level.

2.2 Regional Climate

The proposed Medcalf Project is located in the Lake Johnston region of WA. The regional climate is characterised as arid to semi-arid, warm Mediterranean. Mean climate data for the Salmon Gums (91 km south-east of the Project site) and Norseman (98 km north-east of the Project site) Bureau of Meteorology (BoM) meteorological monitoring stations were obtained from the BoM. The long-term mean annual rainfall data for the two sites are presented in Figure 3. These data indicate the highest rainfall at the Salmon Gums site tends to occur between May and August; while the highest rainfall at the Norseman site occurs between May and July. The mean annual rainfall for the Salmon Gums¹ site is 341 mm; and for Norseman² is 298 mm.

¹ Source: http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_nccObsCode=139&p_display_type=dataFile&p_startYear=&p_c=-29035523&p_stn_num=012070

² Source: http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_nccObsCode=139&p_display_type=dataFile&p_startYear=&p_c=-29035523&p_stn_num=012009

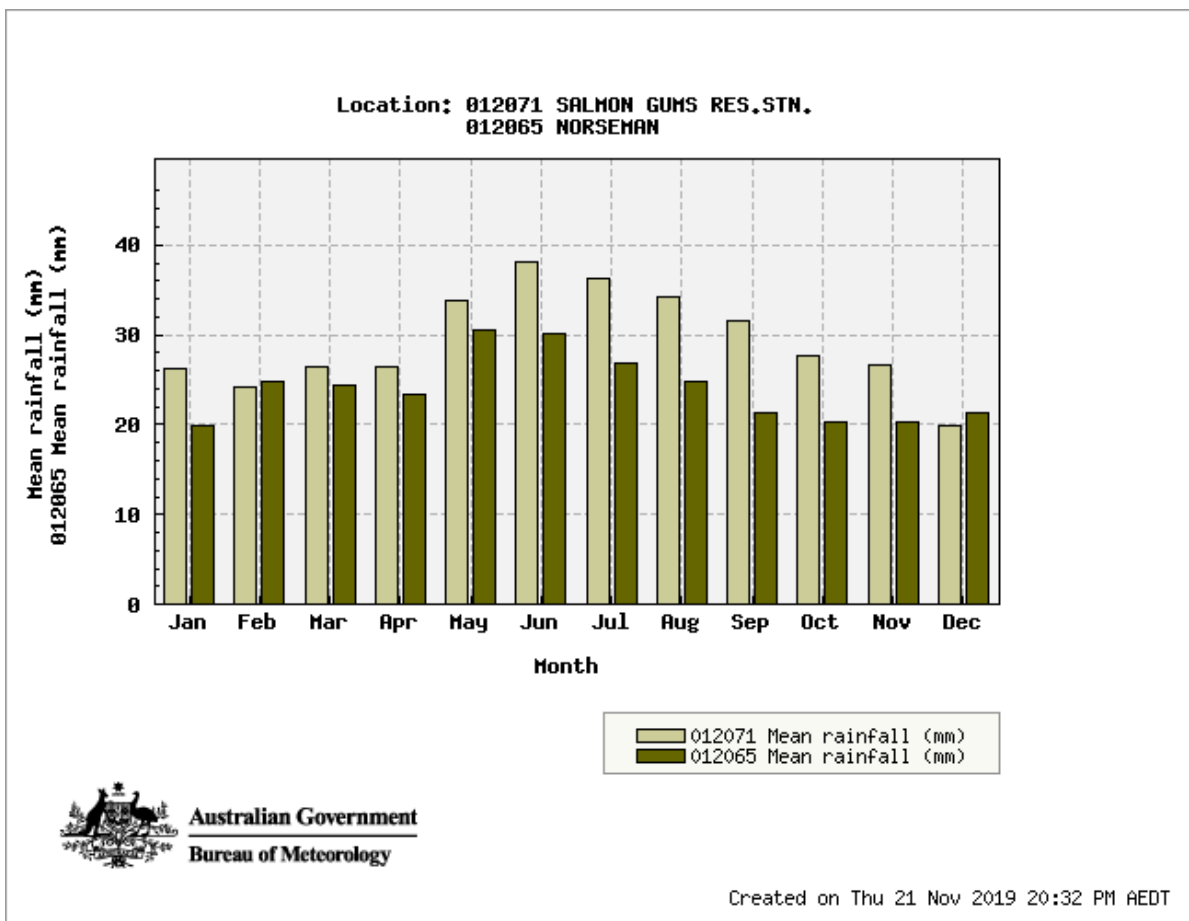
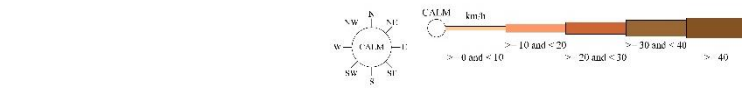


Figure 3: Long-term Mean Monthly Rainfall for Salmon Gums and Norseman BoM Monitoring Sites

Source: BoM

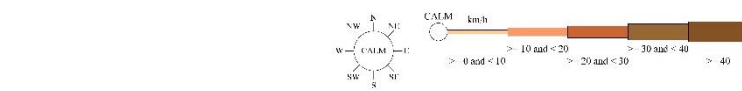
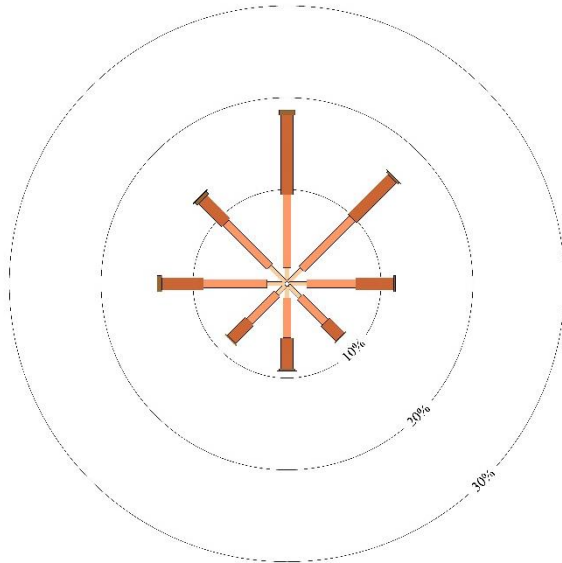
The 9 am and 3 pm annual wind roses for the Salmon Gums and Norseman monitoring sites are presented in Figure 4 and Figure 5. These wind roses indicate the Salmon Gums site experiences a higher percentage of stronger (i.e. > 5 m/s) winds in the morning and afternoon compared to the Norseman site. The wind direction tends northerly in the morning and southerly in the afternoon at Salmon Gums (Figure 4); while at Norseman the winds tend north-west through north-east in the morning and north-westerly in the afternoon (Figure 5).

Audalia Resources Limited Medcalf Project
 Dust Deposition Study



9 am
 7662 Total Observations

Calm 1%



3 pm
 7547 Total Observations

Calm *

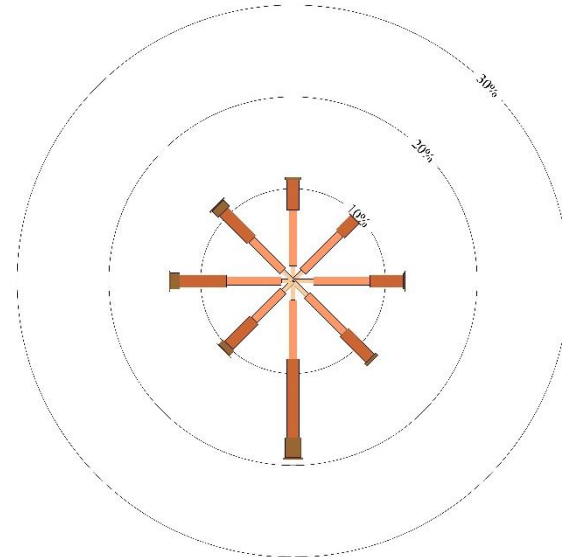


Figure 4: Salmon Gums Annual 9 AM and 3 PM Wind Roses (Nov 1985 to Aug 2019)

Source: BoM

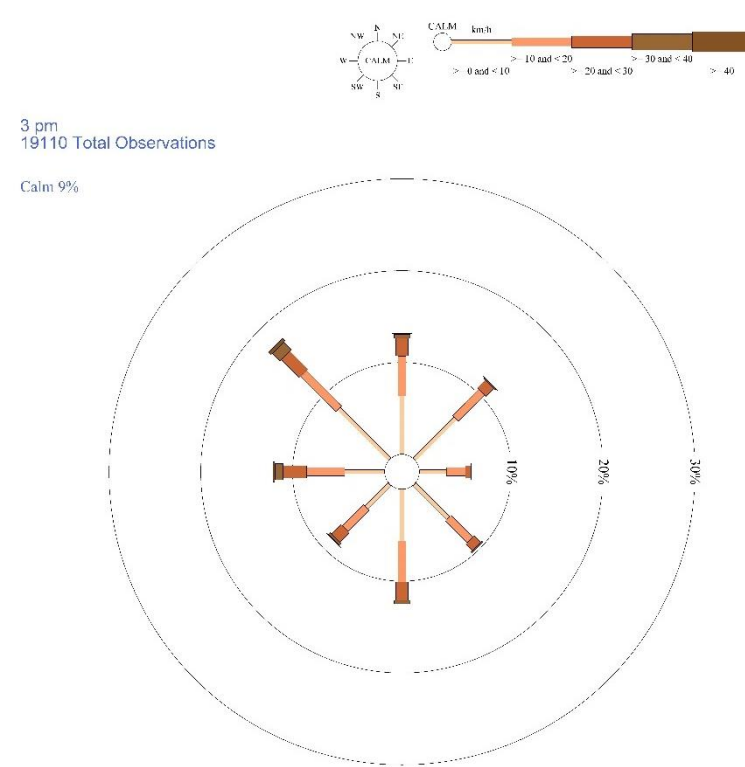
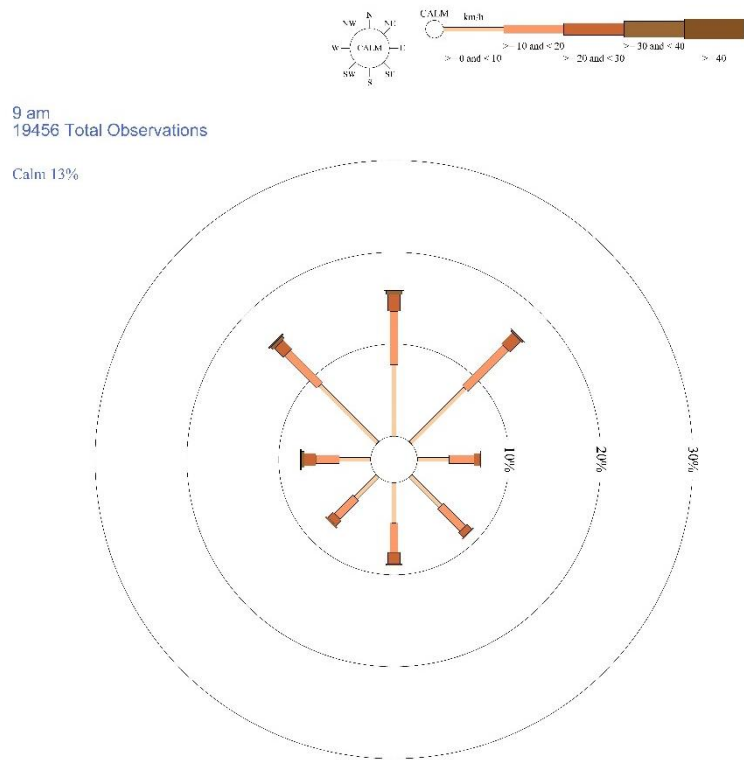


Figure 5: Norseman Annual 9 AM and 3 PM Wind Roses (Jan 1957 to Aug 2012)

Source: BoM

Hourly meteorological data were obtained from the BoM for the Salmon Gums site for a five-year period (from 2014 through 2018) for additional analysis. Annual wind roses are presented in Figure 6 and seasonal wind roses in Figure 7. The annual wind roses illustrate a relatively consistent pattern from year to year, with no clearly dominate wind component. However, review of the seasonal wind roses shows a clear distinction between the summer and winter months; moderate to strong easterly-through-southerly winds dominate the summer months, while light to moderate westerly-through-northerly winds characterise the winter months. During the transitional seasons of autumn and spring, the winds remain highly variable.

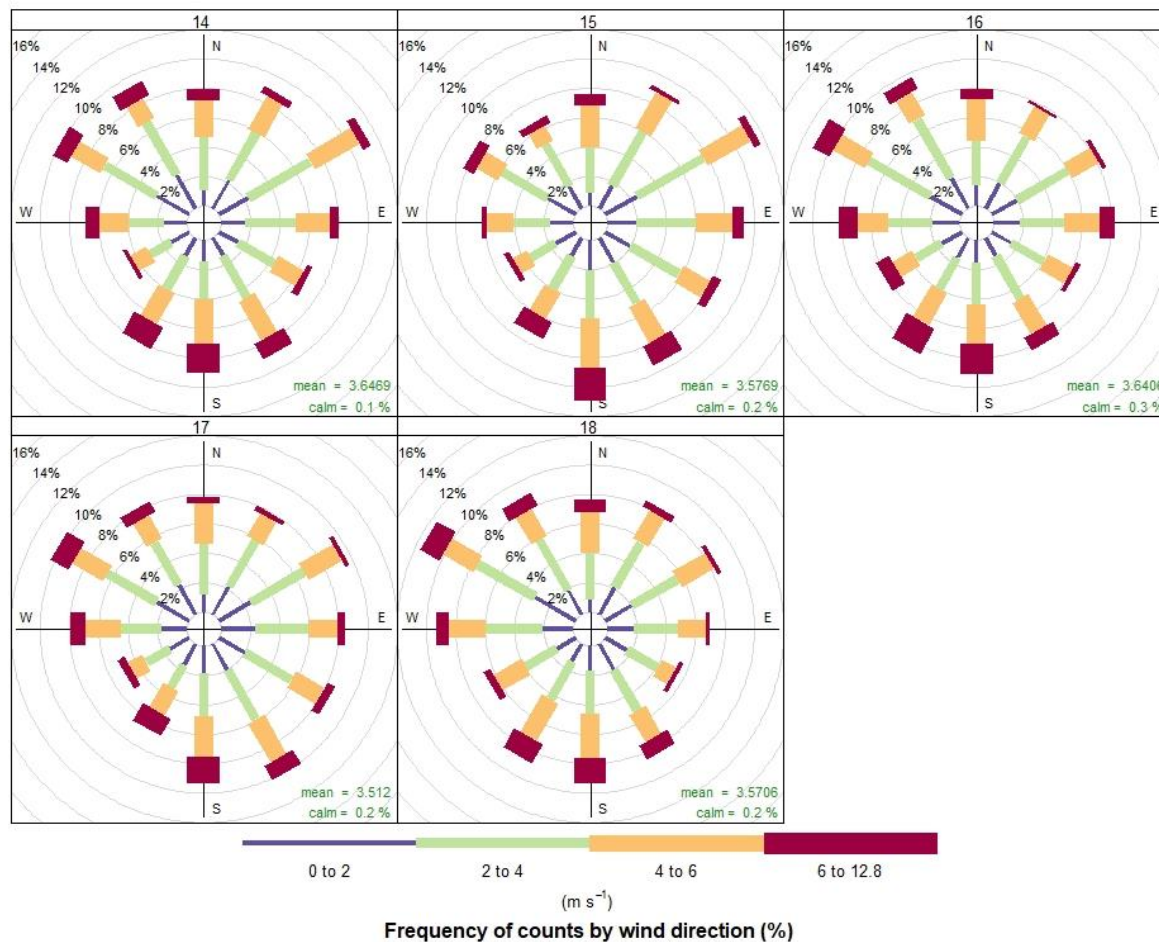


Figure 6: Salmon Gums Annual Wind Roses (2014-2018)

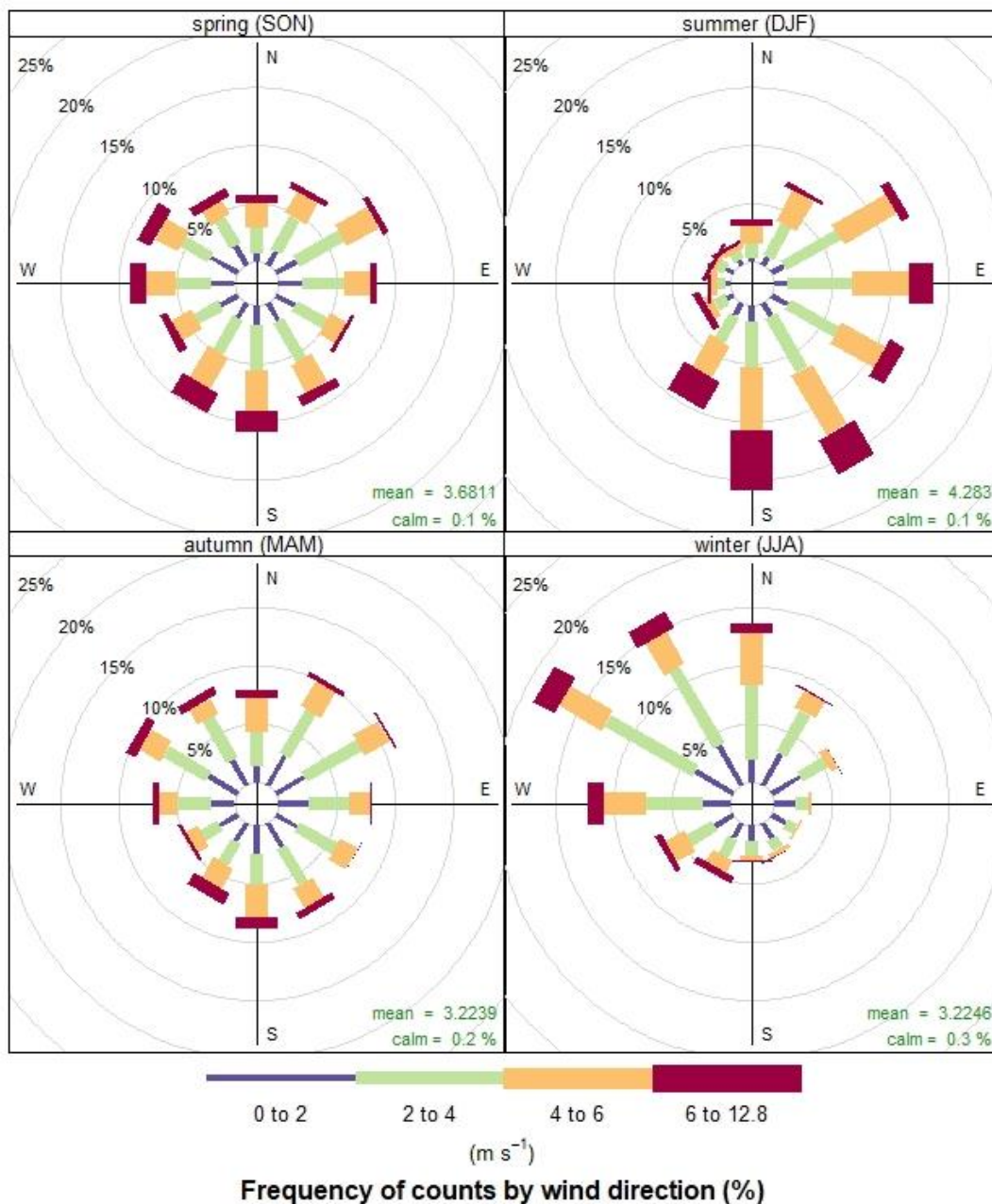


Figure 7: Salmon Gums Seasonal Wind Roses (2014-2018)

2.3 Existing Dust Deposition

Audalia have undertaken monthly dust deposition monitoring at the Project site since October 2018. The monitoring network comprises 12 dust deposition gauges, the locations of which are presented in Figure 8. Nine of the gauges are located within the immediate mine area (Figure 9) and two are within the proposed haul road envelope (DGM4 and DGM5). A background gauge is located approximately 18 km north-west of the proposed operations (DGM1). Deposition gauges DG1A, DG1B and DG1C are located at the respective *M.aquilonaris* sub-populations 1a, 1b and 1c.

The deposition gauges are collected on a monthly basis and sent to a NATA accredited laboratory for analysis. The samples are analysed in accordance with the applicable standards (AS3580.10.1:2016: Determination of particulate matter – Deposited matter – Gravimetric method) and results are reported for ash content, total soluble matter and total insoluble matter (g/m².month).

A summary of the monthly dust deposition monitoring results provided by Audalia is presented in Table 1. Total dust deposition has been calculated based on the sum of the total soluble and total insoluble matter. The average monthly dust deposition rates across all sites range between 0.08 g/m².month and 1.5 g/m².month.

A graphical representation of the monthly dust deposition rates is presented in Figure 10. The highest monthly deposition rates were reported in March and April 2019, the maximum being 5.2 g/m².month at DGM1 in April 2019. The exposure period for the March 2019 samples was 65 days, due to the presence of a regional fire which prohibited access for the monthly collection of the deposition gauges. Comparatively elevated depositions rates were also recorded for the 8 November 2018 sample period at DGM3, and the 29 November 2018 sample period at DGM4.

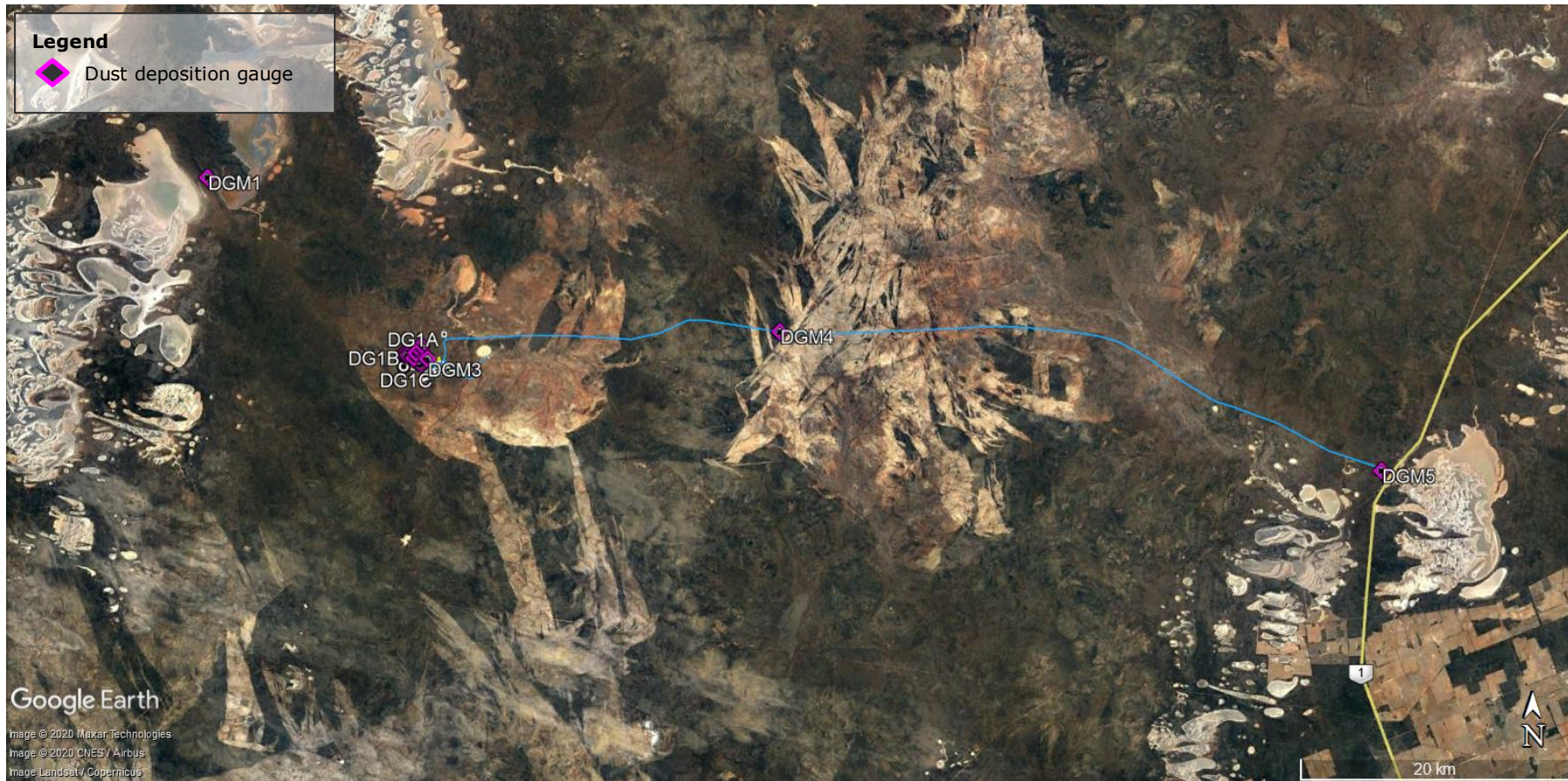


Figure 8: Locations of Dust Deposition Monitors

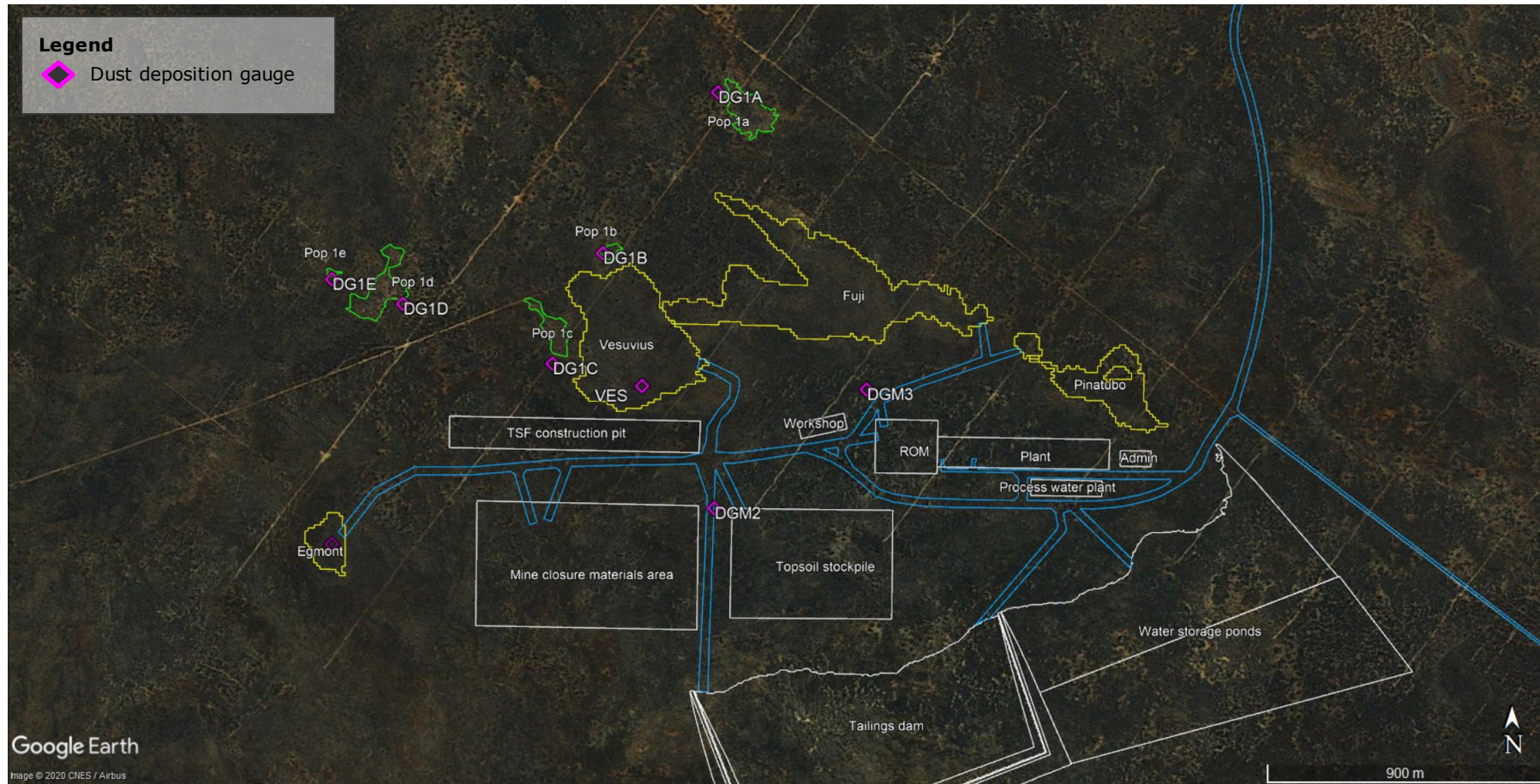


Figure 9: Locations of Dust Deposition Monitors – Mine Envelope

Table 1: Summary of Dust Deposition Monitoring Results

| Sampling Period | Exposure Period (Days) ¹ | Total Dust Deposition (g/m ² .month) | | | | | | | | | | | |
|---------------------|-------------------------------------|---|---------------|------|------|------|------|------|------|-----|-----|-----------|------|
| | | DG1A | Mine Envelope | | | | | | | | | Haul Road | |
| | | | DG1B | DG1C | DG1D | DG1E | DGM1 | DGM2 | DGM3 | VES | EGM | DGM4 | DGM5 |
| 10/09/18 - 08/11/18 | 59 ^[2] | 0.7 | 0.5 | 0.7 | 0.8 | 1 | 0.5 | 0.7 | 3 | ND | ND | 0.7 | 0.4 |
| 08/11/18 - 29/11/18 | 21 | 0.9 | 0.6 | 0.7 | 0.9 | 1.3 | 0.5 | 0.4 | 0.9 | 0.4 | 0.6 | 3.7 | 1.3 |
| 28/11/18 - 08/01/19 | 41 | 0.3 | 0.5 | 0.4 | 0.5 | 0.7 | 0.9 | 0.3 | 0.7 | 1.5 | 1.6 | 0.6 | 0.7 |
| 08/01/19 - 14/03/19 | 65 ^[2] | 2.1 | 2.2 | 1.9 | 2.2 | 2.2 | ND | 1.9 | 2.6 | 2.0 | 2.4 | 1.8 | 0.9 |
| 14/03/19 - 16/04/19 | 33 | 2.7 | 2.1 | 1.7 | 3.1 | 1.2 | 5.2 | 1.8 | 2.3 | 0.8 | 0.8 | 2.6 | 3.3 |
| 16/04/19 - 22/05/19 | 36 | 0.4 | 0.5 | 0.4 | 0.6 | 0.5 | 2.4 | 0.3 | 0.5 | 0.4 | 0.5 | 0.4 | 2.5 |
| 22/05/19 - 03/07/19 | 42/34 ^[3] | 0.3 | 0.3 | 0.4 | 0.4 | 1.3 | 0.5 | 0.2 | 0.3 | 1.1 | 1 | 0.5 | 0.4 |
| 03/07/19 - 31/07/19 | 30/36 ^[4] | 0.3 | 0.4 | 1.1 | 0.3 | 0.4 | 0.5 | ND | 0.2 | 0.4 | 0.6 | 0.3 | 0.2 |
| 31/07/19 - 29/08/19 | 29 | 0.2 | 0.4 | 0.2 | 0.2 | 0.5 | 1.6 | 0.4 | 0.3 | 0.6 | 0.6 | 0.3 | 0.5 |
| Average | - | 0.9 | 0.8 | 0.8 | 1.0 | 1.0 | 1.5 | 0.8 | 1.2 | 0.9 | 1.0 | 1.2 | 1.1 |

Notes

1. Typical exposure period specified in AS3580.10.1:2016 is 30±2 days.
2. Presence of fire prohibited collection of dust deposition gauge within monthly period.
3. Sample exposure period is 34 days for DGM4 and DGM5 and 42 days for all other gauges.
4. Sample exposure period is 36 days for DGM4 and DGM5 and 30 days for all other gauges.
5. ND = No data.

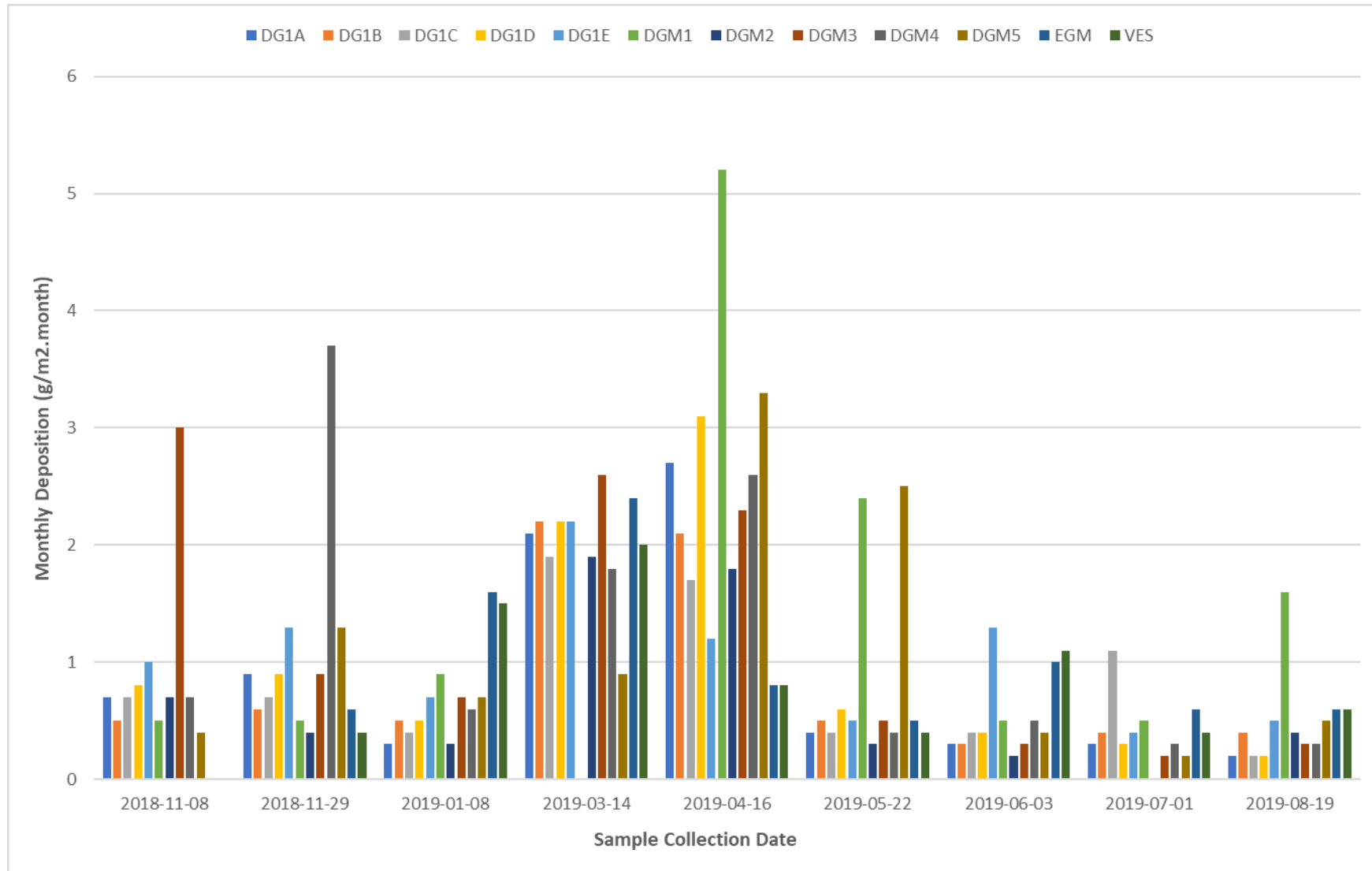


Figure 10: Summary of Monthly Dust Deposition Rates

3. ASSESSMENT CRITERIA

3.1 Particulate Deposition

There are no specific assessment guidelines available for impacts on vegetation from dust deposition, however a number of studies on impacts to vegetation from particulate deposition have been completed in Australia and globally.

Most studies of the effects of mineral dusts on vegetation have focussed on dusts that have chemical effects (e.g. cement dust) or where dust loads exceed 7 g/m^2 . Relatively inert mineral dusts, such as those generated in the mining process or from unsealed haul roads principally influence light and temperature relations of leaves.

A study by Doley and Rossato (2010) used published data to assess the impacts of particulate deposition on photosynthesis in cotton leaves and canopies. The study indicated that many plants species have similar ranges of values for the photosynthetic parameters used in assessing the impacts on cotton and it is possible to use the cotton estimates as a general estimate for the purpose of modelling the impacts particulate deposition and thereby the environmental risks associated with dust generating activities. The results of the study indicated that at deposition levels of approximately $0.3 \text{ g/m}^2 \cdot \text{day}$, the estimated reductions in canopy photosynthesis of cotton plants would be less than 7% with a <1% decrease in productivity (Doley & Rossato, 2010).

Matsuki et al. (2016) sought to assess the relationship between dust accumulation on plant surfaces and plant health and survivorship using data from two medium-term monitoring studies undertaken in semi-arid Australia. The study sites were located at the Windarling Range (approximately 300 km north-west of the Project site), and Barrow Island (approximately 50 km off the Pilbara coast of Western Australia). Plant health and survivorship of a threatened subspecies (*Tetratheca paynterae paynterae*) were measured at varying distances from open pit mining operations at the Windarling Range study site between 2003 and 2014 and compared with dust load (assessed between 2004 and 2010) and dust deposition (measured between 2011 and 2013). At Barrow Island, plant health and floristic composition were measured at varying distances from a construction site between 2009 and 2012 and compared with dust deposition measurements.

Matsuki et al. (2016) report that neither plant health nor survivorship appear to be related to distance from the mining pit at the Windarling Range site. Dust deposition rates ranged between 0.6 to $20.1 \text{ g/m}^2 \cdot \text{month}$ and were slightly higher closer to the edge of the pit (up to approximately 100 m), decreasing rapidly with distance; however, there was no significant difference in plant health condition over the same distance (Matsuki et al., 2016). The authors note that although plants adjacent to the pit showed higher dust loads and physiological signs of stress, this did not appear to have impacted the health condition or survivorship of the species in question. At the Barrow Island study site, dust deposition rates ranged between 0 and $77 \text{ g/m}^2 \cdot \text{month}$, although no statistically significant relationship was observed between deposition rates and distance from the source (Matsuki et al., 2016). Plant health condition was also reportedly unrelated to distance from the source of dust, instead affected by environmental conditions (namely rainfall).

It should be noted that as the area around the mine is an arid environment, it is likely that natural vegetation in the region would have a degree of tolerance to these conditions. Matsuki et al. (2016) note that plants in semi-arid environments are likely to be exposed to dust naturally and as a result, may be less likely to suffer from short-term impacts of dust. The Doley and

Rossato (2010) study also noted that in more complex plant associations, species that grow in heavily shaded understories are much more likely to be susceptible to dust deposition than plants exposed to direct sunlight. Ramboll understands the vegetation of the region does not typically contain dense undergrowth and this is therefore not considered as a factor for the air dispersion modelling study.

In summary, the Doley and Rosato (2010) study provides a general estimate for assessing the impacts of dust deposition on vegetation, namely that levels of 0.3 g/m²/day or more may be associated with a reduction in canopy photosynthesis; while the Matsuki et al. (2016) report suggests plants within semi-arid regions, such as that of the Project site, may be able to tolerate higher deposition rates without significant impact to plant health condition.

3.2 Amenity

The New South Wales Department of Environment and Climate Change (NSW DECC) have published dust deposition criteria, designed to take into account potential amenity impacts, such as dust depositing on fabrics and buildings. The use of these guidelines serve as a reference as to the potential magnitude of the impacts associated with dust deposition, but are not intended to be used as an indication of acceptability of the predicted impacts.

The NSW guidelines are based on studies undertaken on coal dust deposition in the Hunter Valley in NSW by the National Energy Research and Demonstration Council (NERDC, 1988). While the dust deposition guideline is expressed as g/m²/month, the NSW DECC has indicated that the monthly average deposition (to be compared against the guideline value) is to be determined from data spanning no less than one year, so as to account for seasonal variations.

Table 2: Amenity Dust Deposition Criteria

| Pollutant | Averaging Period | Criteria (g/m ² /month) |
|-----------------------------|--------------------------------|------------------------------------|
| Deposited dust ¹ | Annual (increase) ² | 2 |
| | Annual (total) ³ | 4 |

Notes

1. Dust is assessed as insoluble solids as defined by AS 3580.10.1-1991 (AM-19).
2. Maximum increase in deposited dust level.
3. Maximum total deposited dust level.

The NSW Environmental Defender’s Office (EDO) advises that the criteria for the maximum increase in deposited dust of 2 g/m²/month is applicable when baseline data on deposited dust exists, while the total deposited dust criteria of 4 g/m²/month criteria is applied when no baseline data exists.

4. AIR DISPERSION MODELLING AND METHODOLOGY

4.1 Air Dispersion Model

The American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) (Version 16216) has been used to predict the potential dust deposition rates associated with fugitive particulate emissions from the proposed Medcalf Project.

AERMOD is one of the current United States Environment Protection Agency (USEPA) recommended air dispersion models and was specially designed to support the USEPA's regulatory modelling programs. AERMOD is a current-generation air dispersion model that incorporates concepts such as planetary boundary layer theory and advanced methods for handling complex terrain and was developed to replace the Industrial Source Complex Model-Short Term (ISCST3) as the USEPA's preferred model for most local scale regulatory applications.

4.2 Meteorological Data

In the absence of site-specific meteorological monitoring data suitable for use in dispersion modelling, The Air Pollution Model (TAPM) (Version 4) was used to generate the required meteorological parameters. TAPM was developed by the Australian Commonwealth Scientific and Industrial Research Organisation (CSIRO) and consists of coupled prognostic meteorological and air pollution dispersion model components. The meteorological component of TAPM predicts the local-scale meteorological features, such as sea breezes and terrain-induced circulations, using the larger-scale synoptic meteorology as boundary conditions combined with other data including terrain, land use, soil and surface types. TAPM has been used extensively throughout Australia for generating site specific meteorological files for use in air dispersion modelling studies.

It is noted that past versions of TAPM under-predicted the frequency of occurrence of low wind speeds, although this has been improved considerably in Version 4. In addressing the light wind issue, TAPM Version 4 tends to under-predict the high winds at the surface, which is important particularly for fugitive dust assessments involving wind erosion. However, comparison of the TAPM predicted wind speeds for the 2014 to 2018 calendar years to the wind speed data measured at the BoM Salmon Gums site indicates similar percentage distributions in both datasets, across a range of wind speed categories, particularly in relation to higher wind speeds (i.e. > 6 m/s) (Figure 11).

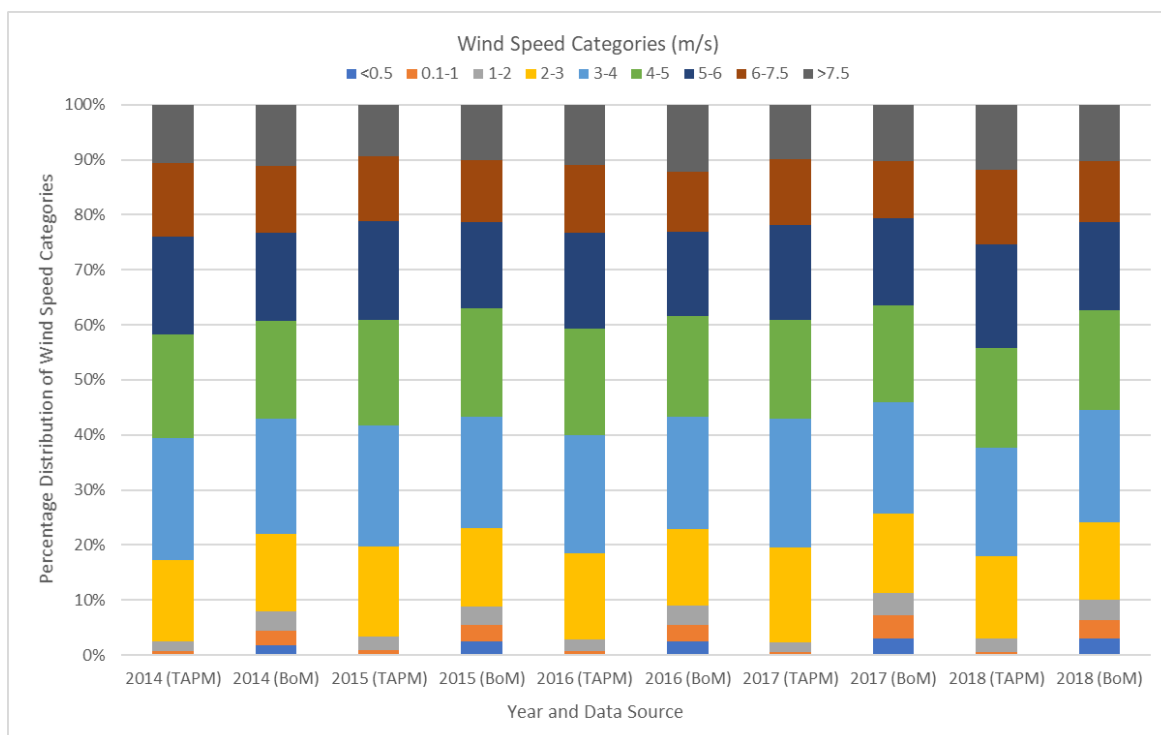


Figure 11: Percentage Distribution of Wind Speeds

Annual wind roses derived from the TAPM predicted meteorological dataset are presented in Figure 12 for the calendar years 2014 to 2018. Comparison of these wind roses to those presented in Figure 6 (based on meteorological monitoring data for the BoM Salmon Gums site) shows similar wind speed and direction, with no clearly dominate wind component.

The TAPM predicted meteorological data for the 2018 calendar year was selected for use in the model. These data are considered comparable to the available regional meteorological monitoring data and have the highest annual average wind speed (3.8 m/s) of all years considered. A seasonal wind rose for the 2018 (TAPM predicted) calendar year is presented in Figure 13. This figure illustrates a similar pattern of seasonal wind distributions, as compared to the seasonal wind roses based on the BoM data presented in Figure 7.

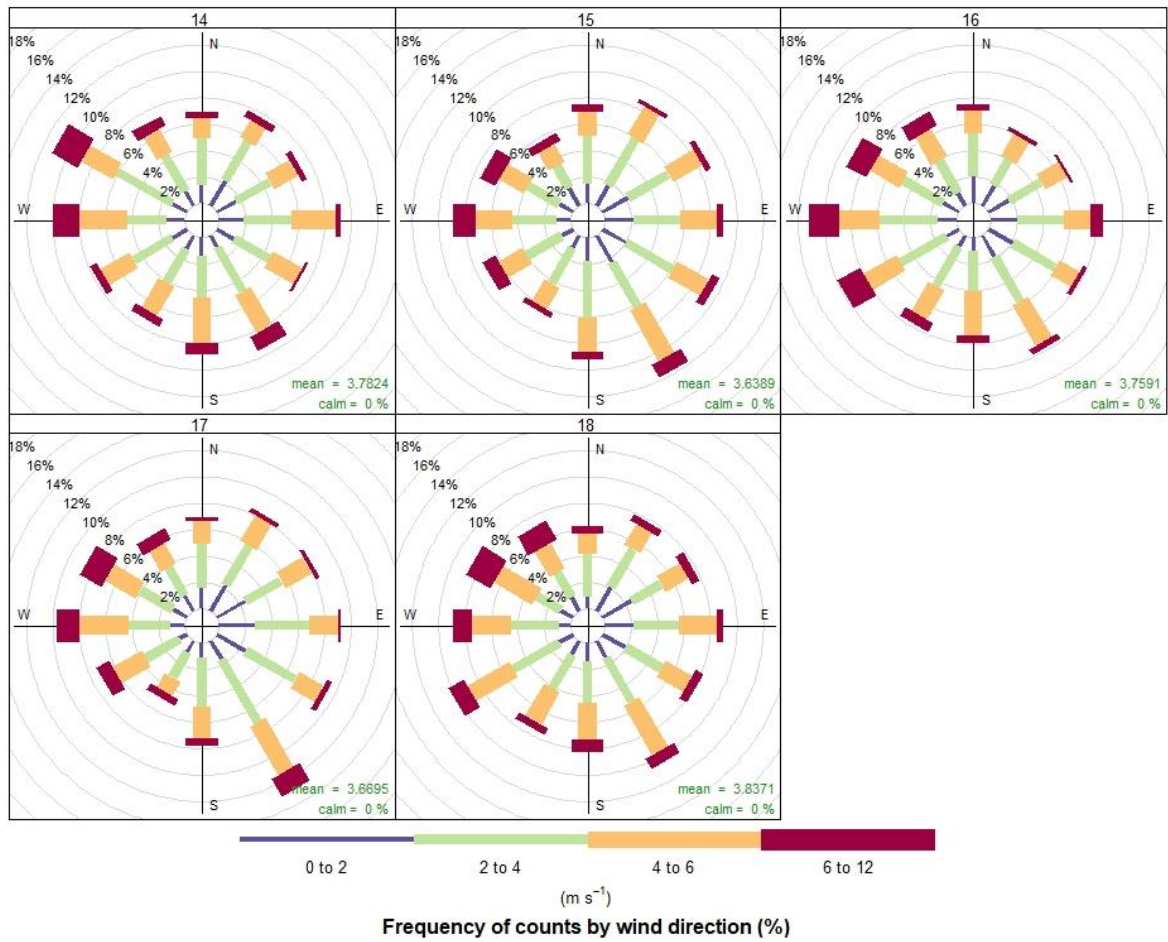


Figure 12: TAPM Predicted Annual Wind Roses (2014-2018)

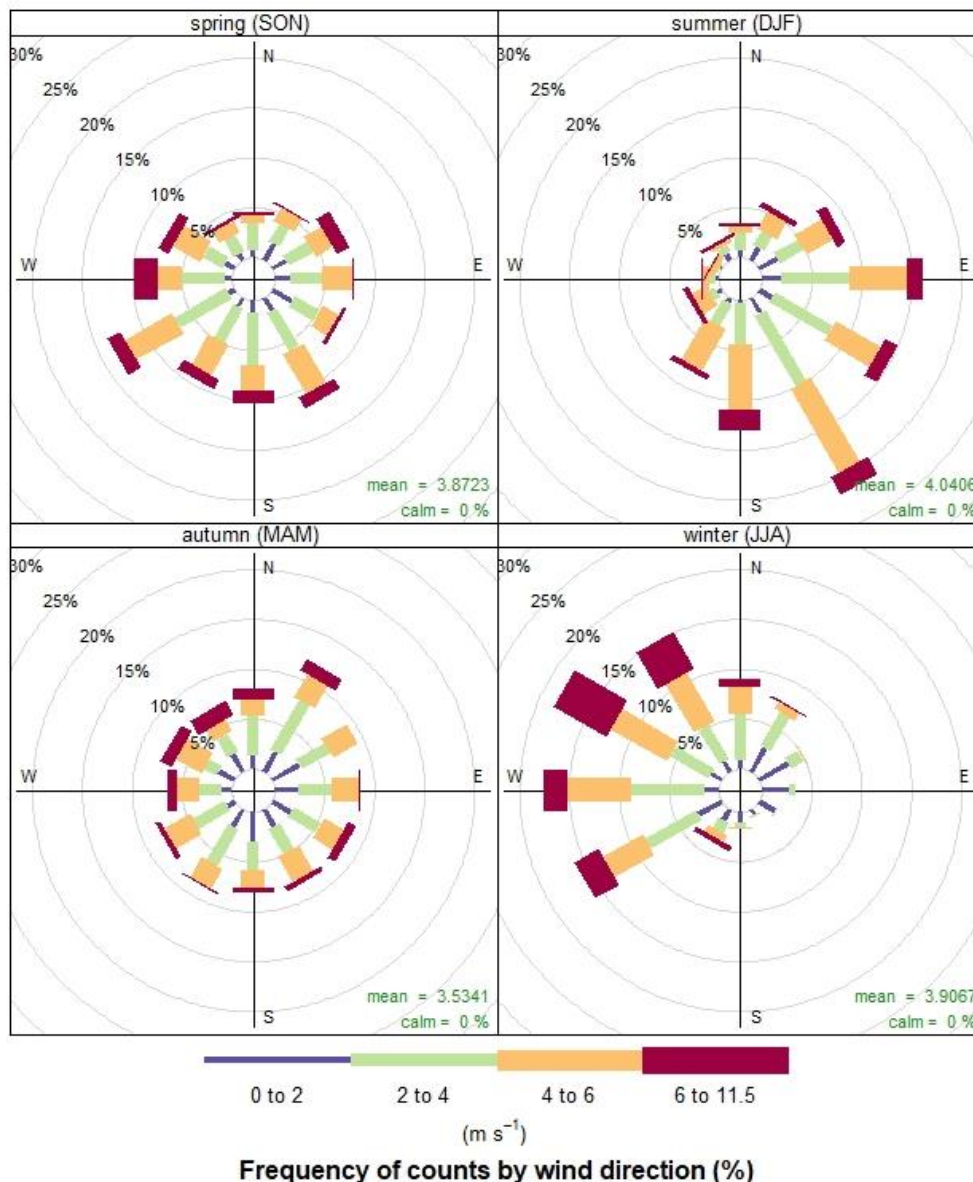


Figure 13: TAPM Predicted Seasonal Wind Rose (2018)

4.3 Model Parameterisation

4.3.1 AERMET

AERMET is the meteorological pre-processor for AERMOD. AERMET (Version 18081) was used to process the TAPM predicted surface parameters and upper air data for the Project site. The options selected for processing the hourly surface data within AERMET are described below:

- Adjust surface friction velocity (ADJ_U*): The ADJ_U* is a regulatory default option within AERMET designed to counteract AERMOD's tendency to overpredict concentrations under low wind speed, stable atmosphere conditions (typical night-time environment);
- Temperature difference measurements: Temperature difference near the surface is used to infer sensible heat flux;

- Process stable boundary layer (SBL) using a Bulk Richardson Number: Processes the SBL using a Bulk Richardson Number provides a robust method for estimating boundary layer parameters under stable conditions when representative cloud cover data are not available (USEPA, 2004).

The albedo and Bowen ratio values were based on AERMET guidance for the land-use type corresponding to the surrounds of the meteorological monitoring station.

The AERMET inputs files are included as Appendix 1.

4.3.2 AERMOD

AERMOD was set up with two nested receptor grids centred on the Project site in order to provide coverage at greater distances from the site without sacrificing resolution close to the sources. A summary of the receptor grids is presented in Table 3.

Table 3: AERMOD Grid Receptor Parameters

| Parameter | Grid 1 | Grid 2 |
|-------------------------------|-------------|-------------|
| Dimensions | 8 km x 8 km | 3 km x 3 km |
| Spacing | 250 m | 100 m |
| SW Easting ¹ (mE) | 288,741 | 291,241 |
| SW Northing ¹ (mN) | 6,394,305 | 6,396,805 |

Notes

1. MGA94

Terrain elevation data for the model domain were obtained from the US National Aeronautics and Space Administration's (NASA) Shuttle Radar Topography Mission (SRTM3/SRTM1) and incorporated into AERMOD using the AERMAP terrain processor.

The adjusted friction velocity and low wind (adjust horizontal meander) options were selected, in-line with the treatment of meteorological data within AERMET.

Each emission source was individually modelled in AERMOD using a fixed emission rate and the particle size distribution data detailed in Table 6 (refer to Section 4.4.3). The resultant outputs for each source were scaled against the corresponding hourly variable emissions for total suspended particulate (TSP) to generate predicted dust deposition rates for each hour of the year, at each model grid point and sensitive receptor. The predicted deposition rates for each source were then combined to produce the monthly deposition rates predicted for the modelled scenario.

Samples of the AERMOD input files are included as Appendix 2.

4.4 Emission Estimates

4.4.1 Factors Influencing Dust Emissions

To predict particulate deposition rates in a realistic manner, hourly estimates of particulate emissions are required from all major sources in the area. Factors which are important for particulate generation include:

- Ore type being handled. This is related to the size distribution of the material, shape and composition of the fines fraction;
- Moisture content. Increasing the moisture content decreases the dustiness of the ores with there normally being a moisture threshold above which particulate generation by material

handling is negligible, known as practical extinction. This occurs as moisture acts to apply adhesive forces between particles;

- The operation occurring. Factors which are important are the drop height, the degree to which the falling ore is exposed to the wind such that winnowing can occur, and the particulate control mechanism used. Control mechanisms may include enclosing the operation, the use of water sprays and particulate extraction to a bag filter or to a wet scrubber;
- Quantity of ore/overburden being moved and the number of movements;
- Size of stockpiles and level of activity;
- Level of vehicle traffic; and
- Ambient wind speed. For material handling operations exposed to the air, particulate emissions increase with increasing wind speed. For wind erosion, particulate emissions are negligible below a wind speed threshold, but increase rapidly above the threshold. Dust emissions from wind erosion are also dependent on the erodibility of the material which is dependent on the size distribution of the material and whether a crust has been developed.

4.4.2 Emission Estimation

Emission factors and control efficiencies were based on the National Pollutant Inventory (NPI) Emission Estimation Technique (EET) Manual for Mining 2012 Version 3.1 (NPI, 2012). The emission factors are considered conservative in that they allow for variation in the moisture content of the ores and some failure in control equipment to occur. Some of the emissions factors rely on moisture content in determining an emission rate. Information provided by Audalia indicates the moisture content of the ore and overburden is likely to be low and the default NPI values for 'low' moisture ores (i.e. those with a moisture content less than 4%) were subsequently adopted. A default silt content of 10% as outlined in the NPI emissions manual was also utilised.

The calculation of emission estimates associated with 'worst-case' mining activities has been based on the anticipated mining rate for Year 1. As outlined in Section 2.1, Year 1 is considered the 'worst-case' scenario for potential dust deposition impacts, as it represents the highest mining production rate, within closest proximity to the *M.aquilonaris* sub-populations. The calculation of emission estimates associated with 'mid-schedule' mining activities is conservatively based on the mining schedule for Year 11, as this represents the highest production rate for below ground level activity within the Vesuvius pit. The emission estimates for excavating, truck loading, stockpiling, reclaiming, processing and waste rock dumping were subsequently based on the annual throughputs for the respective periods.

A summary of the TSP emission estimates associated with operational activities is presented in Table 4. The emission estimates have been calculated assuming operations occur during the day shift only (nominally between 06:00 and 18:00 hrs), as advised by Audalia. The effects of wind and rainfall on emission estimates were also taken into consideration, as per the methodologies described Section 0 and Section 4.4.2.3. The calculation of wind erosion from exposed surface areas is outline in Section 4.4.2.2. It is noted that dust emission estimates for fugitive dust sources contain a degree of uncertainty due to the complexity of characterising emission rates and control efficiencies.

Table 4: Summary of Fugitive Particulate Emission Estimates – Year 01

| Activity | Emission Factor | | Emission Factor Variable | | Dust Control | | TSP Emission Rate | Comments |
|---------------------------------------|-----------------|---------|--------------------------|-----------|--|------------|-------------------|---|
| | TSP | Unit | Rate | Unit | Measure | Efficiency | g/s | |
| Dozing | | | | | | | | |
| Vesuvius | 17 | kg/hour | 12 | hours/day | Operational controls based on wind direction | 100% | 4.7 ¹ | Assumes default NPI parameters for silt content (10%) and moisture content (2%). |
| Fuji | | | | | NA | Na | 4.7 | |
| Mine Closure Materials Stockpile | | | | | NA | Na | 4.7 | |
| Excavation | | | | | | | | |
| Vesuvius | 0.025 | kg/t | 1,240,275 | tpa | NA | NA | 2.0 | Based on Year 1 waste and ore throughput. |
| Fuji | | | 456,650 | | | | 0.7 | |
| TSF Materials Pit | | | 669,349 | | | | 1.1 | |
| Truck Loading | | | | | | | | |
| Vesuvius | 0.025 | kg/t | 1,240,275 | tpa | NA | NA | 2.0 | Based on Year 1 waste and ore throughput. |
| Fuji | | | 456,650 | | | | 0.7 | |
| TSF Materials Pit | | | 669,349 | | | | 1.1 | |
| Truck Unloading | | | | | | | | |
| ROM Pad | 0.012 | kg/t | 1,407,625 | tpa | NA | NA | 1.1 | |
| Mine Closure Materials Stockpile | | | 289,300 | | | | 0.2 | |
| Topsoil Stockpile | | | 320,556 | | | | 0.2 | |
| Ore Reclaim (FEL) | | | | | | | | |
| ROM Pad | 0.025 | kg/t | 1,407,625 | tpa | NA | NA | 2.2 | |
| Ore Processing | | | | | | | | |
| Primary Crusher | 0.2 | kg/t | 1,500,000 | tpa | Water sprays | 50% | 9.5 | Assumes maximum plant throughput rate of 1.5 Mtpa and low moisture content. |
| Secondary Crusher | 0.6 | | 1,500,000 | | | | 29 | |
| Screening | 0.08 | | 1,500,000 | | | | 3.8 | |
| Wheel Generated Dust Emissions | | | | | | | | |
| Vesuvius to ROM | 5.4 | kg/km | 20,995 | km/yr | Water sprays | 50% | 3.6 | Assumes default NPI parameters for silt content (10%) and moisture content (2%). Assumes approximate off-road haul truck weight loaded 84 t and unloaded 38 t. Assumes approximate outbound haulage weight 296 t and inbound haulage weight 76 t. |
| ROM to Vesuvius | 3.8 | | 20,995 | | | | 2.5 | |
| Vesuvius to Mine Closure | 5.4 | | 2,089 | | | | 0.4 | |
| Mine Closure to Vesuvius | 3.8 | | 2,089 | | | | 0.3 | |
| Vesuvius to Topsoil | 5.4 | | 1,536 | | | | 0.3 | |
| Topsoil to Vesuvius | 3.8 | | 1,536 | | | | 0.2 | |
| Fuji to ROM | 5.4 | | 3,062 | | | | 0.5 | |
| ROM to Fuji | 3.8 | | 3,062 | | | | 0.4 | |
| Fuji to Mine Closure | 5.4 | | 6,706 | | | | 1.2 | |
| Mine Closure to Fuji | 3.8 | | 6,706 | | | | 0.8 | |
| Fuji to Topsoil | 5.4 | | 4,762 | | | | 0.8 | |
| Topsoil to Fuji | 3.8 | | 4,762 | | | | 0.6 | |
| TSF Materials Pit to TSF | 5.4 | | 12,949 | | | | 2.2 | |
| TSF to TSF Materials Pit | 3.8 | | 12,949 | | | | 1.6 | |
| Haulage Outbound | 7.5 | | 24,287 | | | | 7.4 | |
| Haulage Inbound | 5.0 | | 24,287 | | | | 4.0 | |

| Activity | Emission Factor | | Emission Factor Variable | | Dust Control | | TSP Emission Rate | Comments |
|----------------------------------|--------------------------|------|--------------------------|------|--------------|------------|--------------------------|----------|
| | TSP | Unit | Rate | Unit | Measure | Efficiency | g/s | |
| Windblown Dust Emissions | | | | | | | | |
| Vesuvius | Refer to Section 4.4.2.2 | | | | Water sprays | 50% | Refer to Section 4.4.2.2 | |
| Fuji | | | | | | | | |
| Mine Closure Materials Stockpile | | | | | | | | |
| TSF Construction Materials Pit | | | | | | | | |
| ROM Pad | | | | | | | | |
| Topsoil Stockpile | | | | | | | | |

Notes

1. Emission rate for dozing activities when operational controls not applied (i.e. when winds are outside of the 'arc of influence').

Table 5: Summary of Fugitive Particulate Emission Estimates – Year 11

| Activity | Emission Factor | | Emission Factor Variable | | Dust Control | | TSP Emission Rate | Comments |
|---------------------------------------|-----------------|---------|--------------------------|-----------|---------------|------------|-------------------|---|
| | TSP | Unit | Rate | Unit | Measure | Efficiency | g/s | |
| Dozing | | | | | | | | |
| Egmont | 17 | kg/hour | 12 | hours/day | NA | NA | 4.7 | Assumes default NPI parameters for silt content (10%) and moisture content (2%). |
| Excavation | | | | | | | | |
| Vesuvius | 0.025 | kg/t | 1,313,950 | tpa | Pit retention | 50% | 1.0 | Based on Year 11 waste and ore throughput. |
| Fuji | | | 131,950 | | | | 0.1 | |
| Egmont | | | 249,800 | | 0.4 | | | |
| TSF Materials Pit | | | 198,776 | | 0.2 | | | |
| Truck Loading | | | | | | | | |
| Vesuvius | 0.025 | kg/t | 1,313,950 | tpa | Pit retention | 50% | 1.0 | Based on Year 11 waste and ore throughput. |
| Fuji | | | 131,950 | | | | 0.2 | |
| Egmont | | | 249,800 | | 0.4 | | | |
| TSF Materials Pit | | | 198,776 | | 0.2 | | | |
| Truck Unloading | | | | | | | | |
| ROM Pad | 0.012 | kg/t | 1,325,950 | tpa | NA | NA | 1.0 | |
| Mine Closure Materials Stockpile | | | 369,750 | | | | 0.3 | |
| Topsoil Stockpile | | | 19,684 | | | | 0.01 | |
| Ore Reclaim (FEL) | | | | | | | | |
| ROM Pad | 0.025 | kg/t | 1,325,950 | tpa | NA | NA | 2.1 | |
| Ore Processing | | | | | | | | |
| Primary Crusher | 0.2 | kg/t | 1,500,000 | tpa | Water sprays | 50% | 9.5 | Assumes maximum plant throughput rate of 1.5 Mtpa and low moisture content. |
| Secondary Crusher | 0.6 | | 1,500,000 | | | | 29 | |
| Screening | 0.08 | | 1,500,000 | | | | 3.8 | |
| Wheel Generated Dust Emissions | | | | | | | | |
| Vesuvius to ROM | 5.4 | kg/km | 5.4 | km/yr | Water sprays | 50% | 3.3 | Assumes default NPI parameters for silt content (10%) and moisture content (2%). Assumes approximate off-road haul truck weight loaded 84 t and unloaded 38 t. Assumes approximate outbound haulage weight 296 t and inbound haulage weight 76 t. |
| ROM to Vesuvius | 3.8 | | 3.8 | | | | 2.3 | |
| Vesuvius to Mine Closure | 5.4 | | 5.4 | | | | 1.0 | |
| Mine Closure to Vesuvius | 3.8 | | 3.8 | | | | 0.7 | |
| Fuji to ROM | 5.4 | | 5.4 | | | | 0.3 | |
| ROM to Fuji | 3.8 | | 3.8 | | | | 0.2 | |
| Egmont to ROM | 5.4 | | 5.4 | | | | 1.0 | |
| ROM to Egmont | 3.8 | | 3.8 | | | | 0.7 | |
| Egmont to Mine Closure | 5.4 | | 5.4 | | | | 0.3 | |
| Mine Closure to Egmont | 3.8 | | 3.8 | | | | 0.2 | |
| Egmont to Topsoil | 5.4 | | 5.4 | | | | 0.1 | |
| Topsoil to Egmont | 3.8 | | 3.8 | | | | 0.1 | |
| TSF Materials Pit to TSF | 5.4 | | 5.4 | | | | 0.7 | |
| TSF to TSF Materials Pit | 3.8 | | 3.8 | | | | 0.5 | |
| Haulage Outbound | 7.5 | | 9.6 | | | | 7.4 | |
| Haulage Inbound | 5.0 | | 5.2 | | | | 4.0 | |

| Activity | Emission Factor | | Emission Factor Variable | | Dust Control | | TSP Emission Rate | Comments | |
|----------------------------------|--------------------------|------|--------------------------|--------------|--------------|------------|-------------------|--------------------------|--|
| | TSP | Unit | Rate | Unit | Measure | Efficiency | g/s | | |
| Windblown Dust Emissions | | | | | | | | | |
| Vesuvius | Refer to Section 4.4.2.2 | | | Water sprays | | 50% | | Refer to Section 4.4.2.2 | |
| Fuji | | | | | | | | | |
| Pinatubo | | | | | | | | | |
| Mine Closure Materials Stockpile | | | | | | | | | |
| TSF Construction Materials Pit | | | | | | | | | |
| ROM Pad | | | | | | | | | |
| Topsoil Stockpile | | | | | | | | | |

The determination of emissions associated with dozing operations within the Vesuvius pit assumes operational controls are implemented to restrict dozing activity when the wind direction falls within the 'arcs of influence' for sub-populations 1b and 1c. The extents of these arcs are illustrated in Figure 14 (namely between 60° and 285° for sub-population 1b and between 325° and 195° for sub-population 1c).

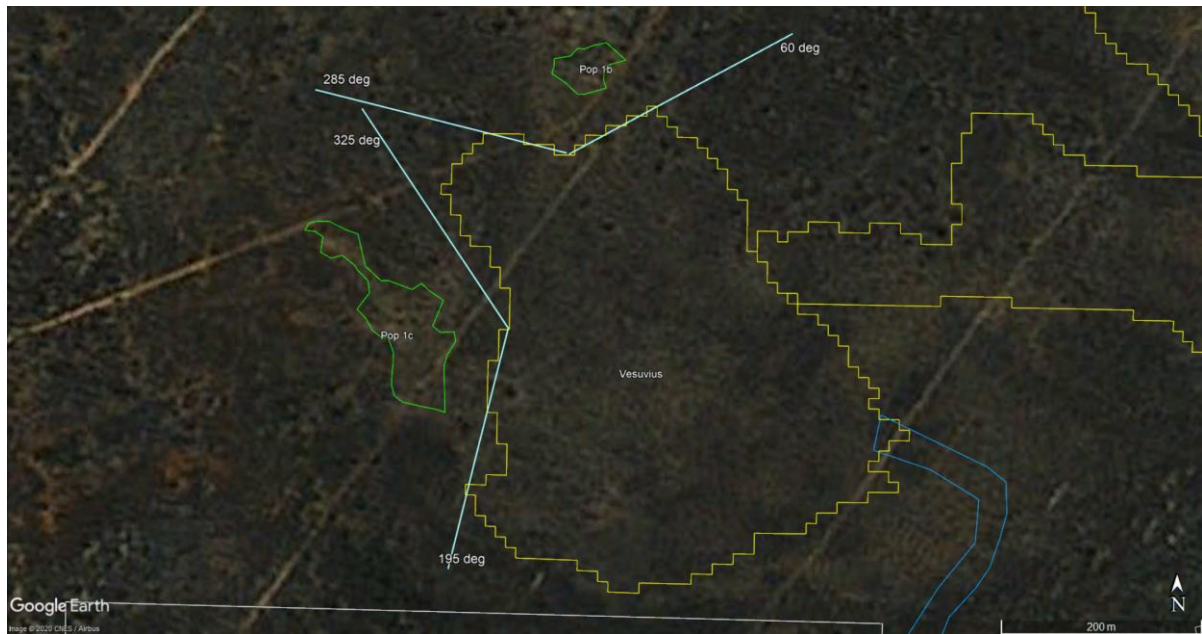


Figure 14: Arcs of influence for Pop 1b and Pop 1c

Analysis of the TAPM predicted meteorological data generated for the project site (refer to Section 4.2), indicates that during operating hours (nominally between 06:00 and 18:00 hrs), winds most frequently fall within the specified arcs of influence during the summer months, and less frequently during the winter months (Figure 15).

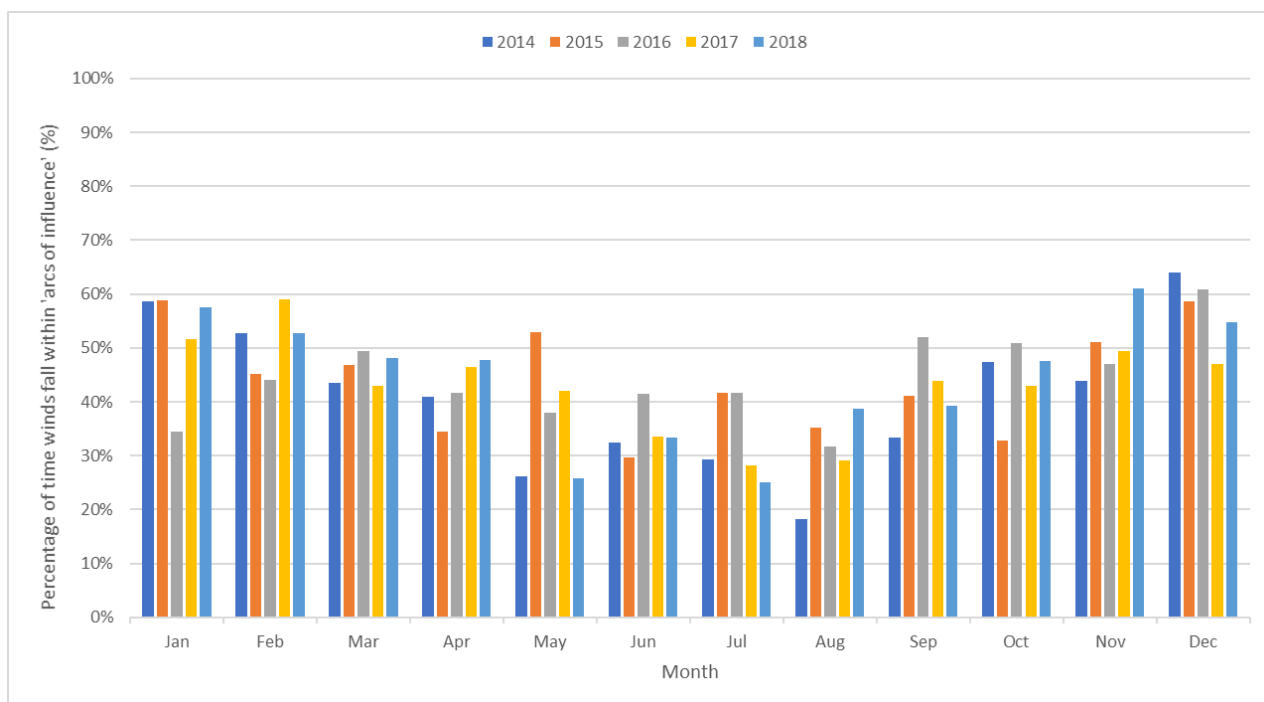


Figure 15: Percentage of time wind direction falls with arcs of influence for Pop 1b and 1c, during operating hours

4.4.2.1 Wind Speed Dependence for Material Handling

For all material handling processes exposed to the wind, increasing wind speed acts to increase dust emissions through winnowing of the particles from the falling ore. The USEPA batch drop equations (USEPA, 2004a) specify that the dust emission increases with the wind speed to the power of 1.3, as follows:

$$E_{\text{Actual}} = E_{2.2} (WS/2.2)^{1.3}$$

Where:

WS is the wind speed at the drop height;

E_{2.2} is the dust emission given for a wind speed of 2.2 m/s; and

E_{Actual} is the final emission rate.

The average source height was assumed to be 5 m above the surface, with the 10 m wind speeds used to estimate the 5 m wind speeds using the 1/7 power law given by:

$$WS_5 = WS_{10} (5/10)^{(1/7)}$$

Where:

WS₁₀ is the wind speed at 10 m.

WS₅ is the calculated wind speed at 5 m.

4.4.2.2 Wind Erosion

Dust emissions generated by wind are generally negligible below a wind speed threshold, but increase rapidly when wind speeds exceed the threshold. Dust emissions from wind erosion are also dependent on the erodibility of the material which in turn is dependent on the size distribution of the material and whether a crust has developed. In general, material with a large (>50%) fraction of non-erodible particles (generally particles greater than 1 mm to 2 mm) will

not erode as the erodible fraction is protected by these particles. Fine ores are generally much more erodible by wind erosion, particularly if they have a large fraction of particles in the range from 0.1 mm to 0.25 mm which can be dislodged by wind and then rolled and skipped along the surface (saltation). These larger particles can then dislodge the smaller (<50 µm) dust fraction which can remain suspended in the air.

The NPI Emission Estimation Technique (EET) Manual for Mining (NPI, 2011) specifies a wind erosion factor of 0.2 kg/ha/hr for all sources with the exception of coal stockpiles. However, this factor is considered approximate as it does not take into account variations in the climate of an area or the soil or ore type. Previous studies investigating the impact of dust emissions from mining facilities have used the Shao (2000) equation to parameterise particulate emissions for live stockyards and surrounding roads. The same method was also adopted to estimate the wind erosion factor for this assessment, as follows:

$$E_{wind} = 5.2E-07 * WS^3 * (1 - (WST/WS10)^2)$$

Where:

WST is the threshold for wind erosion in m/s, taken to be 7.5 m/s (SKM, 2003); and
 E_{wind} is the PM₁₀ emissions (g/m²/s).

Dust emissions generated by wind erosion were considered in this assessment for all exposed surface areas, including the mining pits, mine closure materials stockpile, TSF construction material pit, ROM pad and topsoil stockpile.

4.4.2.3 Rainfall Dependence

To account for the effects of rainfall in reducing dust emissions, a simple scheme was adopted. With regards to wind erosion, rainfall was assumed to not only suppress dust emissions at the time rain was occurring, but to also result in a suppression of the dust emissions that gradually decreases over time as the areas dry out. Without stockpile activity, material can form a strong crust and be resistant to wind erosion for extended periods.

Dust emissions were taken to linearly return to a rainfall unaffected state within 400 hours of the rainfall evaporating if the rainfall event was greater than 25 mm. During the period when it was raining or if the rainfall had not evaporated, emissions were set to zero. The evaporation rate at the surface was assumed to be 1.25 times the amount from a Class A pan with a limit to the amount of water on/near the surface of 75 mm. Daily average evaporation rates for each month were obtained from the BoM for the Salmon Gums monitoring station.

These time scales have been adopted from previous dust assessments (ENVIRON, 2004) and were originally based on observations of the time taken for high dust levels to return following a large rainfall event in the Pilbara region. It is noted that the return to dusty conditions is not just a function of the evaporation of the water, but is determined more importantly from the activity level within the stockpile area, as surfaces are disturbed and fresh surfaces are created as a result of reclaiming, stacking and vehicle movement.

4.4.3 Particle Size Distribution

Particle size distribution data used in the model for particles in the sub-fraction of the waste rock and ROM representing potential TSP emissions were based on the USEPA distributions for batch drop, wind erosion and vehicle emissions (USEPA, 2004a, b and c) as listed in Table 6. A

distribution composite to all three USEPA distributions was adopted and applied for this study in the absence of actual data.

Table 6: Source Particle Size Distributions

| Particle Size Range | Representative Particle Size | Percentage of Particulate (%) in Various Size Ranges | | | |
|---------------------|------------------------------|--|--------------------|--------------------|------------|
| | | USEPA Batch Drop | USEPA Wind Erosion | USEPA Unpaved Road | This Study |
| <2.5 | 1.0 | 11 | 14.8 | 3.3 | 9 |
| 2.5 - 5.0 | 3.8 | 9 | 22.2 | 18.7 | 8 |
| 5.0 - 7.5 | 6.3 | 15 | | | 7 |
| 7.5 - 10 | 8.3 | | | | 6 |
| 10 - 15 | 12.5 | 13 | 7 | 52 | 14 |
| 15 - 23 | 19 | 26 | 30 | | 15 |
| 23 - 30 | 26 | | | | 15 |
| 30 - 40 | 35 | 26 | 26 | 26 | 15 |
| 40 - 50 | 45 | | | | 11 |

Notes

1. Particle sizes are equivalent aerodynamic size and not the physical size. The equivalent aerodynamic size relates to the aerodynamic properties of the particle as is used in dust sampling. For example PM₁₀ samplers measure the dust below 10 µm equivalent aerodynamic size and not the physical size.
2. Wind erosion and vehicle emission size distributions are given for below 30 µm only, but have been adjusted here to less than 50 µm based on assuming 74% of the particulate is less than 30 µm as per the batch drop distribution.

The particle sizes specified in Table 6 are based on the equivalent aerodynamic diameter and not the physical size. The equivalent aerodynamic diameter relates to the aerodynamic properties of the particle with a density of 1 g/cm³ as is used in particulate matter sampling.

5. MODELLING RESULTS

5.1 Predicted Particulate Deposition Rates

A summary of the maximum daily and monthly average deposition rates predicted at the *M.aquilonaris* sub-populations (1a, 1b, 1c and 1d) is presented in Table 7. The range of monthly deposition rates measured at the *M.aquilonaris* sub-populations are also presented for comparison. Contours of the predicted daily and monthly average deposition rates for the Year 1 and Year 11 operating scenarios are presented in Figure 16 to Figure 19.

Table 7: Summary of Maximum Predicted Dust Deposition Rates

| Receptor | Maximum Predicted Dust Deposition Rate | | | | Range of Measured Dust Deposition Rates (g/m ² .month) ¹ |
|----------|--|-------------------------|-----------------------|-------------------------|--|
| | Year 1 | | Year 11 | | |
| | g/m ² .day | g/m ² .month | g/m ² .day | g/m ² .month | |
| Pop 1a | 0.3 | 1.8 | 0.2 | 1.3 | 0.2 – 2.7 |
| Pop 1b | 0.8 | 10.1 | 0.5 | 5.8 | 0.3 – 2.2 |
| Pop 1c | 0.7 | 7.7 | 0.6 | 4.7 | 0.2 – 1.9 |
| Pop 1d | 0.2 | 1.2 | 0.2 | 1.1 | 0.2 – 3.1 |

Notes

1. As measured at the Project site between October 2018 and August 2019.

The greatest impacts associated with the modelled operating scenarios are predicted to occur at sub-population 1b. The maximum 24-hour and monthly average deposition rates predicted at this location for Year 1 are 0.8 g/m².month and 10.1 g/m².month respectively (Table 7). The maximum 24-hour and monthly average deposition rates predicted at this location for Year 11 are 0.5 g/m².month and 5.8 g/m².month respectively (Table 7). This scenario assumes dozing is no longer required within the Vesuvius pit, and that in-pit activities (i.e. excavation and truck loading) are occurring at depth and associated emissions are reduced as a result of pit retention.

At sub-population 1c, the maximum predicted 24-hour and monthly average deposition rates for Year 1 operations are 0.7 g/m².month and 7.7 g/m².month respectively (Table 7). For Year 11 operations, the maximum predicted 24-hour and monthly average deposition rates are 0.6 g/m².month and 4.7 g/m².month respectively (Table 7). At sub-populations 1a and 1d, the maximum predicted deposition rates for Year 1 operations are no more than 0.3 g/m².day and 1.8 g/m².month. For Year 11, the maximum predicted 24-hour and monthly average deposition rates are 0.2 g/m².month and 1.3 g/m².month respectively (Table 7).

Comparison of the predicted monthly dust deposition rates to the monthly deposition rates measured at the Project site between October 2018 and August 2019, indicates the maximum predicted impacts are within the range of measured dust deposition at sub-populations 1a and 1d but remain higher than the measured deposition rate at sub-populations 1b and 1c. Review of the contour plots however, indicates that the predicted deposition rates fall rapidly with increasing distance from the modelled emission sources. For example, the maximum predicted monthly deposition rate for the Year 1 scenario at sub-population 1b falls from 10.1 g/m².month to less than 5 g/m².month within 65 m of the Vesuvius pit boundary (Figure 17); while at sub-population 1c, the maximum predicted monthly deposition falls from 7.7 g/m² to less than 5 g/m² within 100 m of the Vesuvius pit boundary (Figure 17).

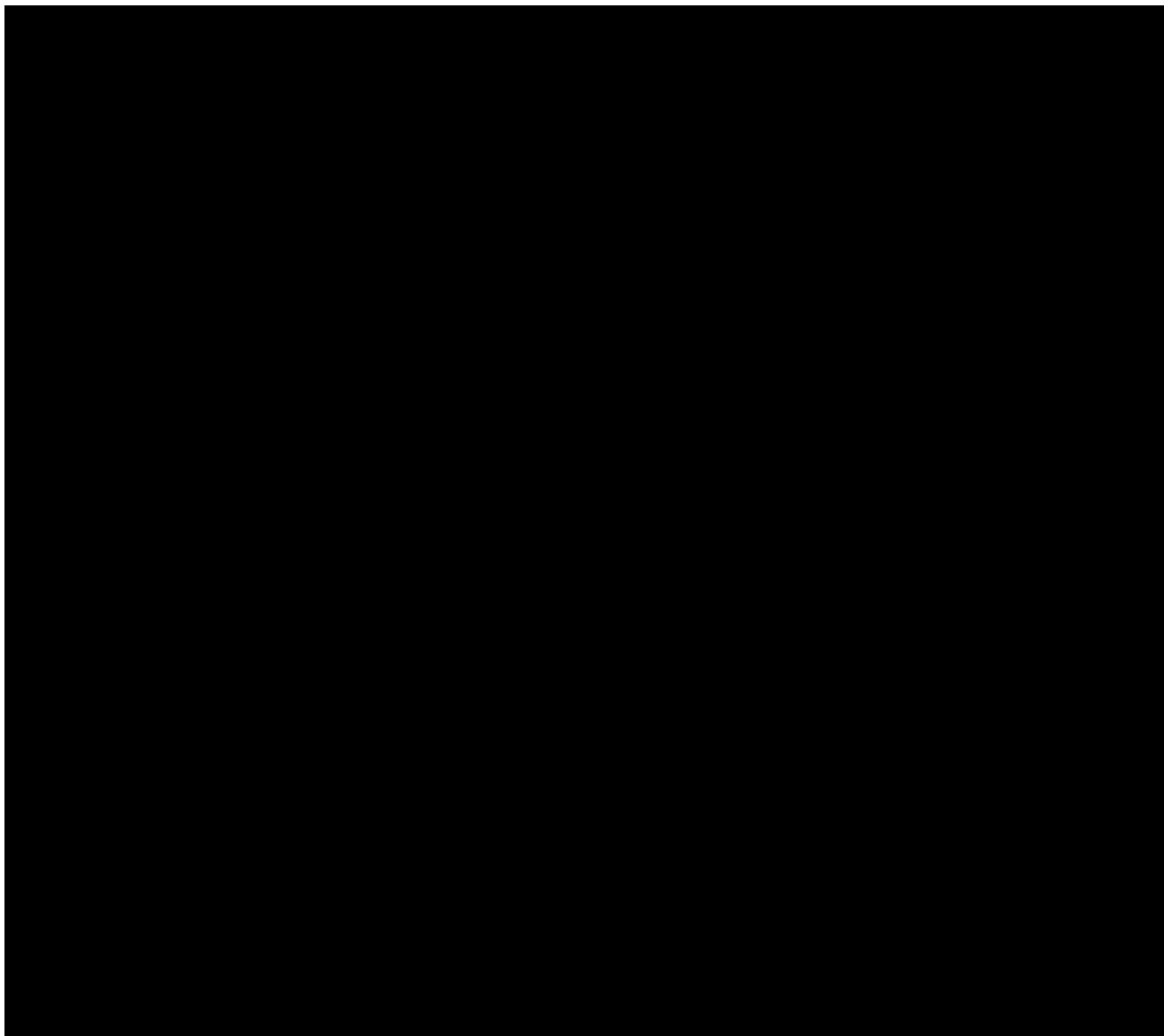


Figure 16: Maximum Predicted 24-Hour Average Deposition Rates – Year 1 (g/m².day)

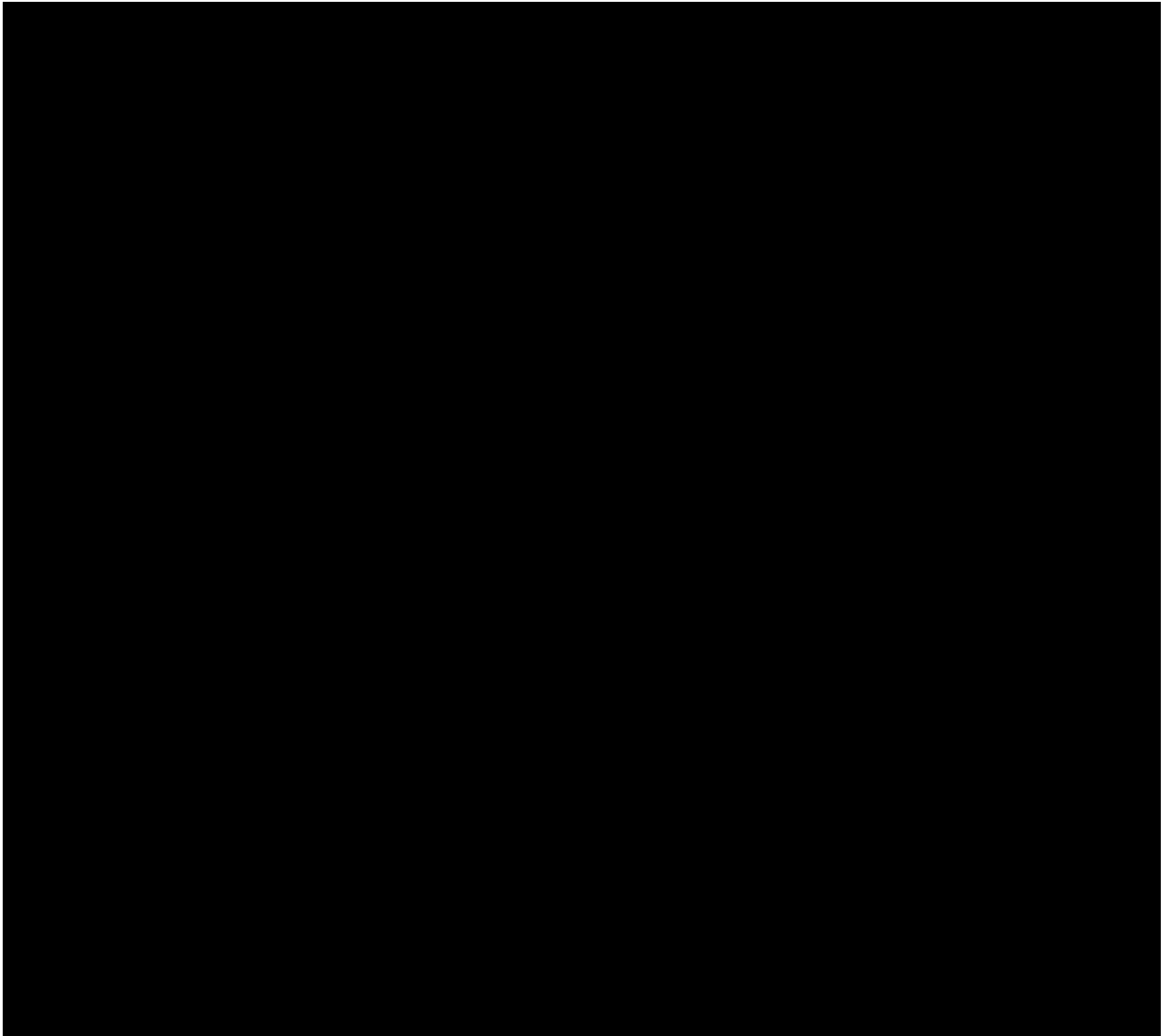


Figure 17: Maximum Predicted Monthly Average Deposition Rates – Year 1 (g/m².month)

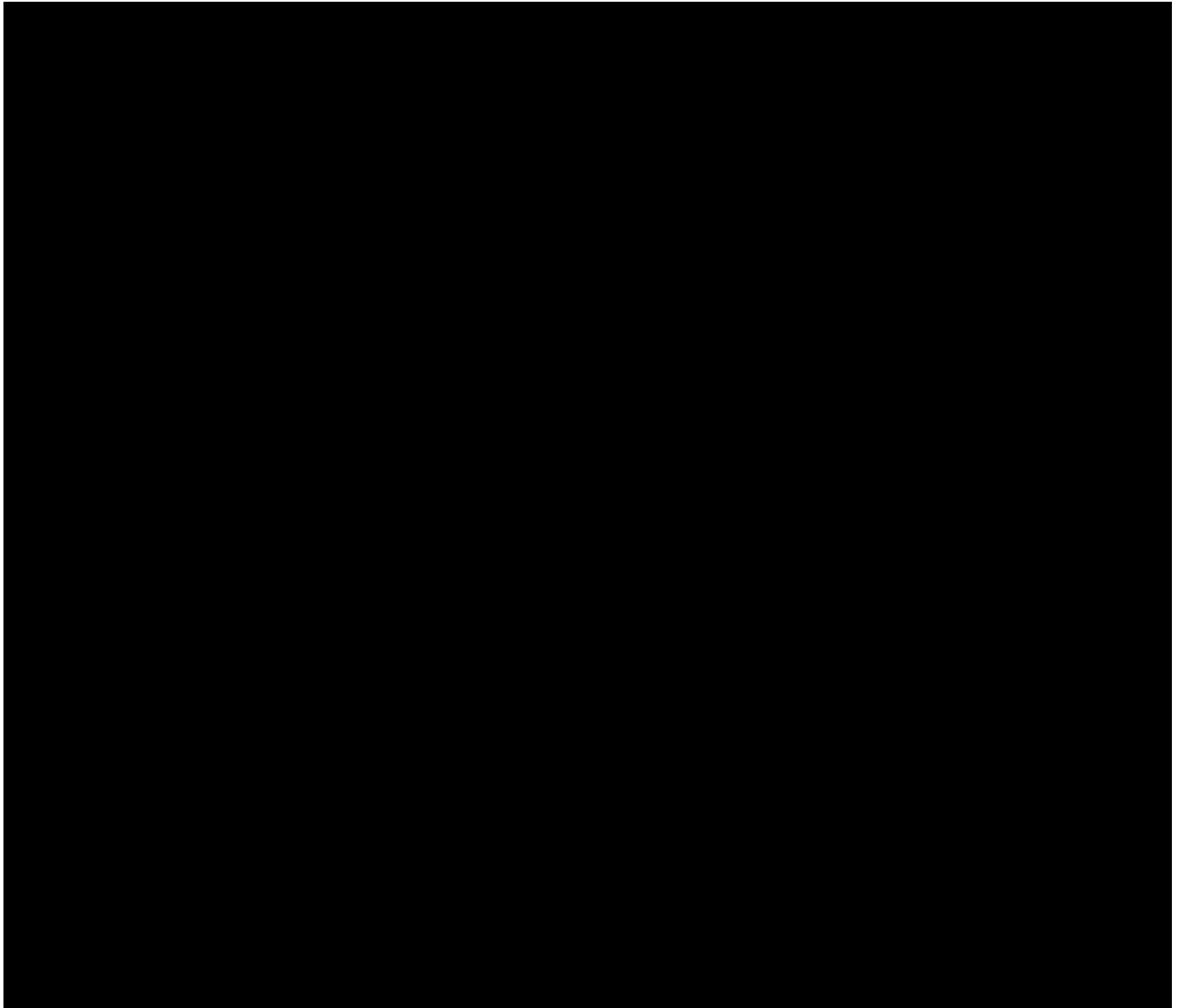


Figure 18: Maximum Predicted 24-Hour Average Deposition Rates – Year 11 (g/m².day)

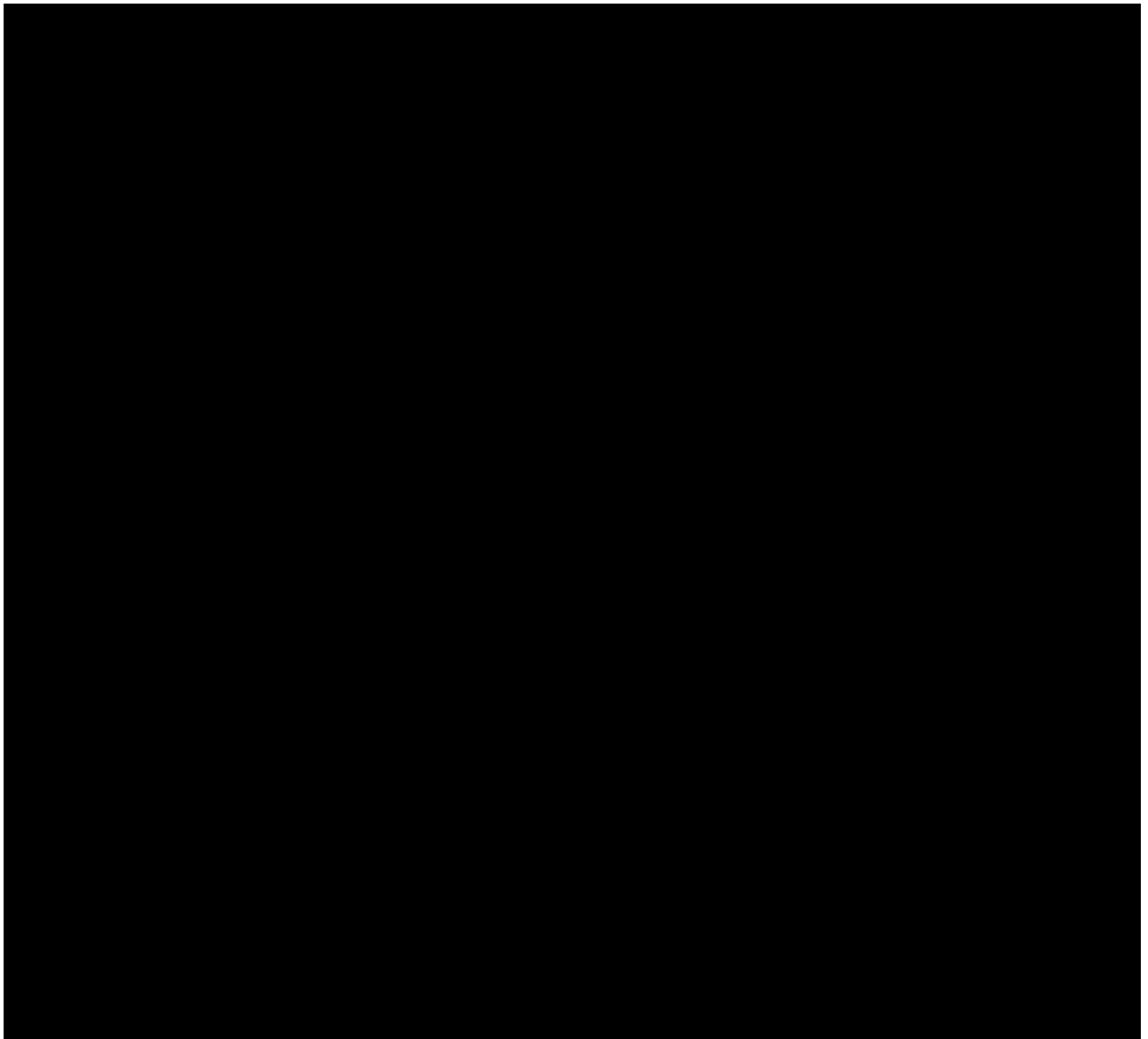


Figure 19: Maximum Predicted Monthly Average Deposition Rates – Year 11 (g/m².month)

A summary of the monthly deposition rates predicted at each of *M.aquilonaris* sub-populations is presented in Table 8, indicating the greatest impacts are expected to occur between October and March, with the highest deposition rates predicted to occur in January.

Table 8: Summary of Monthly Predicted Dust Deposition Rates

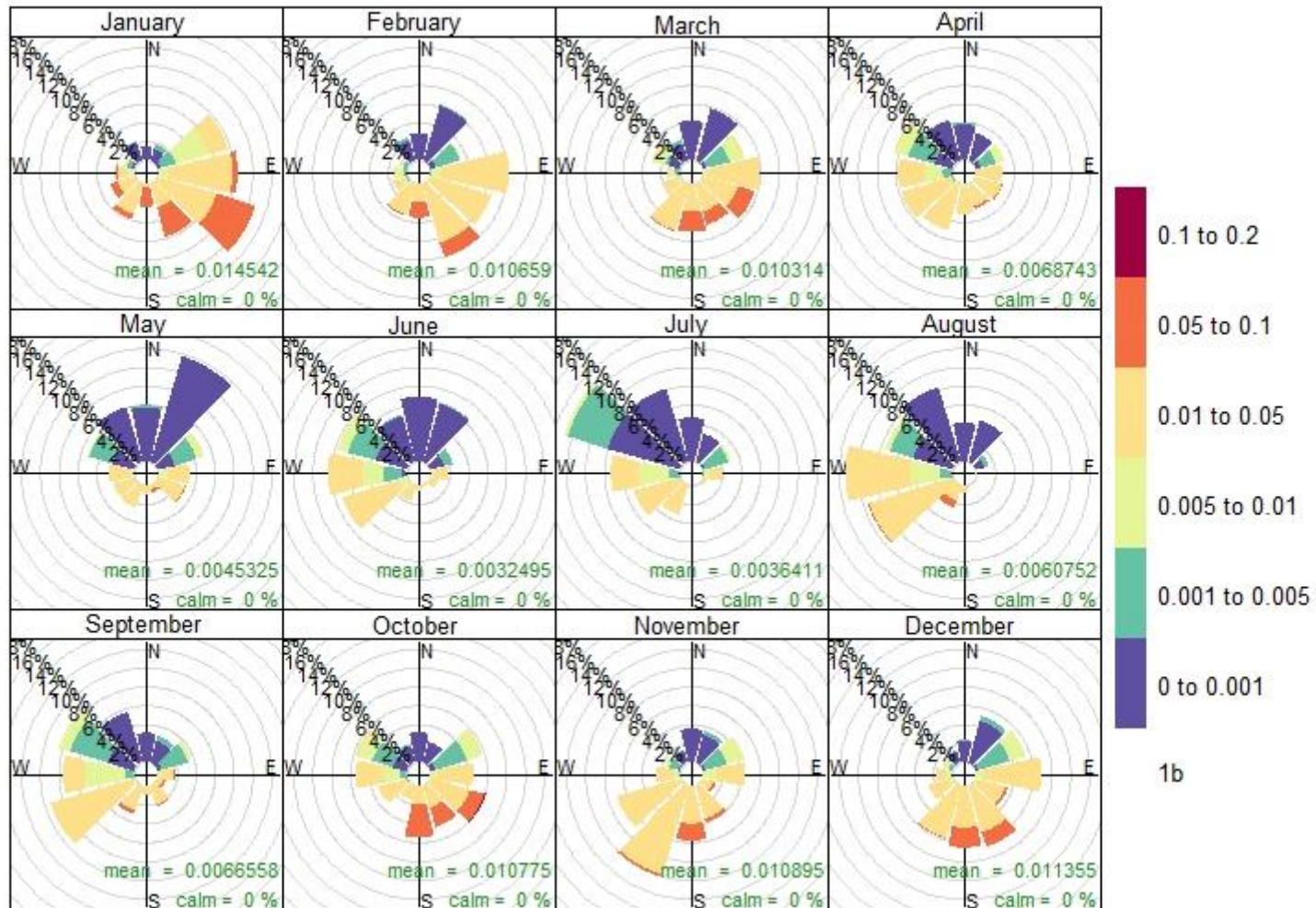
| Month | Maximum Predicted Monthly Dust Deposition Rate (g/m ²) | | | | | | | |
|-----------|--|--------|--------|--------|---------|--------|--------|--------|
| | Year 01 | | | | Year 11 | | | |
| | Pop 1a | Pop 1b | Pop 1c | Pop 1d | Pop 1a | Pop 1b | Pop 1c | Pop 1d |
| January | 1.8 | 10.1 | 7.7 | 1.2 | 1.3 | 5.8 | 4.7 | 1.1 |
| February | 1.4 | 7.2 | 3.7 | 0.8 | 0.9 | 4.0 | 2.3 | 0.7 |
| March | 1.6 | 7.7 | 4.2 | 0.7 | 1.1 | 4.3 | 2.6 | 0.7 |
| April | 0.9 | 4.9 | 2.0 | 0.4 | 0.6 | 2.8 | 1.4 | 0.5 |
| May | 0.7 | 3.4 | 2.6 | 0.3 | 0.6 | 1.9 | 1.5 | 0.3 |
| June | 0.3 | 2.3 | 1.1 | 0.2 | 0.2 | 1.3 | 0.7 | 0.2 |
| July | 0.3 | 2.7 | 0.9 | 0.2 | 0.2 | 1.5 | 0.6 | 0.2 |
| August | 0.3 | 4.5 | 0.6 | 0.0 | 0.3 | 2.5 | 0.5 | 0.1 |
| September | 0.6 | 4.8 | 1.6 | 0.3 | 0.4 | 2.7 | 1.2 | 0.3 |
| October | 1.5 | 8.0 | 3.6 | 0.7 | 0.9 | 4.5 | 2.2 | 0.6 |
| November | 1.2 | 7.8 | 2.3 | 0.4 | 0.7 | 4.4 | 1.5 | 0.5 |
| December | 1.5 | 8.4 | 3.8 | 0.6 | 0.9 | 4.7 | 2.4 | 0.7 |

Comparison of the predicted monthly dust deposition rates to the deposition rates measured at the Project site between October 2018 and August 2019 (as presented in Section 2.3) shows the range of predicted impacts for both Year 1 and Year 11 is within the order of the measured deposition at sub-populations 1a and 1d (i.e. up to 3.1 g/m².month). However, the monthly deposition rates predicted at sub-populations 1b and 1c are up to five times higher than the measured deposition rates at these sites for the Year 1 scenario, and up to three times higher than the measured deposition rates at these sites for the Year 11 scenario.

The predicted deposition rates presented for sub-populations 1b and 1c are considered to be conservative, as Ramboll understands the footprint of the Vesuvius pit has subsequently been revised and the distance between the proposed pit crest and sub-populations 1b and 1c has increased. The implications of the revised footprint in relation to the results of the air dispersion modelling assessment are discussed further in Section 9.

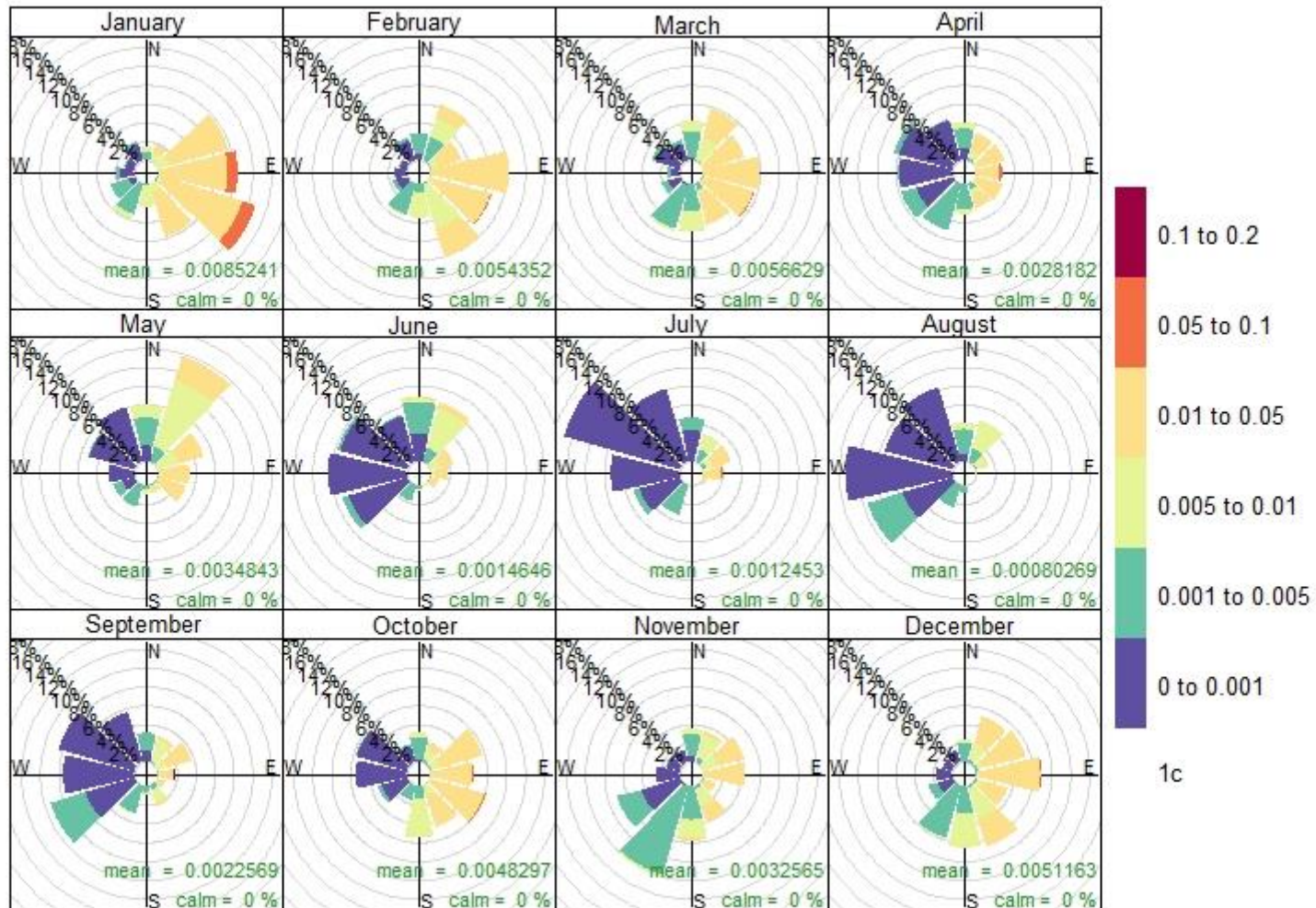
Monthly pollution roses of the 1-hour average dust deposition rates predicted at sub-populations 1b and 1c are presented in Figure 20 and Figure 21 respectively, illustrating the percentage frequency of predicted deposition rates associated with different wind directions. The highest 1-hour average dust deposition rates predicted at sub-population 1b for the month of January are associated with winds from a south-easterly direction (Figure 20). A similar pattern is evident for February, while the influence of southerly winds becomes more apparent in March. Elevated deposition rates are again predicted in October through December, associated with winds from a southerly arc.

Figure 21 illustrates the dominance of easterly to south-easterly winds on predicted deposition rates at sub-population 1c, between the months of January to March. Similar patterns are again evident in October to December, associated with winds from north-easterly through south-easterly directions (Figure 21).



Frequency of counts by wind direction (%)

Figure 20: Pollution Rose for Predicted Monthly Deposition (g/m²) at Population 1b



Frequency of counts by wind direction (%)

Figure 21: Pollution Rose for Predicted Monthly Deposition (g/m²) at Population 1c

Percentage source contributions to the maximum 24-hour average dust deposition rates predicted at sub-populations 1a to 1d for the 'worst-case' Year 1 operating scenario are presented in Figure 22. These data indicate that fugitive emissions from mining operations within the Vesuvius pit contribute the greatest proportion (51%) to the maximum predicted 24-hour average dust deposition rate at sub-population 1c, followed by fugitive emissions from the processing plant (40%). At sub-population 1b, fugitive emissions associated with mining operations within the Vesuvius pit also dominate the maximum predicted 24-hour average dust deposition rate (94%). Fugitive emissions from the processing plant contribute the highest proportion (64%) to the maximum predicted 24-hour average dust deposition rate at sub-population 1a, followed by emissions from mining activity within the Fuji pit (26%). Emissions from the processing plant also contribute the greatest proportion (63%) to the maximum predicted 24-hour average dust deposition rate at sub-population 1d, second to mining activity within the Vesuvius pit (23%).

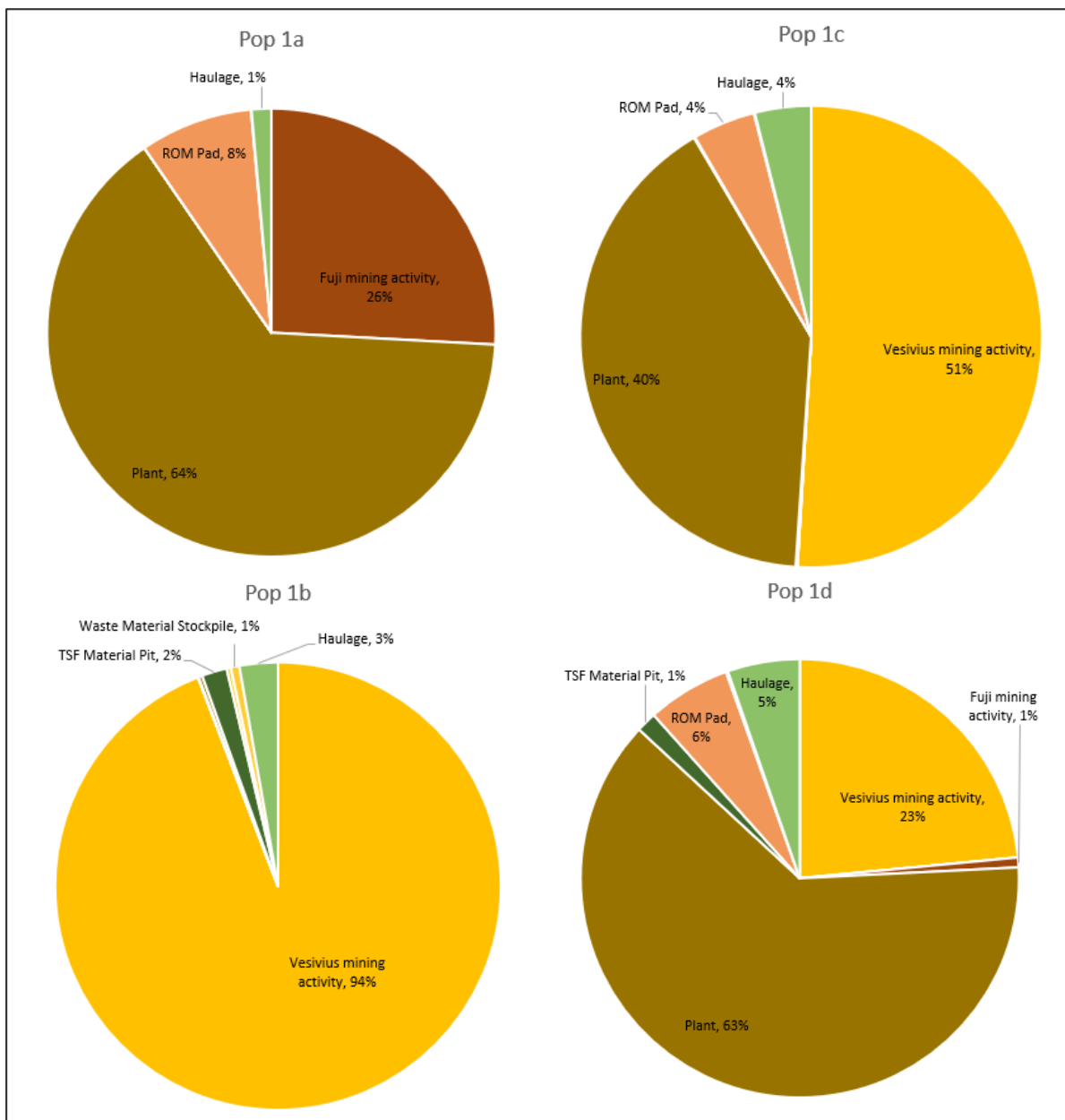


Figure 22: Source Contribution to Maximum Predicted 24-hour Average Dust Deposition Rates (Year 01)

In the absence of specific assessment guidelines for impacts on vegetation from dust deposition, it is difficult to definitively assess the potential impact of the predicted dust deposition rates on the *M.aquilonaris* sub-populations. The highest daily dust deposition rates predicted at sub-populations 1b and 1c are greater than the deposition levels at which reductions in canopy photosynthesis of cotton plants are reported by Doley and Rosato (2010) (i.e. 0.3 g/m².day). However, the monthly dust deposition rates predicted at these locations are within the range of measured deposition rates reported by Matsuki et al. (2016) (i.e. up to 20 g/m².month at the Windarling Range study site), for which no significant association between plant health and dust deposition was reported.

Following confirmation with Audalia, this assessment assumes implementation of the following dust control measures:

- Implementation of an operational control strategy to restrict dozing operations within Vesuvius pit when winds fall within the 'arcs of influence' for sub-populations 1b and 1c;
- Regular watering of unpaved haul roads within the Project site, applied at a rate of no less than 2 litres/m²/hour;
- Utilisation of water sprays on the crushing and screening units; and
- Application of dust suppression to exposed surface areas (inclusive of the mining pits, mine closure materials stockpile, TSF construction material pit, ROM pad and topsoil stockpile) using water trucks and/or cannons.

In addition to the measures listed above it is recommended housekeeping measures be undertaken around the processing plant to remove spillages and minimise the potential for subsequent re-entrainment of particulates via wind or vehicle movement.

6. CONCLUSION

Audalia is proposing to develop the Medcalf Project, a vanadium, titanium and iron project located approximately 470 km south east of Perth near Lake Johnston, Western Australia. The proposal includes the development of four open mine pits, beneficiation plant, tailings storage facility, evaporations ponds, process water facility, waste rock landform, private haul road, road train transfer area and associated infrastructure such as laydown areas, borrow and gravel pits, borefield, workshops, administration building and accommodation camp.

Baseline environmental surveys have identified one flora species listed as Threatened under the BC Act within the Project site; *M. aquilonaris*. In order to mitigate the potential impacts of mining operations on this species, Audalia propose to exclude all sub-populations of *M. aquilonaris* from the mine development envelope; and to implement a buffer zone (nominally 30 m) around all sub-populations.

Review of the proposed minesite layout indicates the western and northern boundaries of the Vesuvius pit are within closest proximity to any of the identified *M. aquilonaris* sub-populations. The proposed mining schedule indicates peak near-surface activity within the Vesuvius pit is scheduled to occur in Year 1. This year has therefore been selected as the 'worst-case' scenario for consideration in the dust deposition study, as it represents the highest mining production rate, within closest proximity to the *M. aquilonaris* sub-populations. The Year 11 mining schedule has been selected for the purpose of assessing the mid-schedule mining scenario as this represents the highest production rate for below ground level activity within the Vesuvius pit. Information provided by Audalia indicates mining activity within the Vesuvius pit during this year will be at 25 m or more below ground level.

Air dispersion modelling of fugitive dust emissions from the proposed Project has been undertaken for the nominated scenarios, to determine the potential dust deposition rates within and around the proposed buffer zones for the *M. aquilonaris* sub-populations. Fugitive TSP emissions associated with mining operations, stockpiling, crushing and screening and vehicle movements on unpaved roads have been considered in the assessment, as well as wind erosion of exposed surfaces including the mining pits, ROM pad and WRD.

The greatest impacts associated with the modelled operating scenarios are predicted to occur at sub-population 1b. The maximum 24-hour and monthly average deposition rates predicted at this location for Year 1 are 0.8 g/m².month and 10.1 g/m².month respectively; and the maximum 24-hour and monthly average deposition rates predicted for Year 11 are 0.5 g/m².month and 5.8 g/m².month respectively. Review of the monthly deposition rates predicted at each of *M. aquilonaris* sub-populations indicates the greatest impacts are expected to occur between October and March, with the highest deposition rates predicted to occur in January. The predicted deposition rates presented for sub-populations 1b and 1c are considered to be conservative, as Ramboll understands the footprint of the Vesuvius pit has been revised since modelling was completed and the distance between the proposed pit crest and sub-populations 1b and 1c has increased. The implications of the revised footprint in relation to the results of the air dispersion modelling assessment are discussed further in the Addendum (Section 9).

Comparison of the predicted monthly dust deposition rates to the monthly deposition rates measured at the Project site between October 2018 and August 2019, indicates the maximum predicted impacts are within the range of measured dust deposition at sub-populations 1a and 1d, but remain higher than the measured deposition rate at sub-populations 1b and 1c. The

deposition rates are predicted to fall rapidly with increasing distance from the modelled emission sources.

Analysis of the source contributions to the maximum 24-hour average dust deposition rates predicted at the *M.aquilonaris* sub-populations indicates that fugitive emissions from mining operations within the Vesuvius pit contribute the greatest proportion to the predicted impacts at populations 1c and 1b; while fugitive emissions from the processing plant dominate the 24-hour average dust deposition rates at populations 1a and 1d.

In the absence of specific assessment guidelines for impacts on vegetation from dust deposition, it is difficult to definitely assess the potential impact of the predicted dust deposition rates on the *M.aquilonaris* sub-populations. The highest daily dust deposition rates predicted at sub-populations 1b and 1c are greater than the deposition levels at which reductions in canopy photosynthesis of cotton plants are reported in the literature; however, the monthly dust deposition rates predicted at these locations are within the range of deposition rates reported at the Windarling Range study site, for which no significant association between plant health and dust deposition was reported.

This assessment assumes implementation of the following dust control measures:

- Implementation of an operational control strategy to restrict dozing operations within Vesuvius pit when winds fall within the 'arcs of influence' for sub-populations 1b and 1c;
- Regular watering of unpaved haul roads within the Project site, applied at a rate of no less than 2 litres/m²/hour;
- Utilisation of water sprays on the crushing and screening units; and
- Application of dust suppression to exposed surface areas (inclusive of the mining pits, mine closure materials stockpile, TSF construction material pit, ROM pad and topsoil stockpile) using water trucks and/or cannons.

In addition to the measures listed above it is recommended housekeeping measures be undertaken around the processing plant to remove spillages and minimise the potential for subsequent re-entrainment of particulates via wind or vehicle movement.

In considering these results it should also be noted that the prediction of dust deposition rates from fugitive sources by air dispersion modelling is difficult primarily due to the complexity and uncertainty in estimating dust emissions due to numerous factors that can affect the emissions. Modelling results have a degree of inherent uncertainty but are useful in prioritising management measures to control and reduce dust emissions.

7. LIMITATIONS

Ramboll prepared this report in accordance with the scope of work as outlined in our proposal to Audalia dated 7 June 2019 and in accordance with our understanding and interpretation of current regulatory standards.

The conclusions presented in this report represent Ramboll's professional judgement based on information made available during the course of this assignment and are true and correct to the best of Ramboll's knowledge as at the date of the assessment.

Ramboll did not independently verify all of the written or oral information provided during the course of this investigation. While Ramboll has no reason to doubt the accuracy of the information provided to it, the report is complete and accurate only to the extent that the information provided to Ramboll was itself complete and accurate.

This report does not purport to give legal advice. This advice can only be given by qualified legal advisors.

7.1 User Reliance

This report has been prepared for Audalia and may not be relied upon by any other person or entity without Ramboll's express written permission.

8. REFERENCES

Doley, D. & Rossato, L. 2010 'Mineral Particulates and Vegetation: Modelled effects of Dust on Photosynthesis in Plant Canopies', *Air Quality and Climate Change*, Volume 44 No.2, May 2010.

ENVIRON Australia Pty Ltd. 2004. 'Port Hedland Dust Modelling Assessment.' Report prepared for Fortescue Metals Group Limited, August 2004.

Matsuki, M., Gardener, M., Smith, A., Howard, K. & Gove, A. 2016. 'Impacts of dust on plant health, survivorship and plant communities in semi-arid environments', *Austral Ecology*, Volume 41, pp 417-427.

National Pollutant Inventory (NPI). 2012. 'Emission Estimation Technique Manual for Mining.' Version 3.1, January 2012.

National Environmental Protection Council (NEPC). 2015. 'National Environmental Protection (Ambient Air Quality Measure)'. National Environmental Protection Council, December 2015.

NSW EPA (2016). 'Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales'. State of New South Wales and the Environment Protection Authority, November 2016.

United States Environmental Protection Agency (USEPA). 2004a. 'Compilation of air Pollutant Emission factors, AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources. Section 13.2.4. Aggregate Handling and Storage Piles. 1/95.'

United States Environmental Protection Agency (USEPA). 2004b. 'Compilation of air Pollutant Emission factors, AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources. Section 13.2.5. Industrial Wind Erosion. 1/95.'

United States Environmental Protection Agency (USEPA). 2006. 'Compilation of air Pollutant Emission factors, AP-42, Fifth Edition, Volume 1: Stationary Point and Area Sources. Section 13.2.2. Unpaved Roads. 11/06.'

9. ADDENDUM

Ramboll understand since completion of the air dispersion assessment, the footprint of the Vesuvius pit has been revised and the distance between the proposed pit crest and sub-populations 1b and 1c has increased. The revised pit boundary is set back an additional 30 to 50 m from the sub-population 1b buffer zone; and between 15 to 50 m further back from the sub-population 1c buffer zone (Figure 23). In effect, the minimum distance between the pit crest and sub-population 1b has increased from 30 m to 60 m, and the minimum distance between the pit crest and sub-population 1c has increased from 30 m to 45 m.

While the effect of this revision is not likely to have significant impact on the findings of the air dispersion modelling assessment, the predicted deposition rates at sub-population 1b and 1c are likely to be slightly lower than those presented in Table 7 and Table 8, given the modelling results indicate predicted deposition rates rapidly decrease with increasing distance from the modelled emission sources (refer to Section 5.1).

Assuming the dispersion of fugitive emissions from the revised Vesuvius pit footprint is similar to that predicted for the original pit footprint (based on a similarly shaped pit crest), an indication of the likely effect of increasing the distance between the pit boundary and *M.aquilonaris* sub-populations can be inferred from the contours presented in Figure 16 to Figure 21. For example, the 24-hour average deposition rate predicted at sub-population 1b for the Year 1 operating scenario is likely to be closer to 0.5 g/m².day rather than 0.8 g/m².day; and 5.0 g/m².month rather than 10.1 g/m².month. At sub-population 1c the predicted 24-hour average deposition rate is also likely to be closer to 0.65 g/m².day rather than 0.7 g/m².day; and 6.3 g/m².month rather than 7.7 g/m².month.

The findings of the air dispersion assessment however, remain the same; in the absence of specific assessment guidelines for impacts on vegetation from dust deposition, it is difficult to definitively assess the potential impact of the predicted dust deposition rates on the *M.aquilonaris* sub-populations. Despite the proposed increase in distance between the Vesuvius pit footprint and sub-populations 1b and 1c, the highest predicted daily dust deposition rates are likely to remain above the level at which reductions in canopy photosynthesis of cotton plants are reported (i.e. 0.3 g/m².day); but remain within the range of measured deposition rates reported at the Windarling Range study site (i.e. up to 20 g/m².month), for which no significant association between plant health and dust deposition was reported.

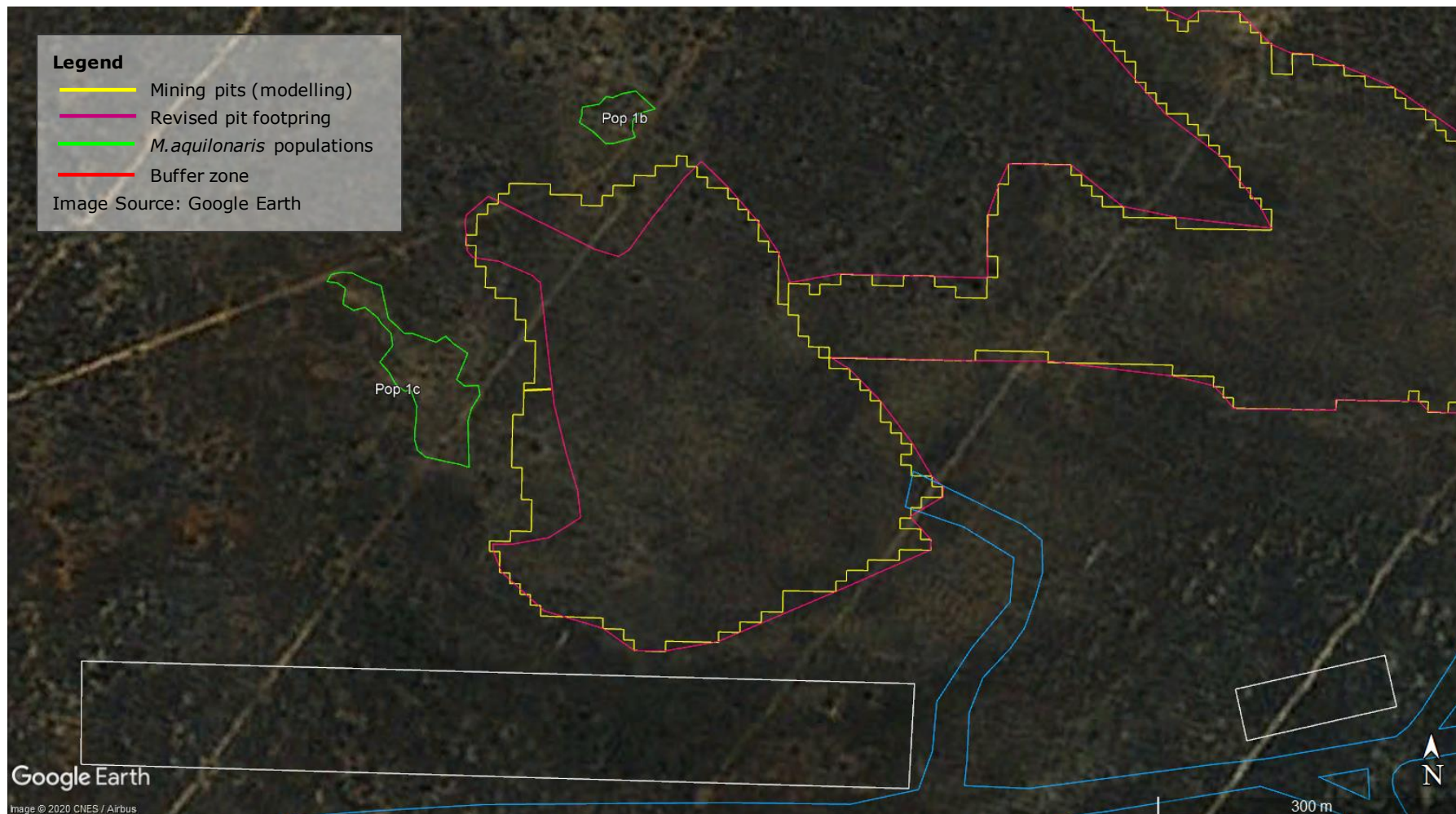


Figure 23: Proposed Revision of Vesuvius Pit Boundary

APPENDIX 1

AERMET INPUT FILES

** AERMET - STAGE 1 Input Produced by:
** AERMET View Ver. 9.6.0
** Lakes Environmental Software Inc.
** Date: 2019/11/05
** File: E:\Audalia\AERMET\Audalia_Medcalf.IN1

JOB

REPORT Audalia_Medcalf.RP1
MESSAGES Audalia_Medcalf.MG1

ONSITE

** Location of the Onsite Data File
** E:\Audalia\AERMET\TAPM_Medcalf.csv

DATA TAPM_Medcalf.csv
QAOUT Audalia_Medcalf.OQA

XDATES 2018/01/01 TO 2018/12/31

LOCATION 00000001 32.530S 120.790E 0 420.00

OBS/HOUR 1
THRESHOLD 0.5

OSHEIGHTS 10
DELTA_TEMP 1 10.00 24.00

READ 1 OSYR OSMO OSDY OSHR WS01 WD01 TT01 DT01 RH01 NRAD INSO MHGT PRCP
PRES

FORMAT 1 FREE

AUDIT WS WD NRAD PRCP RH TT PRES MHGT DT01

RANGE WS 0 <= 50 99
RANGE WD 0 <= 360 999
RANGE NRAD -100 < 800 999
RANGE PRCP 0 <= 25400 -9
RANGE RH 0 <= 100 999
RANGE TT -30 < 40 99
RANGE PRES 9000 < 10999 99999
RANGE MHGT 0 < 4000 -999
RANGE DT01 -2 < 5 9

```
*****  
** AERMET - STAGE 2 Input Produced by:  
** AERMET View Ver. 9.6.0  
** Lakes Environmental Software Inc.  
** Date: 2019/11/05  
** File: E:\Audalia\AERMET\Audalia_Medcalf.IN2  
*****
```

JOB

REPORT Audalia_Medcalf.RP2
MESSAGES Audalia_Medcalf.MG2

ONSITE

QAOUT Audalia_Medcalf.OQA

MERGE

OUTPUT Audalia_Medcalf.MRG

XDATES 2018/01/01 TO 2018/12/31

** AERMET - STAGE 3 Input Produced by:
** AERMET View Ver. 9.6.0
** Lakes Environmental Software Inc.
** Date: 2019/11/05
** File: E:\Audalia\AERMET\Audalia_Medcalf.IN3

JOB

REPORT Audalia_Medcalf.RP3
MESSAGES Audalia_Medcalf.MG3

METPREP

DATA Audalia_Medcalf.MRG
LOCATION 00000001 32.530S 120.790E -8

MODEL AERMOD

OUTPUT aermet.sfc
PROFILE aermet.pfl

XDATES 2018/01/01 TO 2018/12/31

METHOD WIND_DIR NORAND
METHOD STABLEBL BULKRN
METHOD STABLEBL ADJ_U*
METHOD CCVR SUB_CC
METHOD TEMP SUB_TT

** Primary Surface Characteristics

FREQ_SECT SEASONAL 1
SECTOR 1 0 360

** Period - Sector - Albedo - Bowen Ratio - Surface Roughness

SITE_CHAR 1 1 0.2500 4.0000 0.15000
SITE_CHAR 2 1 0.2500 6.0000 0.15000
SITE_CHAR 3 1 0.2500 6.0000 0.15000
SITE_CHAR 4 1 0.2500 3.0000 0.15000

APPENDIX 2

AERMOD INPUT FILES

| | | | | | |
|--|--------|------------|--------------------|--------|------------|
| LOCATION L0002366 | VOLUME | 293074.896 | LOCATION L0002423 | VOLUME | 293010.690 |
| 6398112.593 414.29 | | | 6398206.781 420.94 | | |
| LOCATION L0002367 | VOLUME | 293064.596 | LOCATION L0002424 | VOLUME | 293028.198 |
| 6398096.628 414.89 | | | 6398198.027 419.35 | | |
| LOCATION L0002368 | VOLUME | 293054.297 | LOCATION L0002425 | VOLUME | 293045.706 |
| 6398080.663 415.35 | | | 6398189.273 417.72 | | |
| LOCATION L0002369 | VOLUME | 293043.997 | LOCATION L0002426 | VOLUME | 293063.214 |
| 6398064.699 415.68 | | | 6398180.519 416.05 | | |
| LOCATION L0002370 | VOLUME | 293033.429 | LOCATION L0002427 | VOLUME | 293080.722 |
| 6398048.911 415.90 | | | 6398171.765 414.34 | | |
| LOCATION L0002371 | VOLUME | 293022.701 | LOCATION L0002428 | VOLUME | 293079.839 |
| 6398033.231 415.99 | | | 6398154.017 414.27 | | |
| LOCATION L0002372 | VOLUME | 293012.138 | LOCATION L0002429 | VOLUME | 293076.000 |
| 6398017.494 416.32 | | | 6398134.822 414.47 | | |
| LOCATION L0002373 | VOLUME | 293010.784 | LOCATION L0002430 | VOLUME | 293072.162 |
| 6397998.543 416.27 | | | 6398115.628 414.62 | | |
| LOCATION L0002374 | VOLUME | 293009.431 | LOCATION L0002431 | VOLUME | 293068.323 |
| 6397979.592 416.19 | | | 6398096.433 414.54 | | |
| LOCATION L0002375 | VOLUME | 293008.077 | LOCATION L0002432 | VOLUME | 293057.135 |
| 6397960.642 416.09 | | | 6398080.502 415.10 | | |
| LOCATION L0002376 | VOLUME | 293015.868 | LOCATION L0002433 | VOLUME | 293045.472 |
| 6397943.807 415.63 | | | 6398064.782 415.57 | | |
| LOCATION L0002377 | VOLUME | 293025.408 | LOCATION L0002434 | VOLUME | 293033.808 |
| 6397927.377 415.55 | | | 6398049.061 415.87 | | |
| LOCATION L0002378 | VOLUME | 293034.948 | LOCATION L0002435 | VOLUME | 293022.145 |
| 6397910.946 416.00 | | | 6398033.341 416.03 | | |
| LOCATION L0002379 | VOLUME | 293044.488 | LOCATION L0002436 | VOLUME | 293016.989 |
| 6397894.516 416.49 | | | 6398015.030 416.02 | | |
| LOCATION L0002380 | VOLUME | 293053.022 | LOCATION L0002437 | VOLUME | 293014.656 |
| 6397877.552 417.08 | | | 6397995.595 416.03 | | |
| LOCATION L0002381 | VOLUME | 293061.273 | LOCATION L0002438 | VOLUME | 293012.324 |
| 6397860.439 417.72 | | | 6397976.160 416.02 | | |
| LOCATION L0002382 | VOLUME | 293069.524 | LOCATION L0002439 | VOLUME | 293009.992 |
| 6397843.325 418.40 | | | 6397956.725 415.97 | | |
| LOCATION L0002383 | VOLUME | 293077.775 | LOCATION L0002440 | VOLUME | 293007.660 |
| 6397826.211 418.33 | | | 6397937.290 415.90 | | |
| LOCATION L0002384 | VOLUME | 293086.027 | LOCATION L0002441 | VOLUME | 293002.513 |
| 6397809.098 418.38 | | | 6397920.883 416.62 | | |
| LOCATION L0002385 | VOLUME | 293094.278 | LOCATION L0002442 | VOLUME | 292982.960 |
| 6397791.984 418.66 | | | 6397919.982 416.99 | | |
| LOCATION L0002386 | VOLUME | 293102.529 | LOCATION L0002443 | VOLUME | 292963.406 |
| 6397774.870 418.95 | | | 6397919.081 417.35 | | |
| ** End of LINE VOLUME Source ID = SLINE9 | | | LOCATION L0002444 | VOLUME | 292943.852 |
| ** ----- | | | 6397918.180 417.70 | | |
| ----- | | | LOCATION L0002445 | VOLUME | 292924.298 |
| ** Line Source Represented by Separated Volume | | | 6397917.279 417.97 | | |
| Sources | | | LOCATION L0002446 | VOLUME | 292904.744 |
| ** LINE VOLUME Source ID = SLINE10 | | | 6397916.378 417.76 | | |
| ** DESCRSRC VES to WRD | | | LOCATION L0002447 | VOLUME | 292885.191 |
| ** PREFIX | | | 6397915.477 417.53 | | |
| ** Length of Side = 9.80 | | | LOCATION L0002448 | VOLUME | 292865.637 |
| ** Configuration = Separated | | | 6397914.575 417.28 | | |
| ** Emission Rate = 1.0 | | | LOCATION L0002449 | VOLUME | 292846.083 |
| ** Vertical Dimension = 7.14 | | | 6397913.674 416.99 | | |
| ** SZINIT = 3.32 | | | LOCATION L0002450 | VOLUME | 292826.529 |
| ** Nodes = 7 | | | 6397912.773 416.36 | | |
| ** 292971.292, 6398226.481, 424.16, 3.57, 9.10 | | | LOCATION L0002451 | VOLUME | 292806.976 |
| ** 293083.147, 6398170.553, 415.23, 3.57, 9.10 | | | 6397911.872 415.74 | | |
| ** 293068.089, 6398095.266, 414.24, 3.57, 9.10 | | | LOCATION L0002452 | VOLUME | 292787.422 |
| ** 293018.615, 6398028.583, 416.81, 3.57, 9.10 | | | 6397910.971 415.10 | | |
| ** 293005.709, 6397921.030, 416.07, 3.57, 9.10 | | | LOCATION L0002453 | VOLUME | 292767.868 |
| ** 292538.929, 6397899.520, 406.27, 3.57, 9.10 | | | 6397910.070 414.45 | | |
| ** 292491.606, 6397718.831, 394.81, 3.57, 9.10 | | | LOCATION L0002454 | VOLUME | 292748.314 |
| ** ----- | | | 6397909.169 413.71 | | |
| ----- | | | LOCATION L0002455 | VOLUME | 292728.760 |
| LOCATION L0002421 | VOLUME | 292975.674 | 6397908.268 412.98 | | |
| 6398224.289 422.42 | | | LOCATION L0002456 | VOLUME | 292709.207 |
| LOCATION L0002422 | VOLUME | 292993.182 | 6397907.367 412.25 | | |
| 6398215.535 422.04 | | | | | |

| | | | | | |
|--|--------|------------|--------------------|--------|------------|
| LOCATION L0002457 | VOLUME | 292689.653 | LOCATION L0002480 | VOLUME | 293890.042 |
| 6397906.466 411.54 | | | 6398281.017 383.42 | | |
| LOCATION L0002458 | VOLUME | 292670.099 | LOCATION L0002481 | VOLUME | 293892.956 |
| 6397905.565 410.95 | | | 6398261.917 382.88 | | |
| LOCATION L0002459 | VOLUME | 292650.545 | LOCATION L0002482 | VOLUME | 293883.129 |
| 6397904.663 410.37 | | | 6398250.195 382.93 | | |
| LOCATION L0002460 | VOLUME | 292630.992 | LOCATION L0002483 | VOLUME | 293865.114 |
| 6397903.762 409.77 | | | 6398243.214 383.29 | | |
| LOCATION L0002461 | VOLUME | 292611.438 | LOCATION L0002484 | VOLUME | 293847.099 |
| 6397902.861 409.14 | | | 6398236.233 383.70 | | |
| LOCATION L0002462 | VOLUME | 292591.884 | LOCATION L0002485 | VOLUME | 293829.084 |
| 6397901.960 408.23 | | | 6398229.253 384.20 | | |
| LOCATION L0002463 | VOLUME | 292572.330 | LOCATION L0002486 | VOLUME | 293811.069 |
| 6397901.059 407.33 | | | 6398222.272 384.96 | | |
| LOCATION L0002464 | VOLUME | 292552.776 | LOCATION L0002487 | VOLUME | 293793.054 |
| 6397900.158 406.43 | | | 6398215.291 385.72 | | |
| LOCATION L0002465 | VOLUME | 292537.482 | LOCATION L0002488 | VOLUME | 293775.039 |
| 6397893.994 405.42 | | | 6398208.310 386.49 | | |
| LOCATION L0002466 | VOLUME | 292532.522 | LOCATION L0002489 | VOLUME | 293757.024 |
| 6397875.058 404.15 | | | 6398201.329 387.26 | | |
| LOCATION L0002467 | VOLUME | 292527.563 | LOCATION L0002490 | VOLUME | 293739.010 |
| 6397856.122 402.91 | | | 6398194.349 388.03 | | |
| LOCATION L0002468 | VOLUME | 292522.603 | LOCATION L0002491 | VOLUME | 293720.995 |
| 6397837.186 401.72 | | | 6398187.368 388.80 | | |
| LOCATION L0002469 | VOLUME | 292517.644 | LOCATION L0002492 | VOLUME | 293702.980 |
| 6397818.250 400.45 | | | 6398180.387 389.52 | | |
| LOCATION L0002470 | VOLUME | 292512.685 | LOCATION L0002493 | VOLUME | 293684.965 |
| 6397799.314 399.17 | | | 6398173.406 389.85 | | |
| LOCATION L0002471 | VOLUME | 292507.725 | LOCATION L0002494 | VOLUME | 293666.950 |
| 6397780.379 397.95 | | | 6398166.425 390.26 | | |
| LOCATION L0002472 | VOLUME | 292502.766 | LOCATION L0002495 | VOLUME | 293648.935 |
| 6397761.443 396.78 | | | 6398159.445 390.72 | | |
| LOCATION L0002473 | VOLUME | 292497.806 | LOCATION L0002496 | VOLUME | 293630.920 |
| 6397742.507 395.67 | | | 6398152.464 391.26 | | |
| LOCATION L0002474 | VOLUME | 292492.847 | LOCATION L0002497 | VOLUME | 293612.905 |
| 6397723.571 394.78 | | | 6398145.483 392.09 | | |
| ** End of LINE VOLUME Source ID = SLINE10 | | | LOCATION L0002498 | VOLUME | 293594.890 |
| ** ----- | | | 6398138.502 393.00 | | |
| ----- | | | LOCATION L0002499 | VOLUME | 293576.875 |
| ** Line Source Represented by Separated Volume | | | 6398131.521 393.91 | | |
| Sources | | | LOCATION L0002500 | VOLUME | 293558.860 |
| ** LINE VOLUME Source ID = SLINE11 | | | 6398124.541 394.95 | | |
| ** DESCRSRC FUJI1 to TOP | | | LOCATION L0002501 | VOLUME | 293544.495 |
| ** PREFIX | | | 6398112.995 396.06 | | |
| ** Length of Side = 9.80 | | | LOCATION L0002502 | VOLUME | 293533.720 |
| ** Configuration = Separated | | | 6398096.958 397.13 | | |
| ** Emission Rate = 1.0 | | | LOCATION L0002503 | VOLUME | 293522.945 |
| ** Vertical Dimension = 7.14 | | | 6398080.921 398.16 | | |
| ** SZINIT = 3.32 | | | LOCATION L0002504 | VOLUME | 293512.171 |
| ** Nodes = 6 | | | 6398064.885 399.14 | | |
| ** 293874.736, 6398381.357, 386.01, 3.57, 8.99 | | | LOCATION L0002505 | VOLUME | 293501.396 |
| ** 293894.096, 6398254.444, 382.14, 3.57, 8.99 | | | 6398048.848 400.08 | | |
| ** 293549.926, 6398121.079, 395.05, 3.57, 8.99 | | | LOCATION L0002506 | VOLUME | 293490.621 |
| ** 293457.431, 6397983.411, 407.52, 3.57, 8.99 | | | 6398032.811 401.03 | | |
| ** 293027.219, 6397921.030, 415.94, 3.57, 8.99 | | | LOCATION L0002507 | VOLUME | 293479.847 |
| ** 293108.959, 6397774.758, 418.26, 3.57, 8.99 | | | 6398016.774 402.19 | | |
| ** ----- | | | LOCATION L0002508 | VOLUME | 293469.072 |
| ----- | | | 6398000.738 403.50 | | |
| LOCATION L0002475 | VOLUME | 293875.475 | LOCATION L0002509 | VOLUME | 293458.297 |
| 6398376.513 385.23 | | | 6397984.701 404.92 | | |
| LOCATION L0002476 | VOLUME | 293878.388 | LOCATION L0002510 | VOLUME | 293439.848 |
| 6398357.414 385.01 | | | 6397980.862 405.79 | | |
| LOCATION L0002477 | VOLUME | 293881.302 | LOCATION L0002511 | VOLUME | 293420.728 |
| 6398338.314 384.82 | | | 6397978.089 406.60 | | |
| LOCATION L0002478 | VOLUME | 293884.215 | LOCATION L0002512 | VOLUME | 293401.608 |
| 6398319.215 384.59 | | | 6397975.317 407.38 | | |
| LOCATION L0002479 | VOLUME | 293887.129 | LOCATION L0002513 | VOLUME | 293382.488 |
| 6398300.116 383.99 | | | 6397972.544 408.09 | | |

| | | | | | |
|--|--------|------------|--|--------|------------|
| LOCATION L0002514 | VOLUME | 293363.367 | ** 293894.096, 6398256.595, 382.13, 3.57, 9.09 | | |
| 6397969.772 408.78 | | | ** 293558.530, 6398123.230, 395.05, 3.57, 9.09 | | |
| LOCATION L0002515 | VOLUME | 293344.247 | ** 293455.280, 6397987.713, 404.04, 3.57, 9.09 | | |
| 6397966.999 409.50 | | | ** 293001.406, 6397921.030, 416.09, 3.57, 9.09 | | |
| LOCATION L0002516 | VOLUME | 293325.127 | ** 292534.627, 6397893.067, 405.84, 3.57, 9.09 | | |
| 6397964.227 410.24 | | | ** 292489.455, 6397710.227, 394.60, 3.57, 9.09 | | |
| LOCATION L0002517 | VOLUME | 293306.007 | ** ----- | | |
| 6397961.455 410.83 | | | ----- | | |
| LOCATION L0002518 | VOLUME | 293286.886 | LOCATION L0002541 | VOLUME | 293871.378 |
| 6397958.682 411.27 | | | 6398372.247 385.52 | | |
| LOCATION L0002519 | VOLUME | 293267.766 | LOCATION L0002542 | VOLUME | 293875.146 |
| 6397955.910 411.70 | | | 6398353.067 385.21 | | |
| LOCATION L0002520 | VOLUME | 293248.646 | LOCATION L0002543 | VOLUME | 293878.913 |
| 6397953.137 412.12 | | | 6398333.888 384.95 | | |
| LOCATION L0002521 | VOLUME | 293229.526 | LOCATION L0002544 | VOLUME | 293882.680 |
| 6397950.365 412.28 | | | 6398314.709 384.56 | | |
| LOCATION L0002522 | VOLUME | 293210.405 | LOCATION L0002545 | VOLUME | 293886.448 |
| 6397947.592 412.18 | | | 6398295.529 383.92 | | |
| LOCATION L0002523 | VOLUME | 293191.285 | LOCATION L0002546 | VOLUME | 293890.215 |
| 6397944.820 412.07 | | | 6398276.350 383.31 | | |
| LOCATION L0002524 | VOLUME | 293172.165 | LOCATION L0002547 | VOLUME | 293893.983 |
| 6397942.048 411.95 | | | 6398257.171 382.74 | | |
| LOCATION L0002525 | VOLUME | 293153.045 | LOCATION L0002548 | VOLUME | 293876.476 |
| 6397939.275 412.04 | | | 6398249.593 383.12 | | |
| LOCATION L0002526 | VOLUME | 293133.924 | LOCATION L0002549 | VOLUME | 293858.313 |
| 6397936.503 412.39 | | | 6398242.374 383.47 | | |
| LOCATION L0002527 | VOLUME | 293114.804 | LOCATION L0002550 | VOLUME | 293840.149 |
| 6397933.730 412.78 | | | 6398235.155 383.93 | | |
| LOCATION L0002528 | VOLUME | 293095.684 | LOCATION L0002551 | VOLUME | 293821.985 |
| 6397930.958 413.15 | | | 6398227.936 384.47 | | |
| LOCATION L0002529 | VOLUME | 293076.564 | LOCATION L0002552 | VOLUME | 293803.821 |
| 6397928.185 413.67 | | | 6398220.717 385.25 | | |
| LOCATION L0002530 | VOLUME | 293057.443 | LOCATION L0002553 | VOLUME | 293785.657 |
| 6397925.413 414.50 | | | 6398213.498 386.03 | | |
| LOCATION L0002531 | VOLUME | 293038.323 | LOCATION L0002554 | VOLUME | 293767.493 |
| 6397922.640 415.32 | | | 6398206.279 386.80 | | |
| LOCATION L0002532 | VOLUME | 293031.171 | LOCATION L0002555 | VOLUME | 293749.329 |
| 6397913.959 415.98 | | | 6398199.060 387.58 | | |
| LOCATION L0002533 | VOLUME | 293040.595 | LOCATION L0002556 | VOLUME | 293731.165 |
| 6397897.094 416.49 | | | 6398191.841 388.36 | | |
| LOCATION L0002534 | VOLUME | 293050.020 | LOCATION L0002557 | VOLUME | 293713.002 |
| 6397880.229 417.03 | | | 6398184.622 389.14 | | |
| LOCATION L0002535 | VOLUME | 293059.445 | LOCATION L0002558 | VOLUME | 293694.838 |
| 6397863.363 417.62 | | | 6398177.403 389.66 | | |
| LOCATION L0002536 | VOLUME | 293068.870 | LOCATION L0002559 | VOLUME | 293676.674 |
| 6397846.498 418.25 | | | 6398170.184 390.03 | | |
| LOCATION L0002537 | VOLUME | 293078.295 | LOCATION L0002560 | VOLUME | 293658.510 |
| 6397829.632 418.29 | | | 6398162.965 390.47 | | |
| LOCATION L0002538 | VOLUME | 293087.719 | LOCATION L0002561 | VOLUME | 293640.346 |
| 6397812.767 418.36 | | | 6398155.746 390.98 | | |
| LOCATION L0002539 | VOLUME | 293097.144 | LOCATION L0002562 | VOLUME | 293622.182 |
| 6397795.901 418.66 | | | 6398148.527 391.64 | | |
| LOCATION L0002540 | VOLUME | 293106.569 | LOCATION L0002563 | VOLUME | 293604.018 |
| 6397779.036 418.96 | | | 6398141.308 392.56 | | |
| ** End of LINE VOLUME Source ID = SLINE11 | | | LOCATION L0002564 | VOLUME | 293585.854 |
| ** ----- | | | 6398134.089 393.49 | | |
| ----- | | | LOCATION L0002565 | VOLUME | 293567.691 |
| ** Line Source Represented by Separated Volume | | | 6398126.870 394.49 | | |
| Sources | | | LOCATION L0002566 | VOLUME | 293552.659 |
| ** LINE VOLUME Source ID = SLINE12 | | | 6398115.523 395.68 | | |
| ** DESCRSRC FUJ11 to WRD | | | LOCATION L0002567 | VOLUME | 293540.813 |
| ** PREFIX | | | 6398099.976 396.83 | | |
| ** Length of Side = 9.80 | | | LOCATION L0002568 | VOLUME | 293528.967 |
| ** Configuration = Separated | | | 6398084.428 397.88 | | |
| ** Emission Rate = 1.0 | | | LOCATION L0002569 | VOLUME | 293517.122 |
| ** Vertical Dimension = 7.14 | | | 6398068.881 398.87 | | |
| ** SZINIT = 3.32 | | | LOCATION L0002570 | VOLUME | 293505.276 |
| ** Nodes = 7 | | | 6398053.334 399.81 | | |
| ** 293870.434, 6398377.055, 386.14, 3.57, 9.09 | | | | | |

LOCATION L0002571 VOLUME 293493.431
6398037.786 400.70
LOCATION L0002572 VOLUME 293481.585
6398022.239 401.81
LOCATION L0002573 VOLUME 293469.739
6398006.691 403.09
LOCATION L0002574 VOLUME 293457.894
6397991.144 404.53
LOCATION L0002575 VOLUME 293440.209
6397985.499 405.52
LOCATION L0002576 VOLUME 293420.871
6397982.658 406.36
LOCATION L0002577 VOLUME 293401.532
6397979.817 407.18
LOCATION L0002578 VOLUME 293382.194
6397976.976 407.88
LOCATION L0002579 VOLUME 293362.856
6397974.134 408.56
LOCATION L0002580 VOLUME 293343.518
6397971.293 409.27
LOCATION L0002581 VOLUME 293324.179
6397968.452 410.00
LOCATION L0002582 VOLUME 293304.841
6397965.611 410.58
LOCATION L0002583 VOLUME 293285.503
6397962.770 411.04
LOCATION L0002584 VOLUME 293266.165
6397959.929 411.49
LOCATION L0002585 VOLUME 293246.826
6397957.087 411.93
LOCATION L0002586 VOLUME 293227.488
6397954.246 412.05
LOCATION L0002587 VOLUME 293208.150
6397951.405 411.97
LOCATION L0002588 VOLUME 293188.812
6397948.564 411.87
LOCATION L0002589 VOLUME 293169.473
6397945.723 411.76
LOCATION L0002590 VOLUME 293150.135
6397942.882 411.93
LOCATION L0002591 VOLUME 293130.797
6397940.040 412.30
LOCATION L0002592 VOLUME 293111.459
6397937.199 412.63
LOCATION L0002593 VOLUME 293092.121
6397934.358 412.99
LOCATION L0002594 VOLUME 293072.782
6397931.517 413.63
LOCATION L0002595 VOLUME 293053.444
6397928.676 414.48
LOCATION L0002596 VOLUME 293034.106
6397925.835 415.31
LOCATION L0002597 VOLUME 293014.768
6397922.993 416.14
LOCATION L0002598 VOLUME 292995.376
6397920.669 416.76
LOCATION L0002599 VOLUME 292975.865
6397919.500 417.13
LOCATION L0002600 VOLUME 292956.354
6397918.331 417.49
LOCATION L0002601 VOLUME 292936.843
6397917.163 417.83
LOCATION L0002602 VOLUME 292917.333
6397915.994 417.89
LOCATION L0002603 VOLUME 292897.822
6397914.825 417.65
LOCATION L0002604 VOLUME 292878.311
6397913.656 417.39

LOCATION L0002605 VOLUME 292858.800
6397912.487 417.11
LOCATION L0002606 VOLUME 292839.289
6397911.318 416.66
LOCATION L0002607 VOLUME 292819.778
6397910.149 416.00
LOCATION L0002608 VOLUME 292800.267
6397908.981 415.34
LOCATION L0002609 VOLUME 292780.757
6397907.812 414.67
LOCATION L0002610 VOLUME 292761.246
6397906.643 413.96
LOCATION L0002611 VOLUME 292741.735
6397905.474 413.22
LOCATION L0002612 VOLUME 292722.224
6397904.305 412.48
LOCATION L0002613 VOLUME 292702.713
6397903.136 411.74
LOCATION L0002614 VOLUME 292683.202
6397901.967 411.07
LOCATION L0002615 VOLUME 292663.691
6397900.799 410.45
LOCATION L0002616 VOLUME 292644.181
6397899.630 409.83
LOCATION L0002617 VOLUME 292624.670
6397898.461 409.21
LOCATION L0002618 VOLUME 292605.159
6397897.292 408.46
LOCATION L0002619 VOLUME 292585.648
6397896.123 407.56
LOCATION L0002620 VOLUME 292566.137
6397894.954 406.67
LOCATION L0002621 VOLUME 292546.626
6397893.785 405.79
LOCATION L0002622 VOLUME 292532.822
6397885.761 404.74
LOCATION L0002623 VOLUME 292528.134
6397866.786 403.50
LOCATION L0002624 VOLUME 292523.446
6397847.811 402.30
LOCATION L0002625 VOLUME 292518.758
6397828.835 401.13
LOCATION L0002626 VOLUME 292514.070
6397809.860 399.83
LOCATION L0002627 VOLUME 292509.382
6397790.885 398.59
LOCATION L0002628 VOLUME 292504.694
6397771.910 397.40
LOCATION L0002629 VOLUME 292500.006
6397752.934 396.27
LOCATION L0002630 VOLUME 292495.318
6397733.959 395.24
LOCATION L0002631 VOLUME 292490.630
6397714.984 394.41
** End of LINE VOLUME Source ID = SLINE12
** -----
** Line Source Represented by Separated Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC EGMONT to WRD
** PREFIX
** Length of Side = 9.80
** Configuration = Separated
** Emission Rate = 1.0
** Vertical Dimension = 7.14
** SZINIT = 3.32
** Nodes = 5
** 291839.835, 6397669.357, 415.20, 3.57, 9.01

```

** 291932.330, 6397798.420, 399.68, 3.57, 9.01
** 292054.941, 6397869.405, 393.17, 3.57, 9.01
** 292394.808, 6397884.462, 396.14, 3.57, 9.01
** 292448.584, 6397710.227, 394.40, 3.57, 9.01
** -----
LOCATION L0002632 VOLUME 291842.689
6397673.339 415.07
LOCATION L0002633 VOLUME 291853.968
6397689.077 413.70
LOCATION L0002634 VOLUME 291865.247
6397704.815 412.47
LOCATION L0002635 VOLUME 291876.526
6397720.553 411.39
LOCATION L0002636 VOLUME 291887.804
6397736.291 409.59
LOCATION L0002637 VOLUME 291899.083
6397752.029 407.47
LOCATION L0002638 VOLUME 291910.362
6397767.766 405.50
LOCATION L0002639 VOLUME 291921.641
6397783.504 403.20
LOCATION L0002640 VOLUME 291933.206
6397798.927 401.07
LOCATION L0002641 VOLUME 291949.962
6397808.628 399.19
LOCATION L0002642 VOLUME 291966.719
6397818.329 397.54
LOCATION L0002643 VOLUME 291983.475
6397828.030 396.19
LOCATION L0002644 VOLUME 292000.232
6397837.731 395.15
LOCATION L0002645 VOLUME 292016.988
6397847.432 394.30
LOCATION L0002646 VOLUME 292033.745
6397857.133 393.59
LOCATION L0002647 VOLUME 292050.501
6397866.835 393.01
LOCATION L0002648 VOLUME 292069.159
6397870.035 392.48
LOCATION L0002649 VOLUME 292088.502
6397870.892 392.25
LOCATION L0002650 VOLUME 292107.845
6397871.749 392.02
LOCATION L0002651 VOLUME 292127.188
6397872.606 391.80
LOCATION L0002652 VOLUME 292146.531
6397873.463 391.62
LOCATION L0002653 VOLUME 292165.874
6397874.320 391.75
LOCATION L0002654 VOLUME 292185.217
6397875.177 391.87
LOCATION L0002655 VOLUME 292204.561
6397876.034 391.99
LOCATION L0002656 VOLUME 292223.904
6397876.891 392.14
LOCATION L0002657 VOLUME 292243.247
6397877.748 392.71
LOCATION L0002658 VOLUME 292262.590
6397878.605 393.28
LOCATION L0002659 VOLUME 292281.933
6397879.462 393.87
LOCATION L0002660 VOLUME 292301.276
6397880.319 394.45
LOCATION L0002661 VOLUME 292320.619
6397881.176 394.79
LOCATION L0002662 VOLUME 292339.962
6397882.033 395.13

```

```

LOCATION L0002663 VOLUME 292359.306
6397882.890 395.45
LOCATION L0002664 VOLUME 292378.649
6397883.746 395.77
LOCATION L0002665 VOLUME 292395.748
6397881.417 396.73
LOCATION L0002666 VOLUME 292401.458
6397862.916 396.46
LOCATION L0002667 VOLUME 292407.168
6397844.415 396.20
LOCATION L0002668 VOLUME 292412.878
6397825.914 395.96
LOCATION L0002669 VOLUME 292418.589
6397807.413 395.81
LOCATION L0002670 VOLUME 292424.299
6397788.913 395.57
LOCATION L0002671 VOLUME 292430.009
6397770.412 395.24
LOCATION L0002672 VOLUME 292435.719
6397751.911 394.84
LOCATION L0002673 VOLUME 292441.429
6397733.410 394.39
LOCATION L0002674 VOLUME 292447.139
6397714.909 393.99
** End of LINE VOLUME Source ID = SLINE13
** -----
** Line Source Represented by Adjacent Volume
Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC EGMONT to TOP
** PREFIX
** Length of Side = 9.80
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 7.14
** SZINIT = 3.32
** Nodes = 8
** 291839.835, 6397671.508, 415.10, 3.57, 4.56
** 291934.482, 6397787.665, 399.16, 3.57, 4.56
** 292065.696, 6397865.103, 392.98, 3.57, 4.56
** 292388.355, 6397884.462, 396.15, 3.57, 4.56
** 292549.684, 6397901.671, 406.21, 3.57, 4.56
** 292988.500, 6397925.333, 416.21, 3.57, 4.56
** 293037.974, 6397910.275, 415.77, 3.57, 4.56
** 293102.506, 6397779.061, 418.28, 3.57, 4.56
** -----
LOCATION L0002675 VOLUME 291842.930
6397675.306 414.99
LOCATION L0002676 VOLUME 291849.121
6397682.904 414.25
LOCATION L0002677 VOLUME 291855.311
6397690.501 413.55
LOCATION L0002678 VOLUME 291861.501
6397698.098 412.90
LOCATION L0002679 VOLUME 291867.692
6397705.696 412.28
LOCATION L0002680 VOLUME 291873.882
6397713.293 411.70
LOCATION L0002681 VOLUME 291880.073
6397720.890 411.16
LOCATION L0002682 VOLUME 291886.263
6397728.487 410.45
LOCATION L0002683 VOLUME 291892.453
6397736.085 409.34
LOCATION L0002684 VOLUME 291898.644
6397743.682 408.27

```

| | | | | | |
|--------------------|--------|------------|--------------------|--------|------------|
| LOCATION L0002685 | VOLUME | 291904.834 | LOCATION L0002719 | VOLUME | 292199.360 |
| 6397751.279 407.25 | | | 6397873.123 391.89 | | |
| LOCATION L0002686 | VOLUME | 291911.025 | LOCATION L0002720 | VOLUME | 292209.142 |
| 6397758.877 406.26 | | | 6397873.710 391.96 | | |
| LOCATION L0002687 | VOLUME | 291917.215 | LOCATION L0002721 | VOLUME | 292218.925 |
| 6397766.474 405.02 | | | 6397874.297 392.03 | | |
| LOCATION L0002688 | VOLUME | 291923.405 | LOCATION L0002722 | VOLUME | 292228.707 |
| 6397774.071 403.80 | | | 6397874.884 392.23 | | |
| LOCATION L0002689 | VOLUME | 291929.596 | LOCATION L0002723 | VOLUME | 292238.489 |
| 6397781.669 402.65 | | | 6397875.470 392.50 | | |
| LOCATION L0002690 | VOLUME | 291936.260 | LOCATION L0002724 | VOLUME | 292248.272 |
| 6397788.714 401.56 | | | 6397876.057 392.79 | | |
| LOCATION L0002691 | VOLUME | 291944.700 | LOCATION L0002725 | VOLUME | 292258.054 |
| 6397793.695 400.53 | | | 6397876.644 393.07 | | |
| LOCATION L0002692 | VOLUME | 291953.140 | LOCATION L0002726 | VOLUME | 292267.837 |
| 6397798.676 399.56 | | | 6397877.231 393.36 | | |
| LOCATION L0002693 | VOLUME | 291961.580 | LOCATION L0002727 | VOLUME | 292277.619 |
| 6397803.657 398.65 | | | 6397877.818 393.66 | | |
| LOCATION L0002694 | VOLUME | 291970.019 | LOCATION L0002728 | VOLUME | 292287.401 |
| 6397808.638 397.79 | | | 6397878.405 393.96 | | |
| LOCATION L0002695 | VOLUME | 291978.459 | LOCATION L0002729 | VOLUME | 292297.184 |
| 6397813.619 396.98 | | | 6397878.992 394.26 | | |
| LOCATION L0002696 | VOLUME | 291986.899 | LOCATION L0002730 | VOLUME | 292306.966 |
| 6397818.600 396.24 | | | 6397879.579 394.49 | | |
| LOCATION L0002697 | VOLUME | 291995.339 | LOCATION L0002731 | VOLUME | 292316.749 |
| 6397823.581 395.64 | | | 6397880.166 394.68 | | |
| LOCATION L0002698 | VOLUME | 292003.779 | LOCATION L0002732 | VOLUME | 292326.531 |
| 6397828.562 395.14 | | | 6397880.753 394.86 | | |
| LOCATION L0002699 | VOLUME | 292012.219 | LOCATION L0002733 | VOLUME | 292336.314 |
| 6397833.542 394.67 | | | 6397881.340 395.04 | | |
| LOCATION L0002700 | VOLUME | 292020.658 | LOCATION L0002734 | VOLUME | 292346.096 |
| 6397838.523 394.24 | | | 6397881.927 395.21 | | |
| LOCATION L0002701 | VOLUME | 292029.098 | LOCATION L0002735 | VOLUME | 292355.878 |
| 6397843.504 393.84 | | | 6397882.514 395.38 | | |
| LOCATION L0002702 | VOLUME | 292037.538 | LOCATION L0002736 | VOLUME | 292365.661 |
| 6397848.485 393.47 | | | 6397883.101 395.55 | | |
| LOCATION L0002703 | VOLUME | 292045.978 | LOCATION L0002737 | VOLUME | 292375.443 |
| 6397853.466 393.14 | | | 6397883.688 395.72 | | |
| LOCATION L0002704 | VOLUME | 292054.418 | LOCATION L0002738 | VOLUME | 292385.226 |
| 6397858.447 392.84 | | | 6397884.275 396.16 | | |
| LOCATION L0002705 | VOLUME | 292062.858 | LOCATION L0002739 | VOLUME | 292394.982 |
| 6397863.428 392.58 | | | 6397885.169 396.80 | | |
| LOCATION L0002706 | VOLUME | 292072.189 | LOCATION L0002740 | VOLUME | 292404.727 |
| 6397865.492 392.39 | | | 6397886.209 397.46 | | |
| LOCATION L0002707 | VOLUME | 292081.971 | LOCATION L0002741 | VOLUME | 292414.472 |
| 6397866.079 392.26 | | | 6397887.248 398.11 | | |
| LOCATION L0002708 | VOLUME | 292091.753 | LOCATION L0002742 | VOLUME | 292424.217 |
| 6397866.666 392.14 | | | 6397888.288 398.76 | | |
| LOCATION L0002709 | VOLUME | 292101.536 | LOCATION L0002743 | VOLUME | 292433.961 |
| 6397867.253 392.01 | | | 6397889.327 399.41 | | |
| LOCATION L0002710 | VOLUME | 292111.318 | LOCATION L0002744 | VOLUME | 292443.706 |
| 6397867.840 391.89 | | | 6397890.367 400.06 | | |
| LOCATION L0002711 | VOLUME | 292121.101 | LOCATION L0002745 | VOLUME | 292453.451 |
| 6397868.427 391.77 | | | 6397891.406 400.72 | | |
| LOCATION L0002712 | VOLUME | 292130.883 | LOCATION L0002746 | VOLUME | 292463.195 |
| 6397869.014 391.65 | | | 6397892.445 401.32 | | |
| LOCATION L0002713 | VOLUME | 292140.665 | LOCATION L0002747 | VOLUME | 292472.940 |
| 6397869.601 391.54 | | | 6397893.485 401.89 | | |
| LOCATION L0002714 | VOLUME | 292150.448 | LOCATION L0002748 | VOLUME | 292482.685 |
| 6397870.188 391.53 | | | 6397894.524 402.47 | | |
| LOCATION L0002715 | VOLUME | 292160.230 | LOCATION L0002749 | VOLUME | 292492.430 |
| 6397870.775 391.61 | | | 6397895.564 403.05 | | |
| LOCATION L0002716 | VOLUME | 292170.013 | LOCATION L0002750 | VOLUME | 292502.174 |
| 6397871.362 391.68 | | | 6397896.603 403.64 | | |
| LOCATION L0002717 | VOLUME | 292179.795 | LOCATION L0002751 | VOLUME | 292511.919 |
| 6397871.949 391.75 | | | 6397897.643 404.23 | | |
| LOCATION L0002718 | VOLUME | 292189.577 | LOCATION L0002752 | VOLUME | 292521.664 |
| 6397872.536 391.82 | | | 6397898.682 404.83 | | |

| | | | | | |
|--------------------|--------|------------|---|--------|------------|
| LOCATION L0002753 | VOLUME | 292531.408 | LOCATION L0002787 | VOLUME | 292864.048 |
| 6397899.721 405.43 | | | 6397918.622 417.44 | | |
| LOCATION L0002754 | VOLUME | 292541.153 | LOCATION L0002788 | VOLUME | 292873.834 |
| 6397900.761 405.96 | | | 6397919.150 417.54 | | |
| LOCATION L0002755 | VOLUME | 292550.903 | LOCATION L0002789 | VOLUME | 292883.620 |
| 6397901.737 406.44 | | | 6397919.677 417.64 | | |
| LOCATION L0002756 | VOLUME | 292560.689 | LOCATION L0002790 | VOLUME | 292893.405 |
| 6397902.264 406.90 | | | 6397920.205 417.73 | | |
| LOCATION L0002757 | VOLUME | 292570.475 | LOCATION L0002791 | VOLUME | 292903.191 |
| 6397902.792 407.36 | | | 6397920.733 417.81 | | |
| LOCATION L0002758 | VOLUME | 292580.260 | LOCATION L0002792 | VOLUME | 292912.977 |
| 6397903.320 407.82 | | | 6397921.260 417.89 | | |
| LOCATION L0002759 | VOLUME | 292590.046 | LOCATION L0002793 | VOLUME | 292922.763 |
| 6397903.847 408.28 | | | 6397921.788 417.97 | | |
| LOCATION L0002760 | VOLUME | 292599.832 | LOCATION L0002794 | VOLUME | 292932.549 |
| 6397904.375 408.75 | | | 6397922.316 417.88 | | |
| LOCATION L0002761 | VOLUME | 292609.618 | LOCATION L0002795 | VOLUME | 292942.334 |
| 6397904.903 409.22 | | | 6397922.843 417.69 | | |
| LOCATION L0002762 | VOLUME | 292619.403 | LOCATION L0002796 | VOLUME | 292952.120 |
| 6397905.430 409.59 | | | 6397923.371 417.49 | | |
| LOCATION L0002763 | VOLUME | 292629.189 | LOCATION L0002797 | VOLUME | 292961.906 |
| 6397905.958 409.89 | | | 6397923.899 417.28 | | |
| LOCATION L0002764 | VOLUME | 292638.975 | LOCATION L0002798 | VOLUME | 292971.692 |
| 6397906.486 410.19 | | | 6397924.426 417.08 | | |
| LOCATION L0002765 | VOLUME | 292648.761 | LOCATION L0002799 | VOLUME | 292981.477 |
| 6397907.013 410.49 | | | 6397924.954 416.87 | | |
| LOCATION L0002766 | VOLUME | 292658.547 | LOCATION L0002800 | VOLUME | 292991.147 |
| 6397907.541 410.78 | | | 6397924.527 416.69 | | |
| LOCATION L0002767 | VOLUME | 292668.332 | LOCATION L0002801 | VOLUME | 293000.523 |
| 6397908.069 411.08 | | | 6397921.673 416.63 | | |
| LOCATION L0002768 | VOLUME | 292678.118 | LOCATION L0002802 | VOLUME | 293009.898 |
| 6397908.596 411.38 | | | 6397918.820 416.50 | | |
| LOCATION L0002769 | VOLUME | 292687.904 | LOCATION L0002803 | VOLUME | 293019.274 |
| 6397909.124 411.67 | | | 6397915.967 416.30 | | |
| LOCATION L0002770 | VOLUME | 292697.690 | LOCATION L0002804 | VOLUME | 293028.649 |
| 6397909.652 412.01 | | | 6397913.113 416.11 | | |
| LOCATION L0002771 | VOLUME | 292707.476 | LOCATION L0002805 | VOLUME | 293037.997 |
| 6397910.179 412.38 | | | 6397910.228 415.93 | | |
| LOCATION L0002772 | VOLUME | 292717.261 | LOCATION L0002806 | VOLUME | 293042.322 |
| 6397910.707 412.75 | | | 6397901.434 416.22 | | |
| LOCATION L0002773 | VOLUME | 292727.047 | LOCATION L0002807 | VOLUME | 293046.647 |
| 6397911.235 413.13 | | | 6397892.640 416.52 | | |
| LOCATION L0002774 | VOLUME | 292736.833 | LOCATION L0002808 | VOLUME | 293050.972 |
| 6397911.762 413.51 | | | 6397883.846 416.82 | | |
| LOCATION L0002775 | VOLUME | 292746.619 | LOCATION L0002809 | VOLUME | 293055.297 |
| 6397912.290 413.88 | | | 6397875.052 417.14 | | |
| LOCATION L0002776 | VOLUME | 292756.404 | LOCATION L0002810 | VOLUME | 293059.622 |
| 6397912.818 414.26 | | | 6397866.258 417.47 | | |
| LOCATION L0002777 | VOLUME | 292766.190 | LOCATION L0002811 | VOLUME | 293063.947 |
| 6397913.345 414.64 | | | 6397857.464 417.80 | | |
| LOCATION L0002778 | VOLUME | 292775.976 | LOCATION L0002812 | VOLUME | 293068.272 |
| 6397913.873 414.98 | | | 6397848.670 418.15 | | |
| LOCATION L0002779 | VOLUME | 292785.762 | LOCATION L0002813 | VOLUME | 293072.597 |
| 6397914.401 415.30 | | | 6397839.876 418.34 | | |
| LOCATION L0002780 | VOLUME | 292795.548 | LOCATION L0002814 | VOLUME | 293076.922 |
| 6397914.928 415.61 | | | 6397831.082 418.31 | | |
| LOCATION L0002781 | VOLUME | 292805.333 | LOCATION L0002815 | VOLUME | 293081.247 |
| 6397915.456 415.93 | | | 6397822.288 418.30 | | |
| LOCATION L0002782 | VOLUME | 292815.119 | LOCATION L0002816 | VOLUME | 293085.572 |
| 6397915.984 416.24 | | | 6397813.494 418.33 | | |
| LOCATION L0002783 | VOLUME | 292824.905 | LOCATION L0002817 | VOLUME | 293089.897 |
| 6397916.511 416.55 | | | 6397804.700 418.47 | | |
| LOCATION L0002784 | VOLUME | 292834.691 | LOCATION L0002818 | VOLUME | 293094.222 |
| 6397917.039 416.85 | | | 6397795.906 418.62 | | |
| LOCATION L0002785 | VOLUME | 292844.477 | LOCATION L0002819 | VOLUME | 293098.547 |
| 6397917.567 417.16 | | | 6397787.112 418.77 | | |
| LOCATION L0002786 | VOLUME | 292854.262 | ** End of LINE VOLUME Source ID = SLINE14 | | |
| 6397918.094 417.34 | | | ** ----- | | |
| | | | ----- | | |

** Line Source Represented by Separated Volume Sources
 ** LINE VOLUME Source ID = SLINE15
 ** DESCRSRC VES to ROM
 ** PREFIX
 ** Length of Side = 9.80
 ** Configuration = Separated
 ** Emission Rate = 1.0
 ** Vertical Dimension = 7.14
 ** SZINIT = 3.32
 ** Nodes = 7
 ** 292969.141, 6398237.236, 423.79, 3.57, 9.01
 ** 293076.693, 6398172.704, 415.36, 3.57, 9.01
 ** 293080.996, 6398123.230, 414.00, 3.57, 9.01
 ** 293025.068, 6398032.885, 416.49, 3.57, 9.01
 ** 293016.464, 6397923.181, 416.04, 3.57, 9.01
 ** 293326.216, 6397961.900, 411.97, 3.57, 9.01
 ** 293539.171, 6398002.771, 400.91, 3.57, 9.01
 ** -----

| | | |
|--------------------|--------|------------|
| LOCATION L0002820 | VOLUME | 292973.342 |
| 6398234.715 421.72 | | |
| LOCATION L0002821 | VOLUME | 292989.956 |
| 6398224.747 421.52 | | |
| LOCATION L0002822 | VOLUME | 293006.569 |
| 6398214.779 421.08 | | |
| LOCATION L0002823 | VOLUME | 293023.182 |
| 6398204.811 419.82 | | |
| LOCATION L0002824 | VOLUME | 293039.795 |
| 6398194.843 418.29 | | |
| LOCATION L0002825 | VOLUME | 293056.408 |
| 6398184.875 416.71 | | |
| LOCATION L0002826 | VOLUME | 293073.022 |
| 6398174.907 415.09 | | |
| LOCATION L0002827 | VOLUME | 293078.001 |
| 6398157.669 414.46 | | |
| LOCATION L0002828 | VOLUME | 293079.679 |
| 6398138.367 414.14 | | |
| LOCATION L0002829 | VOLUME | 293078.796 |
| 6398119.676 414.04 | | |
| LOCATION L0002830 | VOLUME | 293068.598 |
| 6398103.203 414.68 | | |
| LOCATION L0002831 | VOLUME | 293058.400 |
| 6398086.730 415.18 | | |
| LOCATION L0002832 | VOLUME | 293048.202 |
| 6398070.256 415.53 | | |
| LOCATION L0002833 | VOLUME | 293038.005 |
| 6398053.783 415.74 | | |
| LOCATION L0002834 | VOLUME | 293027.807 |
| 6398037.310 415.82 | | |
| LOCATION L0002835 | VOLUME | 293023.960 |
| 6398018.758 415.61 | | |
| LOCATION L0002836 | VOLUME | 293022.445 |
| 6397999.443 415.62 | | |
| LOCATION L0002837 | VOLUME | 293020.930 |
| 6397980.129 415.61 | | |
| LOCATION L0002838 | VOLUME | 293019.415 |
| 6397960.814 415.58 | | |
| LOCATION L0002839 | VOLUME | 293017.900 |
| 6397941.499 415.53 | | |
| LOCATION L0002840 | VOLUME | 293017.457 |
| 6397923.306 416.03 | | |
| LOCATION L0002841 | VOLUME | 293036.681 |
| 6397925.709 415.23 | | |
| LOCATION L0002842 | VOLUME | 293055.906 |
| 6397928.112 414.42 | | |
| LOCATION L0002843 | VOLUME | 293075.130 |
| 6397930.515 413.60 | | |

| | | |
|--------------------|--------|------------|
| LOCATION L0002844 | VOLUME | 293094.355 |
| 6397932.918 413.05 | | |
| LOCATION L0002845 | VOLUME | 293113.580 |
| 6397935.321 412.70 | | |
| LOCATION L0002846 | VOLUME | 293132.804 |
| 6397937.724 412.35 | | |
| LOCATION L0002847 | VOLUME | 293152.029 |
| 6397940.127 412.01 | | |
| LOCATION L0002848 | VOLUME | 293171.253 |
| 6397942.530 411.92 | | |
| LOCATION L0002849 | VOLUME | 293190.478 |
| 6397944.933 412.06 | | |
| LOCATION L0002850 | VOLUME | 293209.703 |
| 6397947.336 412.19 | | |
| LOCATION L0002851 | VOLUME | 293228.927 |
| 6397949.739 412.31 | | |
| LOCATION L0002852 | VOLUME | 293248.152 |
| 6397952.142 412.18 | | |
| LOCATION L0002853 | VOLUME | 293267.376 |
| 6397954.546 411.79 | | |
| LOCATION L0002854 | VOLUME | 293286.601 |
| 6397956.949 411.38 | | |
| LOCATION L0002855 | VOLUME | 293305.826 |
| 6397959.352 410.96 | | |
| LOCATION L0002856 | VOLUME | 293325.050 |
| 6397961.755 410.40 | | |
| LOCATION L0002857 | VOLUME | 293344.089 |
| 6397965.331 409.60 | | |
| LOCATION L0002858 | VOLUME | 293363.116 |
| 6397968.982 408.83 | | |
| LOCATION L0002859 | VOLUME | 293382.143 |
| 6397972.634 408.09 | | |
| LOCATION L0002860 | VOLUME | 293401.170 |
| 6397976.286 407.35 | | |
| LOCATION L0002861 | VOLUME | 293420.197 |
| 6397979.937 406.52 | | |
| LOCATION L0002862 | VOLUME | 293439.224 |
| 6397983.589 405.66 | | |
| LOCATION L0002863 | VOLUME | 293458.251 |
| 6397987.240 404.76 | | |
| LOCATION L0002864 | VOLUME | 293477.278 |
| 6397990.892 403.90 | | |
| LOCATION L0002865 | VOLUME | 293496.305 |
| 6397994.544 403.33 | | |
| LOCATION L0002866 | VOLUME | 293515.332 |
| 6397998.195 402.78 | | |
| LOCATION L0002867 | VOLUME | 293534.359 |
| 6398001.847 402.25 | | |

** End of LINE VOLUME Source ID = SLINE15
 ** -----
 ** Line Source Represented by Separated Volume Sources
 ** LINE VOLUME Source ID = SLINE16
 ** DESCRSRC FUJII to ROM
 ** PREFIX
 ** Length of Side = 9.80
 ** Configuration = Separated
 ** Emission Rate = 1.0
 ** Vertical Dimension = 7.14
 ** SZINIT = 3.32
 ** Nodes = 4
 ** 293876.887, 6398368.450, 385.83, 3.57, 9.04
 ** 293891.945, 6398250.142, 382.61, 3.57, 9.04
 ** 293545.624, 6398118.928, 395.09, 3.57, 9.04
 ** 293562.833, 6398037.188, 399.97, 3.57, 9.04
 ** -----

LOCATION L0002868 VOLUME 293877.506
6398363.590 385.07
LOCATION L0002869 VOLUME 293879.958
6398344.320 384.90
LOCATION L0002870 VOLUME 293882.411
6398325.050 384.76
LOCATION L0002871 VOLUME 293884.863
6398305.780 384.24
LOCATION L0002872 VOLUME 293887.316
6398286.510 383.66
LOCATION L0002873 VOLUME 293889.769
6398267.240 383.11
LOCATION L0002874 VOLUME 293889.896
6398249.366 382.69
LOCATION L0002875 VOLUME 293871.731
6398242.484 383.07
LOCATION L0002876 VOLUME 293853.566
6398235.601 383.44
LOCATION L0002877 VOLUME 293835.400
6398228.719 383.95
LOCATION L0002878 VOLUME 293817.235
6398221.836 384.73
LOCATION L0002879 VOLUME 293799.069
6398214.954 385.50
LOCATION L0002880 VOLUME 293780.904
6398208.071 386.27
LOCATION L0002881 VOLUME 293762.739
6398201.189 387.04
LOCATION L0002882 VOLUME 293744.573
6398194.306 387.82
LOCATION L0002883 VOLUME 293726.408
6398187.423 388.59
LOCATION L0002884 VOLUME 293708.243
6398180.541 389.36
LOCATION L0002885 VOLUME 293690.077
6398173.658 389.78
LOCATION L0002886 VOLUME 293671.912
6398166.776 390.17
LOCATION L0002887 VOLUME 293653.747
6398159.893 390.63
LOCATION L0002888 VOLUME 293635.581
6398153.011 391.15
LOCATION L0002889 VOLUME 293617.416
6398146.128 391.90
LOCATION L0002890 VOLUME 293599.251
6398139.246 392.81
LOCATION L0002891 VOLUME 293581.085
6398132.363 393.72
LOCATION L0002892 VOLUME 293562.920
6398125.481 394.74
LOCATION L0002893 VOLUME 293545.816
6398118.018 395.75
LOCATION L0002894 VOLUME 293549.818
6398099.009 396.69
LOCATION L0002895 VOLUME 293553.819
6398080.000 397.56
LOCATION L0002896 VOLUME 293557.821
6398060.991 398.41
LOCATION L0002897 VOLUME 293561.823
6398041.982 399.24

** End of LINE VOLUME Source ID = SLINE16

** -----

** Line Source Represented by Separated Volume Sources

** LINE VOLUME Source ID = SLINE17

** DESCRSRC EGMONT to ROM

** PREFIX

** Length of Side = 9.80

** Configuration = Separated

** Emission Rate = 1.0

** Vertical Dimension = 7.14

** SZINIT = 3.32

** Nodes = 8

** 291839.835, 6397671.508, 415.10, 3.57, 9.08

** 291953.841, 6397815.629, 397.78, 3.57, 9.08

** 292059.243, 6397865.103, 393.04, 3.57, 9.08

** 292379.751, 6397880.160, 395.91, 3.57, 9.08

** 292569.044, 6397905.973, 405.83, 3.57, 9.08

** 292956.234, 6397923.181, 417.51, 3.57, 9.08

** 293313.310, 6397964.052, 412.06, 3.57, 9.08

** 293537.020, 6398004.922, 400.82, 3.57, 9.08

** -----

LOCATION L0002898 VOLUME 291842.875

6397675.351 414.99

LOCATION L0002899 VOLUME 291854.988

6397690.663 413.58

LOCATION L0002900 VOLUME 291867.101

6397705.976 412.31

LOCATION L0002901 VOLUME 291879.213

6397721.288 411.21

LOCATION L0002902 VOLUME 291891.326

6397736.600 409.36

LOCATION L0002903 VOLUME 291903.439

6397751.913 407.26

LOCATION L0002904 VOLUME 291915.552

6397767.225 405.12

LOCATION L0002905 VOLUME 291927.665

6397782.538 402.75

LOCATION L0002906 VOLUME 291939.778

6397797.850 400.64

LOCATION L0002907 VOLUME 291951.890

6397813.163 398.79

LOCATION L0002908 VOLUME 291968.669

6397822.588 397.24

LOCATION L0002909 VOLUME 291986.343

6397830.884 395.95

LOCATION L0002910 VOLUME 292004.017

6397839.180 394.96

LOCATION L0002911 VOLUME 292021.691

6397847.476 394.11

LOCATION L0002912 VOLUME 292039.365

6397855.772 393.39

LOCATION L0002913 VOLUME 292057.039

6397864.068 392.78

LOCATION L0002914 VOLUME 292076.313

6397865.905 392.34

LOCATION L0002915 VOLUME 292095.816

6397866.821 392.08

LOCATION L0002916 VOLUME 292115.318

6397867.737 391.83

LOCATION L0002917 VOLUME 292134.821

6397868.654 391.59

LOCATION L0002918 VOLUME 292154.324

6397869.570 391.54

LOCATION L0002919 VOLUME 292173.826

6397870.486 391.68

LOCATION L0002920 VOLUME 292193.329

6397871.402 391.82

LOCATION L0002921 VOLUME 292212.831

6397872.318 391.95

LOCATION L0002922 VOLUME 292232.334

6397873.235 392.28

LOCATION L0002923 VOLUME 292251.837

6397874.151 392.81

LOCATION L0002924 VOLUME 292271.339

6397875.067 393.35

| | | | | | |
|--------------------|--------|------------|--|--------|------------|
| LOCATION L0002925 | VOLUME | 292290.842 | LOCATION L0002959 | VOLUME | 292952.434 |
| 6397875.983 393.91 | | | 6397923.013 417.49 | | |
| LOCATION L0002926 | VOLUME | 292310.345 | LOCATION L0002960 | VOLUME | 292971.852 |
| 6397876.900 394.38 | | | 6397924.969 417.06 | | |
| LOCATION L0002927 | VOLUME | 292329.847 | LOCATION L0002961 | VOLUME | 292991.250 |
| 6397877.816 394.75 | | | 6397927.189 416.59 | | |
| LOCATION L0002928 | VOLUME | 292349.350 | LOCATION L0002962 | VOLUME | 293010.647 |
| 6397878.732 395.12 | | | 6397929.409 416.00 | | |
| LOCATION L0002929 | VOLUME | 292368.852 | LOCATION L0002963 | VOLUME | 293030.045 |
| 6397879.648 395.47 | | | 6397931.630 415.18 | | |
| LOCATION L0002930 | VOLUME | 292388.286 | LOCATION L0002964 | VOLUME | 293049.442 |
| 6397881.324 396.25 | | | 6397933.850 414.36 | | |
| LOCATION L0002931 | VOLUME | 292407.631 | LOCATION L0002965 | VOLUME | 293068.840 |
| 6397883.962 397.56 | | | 6397936.070 413.55 | | |
| LOCATION L0002932 | VOLUME | 292426.976 | LOCATION L0002966 | VOLUME | 293088.237 |
| 6397886.600 398.88 | | | 6397938.290 412.91 | | |
| LOCATION L0002933 | VOLUME | 292446.321 | LOCATION L0002967 | VOLUME | 293107.635 |
| 6397889.238 400.19 | | | 6397940.510 412.60 | | |
| LOCATION L0002934 | VOLUME | 292465.666 | LOCATION L0002968 | VOLUME | 293127.032 |
| 6397891.876 401.43 | | | 6397942.731 412.27 | | |
| LOCATION L0002935 | VOLUME | 292485.011 | LOCATION L0002969 | VOLUME | 293146.430 |
| 6397894.514 402.60 | | | 6397944.951 411.91 | | |
| LOCATION L0002936 | VOLUME | 292504.356 | LOCATION L0002970 | VOLUME | 293165.827 |
| 6397897.152 403.79 | | | 6397947.171 411.65 | | |
| LOCATION L0002937 | VOLUME | 292523.701 | LOCATION L0002971 | VOLUME | 293185.225 |
| 6397899.790 405.00 | | | 6397949.391 411.79 | | |
| LOCATION L0002938 | VOLUME | 292543.046 | LOCATION L0002972 | VOLUME | 293204.622 |
| 6397902.428 406.14 | | | 6397951.611 411.91 | | |
| LOCATION L0002939 | VOLUME | 292562.391 | LOCATION L0002973 | VOLUME | 293224.020 |
| 6397905.066 407.15 | | | 6397953.832 412.03 | | |
| LOCATION L0002940 | VOLUME | 292581.841 | LOCATION L0002974 | VOLUME | 293243.417 |
| 6397906.542 408.11 | | | 6397956.052 412.03 | | |
| LOCATION L0002941 | VOLUME | 292601.346 | LOCATION L0002975 | VOLUME | 293262.815 |
| 6397907.409 409.04 | | | 6397958.272 411.64 | | |
| LOCATION L0002942 | VOLUME | 292620.851 | LOCATION L0002976 | VOLUME | 293282.212 |
| 6397908.276 409.84 | | | 6397960.492 411.23 | | |
| LOCATION L0002943 | VOLUME | 292640.356 | LOCATION L0002977 | VOLUME | 293301.609 |
| 6397909.142 410.42 | | | 6397962.712 410.81 | | |
| LOCATION L0002944 | VOLUME | 292659.861 | LOCATION L0002978 | VOLUME | 293320.931 |
| 6397910.009 410.99 | | | 6397965.444 410.29 | | |
| LOCATION L0002945 | VOLUME | 292679.366 | LOCATION L0002979 | VOLUME | 293340.137 |
| 6397910.876 411.56 | | | 6397968.953 409.51 | | |
| LOCATION L0002946 | VOLUME | 292698.871 | LOCATION L0002980 | VOLUME | 293359.344 |
| 6397911.743 412.19 | | | 6397972.462 408.75 | | |
| LOCATION L0002947 | VOLUME | 292718.375 | LOCATION L0002981 | VOLUME | 293378.550 |
| 6397912.610 412.92 | | | 6397975.970 408.03 | | |
| LOCATION L0002948 | VOLUME | 292737.880 | LOCATION L0002982 | VOLUME | 293397.756 |
| 6397913.477 413.66 | | | 6397979.479 407.33 | | |
| LOCATION L0002949 | VOLUME | 292757.385 | LOCATION L0002983 | VOLUME | 293416.962 |
| 6397914.344 414.41 | | | 6397982.988 406.48 | | |
| LOCATION L0002950 | VOLUME | 292776.890 | LOCATION L0002984 | VOLUME | 293436.168 |
| 6397915.211 415.11 | | | 6397986.497 405.61 | | |
| LOCATION L0002951 | VOLUME | 292796.395 | LOCATION L0002985 | VOLUME | 293455.375 |
| 6397916.077 415.72 | | | 6397990.006 404.70 | | |
| LOCATION L0002952 | VOLUME | 292815.900 | LOCATION L0002986 | VOLUME | 293474.581 |
| 6397916.944 416.32 | | | 6397993.515 403.78 | | |
| LOCATION L0002953 | VOLUME | 292835.405 | LOCATION L0002987 | VOLUME | 293493.787 |
| 6397917.811 416.92 | | | 6397997.023 403.22 | | |
| LOCATION L0002954 | VOLUME | 292854.910 | LOCATION L0002988 | VOLUME | 293512.993 |
| 6397918.678 417.37 | | | 6398000.532 402.68 | | |
| LOCATION L0002955 | VOLUME | 292874.414 | LOCATION L0002989 | VOLUME | 293532.200 |
| 6397919.545 417.56 | | | 6398004.041 402.16 | | |
| LOCATION L0002956 | VOLUME | 292893.919 | ** End of LINE VOLUME Source ID = SLINE17 | | |
| 6397920.412 417.73 | | | ** ----- | | |
| LOCATION L0002957 | VOLUME | 292913.424 | ----- | | |
| 6397921.279 417.90 | | | ** Line Source Represented by Separated Volume | | |
| LOCATION L0002958 | VOLUME | 292932.929 | Sources | | |
| 6397922.146 417.87 | | | ** LINE VOLUME Source ID = SLINE18 | | |
| | | | ** DESCRSRC HAUL | | |

```

** PREFIX
** Length of Side = 11.50
** Configuration = Separated
** Emission Rate = 1.0
** Vertical Dimension = 7.99
** SZINIT = 3.72
** Nodes = 13
** 293844.621, 6397901.671, 389.62, 4.00,
10.65
** 294548.017, 6397895.218, 369.38, 4.00,
10.65
** 294685.685, 6398101.719, 366.52, 4.00,
10.65
** 294771.727, 6398417.925, 359.27, 4.00,
10.65
** 294797.540, 6398738.433, 352.26, 4.00,
10.65
** 294747.342, 6399073.165, 347.90, 4.00,
10.65
** 294673.531, 6399287.889, 344.81, 4.00,
10.65
** 294686.951, 6399422.092, 343.30, 4.00,
10.65
** 294754.052, 6399536.164, 341.10, 4.00,
10.65
** 294868.124, 6399616.685, 338.88, 4.00,
10.65
** 295210.341, 6399663.656, 332.80, 4.00,
10.65
** 295760.571, 6399730.757, 325.43, 4.00,
10.65
** 296740.249, 6399730.757, 318.61, 4.00,
10.65
** -----
LOCATION L0003082 VOLUME 293850.371
6397901.618 389.96
LOCATION L0003083 VOLUME 293873.263
6397901.408 388.67
LOCATION L0003084 VOLUME 293896.154
6397901.198 387.46
LOCATION L0003085 VOLUME 293919.046
6397900.988 386.24
LOCATION L0003086 VOLUME 293941.937
6397900.778 385.02
LOCATION L0003087 VOLUME 293964.829
6397900.568 384.33
LOCATION L0003088 VOLUME 293987.720
6397900.358 383.73
LOCATION L0003089 VOLUME 294010.612
6397900.148 383.13
LOCATION L0003090 VOLUME 294033.503
6397899.938 382.43
LOCATION L0003091 VOLUME 294056.395
6397899.728 381.61
LOCATION L0003092 VOLUME 294079.286
6397899.518 380.80
LOCATION L0003093 VOLUME 294102.178
6397899.308 380.00
LOCATION L0003094 VOLUME 294125.069
6397899.098 379.33
LOCATION L0003095 VOLUME 294147.961
6397898.888 378.66
LOCATION L0003096 VOLUME 294170.852
6397898.678 377.98
LOCATION L0003097 VOLUME 294193.744
6397898.468 377.52
LOCATION L0003098 VOLUME 294216.636
6397898.258 377.21
LOCATION L0003099 VOLUME 294239.527
6397898.048 376.90
LOCATION L0003100 VOLUME 294262.419
6397897.838 376.60
LOCATION L0003101 VOLUME 294285.310
6397897.628 376.29
LOCATION L0003102 VOLUME 294308.202
6397897.418 375.98
LOCATION L0003103 VOLUME 294331.093
6397897.208 375.67
LOCATION L0003104 VOLUME 294353.985
6397896.998 375.24
LOCATION L0003105 VOLUME 294376.876
6397896.788 374.77
LOCATION L0003106 VOLUME 294399.768
6397896.578 374.31
LOCATION L0003107 VOLUME 294422.659
6397896.368 373.77
LOCATION L0003108 VOLUME 294445.551
6397896.158 373.03
LOCATION L0003109 VOLUME 294468.442
6397895.948 372.30
LOCATION L0003110 VOLUME 294491.334
6397895.738 371.57
LOCATION L0003111 VOLUME 294514.226
6397895.528 370.79
LOCATION L0003112 VOLUME 294537.117
6397895.318 369.99
LOCATION L0003113 VOLUME 294554.669
6397905.196 369.24
LOCATION L0003114 VOLUME 294567.368
6397924.243 368.58
LOCATION L0003115 VOLUME 294580.066
6397943.291 368.28
LOCATION L0003116 VOLUME 294592.765
6397962.339 368.29
LOCATION L0003117 VOLUME 294605.463
6397981.386 368.47
LOCATION L0003118 VOLUME 294618.162
6398000.434 368.54
LOCATION L0003119 VOLUME 294630.860
6398019.482 368.47
LOCATION L0003120 VOLUME 294643.558
6398038.529 368.26
LOCATION L0003121 VOLUME 294656.257
6398057.577 367.78
LOCATION L0003122 VOLUME 294668.955
6398076.625 367.30
LOCATION L0003123 VOLUME 294681.654
6398095.673 366.88
LOCATION L0003124 VOLUME 294689.788
6398116.796 366.61
LOCATION L0003125 VOLUME 294695.798
6398138.886 366.41
LOCATION L0003126 VOLUME 294701.809
6398160.975 366.05
LOCATION L0003127 VOLUME 294707.820
6398183.064 365.25
LOCATION L0003128 VOLUME 294713.830
6398205.154 364.46
LOCATION L0003129 VOLUME 294719.841
6398227.243 363.66
LOCATION L0003130 VOLUME 294725.852
6398249.332 363.04
LOCATION L0003131 VOLUME 294731.862
6398271.422 362.81
LOCATION L0003132 VOLUME 294737.873
6398293.511 362.50

```

| | | | | | |
|-------------------|--------|------------|-------------------|--------|------------|
| LOCATION L0003133 | VOLUME | 294743.884 | LOCATION L0003167 | VOLUME | 294743.350 |
| 6398315.600 | 362.12 | | 6399084.777 | 347.94 | |
| LOCATION L0003134 | VOLUME | 294749.895 | LOCATION L0003168 | VOLUME | 294735.909 |
| 6398337.690 | 361.66 | | 6399106.426 | 347.66 | |
| LOCATION L0003135 | VOLUME | 294755.905 | LOCATION L0003169 | VOLUME | 294728.467 |
| 6398359.779 | 360.99 | | 6399128.075 | 347.29 | |
| LOCATION L0003136 | VOLUME | 294761.916 | LOCATION L0003170 | VOLUME | 294721.025 |
| 6398381.868 | 360.35 | | 6399149.724 | 346.84 | |
| LOCATION L0003137 | VOLUME | 294767.927 | LOCATION L0003171 | VOLUME | 294713.583 |
| 6398403.958 | 359.74 | | 6399171.373 | 346.30 | |
| LOCATION L0003138 | VOLUME | 294772.403 | LOCATION L0003172 | VOLUME | 294706.141 |
| 6398426.315 | 359.17 | | 6399193.023 | 345.86 | |
| LOCATION L0003139 | VOLUME | 294774.241 | LOCATION L0003173 | VOLUME | 294698.699 |
| 6398449.134 | 358.65 | | 6399214.672 | 345.59 | |
| LOCATION L0003140 | VOLUME | 294776.079 | LOCATION L0003174 | VOLUME | 294691.257 |
| 6398471.952 | 358.16 | | 6399236.321 | 345.58 | |
| LOCATION L0003141 | VOLUME | 294777.916 | LOCATION L0003175 | VOLUME | 294683.815 |
| 6398494.771 | 357.67 | | 6399257.970 | 345.66 | |
| LOCATION L0003142 | VOLUME | 294779.754 | LOCATION L0003176 | VOLUME | 294676.373 |
| 6398517.589 | 357.18 | | 6399279.619 | 345.61 | |
| LOCATION L0003143 | VOLUME | 294781.592 | LOCATION L0003177 | VOLUME | 294674.938 |
| 6398540.408 | 356.84 | | 6399301.966 | 345.25 | |
| LOCATION L0003144 | VOLUME | 294783.429 | LOCATION L0003178 | VOLUME | 294677.216 |
| 6398563.227 | 356.59 | | 6399324.745 | 344.79 | |
| LOCATION L0003145 | VOLUME | 294785.267 | LOCATION L0003179 | VOLUME | 294679.494 |
| 6398586.045 | 356.35 | | 6399347.524 | 344.37 | |
| LOCATION L0003146 | VOLUME | 294787.105 | LOCATION L0003180 | VOLUME | 294681.772 |
| 6398608.864 | 356.10 | | 6399370.303 | 344.01 | |
| LOCATION L0003147 | VOLUME | 294788.943 | LOCATION L0003181 | VOLUME | 294684.050 |
| 6398631.683 | 355.43 | | 6399393.082 | 343.70 | |
| LOCATION L0003148 | VOLUME | 294790.780 | LOCATION L0003182 | VOLUME | 294686.328 |
| 6398654.501 | 354.44 | | 6399415.861 | 343.40 | |
| LOCATION L0003149 | VOLUME | 294792.618 | LOCATION L0003183 | VOLUME | 294695.383 |
| 6398677.320 | 353.46 | | 6399436.426 | 343.13 | |
| LOCATION L0003150 | VOLUME | 294794.456 | LOCATION L0003184 | VOLUME | 294706.990 |
| 6398700.138 | 352.47 | | 6399456.158 | 342.78 | |
| LOCATION L0003151 | VOLUME | 294796.294 | LOCATION L0003185 | VOLUME | 294718.597 |
| 6398722.957 | 351.87 | | 6399475.890 | 342.42 | |
| LOCATION L0003152 | VOLUME | 294796.447 | LOCATION L0003186 | VOLUME | 294730.204 |
| 6398745.718 | 351.62 | | 6399495.622 | 342.05 | |
| LOCATION L0003153 | VOLUME | 294793.052 | LOCATION L0003187 | VOLUME | 294741.811 |
| 6398768.357 | 351.38 | | 6399515.353 | 341.69 | |
| LOCATION L0003154 | VOLUME | 294789.657 | LOCATION L0003188 | VOLUME | 294753.418 |
| 6398790.997 | 351.13 | | 6399535.085 | 341.33 | |
| LOCATION L0003155 | VOLUME | 294786.262 | LOCATION L0003189 | VOLUME | 294771.732 |
| 6398813.636 | 350.80 | | 6399548.644 | 340.95 | |
| LOCATION L0003156 | VOLUME | 294782.867 | LOCATION L0003190 | VOLUME | 294790.435 |
| 6398836.275 | 350.36 | | 6399561.846 | 340.57 | |
| LOCATION L0003157 | VOLUME | 294779.472 | LOCATION L0003191 | VOLUME | 294809.137 |
| 6398858.915 | 349.95 | | 6399575.047 | 340.19 | |
| LOCATION L0003158 | VOLUME | 294776.077 | LOCATION L0003192 | VOLUME | 294827.840 |
| 6398881.554 | 349.55 | | 6399588.249 | 339.80 | |
| LOCATION L0003159 | VOLUME | 294772.682 | LOCATION L0003193 | VOLUME | 294846.542 |
| 6398904.193 | 349.28 | | 6399601.451 | 339.42 | |
| LOCATION L0003160 | VOLUME | 294769.287 | LOCATION L0003194 | VOLUME | 294865.244 |
| 6398926.833 | 349.22 | | 6399614.653 | 338.89 | |
| LOCATION L0003161 | VOLUME | 294765.892 | LOCATION L0003195 | VOLUME | 294887.312 |
| 6398949.472 | 349.19 | | 6399619.319 | 338.32 | |
| LOCATION L0003162 | VOLUME | 294762.496 | LOCATION L0003196 | VOLUME | 294909.992 |
| 6398972.111 | 349.20 | | 6399622.432 | 337.75 | |
| LOCATION L0003163 | VOLUME | 294759.101 | LOCATION L0003197 | VOLUME | 294932.672 |
| 6398994.751 | 349.18 | | 6399625.545 | 337.26 | |
| LOCATION L0003164 | VOLUME | 294755.706 | LOCATION L0003198 | VOLUME | 294955.351 |
| 6399017.390 | 348.97 | | 6399628.658 | 337.14 | |
| LOCATION L0003165 | VOLUME | 294752.311 | LOCATION L0003199 | VOLUME | 294978.031 |
| 6399040.029 | 348.68 | | 6399631.771 | 337.06 | |
| LOCATION L0003166 | VOLUME | 294748.916 | LOCATION L0003200 | VOLUME | 295000.711 |
| 6399062.669 | 348.32 | | 6399634.884 | 337.01 | |

| | | | | | |
|-------------------|--------|------------|-------------------|--------|------------|
| LOCATION L0003201 | VOLUME | 295023.391 | LOCATION L0003235 | VOLUME | 295795.907 |
| 6399637.996 | 336.78 | | 6399730.757 | 325.31 | |
| LOCATION L0003202 | VOLUME | 295046.071 | LOCATION L0003236 | VOLUME | 295818.799 |
| 6399641.109 | 336.48 | | 6399730.757 | 325.14 | |
| LOCATION L0003203 | VOLUME | 295068.751 | LOCATION L0003237 | VOLUME | 295841.692 |
| 6399644.222 | 336.19 | | 6399730.757 | 324.98 | |
| LOCATION L0003204 | VOLUME | 295091.431 | LOCATION L0003238 | VOLUME | 295864.584 |
| 6399647.335 | 335.90 | | 6399730.757 | 324.83 | |
| LOCATION L0003205 | VOLUME | 295114.110 | LOCATION L0003239 | VOLUME | 295887.477 |
| 6399650.448 | 335.55 | | 6399730.757 | 324.72 | |
| LOCATION L0003206 | VOLUME | 295136.790 | LOCATION L0003240 | VOLUME | 295910.369 |
| 6399653.561 | 335.16 | | 6399730.757 | 324.61 | |
| LOCATION L0003207 | VOLUME | 295159.470 | LOCATION L0003241 | VOLUME | 295933.262 |
| 6399656.674 | 334.75 | | 6399730.757 | 324.50 | |
| LOCATION L0003208 | VOLUME | 295182.150 | LOCATION L0003242 | VOLUME | 295956.154 |
| 6399659.787 | 334.13 | | 6399730.757 | 324.10 | |
| LOCATION L0003209 | VOLUME | 295204.830 | LOCATION L0003243 | VOLUME | 295979.047 |
| 6399662.900 | 333.49 | | 6399730.757 | 323.45 | |
| LOCATION L0003210 | VOLUME | 295227.543 | LOCATION L0003244 | VOLUME | 296001.939 |
| 6399665.754 | 332.86 | | 6399730.757 | 322.81 | |
| LOCATION L0003211 | VOLUME | 295250.267 | LOCATION L0003245 | VOLUME | 296024.832 |
| 6399668.525 | 332.39 | | 6399730.757 | 322.18 | |
| LOCATION L0003212 | VOLUME | 295272.992 | LOCATION L0003246 | VOLUME | 296047.724 |
| 6399671.297 | 332.13 | | 6399730.757 | 321.68 | |
| LOCATION L0003213 | VOLUME | 295295.716 | LOCATION L0003247 | VOLUME | 296070.617 |
| 6399674.068 | 331.89 | | 6399730.757 | 321.17 | |
| LOCATION L0003214 | VOLUME | 295318.440 | LOCATION L0003248 | VOLUME | 296093.509 |
| 6399676.839 | 331.66 | | 6399730.757 | 320.65 | |
| LOCATION L0003215 | VOLUME | 295341.164 | LOCATION L0003249 | VOLUME | 296116.402 |
| 6399679.610 | 331.24 | | 6399730.757 | 320.28 | |
| LOCATION L0003216 | VOLUME | 295363.888 | LOCATION L0003250 | VOLUME | 296139.294 |
| 6399682.382 | 330.81 | | 6399730.757 | 319.98 | |
| LOCATION L0003217 | VOLUME | 295386.612 | LOCATION L0003251 | VOLUME | 296162.187 |
| 6399685.153 | 330.36 | | 6399730.757 | 319.67 | |
| LOCATION L0003218 | VOLUME | 295409.336 | LOCATION L0003252 | VOLUME | 296185.079 |
| 6399687.924 | 329.70 | | 6399730.757 | 319.43 | |
| LOCATION L0003219 | VOLUME | 295432.061 | LOCATION L0003253 | VOLUME | 296207.972 |
| 6399690.695 | 328.92 | | 6399730.757 | 319.34 | |
| LOCATION L0003220 | VOLUME | 295454.785 | LOCATION L0003254 | VOLUME | 296230.864 |
| 6399693.467 | 328.16 | | 6399730.757 | 319.24 | |
| LOCATION L0003221 | VOLUME | 295477.509 | LOCATION L0003255 | VOLUME | 296253.757 |
| 6399696.238 | 327.53 | | 6399730.757 | 319.14 | |
| LOCATION L0003222 | VOLUME | 295500.233 | LOCATION L0003256 | VOLUME | 296276.649 |
| 6399699.009 | 327.79 | | 6399730.757 | 318.61 | |
| LOCATION L0003223 | VOLUME | 295522.957 | LOCATION L0003257 | VOLUME | 296299.542 |
| 6399701.780 | 328.06 | | 6399730.757 | 318.01 | |
| LOCATION L0003224 | VOLUME | 295545.681 | LOCATION L0003258 | VOLUME | 296322.434 |
| 6399704.551 | 328.33 | | 6399730.757 | 317.41 | |
| LOCATION L0003225 | VOLUME | 295568.405 | LOCATION L0003259 | VOLUME | 296345.327 |
| 6399707.323 | 328.27 | | 6399730.757 | 316.64 | |
| LOCATION L0003226 | VOLUME | 295591.130 | LOCATION L0003260 | VOLUME | 296368.219 |
| 6399710.094 | 328.06 | | 6399730.757 | 315.63 | |
| LOCATION L0003227 | VOLUME | 295613.854 | LOCATION L0003261 | VOLUME | 296391.112 |
| 6399712.865 | 327.83 | | 6399730.757 | 314.64 | |
| LOCATION L0003228 | VOLUME | 295636.578 | LOCATION L0003262 | VOLUME | 296414.004 |
| 6399715.636 | 327.69 | | 6399730.757 | 313.68 | |
| LOCATION L0003229 | VOLUME | 295659.302 | LOCATION L0003263 | VOLUME | 296436.897 |
| 6399718.408 | 327.84 | | 6399730.757 | 313.77 | |
| LOCATION L0003230 | VOLUME | 295682.026 | LOCATION L0003264 | VOLUME | 296459.789 |
| 6399721.179 | 328.02 | | 6399730.757 | 313.86 | |
| LOCATION L0003231 | VOLUME | 295704.750 | LOCATION L0003265 | VOLUME | 296482.682 |
| 6399723.950 | 328.20 | | 6399730.757 | 313.96 | |
| LOCATION L0003232 | VOLUME | 295727.474 | LOCATION L0003266 | VOLUME | 296505.574 |
| 6399726.721 | 327.55 | | 6399730.757 | 314.45 | |
| LOCATION L0003233 | VOLUME | 295750.199 | LOCATION L0003267 | VOLUME | 296528.467 |
| 6399729.493 | 326.71 | | 6399730.757 | 315.23 | |
| LOCATION L0003234 | VOLUME | 295773.014 | LOCATION L0003268 | VOLUME | 296551.359 |
| 6399730.757 | 325.88 | | 6399730.757 | 316.00 | |

| | | | | | |
|--|--------|------------|---|--------|------------|
| LOCATION L0003269 | VOLUME | 296574.252 | LOCATION L0003747 | VOLUME | 293009.705 |
| 6399730.757 316.70 | | | 6397810.474 419.28 | | |
| LOCATION L0003270 | VOLUME | 296597.144 | LOCATION L0003748 | VOLUME | 293009.513 |
| 6399730.757 317.10 | | | 6397790.935 418.88 | | |
| LOCATION L0003271 | VOLUME | 296620.037 | LOCATION L0003749 | VOLUME | 293009.322 |
| 6399730.757 317.50 | | | 6397771.395 418.48 | | |
| LOCATION L0003272 | VOLUME | 296642.929 | LOCATION L0003750 | VOLUME | 293009.130 |
| 6399730.757 317.90 | | | 6397751.856 418.06 | | |
| LOCATION L0003273 | VOLUME | 296665.822 | LOCATION L0003751 | VOLUME | 293008.939 |
| 6399730.757 318.22 | | | 6397732.316 416.32 | | |
| LOCATION L0003274 | VOLUME | 296688.714 | LOCATION L0003752 | VOLUME | 293008.747 |
| 6399730.757 318.51 | | | 6397712.777 414.40 | | |
| LOCATION L0003275 | VOLUME | 296711.607 | LOCATION L0003753 | VOLUME | 293008.555 |
| 6399730.757 318.81 | | | 6397693.237 412.48 | | |
| LOCATION L0003276 | VOLUME | 296734.499 | LOCATION L0003754 | VOLUME | 293008.364 |
| 6399730.757 318.90 | | | 6397673.698 410.55 | | |
| ** End of LINE VOLUME Source ID = SLINE18 | | | LOCATION L0003755 | VOLUME | 293008.172 |
| ** ----- | | | 6397654.158 408.56 | | |
| ----- | | | LOCATION L0003756 | VOLUME | 293007.981 |
| ** Line Source Represented by Separated Volume | | | 6397634.619 406.23 | | |
| Sources | | | LOCATION L0003757 | VOLUME | 293007.789 |
| ** LINE VOLUME Source ID = SLINE19 | | | 6397615.079 403.91 | | |
| ** DESCRSRC TSF Pit to TSF | | | LOCATION L0003758 | VOLUME | 293007.598 |
| ** PREFIX | | | 6397595.540 401.59 | | |
| ** Length of Side = 9.80 | | | LOCATION L0003759 | VOLUME | 293007.406 |
| ** Configuration = Separated | | | 6397576.000 399.27 | | |
| ** Emission Rate = 1.0 | | | LOCATION L0003760 | VOLUME | 293007.214 |
| ** Vertical Dimension = 7.14 | | | 6397556.461 397.04 | | |
| ** SZINIT = 3.32 | | | LOCATION L0003761 | VOLUME | 293007.023 |
| ** Nodes = 4 | | | 6397536.921 394.92 | | |
| ** 293109.020, 6397772.236, 418.32, 3.57, 9.09 | | | LOCATION L0003762 | VOLUME | 293006.831 |
| ** 293037.305, 6397926.989, 415.52, 3.57, 9.09 | | | 6397517.382 392.80 | | |
| ** 293010.884, 6397930.763, 416.01, 3.57, 9.09 | | | LOCATION L0003763 | VOLUME | 293006.640 |
| ** 293003.335, 6397160.771, 367.46, 3.57, 9.09 | | | 6397497.842 390.68 | | |
| ** ----- | | | LOCATION L0003764 | VOLUME | 293006.448 |
| ----- | | | 6397478.303 388.56 | | |
| LOCATION L0003731 | VOLUME | 293106.960 | LOCATION L0003765 | VOLUME | 293006.257 |
| 6397776.681 418.99 | | | 6397458.763 386.88 | | |
| LOCATION L0003732 | VOLUME | 293098.744 | LOCATION L0003766 | VOLUME | 293006.065 |
| 6397794.411 418.70 | | | 6397439.224 385.39 | | |
| LOCATION L0003733 | VOLUME | 293090.528 | LOCATION L0003767 | VOLUME | 293005.874 |
| 6397812.140 418.40 | | | 6397419.684 383.90 | | |
| LOCATION L0003734 | VOLUME | 293082.312 | LOCATION L0003768 | VOLUME | 293005.682 |
| 6397829.869 418.21 | | | 6397400.145 382.42 | | |
| LOCATION L0003735 | VOLUME | 293074.096 | LOCATION L0003769 | VOLUME | 293005.490 |
| 6397847.598 418.06 | | | 6397380.605 380.93 | | |
| LOCATION L0003736 | VOLUME | 293065.880 | LOCATION L0003770 | VOLUME | 293005.299 |
| 6397865.328 417.34 | | | 6397361.066 379.47 | | |
| LOCATION L0003737 | VOLUME | 293057.664 | LOCATION L0003771 | VOLUME | 293005.107 |
| 6397883.057 416.66 | | | 6397341.526 378.02 | | |
| LOCATION L0003738 | VOLUME | 293049.448 | LOCATION L0003772 | VOLUME | 293004.916 |
| 6397900.786 416.02 | | | 6397321.987 376.57 | | |
| LOCATION L0003739 | VOLUME | 293041.232 | LOCATION L0003773 | VOLUME | 293004.724 |
| 6397918.515 415.42 | | | 6397302.447 375.12 | | |
| LOCATION L0003740 | VOLUME | 293027.207 | LOCATION L0003774 | VOLUME | 293004.533 |
| 6397928.432 415.44 | | | 6397282.908 373.72 | | |
| LOCATION L0003741 | VOLUME | 293010.854 | LOCATION L0003775 | VOLUME | 293004.341 |
| 6397927.711 416.06 | | | 6397263.368 372.49 | | |
| LOCATION L0003742 | VOLUME | 293010.663 | LOCATION L0003776 | VOLUME | 293004.149 |
| 6397908.172 416.95 | | | 6397243.829 371.27 | | |
| LOCATION L0003743 | VOLUME | 293010.471 | LOCATION L0003777 | VOLUME | 293003.958 |
| 6397888.632 417.83 | | | 6397224.289 370.04 | | |
| LOCATION L0003744 | VOLUME | 293010.279 | LOCATION L0003778 | VOLUME | 293003.766 |
| 6397869.093 418.70 | | | 6397204.750 368.82 | | |
| LOCATION L0003745 | VOLUME | 293010.088 | LOCATION L0003779 | VOLUME | 293003.575 |
| 6397849.553 419.58 | | | 6397185.210 367.85 | | |
| LOCATION L0003746 | VOLUME | 293009.896 | LOCATION L0003780 | VOLUME | 293003.383 |
| 6397830.014 419.67 | | | 6397165.671 367.13 | | |
| | | | ** End of LINE VOLUME Source ID = SLINE19 | | |

** Source Parameters **

| | | | | | |
|----------------|-------------|-------------|------------------|--------------|-------------|
| SRCPARAM VES | 7.5514E-06 | 0.000 | AREAVERT FUJI1 | 293818.639 | 6398403.658 |
| 21 | | | 293818.639 | 6398431.855 | |
| AREAVERT VES | 292652.807 | 6398495.522 | AREAVERT FUJI1 | 293785.539 | 6398483.344 |
| 292576.356 | 6398512.086 | | 293697.271 | 6398502.959 | |
| AREAVERT VES | 292539.404 | 6398459.845 | AREAVERT FUJI1 | 293615.133 | 6398500.507 |
| 292566.162 | 6398408.877 | | 293580.806 | 6398467.407 | |
| AREAVERT VES | 292603.114 | 6398368.103 | SRCPARAM FUJI2 | 0.0000181516 | 0.000 |
| 292609.485 | 6398346.442 | | 21 | | |
| AREAVERT VES | 292590.372 | 6398261.072 | AREAVERT FUJI2 | 294324.953 | 6398315.390 |
| 292590.372 | 6398243.234 | | 294245.267 | 6398225.896 | |
| AREAVERT VES | 292617.130 | 6398185.895 | AREAVERT FUJI2 | 294188.874 | 6398240.608 |
| 292564.888 | 6398165.508 | | 294116.543 | 6398234.478 | |
| AREAVERT VES | 292631.146 | 6398101.799 | AREAVERT FUJI2 | 294058.924 | 6398263.901 |
| 292729.258 | 6398073.767 | | 294052.794 | 6398343.587 | |
| AREAVERT VES | 292808.257 | 6398087.783 | AREAVERT FUJI2 | 293981.689 | 6398342.361 |
| 292947.143 | 6398161.686 | | 293978.012 | 6398292.097 | |
| AREAVERT VES | 292991.739 | 6398175.702 | AREAVERT FUJI2 | 294035.631 | 6398250.415 |
| 292966.256 | 6398205.008 | | 294106.735 | 6398222.219 | |
| AREAVERT VES | 292998.110 | 6398226.669 | AREAVERT FUJI2 | 294101.832 | 6398191.570 |
| 292842.660 | 6398407.603 | | 294150.869 | 6398141.306 | |
| AREAVERT VES | 292837.563 | 6398457.296 | AREAVERT FUJI2 | 294271.012 | 6398120.465 |
| 292733.080 | 6398551.586 | | 294321.275 | 6398054.265 | |
| AREAVERT VES | 292670.645 | 6398494.248 | AREAVERT FUJI2 | 294362.957 | 6398037.101 |
| SRCPARAM FUJI1 | 5.3155E-06 | 0.000 | 294479.422 | 6398049.361 | |
| 48 | | | AREAVERT FUJI2 | 294478.196 | 6398060.394 |
| AREAVERT FUJI1 | 293582.032 | 6398477.215 | 294446.321 | 6398068.976 | |
| 293491.313 | 6398571.612 | | AREAVERT FUJI2 | 294408.317 | 6398103.302 |
| AREAVERT FUJI1 | 293341.748 | 6398650.072 | 294399.736 | 6398222.219 | |
| 293258.384 | 6398691.754 | | AREAVERT FUJI2 | 294375.217 | 6398283.516 |
| AREAVERT FUJI1 | 293209.346 | 6398690.528 | SRCPARAM EGM | 0.0000508032 | 0.000 |
| 293119.852 | 6398729.759 | | 8 | | |
| AREAVERT FUJI1 | 293019.325 | 6398773.893 | AREAVERT EGM | 291842.427 | 6397716.996 |
| 293014.421 | 6398755.503 | | 291788.911 | 6397731.012 | |
| AREAVERT FUJI1 | 293072.040 | 6398700.336 | AREAVERT EGM | 291721.379 | 6397676.222 |
| 293132.112 | 6398681.947 | | 291717.557 | 6397630.352 | |
| AREAVERT FUJI1 | 293307.421 | 6398500.507 | AREAVERT EGM | 291765.976 | 6397556.449 |
| 293307.421 | 6398485.796 | | 291819.491 | 6397542.433 | |
| AREAVERT FUJI1 | 293215.476 | 6398485.796 | AREAVERT EGM | 291848.798 | 6397527.143 |
| 293152.953 | 6398501.733 | | 291851.346 | 6397692.787 | |
| AREAVERT FUJI1 | 293123.530 | 6398536.060 | SRCPARAM TSF_PIT | 0.00001175 | 0.000 |
| 293057.329 | 6398542.189 | | 815.900 | 104.310 | 0.000 |
| AREAVERT FUJI1 | 293040.166 | 6398493.152 | SRCPARAM WRD_01 | 0.57 | 4.200 |
| 293042.618 | 6398412.240 | | 94.230 | 1.050 | |
| AREAVERT FUJI1 | 292982.547 | 6398429.403 | SRCPARAM WRD_02 | 0.34 | 4.200 |
| 292899.183 | 6398429.403 | | 72.007 | 1.050 | |
| AREAVERT FUJI1 | 292847.693 | 6398412.240 | SRCPARAM WRD_03 | 0.03 | 4.200 |
| 292891.827 | 6398354.620 | | 22.223 | 1.050 | |
| AREAVERT FUJI1 | 293216.702 | 6398344.813 | SRCPARAM WRD_04 | 0.03 | 4.200 |
| 293281.676 | 6398311.712 | | 21.040 | 1.050 | |
| AREAVERT FUJI1 | 293380.978 | 6398310.486 | SRCPARAM WRD_05 | 0.03 | 4.200 |
| 293559.965 | 6398316.616 | | 21.040 | 1.050 | |
| AREAVERT FUJI1 | 293562.417 | 6398350.942 | SRCPARAM ROM | 1.0 | 4.200 |
| 293585.710 | 6398370.558 | | | | |
| AREAVERT FUJI1 | 293633.522 | 6398369.332 | | | |
| 293655.589 | 6398401.206 | | | | |
| AREAVERT FUJI1 | 293681.334 | 6398399.980 | | | |
| 293692.367 | 6398385.269 | | | | |
| AREAVERT FUJI1 | 293737.727 | 6398363.202 | | | |
| 293808.832 | 6398339.909 | | | | |
| AREAVERT FUJI1 | 293807.606 | 6398330.101 | | | |
| 293841.932 | 6398330.101 | | | | |
| AREAVERT FUJI1 | 293837.028 | 6398363.202 | | | |
| 293889.744 | 6398369.332 | | | | |
| AREAVERT FUJI1 | 293908.133 | 6398386.495 | | | |
| 293883.614 | 6398423.273 | | 84.091 | 0.930 | |
| AREAVERT FUJI1 | 293856.643 | 6398430.629 | SRCPARAM TOP_02 | 0.15 | 2.000 |
| 293837.028 | 6398403.658 | | 38.272 | 0.930 | |
| | | | SRCPARAM TOP_03 | 0.14 | 2.000 |
| | | | 37.733 | 0.930 | |

| | | | | | | | |
|------------------------------------|--------------|------|------|------|-------------------|--------------|------|
| ** LINE VOLUME Source ID = SLINE9 | | | | | | | |
| SRCPARAM L0002356 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002422 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002423 | 0.0185185185 | 3.57 |
| SRCPARAM L0002357 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002424 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002425 | 0.0185185185 | 3.57 |
| SRCPARAM L0002358 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002426 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002427 | 0.0185185185 | 3.57 |
| SRCPARAM L0002359 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002428 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002429 | 0.0185185185 | 3.57 |
| SRCPARAM L0002360 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002430 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002431 | 0.0185185185 | 3.57 |
| SRCPARAM L0002361 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002432 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002433 | 0.0185185185 | 3.57 |
| SRCPARAM L0002362 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002434 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002435 | 0.0185185185 | 3.57 |
| SRCPARAM L0002363 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002436 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002437 | 0.0185185185 | 3.57 |
| SRCPARAM L0002364 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002438 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002439 | 0.0185185185 | 3.57 |
| SRCPARAM L0002365 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002440 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002441 | 0.0185185185 | 3.57 |
| SRCPARAM L0002366 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002442 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002443 | 0.0185185185 | 3.57 |
| SRCPARAM L0002367 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002444 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002445 | 0.0185185185 | 3.57 |
| SRCPARAM L0002368 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002446 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002447 | 0.0185185185 | 3.57 |
| SRCPARAM L0002369 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002448 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002449 | 0.0185185185 | 3.57 |
| SRCPARAM L0002370 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002450 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002451 | 0.0185185185 | 3.57 |
| SRCPARAM L0002371 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002452 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002453 | 0.0185185185 | 3.57 |
| SRCPARAM L0002372 | 0.0322580645 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002454 | 0.0185185185 | 3.57 |
| 8.84 3.32 | | | | | SRCPARAM L0002455 | 0.0185185185 | 3.57 |
| SRCPARAM L0002373 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002374 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002375 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002376 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002377 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002378 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002379 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002380 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002381 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002382 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002383 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002384 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002385 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| SRCPARAM L0002386 | 0.0322580645 | 3.57 | 9.10 | 3.32 | | | |
| 8.84 3.32 | | | | | | | |
| ** ----- | | | | | | | |
| ** LINE VOLUME Source ID = SLINE10 | | | | | | | |
| SRCPARAM L0002421 | 0.0185185185 | 3.57 | 9.10 | 3.32 | SRCPARAM L0002455 | 0.0185185185 | 3.57 |
| 9.10 3.32 | | | | | | | |

| | | | | | |
|------------------------------------|--------------|------|-------------------|--------------|------|
| SRCPARAM L0002456 | 0.0185185185 | 3.57 | SRCPARAM L0002489 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002457 | 0.0185185185 | 3.57 | SRCPARAM L0002490 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002458 | 0.0185185185 | 3.57 | SRCPARAM L0002491 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002459 | 0.0185185185 | 3.57 | SRCPARAM L0002492 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002460 | 0.0185185185 | 3.57 | SRCPARAM L0002493 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002461 | 0.0185185185 | 3.57 | SRCPARAM L0002494 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002462 | 0.0185185185 | 3.57 | SRCPARAM L0002495 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002463 | 0.0185185185 | 3.57 | SRCPARAM L0002496 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002464 | 0.0185185185 | 3.57 | SRCPARAM L0002497 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002465 | 0.0185185185 | 3.57 | SRCPARAM L0002498 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002466 | 0.0185185185 | 3.57 | SRCPARAM L0002499 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002467 | 0.0185185185 | 3.57 | SRCPARAM L0002500 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002468 | 0.0185185185 | 3.57 | SRCPARAM L0002501 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002469 | 0.0185185185 | 3.57 | SRCPARAM L0002502 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002470 | 0.0185185185 | 3.57 | SRCPARAM L0002503 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002471 | 0.0185185185 | 3.57 | SRCPARAM L0002504 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002472 | 0.0185185185 | 3.57 | SRCPARAM L0002505 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002473 | 0.0185185185 | 3.57 | SRCPARAM L0002506 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| SRCPARAM L0002474 | 0.0185185185 | 3.57 | SRCPARAM L0002507 | 0.0151515152 | 3.57 |
| 9.10 3.32 | | | 8.99 3.32 | | |
| ** ----- | | | SRCPARAM L0002508 | 0.0151515152 | 3.57 |
| ----- | | | 8.99 3.32 | | |
| ** LINE VOLUME Source ID = SLINE11 | | | SRCPARAM L0002509 | 0.0151515152 | 3.57 |
| SRCPARAM L0002475 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002510 | 0.0151515152 | 3.57 |
| SRCPARAM L0002476 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002511 | 0.0151515152 | 3.57 |
| SRCPARAM L0002477 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002512 | 0.0151515152 | 3.57 |
| SRCPARAM L0002478 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002513 | 0.0151515152 | 3.57 |
| SRCPARAM L0002479 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002514 | 0.0151515152 | 3.57 |
| SRCPARAM L0002480 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002515 | 0.0151515152 | 3.57 |
| SRCPARAM L0002481 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002516 | 0.0151515152 | 3.57 |
| SRCPARAM L0002482 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002517 | 0.0151515152 | 3.57 |
| SRCPARAM L0002483 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002518 | 0.0151515152 | 3.57 |
| SRCPARAM L0002484 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002519 | 0.0151515152 | 3.57 |
| SRCPARAM L0002485 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002520 | 0.0151515152 | 3.57 |
| SRCPARAM L0002486 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002521 | 0.0151515152 | 3.57 |
| SRCPARAM L0002487 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | SRCPARAM L0002522 | 0.0151515152 | 3.57 |
| SRCPARAM L0002488 | 0.0151515152 | 3.57 | 8.99 3.32 | | |
| 8.99 3.32 | | | | | |

| | | | | | |
|------------------------------------|--------------|------|-------------------|-------------|------|
| SRCPARAM L0002523 | 0.0151515152 | 3.57 | SRCPARAM L0002556 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002524 | 0.0151515152 | 3.57 | SRCPARAM L0002557 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002525 | 0.0151515152 | 3.57 | SRCPARAM L0002558 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002526 | 0.0151515152 | 3.57 | SRCPARAM L0002559 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002527 | 0.0151515152 | 3.57 | SRCPARAM L0002560 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002528 | 0.0151515152 | 3.57 | SRCPARAM L0002561 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002529 | 0.0151515152 | 3.57 | SRCPARAM L0002562 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002530 | 0.0151515152 | 3.57 | SRCPARAM L0002563 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002531 | 0.0151515152 | 3.57 | SRCPARAM L0002564 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002532 | 0.0151515152 | 3.57 | SRCPARAM L0002565 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002533 | 0.0151515152 | 3.57 | SRCPARAM L0002566 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002534 | 0.0151515152 | 3.57 | SRCPARAM L0002567 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002535 | 0.0151515152 | 3.57 | SRCPARAM L0002568 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002536 | 0.0151515152 | 3.57 | SRCPARAM L0002569 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002537 | 0.0151515152 | 3.57 | SRCPARAM L0002570 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002538 | 0.0151515152 | 3.57 | SRCPARAM L0002571 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002539 | 0.0151515152 | 3.57 | SRCPARAM L0002572 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002540 | 0.0151515152 | 3.57 | SRCPARAM L0002573 | 0.010989011 | 3.57 |
| 8.99 3.32 | | | 9.09 3.32 | | |
| ** ----- | | | SRCPARAM L0002574 | 0.010989011 | 3.57 |
| ***** | | | 9.09 3.32 | | |
| ** LINE VOLUME Source ID = SLINE12 | | | SRCPARAM L0002575 | 0.010989011 | 3.57 |
| SRCPARAM L0002541 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002576 | 0.010989011 | 3.57 |
| SRCPARAM L0002542 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002577 | 0.010989011 | 3.57 |
| SRCPARAM L0002543 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002578 | 0.010989011 | 3.57 |
| SRCPARAM L0002544 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002579 | 0.010989011 | 3.57 |
| SRCPARAM L0002545 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002580 | 0.010989011 | 3.57 |
| SRCPARAM L0002546 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002581 | 0.010989011 | 3.57 |
| SRCPARAM L0002547 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002582 | 0.010989011 | 3.57 |
| SRCPARAM L0002548 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002583 | 0.010989011 | 3.57 |
| SRCPARAM L0002549 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002584 | 0.010989011 | 3.57 |
| SRCPARAM L0002550 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002585 | 0.010989011 | 3.57 |
| SRCPARAM L0002551 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002586 | 0.010989011 | 3.57 |
| SRCPARAM L0002552 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002587 | 0.010989011 | 3.57 |
| SRCPARAM L0002553 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002588 | 0.010989011 | 3.57 |
| SRCPARAM L0002554 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002589 | 0.010989011 | 3.57 |
| SRCPARAM L0002555 | 0.010989011 | 3.57 | 9.09 3.32 | | |
| 9.09 3.32 | | | | | |

| | | | | | |
|-------------------|-------------|------|------------------------------------|-------------|------|
| SRCPARAM L0002590 | 0.010989011 | 3.57 | SRCPARAM L0002624 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002591 | 0.010989011 | 3.57 | SRCPARAM L0002625 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002592 | 0.010989011 | 3.57 | SRCPARAM L0002626 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002593 | 0.010989011 | 3.57 | SRCPARAM L0002627 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002594 | 0.010989011 | 3.57 | SRCPARAM L0002628 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002595 | 0.010989011 | 3.57 | SRCPARAM L0002629 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002596 | 0.010989011 | 3.57 | SRCPARAM L0002630 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002597 | 0.010989011 | 3.57 | SRCPARAM L0002631 | 0.010989011 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0002598 | 0.010989011 | 3.57 | ** ----- | | |
| 9.09 3.32 | | | ----- | | |
| SRCPARAM L0002599 | 0.010989011 | 3.57 | ** LINE VOLUME Source ID = SLINE13 | | |
| 9.09 3.32 | | | SRCPARAM L0002632 | 0.023255814 | 3.57 |
| SRCPARAM L0002600 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002633 | 0.023255814 | 3.57 |
| SRCPARAM L0002601 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002634 | 0.023255814 | 3.57 |
| SRCPARAM L0002602 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002635 | 0.023255814 | 3.57 |
| SRCPARAM L0002603 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002636 | 0.023255814 | 3.57 |
| SRCPARAM L0002604 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002637 | 0.023255814 | 3.57 |
| SRCPARAM L0002605 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002638 | 0.023255814 | 3.57 |
| SRCPARAM L0002606 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002639 | 0.023255814 | 3.57 |
| SRCPARAM L0002607 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002640 | 0.023255814 | 3.57 |
| SRCPARAM L0002608 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002641 | 0.023255814 | 3.57 |
| SRCPARAM L0002609 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002642 | 0.023255814 | 3.57 |
| SRCPARAM L0002610 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002643 | 0.023255814 | 3.57 |
| SRCPARAM L0002611 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002644 | 0.023255814 | 3.57 |
| SRCPARAM L0002612 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002645 | 0.023255814 | 3.57 |
| SRCPARAM L0002613 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002646 | 0.023255814 | 3.57 |
| SRCPARAM L0002614 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002647 | 0.023255814 | 3.57 |
| SRCPARAM L0002615 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002648 | 0.023255814 | 3.57 |
| SRCPARAM L0002616 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002649 | 0.023255814 | 3.57 |
| SRCPARAM L0002617 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002650 | 0.023255814 | 3.57 |
| SRCPARAM L0002618 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002651 | 0.023255814 | 3.57 |
| SRCPARAM L0002619 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002652 | 0.023255814 | 3.57 |
| SRCPARAM L0002620 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002653 | 0.023255814 | 3.57 |
| SRCPARAM L0002621 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002654 | 0.023255814 | 3.57 |
| SRCPARAM L0002622 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002655 | 0.023255814 | 3.57 |
| SRCPARAM L0002623 | 0.010989011 | 3.57 | 9.01 3.32 | | |
| 9.09 3.32 | | | SRCPARAM L0002656 | 0.023255814 | 3.57 |
| | | | 9.01 3.32 | | |

| | | | | | |
|------------------------------------|--------------|------|-------------------|--------------|------|
| SRCPARAM L0002657 | 0.023255814 | 3.57 | SRCPARAM L0002690 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002658 | 0.023255814 | 3.57 | SRCPARAM L0002691 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002659 | 0.023255814 | 3.57 | SRCPARAM L0002692 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002660 | 0.023255814 | 3.57 | SRCPARAM L0002693 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002661 | 0.023255814 | 3.57 | SRCPARAM L0002694 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002662 | 0.023255814 | 3.57 | SRCPARAM L0002695 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002663 | 0.023255814 | 3.57 | SRCPARAM L0002696 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002664 | 0.023255814 | 3.57 | SRCPARAM L0002697 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002665 | 0.023255814 | 3.57 | SRCPARAM L0002698 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002666 | 0.023255814 | 3.57 | SRCPARAM L0002699 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002667 | 0.023255814 | 3.57 | SRCPARAM L0002700 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002668 | 0.023255814 | 3.57 | SRCPARAM L0002701 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002669 | 0.023255814 | 3.57 | SRCPARAM L0002702 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002670 | 0.023255814 | 3.57 | SRCPARAM L0002703 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002671 | 0.023255814 | 3.57 | SRCPARAM L0002704 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002672 | 0.023255814 | 3.57 | SRCPARAM L0002705 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002673 | 0.023255814 | 3.57 | SRCPARAM L0002706 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| SRCPARAM L0002674 | 0.023255814 | 3.57 | SRCPARAM L0002707 | 0.0068965517 | 3.57 |
| 9.01 3.32 | | | 4.56 3.32 | | |
| **----- | | | SRCPARAM L0002708 | 0.0068965517 | 3.57 |
| ----- | | | 4.56 3.32 | | |
| ** LINE VOLUME Source ID = SLINE14 | | | SRCPARAM L0002709 | 0.0068965517 | 3.57 |
| SRCPARAM L0002675 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002710 | 0.0068965517 | 3.57 |
| SRCPARAM L0002676 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002711 | 0.0068965517 | 3.57 |
| SRCPARAM L0002677 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002712 | 0.0068965517 | 3.57 |
| SRCPARAM L0002678 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002713 | 0.0068965517 | 3.57 |
| SRCPARAM L0002679 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002714 | 0.0068965517 | 3.57 |
| SRCPARAM L0002680 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002715 | 0.0068965517 | 3.57 |
| SRCPARAM L0002681 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002716 | 0.0068965517 | 3.57 |
| SRCPARAM L0002682 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002717 | 0.0068965517 | 3.57 |
| SRCPARAM L0002683 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002718 | 0.0068965517 | 3.57 |
| SRCPARAM L0002684 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002719 | 0.0068965517 | 3.57 |
| SRCPARAM L0002685 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002720 | 0.0068965517 | 3.57 |
| SRCPARAM L0002686 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002721 | 0.0068965517 | 3.57 |
| SRCPARAM L0002687 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002722 | 0.0068965517 | 3.57 |
| SRCPARAM L0002688 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | SRCPARAM L0002723 | 0.0068965517 | 3.57 |
| SRCPARAM L0002689 | 0.0068965517 | 3.57 | 4.56 3.32 | | |
| 4.56 3.32 | | | | | |

| | | | | | |
|------------------------------------|--------------|------|-------------------|--------------|------|
| SRCPARAM L0002792 | 0.0068965517 | 3.57 | SRCPARAM L0002825 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002793 | 0.0068965517 | 3.57 | SRCPARAM L0002826 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002794 | 0.0068965517 | 3.57 | SRCPARAM L0002827 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002795 | 0.0068965517 | 3.57 | SRCPARAM L0002828 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002796 | 0.0068965517 | 3.57 | SRCPARAM L0002829 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002797 | 0.0068965517 | 3.57 | SRCPARAM L0002830 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002798 | 0.0068965517 | 3.57 | SRCPARAM L0002831 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002799 | 0.0068965517 | 3.57 | SRCPARAM L0002832 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002800 | 0.0068965517 | 3.57 | SRCPARAM L0002833 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002801 | 0.0068965517 | 3.57 | SRCPARAM L0002834 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002802 | 0.0068965517 | 3.57 | SRCPARAM L0002835 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002803 | 0.0068965517 | 3.57 | SRCPARAM L0002836 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002804 | 0.0068965517 | 3.57 | SRCPARAM L0002837 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002805 | 0.0068965517 | 3.57 | SRCPARAM L0002838 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002806 | 0.0068965517 | 3.57 | SRCPARAM L0002839 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002807 | 0.0068965517 | 3.57 | SRCPARAM L0002840 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002808 | 0.0068965517 | 3.57 | SRCPARAM L0002841 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002809 | 0.0068965517 | 3.57 | SRCPARAM L0002842 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002810 | 0.0068965517 | 3.57 | SRCPARAM L0002843 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002811 | 0.0068965517 | 3.57 | SRCPARAM L0002844 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002812 | 0.0068965517 | 3.57 | SRCPARAM L0002845 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002813 | 0.0068965517 | 3.57 | SRCPARAM L0002846 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002814 | 0.0068965517 | 3.57 | SRCPARAM L0002847 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002815 | 0.0068965517 | 3.57 | SRCPARAM L0002848 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002816 | 0.0068965517 | 3.57 | SRCPARAM L0002849 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002817 | 0.0068965517 | 3.57 | SRCPARAM L0002850 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002818 | 0.0068965517 | 3.57 | SRCPARAM L0002851 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| SRCPARAM L0002819 | 0.0068965517 | 3.57 | SRCPARAM L0002852 | 0.0208333333 | 3.57 |
| 4.56 3.32 | | | 9.01 3.32 | | |
| **----- | | | SRCPARAM L0002853 | 0.0208333333 | 3.57 |
| ----- | | | 9.01 3.32 | | |
| ** LINE VOLUME Source ID = SLINE15 | | | SRCPARAM L0002854 | 0.0208333333 | 3.57 |
| SRCPARAM L0002820 | 0.0208333333 | 3.57 | 9.01 3.32 | | |
| 9.01 3.32 | | | SRCPARAM L0002855 | 0.0208333333 | 3.57 |
| SRCPARAM L0002821 | 0.0208333333 | 3.57 | 9.01 3.32 | | |
| 9.01 3.32 | | | SRCPARAM L0002856 | 0.0208333333 | 3.57 |
| SRCPARAM L0002822 | 0.0208333333 | 3.57 | 9.01 3.32 | | |
| 9.01 3.32 | | | SRCPARAM L0002857 | 0.0208333333 | 3.57 |
| SRCPARAM L0002823 | 0.0208333333 | 3.57 | 9.01 3.32 | | |
| 9.01 3.32 | | | SRCPARAM L0002858 | 0.0208333333 | 3.57 |
| SRCPARAM L0002824 | 0.0208333333 | 3.57 | 9.01 3.32 | | |
| 9.01 3.32 | | | | | |

| | | | | | |
|------------------------------------|--------------|------|------------------------------------|--------------|------|
| SRCPARAM L0002859 | 0.0208333333 | 3.57 | SRCPARAM L0002892 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002860 | 0.0208333333 | 3.57 | SRCPARAM L0002893 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002861 | 0.0208333333 | 3.57 | SRCPARAM L0002894 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002862 | 0.0208333333 | 3.57 | SRCPARAM L0002895 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002863 | 0.0208333333 | 3.57 | SRCPARAM L0002896 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002864 | 0.0208333333 | 3.57 | SRCPARAM L0002897 | 0.0333333333 | 3.57 |
| 9.01 3.32 | | | 9.04 3.32 | | |
| SRCPARAM L0002865 | 0.0208333333 | 3.57 | ** ----- | | |
| 9.01 3.32 | | | ----- | | |
| SRCPARAM L0002866 | 0.0208333333 | 3.57 | ** LINE VOLUME Source ID = SLINE17 | | |
| 9.01 3.32 | | | SRCPARAM L0002898 | 0.0108695652 | 3.57 |
| SRCPARAM L0002867 | 0.0208333333 | 3.57 | 9.08 3.32 | | |
| 9.01 3.32 | | | SRCPARAM L0002899 | 0.0108695652 | 3.57 |
| ** ----- | | | 9.08 3.32 | | |
| ----- | | | SRCPARAM L0002900 | 0.0108695652 | 3.57 |
| ** LINE VOLUME Source ID = SLINE16 | | | 9.08 3.32 | | |
| SRCPARAM L0002868 | 0.0333333333 | 3.57 | SRCPARAM L0002901 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002869 | 0.0333333333 | 3.57 | SRCPARAM L0002902 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002870 | 0.0333333333 | 3.57 | SRCPARAM L0002903 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002871 | 0.0333333333 | 3.57 | SRCPARAM L0002904 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002872 | 0.0333333333 | 3.57 | SRCPARAM L0002905 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002873 | 0.0333333333 | 3.57 | SRCPARAM L0002906 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002874 | 0.0333333333 | 3.57 | SRCPARAM L0002907 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002875 | 0.0333333333 | 3.57 | SRCPARAM L0002908 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002876 | 0.0333333333 | 3.57 | SRCPARAM L0002909 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002877 | 0.0333333333 | 3.57 | SRCPARAM L0002910 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002878 | 0.0333333333 | 3.57 | SRCPARAM L0002911 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002879 | 0.0333333333 | 3.57 | SRCPARAM L0002912 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002880 | 0.0333333333 | 3.57 | SRCPARAM L0002913 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002881 | 0.0333333333 | 3.57 | SRCPARAM L0002914 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002882 | 0.0333333333 | 3.57 | SRCPARAM L0002915 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002883 | 0.0333333333 | 3.57 | SRCPARAM L0002916 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002884 | 0.0333333333 | 3.57 | SRCPARAM L0002917 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002885 | 0.0333333333 | 3.57 | SRCPARAM L0002918 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002886 | 0.0333333333 | 3.57 | SRCPARAM L0002919 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002887 | 0.0333333333 | 3.57 | SRCPARAM L0002920 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002888 | 0.0333333333 | 3.57 | SRCPARAM L0002921 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002889 | 0.0333333333 | 3.57 | SRCPARAM L0002922 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002890 | 0.0333333333 | 3.57 | SRCPARAM L0002923 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002891 | 0.0333333333 | 3.57 | SRCPARAM L0002924 | 0.0108695652 | 3.57 |
| 9.04 3.32 | | | 9.08 3.32 | | |

| | | | | | |
|-------------------|--------------|------|------------------------------------|--------------|------|
| SRCPARAM L0002925 | 0.0108695652 | 3.57 | SRCPARAM L0002959 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002926 | 0.0108695652 | 3.57 | SRCPARAM L0002960 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002927 | 0.0108695652 | 3.57 | SRCPARAM L0002961 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002928 | 0.0108695652 | 3.57 | SRCPARAM L0002962 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002929 | 0.0108695652 | 3.57 | SRCPARAM L0002963 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002930 | 0.0108695652 | 3.57 | SRCPARAM L0002964 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002931 | 0.0108695652 | 3.57 | SRCPARAM L0002965 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002932 | 0.0108695652 | 3.57 | SRCPARAM L0002966 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002933 | 0.0108695652 | 3.57 | SRCPARAM L0002967 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002934 | 0.0108695652 | 3.57 | SRCPARAM L0002968 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002935 | 0.0108695652 | 3.57 | SRCPARAM L0002969 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002936 | 0.0108695652 | 3.57 | SRCPARAM L0002970 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002937 | 0.0108695652 | 3.57 | SRCPARAM L0002971 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002938 | 0.0108695652 | 3.57 | SRCPARAM L0002972 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002939 | 0.0108695652 | 3.57 | SRCPARAM L0002973 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002940 | 0.0108695652 | 3.57 | SRCPARAM L0002974 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002941 | 0.0108695652 | 3.57 | SRCPARAM L0002975 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002942 | 0.0108695652 | 3.57 | SRCPARAM L0002976 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002943 | 0.0108695652 | 3.57 | SRCPARAM L0002977 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002944 | 0.0108695652 | 3.57 | SRCPARAM L0002978 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002945 | 0.0108695652 | 3.57 | SRCPARAM L0002979 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002946 | 0.0108695652 | 3.57 | SRCPARAM L0002980 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002947 | 0.0108695652 | 3.57 | SRCPARAM L0002981 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002948 | 0.0108695652 | 3.57 | SRCPARAM L0002982 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002949 | 0.0108695652 | 3.57 | SRCPARAM L0002983 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002950 | 0.0108695652 | 3.57 | SRCPARAM L0002984 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002951 | 0.0108695652 | 3.57 | SRCPARAM L0002985 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002952 | 0.0108695652 | 3.57 | SRCPARAM L0002986 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002953 | 0.0108695652 | 3.57 | SRCPARAM L0002987 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002954 | 0.0108695652 | 3.57 | SRCPARAM L0002988 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002955 | 0.0108695652 | 3.57 | SRCPARAM L0002989 | 0.0108695652 | 3.57 |
| 9.08 3.32 | | | 9.08 3.32 | | |
| SRCPARAM L0002956 | 0.0108695652 | 3.57 | ** ----- | | |
| 9.08 3.32 | | | ----- | | |
| SRCPARAM L0002957 | 0.0108695652 | 3.57 | ** LINE VOLUME Source ID = SLINE18 | | |
| 9.08 3.32 | | | SRCPARAM L0003082 | 0.0051282051 | 4.00 |
| SRCPARAM L0002958 | 0.0108695652 | 3.57 | 10.65 3.72 | | |
| 9.08 3.32 | | | SRCPARAM L0003083 | 0.0051282051 | 4.00 |
| | | | 10.65 3.72 | | |

| | | | | | |
|-------------------|--------------|------|------------------------------------|--------------|------|
| SRCPARAM L0003220 | 0.0051282051 | 4.00 | SRCPARAM L0003254 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003221 | 0.0051282051 | 4.00 | SRCPARAM L0003255 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003222 | 0.0051282051 | 4.00 | SRCPARAM L0003256 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003223 | 0.0051282051 | 4.00 | SRCPARAM L0003257 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003224 | 0.0051282051 | 4.00 | SRCPARAM L0003258 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003225 | 0.0051282051 | 4.00 | SRCPARAM L0003259 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003226 | 0.0051282051 | 4.00 | SRCPARAM L0003260 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003227 | 0.0051282051 | 4.00 | SRCPARAM L0003261 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003228 | 0.0051282051 | 4.00 | SRCPARAM L0003262 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003229 | 0.0051282051 | 4.00 | SRCPARAM L0003263 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003230 | 0.0051282051 | 4.00 | SRCPARAM L0003264 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003231 | 0.0051282051 | 4.00 | SRCPARAM L0003265 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003232 | 0.0051282051 | 4.00 | SRCPARAM L0003266 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003233 | 0.0051282051 | 4.00 | SRCPARAM L0003267 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003234 | 0.0051282051 | 4.00 | SRCPARAM L0003268 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003235 | 0.0051282051 | 4.00 | SRCPARAM L0003269 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003236 | 0.0051282051 | 4.00 | SRCPARAM L0003270 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003237 | 0.0051282051 | 4.00 | SRCPARAM L0003271 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003238 | 0.0051282051 | 4.00 | SRCPARAM L0003272 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003239 | 0.0051282051 | 4.00 | SRCPARAM L0003273 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003240 | 0.0051282051 | 4.00 | SRCPARAM L0003274 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003241 | 0.0051282051 | 4.00 | SRCPARAM L0003275 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003242 | 0.0051282051 | 4.00 | SRCPARAM L0003276 | 0.0051282051 | 4.00 |
| 10.65 3.72 | | | 10.65 3.72 | | |
| SRCPARAM L0003243 | 0.0051282051 | 4.00 | ** ----- | | |
| 10.65 3.72 | | | ----- | | |
| SRCPARAM L0003244 | 0.0051282051 | 4.00 | ** LINE VOLUME Source ID = SLINE19 | | |
| 10.65 3.72 | | | SRCPARAM L0003731 | 0.02 | 3.57 |
| SRCPARAM L0003245 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003732 | 0.02 | 3.57 |
| SRCPARAM L0003246 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003733 | 0.02 | 3.57 |
| SRCPARAM L0003247 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003734 | 0.02 | 3.57 |
| SRCPARAM L0003248 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003735 | 0.02 | 3.57 |
| SRCPARAM L0003249 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003736 | 0.02 | 3.57 |
| SRCPARAM L0003250 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003737 | 0.02 | 3.57 |
| SRCPARAM L0003251 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003738 | 0.02 | 3.57 |
| SRCPARAM L0003252 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003739 | 0.02 | 3.57 |
| SRCPARAM L0003253 | 0.0051282051 | 4.00 | 9.09 3.32 | | |
| 10.65 3.72 | | | SRCPARAM L0003740 | 0.02 | 3.57 |
| | | | 9.09 3.32 | | |

| | | | | | |
|-------------------|------|------|---|------|------|
| SRCPARAM L0003741 | 0.02 | 3.57 | SRCPARAM L0003775 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003742 | 0.02 | 3.57 | SRCPARAM L0003776 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003743 | 0.02 | 3.57 | SRCPARAM L0003777 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003744 | 0.02 | 3.57 | SRCPARAM L0003778 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003745 | 0.02 | 3.57 | SRCPARAM L0003779 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003746 | 0.02 | 3.57 | SRCPARAM L0003780 | 0.02 | 3.57 |
| 9.09 3.32 | | | 9.09 3.32 | | |
| SRCPARAM L0003747 | 0.02 | 3.57 | ** ----- | | |
| 9.09 3.32 | | | ----- | | |
| SRCPARAM L0003748 | 0.02 | 3.57 | PARTDIAM FUJI2 1 3.8 6.3 8.3 12.5 19 26 35 45 | | |
| 9.09 3.32 | | | PARTDIAM WRD_01 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003749 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM PLANT04 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003750 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM PLANT05 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003751 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM WRD_02 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003752 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM WRD_03 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003753 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM WRD_04 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003754 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM WRD_05 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003755 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM ROM 1 3.8 6.3 8.3 12.5 19 26 35 45 | | |
| SRCPARAM L0003756 | 0.02 | 3.57 | PARTDIAM PLANT01 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| 9.09 3.32 | | | 45 | | |
| SRCPARAM L0003757 | 0.02 | 3.57 | PARTDIAM PLANT02 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| 9.09 3.32 | | | 45 | | |
| SRCPARAM L0003758 | 0.02 | 3.57 | PARTDIAM PLANT03 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| 9.09 3.32 | | | 45 | | |
| SRCPARAM L0003759 | 0.02 | 3.57 | PARTDIAM VES 1 3.8 6.3 8.3 12.5 19 26 35 45 | | |
| 9.09 3.32 | | | PARTDIAM EGM 1 3.8 6.3 8.3 12.5 19 26 35 45 | | |
| SRCPARAM L0003760 | 0.02 | 3.57 | PARTDIAM FUJI1 1 3.8 6.3 8.3 12.5 19 26 35 45 | | |
| 9.09 3.32 | | | PARTDIAM L0002421 1 3.8 6.3 8.3 12.5 19 26 | | |
| SRCPARAM L0003761 | 0.02 | 3.57 | 35 45 | | |
| 9.09 3.32 | | | PARTDIAM L0002422 1 3.8 6.3 8.3 12.5 19 26 | | |
| SRCPARAM L0003762 | 0.02 | 3.57 | 35 45 | | |
| 9.09 3.32 | | | ... | | |
| SRCPARAM L0003763 | 0.02 | 3.57 | [LINE VOLUME SOURCES TRUNCATED FOR | | |
| 9.09 3.32 | | | REPORTING] | | |
| SRCPARAM L0003764 | 0.02 | 3.57 | ... | | |
| 9.09 3.32 | | | PARTDIAM TOP_01 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003765 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM TOP_02 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003766 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM TOP_03 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003767 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | PARTDIAM TSF_PIT 1 3.8 6.3 8.3 12.5 19 26 35 | | |
| SRCPARAM L0003768 | 0.02 | 3.57 | 45 | | |
| 9.09 3.32 | | | MASSFRAX FUJI2 0.09 0.08 0.07 0.06 0.14 0.15 | | |
| SRCPARAM L0003769 | 0.02 | 3.57 | 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX WRD_01 0.09 0.08 0.07 0.06 0.14 | | |
| SRCPARAM L0003770 | 0.02 | 3.57 | 0.15 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX PLANT04 0.09 0.08 0.07 0.06 0.14 | | |
| SRCPARAM L0003771 | 0.02 | 3.57 | 0.15 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX PLANT05 0.09 0.08 0.07 0.06 0.14 | | |
| SRCPARAM L0003772 | 0.02 | 3.57 | 0.15 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX WRD_02 0.09 0.08 0.07 0.06 0.14 | | |
| SRCPARAM L0003773 | 0.02 | 3.57 | 0.15 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX WRD_03 0.09 0.08 0.07 0.06 0.14 | | |
| SRCPARAM L0003774 | 0.02 | 3.57 | 0.15 0.15 0.15 0.11 | | |
| 9.09 3.32 | | | MASSFRAX WRD_04 0.09 0.08 0.07 0.06 0.14 | | |
| | | | 0.15 0.15 0.15 0.11 | | |

MASSFRAX WRD_05 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX ROM 0.09 0.08 0.07 0.06 0.14 0.15
0.15 0.15 0.11
MASSFRAX PLANT01 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX PLANT02 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX PLANT03 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX VES 0.09 0.08 0.07 0.06 0.14 0.15
0.15 0.15 0.11
MASSFRAX EGM 0.09 0.08 0.07 0.06 0.14 0.15
0.15 0.15 0.11
MASSFRAX FUJ11 0.09 0.08 0.07 0.06 0.14 0.15
0.15 0.15 0.11
MASSFRAX L0002421 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
...
[LINE VOLUME SOURCES TRUNCATED FOR
REPORTING]
...
MASSFRAX L0002386 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX TOP_01 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX TOP_02 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX TOP_03 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
MASSFRAX TSF_PIT 0.09 0.08 0.07 0.06 0.14
0.15 0.15 0.15 0.11
PARTDENS FUJ12 1 1 1 1 1 1 1 1 1
PARTDENS WRD_01 1 1 1 1 1 1 1 1 1
PARTDENS PLANT04 1 1 1 1 1 1 1 1 1
PARTDENS PLANT05 1 1 1 1 1 1 1 1 1
PARTDENS WRD_02 1 1 1 1 1 1 1 1 1
PARTDENS WRD_03 1 1 1 1 1 1 1 1 1
PARTDENS WRD_04 1 1 1 1 1 1 1 1 1
PARTDENS WRD_05 1 1 1 1 1 1 1 1 1
PARTDENS ROM 1 1 1 1 1 1 1 1 1
PARTDENS PLANT01 1 1 1 1 1 1 1 1 1
PARTDENS PLANT02 1 1 1 1 1 1 1 1 1
PARTDENS PLANT03 1 1 1 1 1 1 1 1 1
PARTDENS VES 1 1 1 1 1 1 1 1 1
PARTDENS EGM 1 1 1 1 1 1 1 1 1
PARTDENS FUJ11 1 1 1 1 1 1 1 1 1
PARTDENS L0002421 1 1 1 1 1 1 1 1 1
...
[LINE VOLUME SOURCES TRUNCATED FOR
REPORTING]
...
PARTDENS L0002386 1 1 1 1 1 1 1 1 1
PARTDENS TOP_01 1 1 1 1 1 1 1 1 1
PARTDENS TOP_02 1 1 1 1 1 1 1 1 1
PARTDENS TOP_03 1 1 1 1 1 1 1 1 1
PARTDENS TSF_PIT 1 1 1 1 1 1 1 1 1
SRCGROUP EGM EGM
SRCGROUP VES-WRD L0002421 L0002422
L0002423 L0002424 L0002425 L0002426
SRCGROUP VES-WRD L0002427 L0002428
L0002429 L0002430 L0002431 L0002432
SRCGROUP VES-WRD L0002433 L0002434
L0002435 L0002436 L0002437 L0002438
SRCGROUP VES-WRD L0002439 L0002440
L0002441 L0002442 L0002443 L0002444
SRCGROUP VES-WRD L0002445 L0002446
L0002447 L0002448 L0002449 L0002450
SRCGROUP VES-WRD L0002451 L0002452
L0002453 L0002454 L0002455 L0002456
SRCGROUP VES-WRD L0002457 L0002458
L0002459 L0002460 L0002461 L0002462
SRCGROUP VES-WRD L0002463 L0002464
L0002465 L0002466 L0002467 L0002468
SRCGROUP VES-WRD L0002469 L0002470
L0002471 L0002472 L0002473 L0002474
SRCGROUP FUJ1-WRD L0002541 L0002542
L0002543 L0002544 L0002545 L0002546
SRCGROUP FUJ1-WRD L0002547 L0002548
L0002549 L0002550 L0002551 L0002552
SRCGROUP FUJ1-WRD L0002553 L0002554
L0002555 L0002556 L0002557 L0002558
SRCGROUP FUJ1-WRD L0002559 L0002560
L0002561 L0002562 L0002563 L0002564
SRCGROUP FUJ1-WRD L0002565 L0002566
L0002567 L0002568 L0002569 L0002570
SRCGROUP FUJ1-WRD L0002571 L0002572
L0002573 L0002574 L0002575 L0002576
SRCGROUP FUJ1-WRD L0002577 L0002578
L0002579 L0002580 L0002581 L0002582
SRCGROUP FUJ1-WRD L0002583 L0002584
L0002585 L0002586 L0002587 L0002588
SRCGROUP FUJ1-WRD L0002589 L0002590
L0002591 L0002592 L0002593 L0002594
SRCGROUP FUJ1-WRD L0002595 L0002596
L0002597 L0002598 L0002599 L0002600
SRCGROUP FUJ1-WRD L0002601 L0002602
L0002603 L0002604 L0002605 L0002606
SRCGROUP FUJ1-WRD L0002607 L0002608
L0002609 L0002610 L0002611 L0002612
SRCGROUP FUJ1-WRD L0002613 L0002614
L0002615 L0002616 L0002617 L0002618
SRCGROUP FUJ1-WRD L0002619 L0002620
L0002621 L0002622 L0002623 L0002624
SRCGROUP FUJ1-WRD L0002625 L0002626
L0002627 L0002628 L0002629 L0002630
SRCGROUP FUJ1-WRD L0002631
SRCGROUP VES-TOP L0002356 L0002357
L0002358 L0002359 L0002360 L0002361
SRCGROUP VES-TOP L0002362 L0002363
L0002364 L0002365 L0002366 L0002367
SRCGROUP VES-TOP L0002368 L0002369
L0002370 L0002371 L0002372 L0002373
SRCGROUP VES-TOP L0002374 L0002375
L0002376 L0002377 L0002378 L0002379
SRCGROUP VES-TOP L0002380 L0002381
L0002382 L0002383 L0002384 L0002385
SRCGROUP VES-TOP L0002386
SRCGROUP FUJ1-ROM L0002868 L0002869
L0002870 L0002871 L0002872 L0002873
SRCGROUP FUJ1-ROM L0002874 L0002875
L0002876 L0002877 L0002878 L0002879
SRCGROUP FUJ1-ROM L0002880 L0002881
L0002882 L0002883 L0002884 L0002885
SRCGROUP FUJ1-ROM L0002886 L0002887
L0002888 L0002889 L0002890 L0002891
SRCGROUP FUJ1-ROM L0002892 L0002893
L0002894 L0002895 L0002896 L0002897
SRCGROUP HAUL L0003082 L0003083
L0003084 L0003085 L0003086 L0003087
SRCGROUP HAUL L0003088 L0003089
L0003090 L0003091 L0003092 L0003093
SRCGROUP HAUL L0003094 L0003095
L0003096 L0003097 L0003098 L0003099
SRCGROUP HAUL L0003100 L0003101
L0003102 L0003103 L0003104 L0003105

SRCGROUP HAUL L0003106 L0003107
L0003108 L0003109 L0003110 L0003111
SRCGROUP HAUL L0003112 L0003113
L0003114 L0003115 L0003116 L0003117
SRCGROUP HAUL L0003118 L0003119
L0003120 L0003121 L0003122 L0003123
SRCGROUP HAUL L0003124 L0003125
L0003126 L0003127 L0003128 L0003129
SRCGROUP HAUL L0003130 L0003131
L0003132 L0003133 L0003134 L0003135
SRCGROUP HAUL L0003136 L0003137
L0003138 L0003139 L0003140 L0003141
SRCGROUP HAUL L0003142 L0003143
L0003144 L0003145 L0003146 L0003147
SRCGROUP HAUL L0003148 L0003149
L0003150 L0003151 L0003152 L0003153
SRCGROUP HAUL L0003154 L0003155
L0003156 L0003157 L0003158 L0003159
SRCGROUP HAUL L0003160 L0003161
L0003162 L0003163 L0003164 L0003165
SRCGROUP HAUL L0003166 L0003167
L0003168 L0003169 L0003170 L0003171
SRCGROUP HAUL L0003172 L0003173
L0003174 L0003175 L0003176 L0003177
SRCGROUP HAUL L0003178 L0003179
L0003180 L0003181 L0003182 L0003183
SRCGROUP HAUL L0003184 L0003185
L0003186 L0003187 L0003188 L0003189
SRCGROUP HAUL L0003190 L0003191
L0003192 L0003193 L0003194 L0003195
SRCGROUP HAUL L0003196 L0003197
L0003198 L0003199 L0003200 L0003201
SRCGROUP HAUL L0003202 L0003203
L0003204 L0003205 L0003206 L0003207
SRCGROUP HAUL L0003208 L0003209
L0003210 L0003211 L0003212 L0003213
SRCGROUP HAUL L0003214 L0003215
L0003216 L0003217 L0003218 L0003219
SRCGROUP HAUL L0003220 L0003221
L0003222 L0003223 L0003224 L0003225
SRCGROUP HAUL L0003226 L0003227
L0003228 L0003229 L0003230 L0003231
SRCGROUP HAUL L0003232 L0003233
L0003234 L0003235 L0003236 L0003237
SRCGROUP HAUL L0003238 L0003239
L0003240 L0003241 L0003242 L0003243
SRCGROUP HAUL L0003244 L0003245
L0003246 L0003247 L0003248 L0003249
SRCGROUP HAUL L0003250 L0003251
L0003252 L0003253 L0003254 L0003255
SRCGROUP HAUL L0003256 L0003257
L0003258 L0003259 L0003260 L0003261
SRCGROUP HAUL L0003262 L0003263
L0003264 L0003265 L0003266 L0003267
SRCGROUP HAUL L0003268 L0003269
L0003270 L0003271 L0003272 L0003273
SRCGROUP HAUL L0003274 L0003275
L0003276
SRCGROUP TOP TOP_01 TOP_02 TOP_03
SRCGROUP TSF-TSF L0003731 L0003732
L0003733 L0003734 L0003735 L0003736
SRCGROUP TSF-TSF L0003737 L0003738
L0003739 L0003740 L0003741 L0003742
SRCGROUP TSF-TSF L0003743 L0003744
L0003745 L0003746 L0003747 L0003748
SRCGROUP TSF-TSF L0003749 L0003750
L0003751 L0003752 L0003753 L0003754
SRCGROUP TSF-TSF L0003755 L0003756
L0003757 L0003758 L0003759 L0003760

SRCGROUP TSF-TSF L0003761 L0003762
L0003763 L0003764 L0003765 L0003766
SRCGROUP TSF-TSF L0003767 L0003768
L0003769 L0003770 L0003771 L0003772
SRCGROUP TSF-TSF L0003773 L0003774
L0003775 L0003776 L0003777 L0003778
SRCGROUP TSF-TSF L0003779 L0003780
SRCGROUP TSF_PIT TSF_PIT
SRCGROUP WRD WRD_01 WRD_02 WRD_03
WRD_04 WRD_05
SRCGROUP VES VES
SRCGROUP FUJ_1 FUJI1
SRCGROUP FUJ_2 FUJI2
SRCGROUP ROM ROM
SRCGROUP PLANT PLANT01 PLANT02
PLANT03 PLANT04 PLANT05
SRCGROUP VES-ROM L0002820 L0002821
L0002822 L0002823 L0002824 L0002825
SRCGROUP VES-ROM L0002826 L0002827
L0002828 L0002829 L0002830 L0002831
SRCGROUP VES-ROM L0002832 L0002833
L0002834 L0002835 L0002836 L0002837
SRCGROUP VES-ROM L0002838 L0002839
L0002840 L0002841 L0002842 L0002843
SRCGROUP VES-ROM L0002844 L0002845
L0002846 L0002847 L0002848 L0002849
SRCGROUP VES-ROM L0002850 L0002851
L0002852 L0002853 L0002854 L0002855
SRCGROUP VES-ROM L0002856 L0002857
L0002858 L0002859 L0002860 L0002861
SRCGROUP VES-ROM L0002862 L0002863
L0002864 L0002865 L0002866 L0002867
SRCGROUP FUJ1-TOP L0002475 L0002476
L0002477 L0002478 L0002479 L0002480
SRCGROUP FUJ1-TOP L0002481 L0002482
L0002483 L0002484 L0002485 L0002486
SRCGROUP FUJ1-TOP L0002487 L0002488
L0002489 L0002490 L0002491 L0002492
SRCGROUP FUJ1-TOP L0002493 L0002494
L0002495 L0002496 L0002497 L0002498
SRCGROUP FUJ1-TOP L0002499 L0002500
L0002501 L0002502 L0002503 L0002504
SRCGROUP FUJ1-TOP L0002505 L0002506
L0002507 L0002508 L0002509 L0002510
SRCGROUP FUJ1-TOP L0002511 L0002512
L0002513 L0002514 L0002515 L0002516
SRCGROUP FUJ1-TOP L0002517 L0002518
L0002519 L0002520 L0002521 L0002522
SRCGROUP FUJ1-TOP L0002523 L0002524
L0002525 L0002526 L0002527 L0002528
SRCGROUP FUJ1-TOP L0002529 L0002530
L0002531 L0002532 L0002533 L0002534
SRCGROUP FUJ1-TOP L0002535 L0002536
L0002537 L0002538 L0002539 L0002540
SRCGROUP EGM-ROM L0002898 L0002899
L0002900 L0002901 L0002902 L0002903
SRCGROUP EGM-ROM L0002904 L0002905
L0002906 L0002907 L0002908 L0002909
SRCGROUP EGM-ROM L0002910 L0002911
L0002912 L0002913 L0002914 L0002915
SRCGROUP EGM-ROM L0002916 L0002917
L0002918 L0002919 L0002920 L0002921
SRCGROUP EGM-ROM L0002922 L0002923
L0002924 L0002925 L0002926 L0002927
SRCGROUP EGM-ROM L0002928 L0002929
L0002930 L0002931 L0002932 L0002933
SRCGROUP EGM-ROM L0002934 L0002935
L0002936 L0002937 L0002938 L0002939

SRCGROUP EGM-ROM L0002940 L0002941
L0002942 L0002943 L0002944 L0002945
SRCGROUP EGM-ROM L0002946 L0002947
L0002948 L0002949 L0002950 L0002951
SRCGROUP EGM-ROM L0002952 L0002953
L0002954 L0002955 L0002956 L0002957
SRCGROUP EGM-ROM L0002958 L0002959
L0002960 L0002961 L0002962 L0002963
SRCGROUP EGM-ROM L0002964 L0002965
L0002966 L0002967 L0002968 L0002969
SRCGROUP EGM-ROM L0002970 L0002971
L0002972 L0002973 L0002974 L0002975
SRCGROUP EGM-ROM L0002976 L0002977
L0002978 L0002979 L0002980 L0002981
SRCGROUP EGM-ROM L0002982 L0002983
L0002984 L0002985 L0002986 L0002987
SRCGROUP EGM-ROM L0002988 L0002989
SRCGROUP EGM-WRD L0002632 L0002633
L0002634 L0002635 L0002636 L0002637
SRCGROUP EGM-WRD L0002638 L0002639
L0002640 L0002641 L0002642 L0002643
SRCGROUP EGM-WRD L0002644 L0002645
L0002646 L0002647 L0002648 L0002649
SRCGROUP EGM-WRD L0002650 L0002651
L0002652 L0002653 L0002654 L0002655
SRCGROUP EGM-WRD L0002656 L0002657
L0002658 L0002659 L0002660 L0002661
SRCGROUP EGM-WRD L0002662 L0002663
L0002664 L0002665 L0002666 L0002667
SRCGROUP EGM-WRD L0002668 L0002669
L0002670 L0002671 L0002672 L0002673
SRCGROUP EGM-WRD L0002674
SRCGROUP EGM-TOP L0002675 L0002676
L0002677 L0002678 L0002679 L0002680
SRCGROUP EGM-TOP L0002681 L0002682
L0002683 L0002684 L0002685 L0002686
SRCGROUP EGM-TOP L0002687 L0002688
L0002689 L0002690 L0002691 L0002692
SRCGROUP EGM-TOP L0002693 L0002694
L0002695 L0002696 L0002697 L0002698
SRCGROUP EGM-TOP L0002699 L0002700
L0002701 L0002702 L0002703 L0002704
SRCGROUP EGM-TOP L0002705 L0002706
L0002707 L0002708 L0002709 L0002710
SRCGROUP EGM-TOP L0002711 L0002712
L0002713 L0002714 L0002715 L0002716
SRCGROUP EGM-TOP L0002717 L0002718
L0002719 L0002720 L0002721 L0002722
SRCGROUP EGM-TOP L0002723 L0002724
L0002725 L0002726 L0002727 L0002728
SRCGROUP EGM-TOP L0002729 L0002730
L0002731 L0002732 L0002733 L0002734
SRCGROUP EGM-TOP L0002735 L0002736
L0002737 L0002738 L0002739 L0002740
SRCGROUP EGM-TOP L0002741 L0002742
L0002743 L0002744 L0002745 L0002746
SRCGROUP EGM-TOP L0002747 L0002748
L0002749 L0002750 L0002751 L0002752
SRCGROUP EGM-TOP L0002753 L0002754
L0002755 L0002756 L0002757 L0002758
SRCGROUP EGM-TOP L0002759 L0002760
L0002761 L0002762 L0002763 L0002764
SRCGROUP EGM-TOP L0002765 L0002766
L0002767 L0002768 L0002769 L0002770
SRCGROUP EGM-TOP L0002771 L0002772
L0002773 L0002774 L0002775 L0002776
SRCGROUP EGM-TOP L0002777 L0002778
L0002779 L0002780 L0002781 L0002782

SRCGROUP EGM-TOP L0002783 L0002784
L0002785 L0002786 L0002787 L0002788
SRCGROUP EGM-TOP L0002789 L0002790
L0002791 L0002792 L0002793 L0002794
SRCGROUP EGM-TOP L0002795 L0002796
L0002797 L0002798 L0002799 L0002800
SRCGROUP EGM-TOP L0002801 L0002802
L0002803 L0002804 L0002805 L0002806
SRCGROUP EGM-TOP L0002807 L0002808
L0002809 L0002810 L0002811 L0002812
SRCGROUP EGM-TOP L0002813 L0002814
L0002815 L0002816 L0002817 L0002818
SRCGROUP EGM-TOP L0002819
SO FINISHED
**

** AERMOD Receptor Pathway

**
RE STARTING
INCLUDED Audalia_Medcalf.rou
RE FINISHED
**

** AERMOD Meteorology Pathway

**
ME STARTING
SURFFILE ..\..\AERMET\Audalia_Medcalf.SFC
PROFILE ..\..\AERMET\Audalia_Medcalf.PFL
SURFDATA 0 2018
UAIRDATA 0 2018
SITEDATA 1 2018
PROFBASE 420.0 METERS
STARTEND 2018 1 1 1 2018 12 31 24
ME FINISHED
**

** AERMOD Output Pathway

**
OU STARTING
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
POSTFILE 1 EGM UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 VES-WRD UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 FUJ1-WRD UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 VES-TOP UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 FUJ1-ROM UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 HAUL UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 TOP UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 TSF-TSF UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 TSF_PIT UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 WRD UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 VES UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31

```
POSTFILE 1 FUJ_1 UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 FUJ_2 UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 ROM UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 PLANT UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 VES-ROM UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 FUJ1-TOP UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 EGM-ROM UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 EGM-WRD UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
POSTFILE 1 EGM-TOP UNIFORM
Audalia_Medcalf.AD\POSTFILE.POS 31
** Auto-Generated Plotfiles
SUMMFILE Audalia_Medcalf.sum
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN CoordinateSystemUTM
** DESCPTN UTM: Universal Transverse Mercator
** DATUM World Geodetic System 1984
** DTMRGN Global Definition
** UNITS m
** ZONE -51
** ZONEINX 0
**
```