

ATTACHMENT 3

2025 PASSIVE DUSTFALL COMPARED TO FEIS PREDICTIONS

Table 1. Comparison of 2025 passive dustfall annual dustfall¹ against FEIS modelling predictions and 2025 model-predicted annual dustfall

Site	Area	Measured Annual Dustfall (g/m ² /year)	FEIS Predicted Range ²	FEIS Isopleth Upper Limit	FEIS Prediction Comparison	2025 Model-predicted Annual Dustfall ³ (g/m ² /year)	Difference Between Predicted and Measured Dustfall (g/m ² /year)
DF-M-01	Mine Site	107.72	High	N/A ³	Consistent with FEIS prediction	38.6	69.1
DF-M-02	Mine Site	63.62	High	N/A ³	Consistent with FEIS prediction	356.0	-292.4
DF-M-03	Mine Site	74.02	High	N/A ³	Consistent with FEIS prediction	19.5	54.5
DF-M-04	Mine Site	5.29*	Low	4.5	Above prediction by a slight margin	5.5	-0.2
DF-M-05	Mine Site	5.58*	Low	4.5	Above prediction by a slight margin	5.5	0.1
DF-M-06	Mine Site	20.03*	Moderate	50	Consistent with FEIS prediction	5.5	14.5
DF-M-07	Mine Site	20.11*	Moderate	50	Consistent with FEIS prediction	5.5	14.6
DF-M-08	Mine Site	12.18*	Moderate	50	Lower than FEIS prediction	5.5	6.7
DF-M-09	Mine Site	14.02*	Moderate	50	Lower than FEIS prediction	5.5	8.5
DF-P-03	Milne Inlet Port	2.98*	Low	4.5	Consistent with FEIS prediction	5.5	-2.5
DF-P-04	Milne Inlet Port	10.6	Low	4.5	Above prediction	21.3	-10.7
DF-P-05	Milne Inlet Port	43.15	Moderate	50	Consistent with FEIS prediction	524.0	-480.9
DF-P-06	Milne Inlet Port	7.75	Low	4.5	Above prediction	69.4	-61.7
DF-P-07	Milne Inlet Port	6.44	Moderate	50	Much lower than FEIS prediction	497.5	-491.1
DF-P-08	Milne Inlet Port	20.09	Moderate	50	Lower than FEIS prediction	25.9	-5.8
DF-P-09	Milne Inlet Port	7.22*	Moderate	50	Much lower than FEIS prediction	14.0	-6.8

Site	Area	Measured Annual Dustfall (g/m ² /year)	FEIS Predicted Range ²	FEIS Isopleth Upper Limit	FEIS Prediction Comparison	2025 Model-predicted Annual Dustfall ³ (g/m ² /year)	Difference Between Predicted and Measured Dustfall (g/m ² /year)
DF-P-10	Milne Inlet Port	20.93*	Moderate	50	Consistent with FEIS prediction	55.0	-34.1
DF-P-11	Milne Inlet Port	4.02*	Moderate	50	Much lower than FEIS prediction	5.5	-1.5
DF-P-12	Milne Inlet Port	5.5*	Moderate	50	Much lower than FEIS prediction	5.5	0.0
DF-RN-01	Road North	4.67*	Low	4.5	Above prediction by a slight margin	5.5	-0.8
DF-RN-02	Road North	3.84*	Low	4.5	Consistent with FEIS prediction	3.8	0.0
DF-RN-03	Road North	41.5	Moderate	50	Consistent with FEIS prediction	122.4	-80.9
DF-RN-04	Road North	93.86	Moderate	50	Above prediction	270.4	-176.5
DF-RN-05	Road North	153.35	Moderate	50	Above prediction	138.4	15.0
DF-RN-06	Road North	70.66	Moderate	50	Above prediction	63.1	7.6
DF-RN-07	Road North	7.57*	Low	4.5	Above prediction	2.9	4.7
DF-RN-08	Road North	3.69*	Low	4.5	Consistent with FEIS prediction	5.5	-1.8
DF-RS-01	Road South	3.62*	Low	4.5	Consistent with FEIS prediction	—	—
DF-RS-02	Road South	7.09*	Low	4.5	Above prediction	—	—
DF-RS-03	Road South	76.87	Moderate	50	Above prediction	—	—
DF-RS-04	Road South	335.5	Moderate	50	Above prediction	—	—
DF-RS-05	Road South	208.84	Moderate	50	Above prediction	—	—
DF-RS-06	Road South	64.02	Moderate	50	Above prediction	—	—
DF-RS-07	Road South	4.36*	Low	4.5	Consistent with FEIS prediction	—	—
DF-RS-08	Road South	3.28*	Low	4.5	Consistent with FEIS prediction	—	—
DF-RR-01	Tote Road	1.37*	Low	4.5	Consistent with FEIS prediction	—	—

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DF-RR-02	Tote Road	1.38*	Low	4.5	Consistent with FEIS prediction	—	—
DF-TR-25E	Tote Road	7.12*	Low	4.5	Above prediction	2.3	4.8
DF-TR-25W	Tote Road	4.97*	Low	4.5	Above prediction by a slight margin	6.5	-1.5
DF-TR-56E	Tote Road	7.25*	Low	4.5	Above prediction	—	—
DF-TR-56W	Tote Road	5.6*	Low	4.5	Above prediction by a slight margin	—	—
DF-TR-75E	Tote Road	5.71*	Low	4.5	Above prediction by a slight margin	—	—
DF-TR-75W	Tote Road	7.71*	Low	4.5	Above prediction	—	—

¹ Annual accumulations are reported for the period from January 18, 2025, to January 4, 2026.

² FEIS Predictions were based on pre-project dust dispersion models. Low range is <4.5 g/m²/year, moderate range is between 4.6 and 50 g/m²/year, and high range is > 50 g/m²/year. The 'high' range does not have an upper limit; sites modelled in the high category are predicted to have >50 g/m²/year of total suspended particulate matter (dustfall).

* Extrapolated (winter) dustfall predictions were added to the observed dustfall amount. The amount added to the observed quantity was inversely proportional to the number of sampling days (i.e., lower total sampling days resulted in greater amounts added to observed dustfall quantities).

Row shading indicates that the measured annual dustfall exceeded the FEIS or 2025 model -predicted annual dustfall.