

**Cudgen Lakes Sand Quarry
Deposited Dust Monitoring**

Samples On	Samples Off	Month	DG1		DG2		DG3		Annual Criteria	Comments
			Insoluble Matter	Rolling Annual Average	Insoluble Matter	Rolling Annual Average	Insoluble Matter	Rolling Annual Average		
11/07/2017	10/08/2017	Jul-17	0.28	ID	0.98	ID	0.42	ID	4	
10/08/2017	9/09/2017	Aug-17	0.54	ID	0.82	ID	0.74	ID	4	DG1 - cloudy/organic matter.
9/09/2017	9/10/2017	Sep-17	1.36	ID	0.66	ID	0.68	ID	4	
9/10/2017	8/11/2017	Oct-17	4.23	ID	1.71	ID	0.36	ID	4	DG1 - cloudy/organic matter.
8/11/2017	9/12/2017	Nov-17	17.4	ID	15.55	ID	1.02	ID	4	DG1 - cloudy/organic matter. DG2 - green/organic matter. DG3 - slightly green/funnel missing. Only dredging undertaken at Quarry (i.e. no dust generating activities) - earthworks activities occurring southeast of Quarry.
9/12/2017	9/01/2018	Dec-17	9.25	ID	0.84	ID	0.7	ID	4	DG1 - cloudy/organic matter. DG2 - insects. Only dredging undertaken at Quarry (i.e. no dust generating activities) - earthworks activities occurring southeast of Quarry.
9/01/2018	9/02/2018	Jan-18	3.56	ID	0.39	ID	1.04	ID	4	DG1 - cloudy/organic matter. DG2 - organic matter. Only dredging undertaken at Quarry (i.e. no dust generating activities) - earthworks activities occurring southeast of Quarry.
14/04/2020	14/05/2020	Apr-20	13.35	ID	0.64	ID	0.86	ID	4	DG1 - Insects, seeds, two frogs (deceased & semi mature). DG2 - Bird droppings, insects, seeds. DG3 - Insects.
14/05/2020	12/06/2020	May-20	0.85	ID	1.00	ID	0.35	ID	4	DG1 - Grass & seeds, live tree frog removed. DG2 - Ants, seeds, relatively clear. DG3 - Grass & seeds, ants, relatively clear.
12/06/2020	13/07/2020	Jun-20	0.21	ID	0.10	ID	0.13	ID	4	DG1 - Bee, seeds, bird droppings on funnel. DG2 - Insects, seeds, feather. DG3 - Insects, seeds.
13/07/2020	13/08/2020	Jul-20	2.66	ID	2.11	ID	0.17	ID	4	DG1 - Film on surface, ants, seeds. DG2 - Film on surface, ants, seeds. DG3 - Clear, few seeds, few insects.
13/08/2020	11/09/2020	Aug-20	2.6	ID	2.70	ID	0.40	ID	4	DG1 - Bird poo, algae, milky, seeds. DG2 - Seeds, milky. DG3 - Clear, algae, fly.
11/09/2020	13/10/2020	Sep-20	10	ID	2.10	ID	0.20	ID	4	DG1 - Dark grey/black colour, dead frog, bugs, beetles, flies, grass seeds. DG2 - Bird poo, spider, grass seeds, milky colour. DG3 - Clear, spider.
13/10/2020	10/11/2020	Oct-20	3.34	ID	1.66	ID	0.34	ID	4	DG1 - Insects, grass seeds, algae?, water is brown. DG2 - 20 beetles, bird poots, insects, grass seed, water is clear. DG3 - Beetle, insects, grass seeds, algae, water is clear.
10/11/2020	10/12/2020	Nov-20	0.33	ID	0.75	ID	0.37	ID	4	All sites - insects, grass seed, clear.
1/12/2020	11/01/2021	Dec-21	0.02	ID	0.04	ID	0.32	ID	4	All sites - insects, grass seeds. DG2 - Analysed sample volume (0.35L) reduced due to breakage.
11/01/2021	8/02/2021	Jan-21	0.87	ID	0.76	ID	0.00	ID	4	DG1 & DG2 - insects and grass seeds. DG3 - grass seeds.
8/02/2021	9/03/2021	Feb-21	1.44	ID	0.64	ID	2.07	ID	4	All sites - insects, grass seeds, clear.
9/03/2021	9/04/2021	Mar-21	NS	ID	0.83	1.11	0.80	0.50	4	DG2 & DG3 - insects, grass seeds, clear. DG1 sample broken during collection.
9/04/2021	10/05/2021	Apr-21	0.74	2.10	0.07	1.06	0.69	0.49	4	DG1 - grass seeds, insects, bird poo, cloudy. DG2 - grass seeds, ants. DG3 - Bird poo, grass seeds, slightly cloudy.
10/05/2021	7/06/2021	May-21	3.08	2.30	0.12	0.99	0.08	0.46	4	DG1 - insects, grass seeds, algae, cloudy. DG2 - grass seeds, insects, clear. DG3 -
7/06/2021	7/07/2021	Jun-21	2.62	2.52	0.75	1.04	NS	0.49	4	DG1 - grass seeds, insects, clear. DG2 - grass seeds, insects, clear. DG3 - grass seeds, bird poo, insects, algae, clear.
7/07/2021	6/08/2021	Jul-21	0.28	2.30	0.29	0.89	0.58	0.53	4	DG1 - grass, insects, clear. DG2 - grass, insects, clear. DG3 - grass, insects, bird droppings.
6/08/2021	6/09/2021	Aug-21	0.60	2.12	0.59	0.72	0.76	0.56	4	DG1 - grass seeds, insects, clear. DG2 - grass seeds, clear. DG3 - grass seeds, insects, clear.
6/09/2021	8/10/2021	Sep-21	0.06	1.22	0.55	0.59	0.45	0.59	4	All ants
8/10/2021	9/11/2021	Oct-21	0.90	0.99	11.41	1.40	NS	0.61	4	DG1-bugs, fine org. matter. DG2-dirt, large org. matter
9/11/2021	8/12/2021	Nov-21	2.44	1.19	1.98	1.50	NS	0.64	4	DG2-bugs
8/12/2021	7/01/2022	Dec-21	0.45	1.23	1.06	1.59	1.62	0.78	4	All fine org. matter
7/01/2022	9/02/2022	Jan-22	0.50	1.19	0.32	1.55	0.35	0.82	4	DG2 fine organic matter, all sites insects, grass (seeds)
9/02/2022	10/03/2022	Feb-22	0.87	1.14	17.37*	1.63	3.16	0.94	4	DG2 fine organic matter, cloudy
10/03/2022	27/04/2022	Mar-22	NS	1.14	NS	1.71	NS	0.96	4	No samples due to flooding
27/04/2022	27/04/2022	Apr-22	NS	1.18	NS	1.90	NS	1.00	4	No samples due to flooding
27/04/2022	23/05/2022	May-22	NS	0.97	NS	2.12	NS	1.15	4	No samples due to flooding
23/05/2022	29/06/2022	Jun-22	NS	0.76	NS	2.31	NS	1.15	4	bottles reset
30/06/2022	26/07/2022	Jul-22	NS	0.83	NS	2.65	NS	1.27	4	
27/07/2022	25/08/2022	Aug-22	2.97	1.17	3.05	3.06	0.22	1.16	4	fine org. matter, cloudy, yellow
26/08/2022	28/09/2022	Sep-22	3.41	1.65	5.65	3.91	0.06	1.08	4	
28/09/2022	26/10/2022	Oct-22	1.75	1.77	2.91	2.50	1.56	1.16	4	fine org. matter
26/10/2022	24/11/2022	Nov-22	1.57	1.65	2.65	2.61	0.48	1.06	4	dead bugs, yellow, yellow, cloudy, dead bugs
24/11/2022	21/12/2022	Dec-22	0.39	1.64	1.08	2.61	0.00	0.83	4	beetles/ants, large org. matter, fine org. matter
21/12/2022	22/01/2023	Jan-23	0.12	1.58	1.01	2.73	0.26	0.82	4	
22/01/2023	23/02/2023	Feb-23	0.57	1.54	0.43	2.40	0.04	0.37	4	seeds and ants
23/02/2023	27/03/2023	Mar-23	NS	1.54	NS	2.40	NS	0.37	4	Samples not analysed, bottles broken during transit
27/03/2023	24/04/2023	Apr-23	1.17	1.49	0.77	2.19	0.28	0.36	4	seeds and bugs
24/04/2023	24/05/2023	May-23	0.55	1.39	2.88	2.27	3.02	0.66	4	small bugs/bugs, sticks, algae, fine org. matter, Green
24/05/2023	23/06/2023	Jun-23	0.66	1.32	2.44	2.29	0.69	0.66	4	fine and large org. matter, cloudy
Monthly Minimum			0.12	-	0.43	-	0.00	-	-	-
Monthly Maximum			3.41	-	5.65	-	3.02	-	-	-
Average			1.32	-	2.29	-	0.66	-	-	-

ID = Insufficient Data
NS - Not Sampled

