

Water Uses

Table 2 Risk matrix for Section 21 c and i for EB Cloete I/C to Solomon Mahlangu.and Westville viaduct to Paradise Valley for Basic Assessment 1.

Water uses		Co ordinates	Type	Phase	Activity	Aspect	Impact	Severity	Spatial Extent	Duration	Consequence	Likelihood	Significance	Risk Rating		
Section (a), (c) and (i)	M7-01-01	29° 52' 37.1"S 30 ° 56' 42.6"E	Riparian	Construction	Upgrade of tar road	Water contamination/ pollution	Impeding the flow of water. Siltation of watercourse. Erosion of water course. Removal of vegetation	2	1	2	5	11	55	L		
Section (c) and (i)	M7-01-02	29° 52' 37.3"S 30 ° 56' 39.4"E		Construction	Upgrade of tar road	Siltation of riparian zone		1.75	1	2	4.75	9	42.75	L		
	M7-01-03	29 ° 52' 41.1"S 30 ° 56' 34.4"E					Construction	Upgrade of tar road	Siltation of riparian zone	1.75	1	2	4.75	9	42.75	L
	M7-01-04	29 ° 52' 41.8"S 30 ° 56' 28.4"E														
	M7-01-05	29 ° 52' 38.5"E 30 ° 56' 20"S														
Section (a), (c) and (i)	N2-01-01	29 ° 52' 7.2"S 30 ° 57' 4"E	Riparian	Construction	Upgrade of tar road	Clearing of vegetation in proximity to or in a riparian zone		2	1	2	5	9	45	L		
Section (c) and (i)	N2-01-02	29 ° 51' 46.6"S 30 ° 57' 3.9"E														
	N2-01-03	29 ° 51' 23.5"S 30 ° 57' 3.8"E														
	N2-01-04	29 ° 51' 14.7"S 30 ° 57' 4.5"E														
	N2-01-05	29 ° 51' 5.4"S 30 ° 57' 7.8"E														
	N2-01-06	29 ° 50' 55.1"S 30 ° 57' 16.8"E														

	N2-01-07	29 ° 50' 40.2"S 30 ° 57' 20.5"E												
	N2-01-08	29 ° 50' 27.5"S 30 ° 57' 17.3"E												
	N2-01-12	29 ° 49' 41.4"S 30 ° 57' 51.8"E												
	N2-01-13	29 ° 49' 37.1"S 30 ° 57' 57.2"E		Operations	tar road	Infilling of riparian zone		1.75	1	3	5.75	9	51.75	L
	N2-01-14	29 ° 49' 26"S 30 ° 58' 1.3"E												
	N2-01-15	29 ° 49' 1"S 30 ° 58' 20.9"E												
	N2-01-17	29 ° 48' 43.3"S 30 ° 58' 30.5"E												
	N3-01-17	29 ° 50' 25.8"S 30 ° 56' 51.2"E												
	N3-01-18	29 ° 50' 44.7"S 30 ° 56' 18.5"E				Water contamination/pollution		2	1	2	5	9	45	L
	N3-01-19	29 ° 50' 30"S 30 ° 55' 4.4"E												
	N3-01-20	29 ° 50' 24.7"S 30 ° 54' 50.2"E												
	N3-01-21	29 ° 50' 20.4"S 30 ° 54' 43"E												
Section (a), (c) and (i)	N3-01-22	29 ° 50' 5.1"S 30 ° 53' 48.2"E				Increased storm water flows		1.75	1	2	4.75	8	38	L
Section (c) and (i)	N3-01-23	29 ° 50' 2.4"S 30 ° 53' 19"E												
	N2-01-09	29 ° 50' 14.2"S 30 ° 57' 29.1"E	Wetland	Construction	Upgrade of tar road	Water contamination/pollution	Impeding the flow of water. Siltation of watercourse.	1.5	1	2	4.5	11	49.5	L

N2-01-10	29° 50' 4.7"S 30° 57' 33.5"E				Siltation of wetland/riparian zone	Erosion of water course. Removal of vegetation	1.25	1	2	4.25	9	38.25	L
N2-01-16	29° 48' 46.9"S 30° 58' 27"E				Clearing of vegetation in proximity to or in a riparian zone		1	1	2	4	9	36	L
			Operations	tar road	Infilling of wetland/riparian zone		1	1	3	5	9	45	L
					Water contamination/pollution; Increased storm water flows		1.5	1	2	4.5	9	40.5	L
					Increased storm water flows		1.75	1	2	4.75	8	38	L
N2-01-11	29° 49' 53.3"S 30° 57' 38.1"E	Drainage line											