

TABLE 5 RISK MATRIX FOR SECTION 21 C AND I FROM PARADISE VALLEY TO KEY RIDGE

Sites	Location	Type	Phase	Activity	Aspect	Impact	Severity	Spatial Extent	Duration	Consequence	Likelihood	Significance	Risk Rating	Notes	
N3-02-01	29° 50' 5.1"S 30° 52' 51.3"E	Riparian	Construction Phase	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		
N3-02-02	29° 50' 9.7"S 30° 52' 41.3"E				Siltation of riparian zone		1.75	1	2	4.75	9	42.75	L		
N3-02-03	29° 50' 16.7"S 30° 52' 23"E				Clearing of vegetation in close proximity to or in a riparian zone		2	1	2	5	9	45	L		
N3-02-08	29° 49' 45.2"S 30° 50' 19.2"E		Operational Phase	Tar road	Infilling of riparian zone		1.75	1	3	5.75	9	51.75	L	Frequency of activity and frequency of impact lowered to account for an upgrade of existing infrastructure (existing impact). Minimal impact area due to the linear nature of the activity.	
N3-02-09	29° 49' 39.2"S 30° 49' 32.3"E				Water contamination/pollution		2	1	2	5	9	45	L	Under normal conditions i.e. excluding contamination from major accidents/spills.	
N3-02-10	29° 49' 36.1"S 30° 49' 0.5"E				Increased storm water flows										
N3-02-15	29° 48' 54.1"S 30° 46' 22.1"E				NO CONSTRUCTION WILL OCCUR ON SITE N3-02-15				1.75	1	2	4.75	8	38	L
N3-02-16	29° 49' 9.4"S 30° 46' 22.8"E		Operational Phase	Tar road	Increased storm water flows		Impeding the flow of water. Siltation of watercourse. Erosion of water course removal of vegetation.	1.75	1	2	4.75	8	38	L	
N3-02-17	29° 48' 46"S 30° 45' 49.5"E							1.75	1	2	4.75	8	38	L	
N3-02-18	29° 48' 38.6"S 30° 45' 42.2"E							1.75	1	2	4.75	8	38	L	
N3-02-19	29° 48' 19.7"S 30° 44' 55.5"E	1.5				1		2	4.5	11	49.5	L			
N3-02-20	29° 48' 17.1"S 30° 44' 57.5"E					1.25	1	3	4.25	9	38.25	L			

**SANRAL**  
BASIC ASSESSMENT

PROPOSED BASIC ASSESSMENT 2: PROPOSED CAPACITY UPGRADES TO THE N3 (PARADISE VALLEY TO KEY RIDGE) INCLUDING PROVISION OF ACCESS FOR CONSTRUCTION BELOW THE UMHLATUZANA VIADUCT

<b>N3-02-21</b>	29° 48' 3.2"S 30° 44' 41"E	Wetlands	NO CONSTRUCTION WILL OCCUR BETWEEN N3-02-19 AND N3-02-23				1	1	2	4	9	36	L	
<b>N3-02-23</b>	29° 47' 59"S 30° 44' 14.3"E						1.5	1	3	5	9	45	L	Frequency of activity and frequency of impact lowered to account for an upgrade of existing infrastructure (existing impact). Minimal impact area due to the linear nature of the activity.
<b>N3-02-24</b>	29° 47' 40.2"S 30° 44' 2.3"E		Operational Phase	Tar Road	Increased storm water flows	Impeding the flow of water. Siltation of watercourse. Erosion of water course removal of vegetation.	1.75	1	2	4.5	9	40.5	L	Under normal conditions i.e. excluding contamination from major accidents/spills.
<b>N3-02-25</b>	29° 47' 16.3"S 30° 43' 17.1"E		NO CONSTRUCTION WILL OCCUR ON SITE N3-02-25				1.75	1	2	4.75	8	38	L	