SIGNIFICANCE RATING SCALE

	Rating	Description
5	VERY HIGH	Of the highest order possible within the bounds of impacts which could occur. In the case of adverse impacts: there is no possible mitigation and/or remedial activity which could offset the impact. In the case of beneficial impacts, there is no real alternative to achieving this benefit.
4	HIGH	Impact is of substantial order within the bounds of impacts, which could occur. In the case of adverse impacts: mitigation and/or remedial activity is feasible but difficult, expensive, time-consuming or some combination of these. In the case of beneficial impacts, other means of achieving this benefit are feasible but they are more difficult, expensive, time-consuming or some combination of these.
3	MODERATE	Impact is real but not substantial in relation to other impacts, which might take effect within the bounds of those which could occur. In the case of adverse impacts: mitigation and/or remedial activity are both feasible and fairly easily possible. In the case of beneficial impacts: other means of achieving this benefit are about equal in time, cost, effort, etc.
2	LOW	Impact is of a low order and therefore likely to have little real effect. In the case of adverse impacts: mitigation and/or remedial activity is either easily achieved or little will be required, or both. In the case of beneficial impacts, alternative means for achieving this benefit are likely to be easier, cheaper, more effective, less time consuming, or some combination of these.
1	VERY LOW	Impact is negligible within the bounds of impacts which could occur. In the case of adverse impacts, almost no mitigation and/or remedial activity is needed, and any minor steps which might be needed are easy, cheap, and simple. In the case of beneficial impacts, alternative means are almost all likely to be better, in one or a number of ways, than this means of achieving the benefit. Three additional categories must also be used where relevant. They are in addition to the category represented on the scale, and if used, will replace the scale.
0	NO IMPACT	There is no impact at all - not even a very low impact on a party or system.

SPATIAL RATING SCALE

Ratir	ng	Description
5	Global/National	The maximum extent of any impact.
	Regional/Provinc	The spatial scale is moderate within the bounds of impacts possible, and will be felt at a regional scale
4	ial	(District Municipality to Provincial Level).
3	Local	The impact will affect an area up to 5 km from the proposed route corridor.
2	Study Area	The impact will affect a route corridor not exceeding the boundary of the corridor.
4	Isolated Sites /	The impact will effect an eyes as his say than the consist of
1'	proposed site	The impact will affect an area no bigger than the servitude.

TEMPORAL RATING SCALE (DURATION)

LLIVIE	ONAL NATING SCALL	(DOMATION)
Ratin	g	Description
1	Incidental	The impact will be limited to isolated incidences that are expected to occur very sporadically.
2	Short-term	The environmental impact identified will operate for the duration of the construction phase or a period of
2	Short-term	less than 5 years, whichever is the greater.
3	Medium term	The environmental impact identified will operate for the duration of life of the line.
4	Long term	The environmental impact identified will operate beyond the life of operation.
5	Permanent	The environmental impact will be permanent.

DEGREE OF PROBABILITY

Rating	Description
1	1 Practically impossible
2	2 Unlikely
3	Could happen
4	Very Likely
	It's going to happen / has occurred

DEGREE OF CERTAINTY

DEGREE OF CER	IAINTY								
Rating	Description								
Definite	More than 90% sure of a particular fact.								
Probable	3								
Possible	Between 40 and 70% sure of a particular fact or of the likelihood of an impact occurring.								
Unsure	Less than 40% sure of a particular fact or the likelihood of an impact occurring.								
Can't know	The consultant believes an assessment is not possible even with additional research.								

Impact Risk = (SIGNIFICANCE + Spatial + Temporal) / 3 X Probability / 5

Rating	Impact class	Description
0.1 – 1.0	1	Very Low
1.1 – 2.0	2	Low
2.1 – 3.0	3	Moderate
3.1 – 4.0	4	High
4.1 – 5.0	5	Very High

ALTERNATIVE:

				Sit	te 1						Site 3	BA + 3B						"No	-Go"			
	ENVIRONMENTAL ELEMENT	Risdual Direction of Impact	Residual Degree of Certainty	Project Impact - Unmitigated	Project Impact - Mitigated	Status Quo Baseline Impact	Cumulative Impact	Residual Impact	Risdual Direction of Impact	Residual Degree of Certainty	Project Impact - Unmitigated	Project Impact - Mitigated	Status Quo Baseline Impact	Cumulative Impact	Residual Impact	Risdual Direction of Impact	Residual Degree of Certainty	Project Impact - Unmitigated	Project Impact - Unmitigated	Status Quo Baseline Impact	Cumulative Impact	Residual Impact
CODE:																						
	OPERATIONAL PHASE																					
G-2	Geology	Negative	Probable	0	0	3.7	3.7	3.7	Negative	Probable	0	0	3.7	3.7	3.7			0	0	3.7	3.7	3.7
			- 6	NO 0	NO 0	HIGH 3.7	HIGH 3.7	HIGH 3.7		- 6	NO 0	NO 0	HIGH 3.7	HIGH 4	HIGH 4			NO 0	NO 0	HIGH 3.7	HIGH 3.7	HIGH 3.7
T-2	Topography	Negative	Definite	NO	NO	HIGH	HIGH	HIGH	Negative	Definite	NO	NO	HIGH	HIGH	HIGH			NO	NO	HIGH	HIGH	HIGH
SLC-2	Soil and Land Capability	Negative	Probable	1.8 LOW	1 VLOW	MOD	3.7 HIGH	3.3 HIGH	Negative	Probable	LOW	1.2 LOW	MOD	3.7 HIGH	3.7 HIGH			NO	NO	MOD	MOD	MOD
SWW-2	Surface Water and Wetlands	Negative	Probable	1.9	0.8	3.7	3.7	2.7	Negative	Probable	2.4	1	3.7	3.7	3.7			0	0	3.7	3.7	3.7
5	Surface vider and victionas	reguire	TTODUDIC	LOW	VLOW	HIGH	HIGH	MOD	regutive	TTODUDIC	MOD	VLOW	HIGH	HIGH	HIGH			NO	NO	HIGH	HIGH	HIGH
GW-2	Groundwater	Negative	Probable	2.7 MOD	0.8 VLOW	3 MOD	3.3 HIGH	MOD	Negative	Probable	2.7 MOD	0.8 VLOW	MOD	3.3 HIGH	MOD			NO	NO	MOD	MOD	MOD
TF 2	Terrestrial Ecology	Negative	Definite	1.4	2.7	3	3	2.7	Magativa	Definite	1.4	2.7	3	3.3	3			0	0	3	3	3
TE-2	(The direction of the project impact is positive, although the residual impact remains negative)	Negative	Delinite	LOW	MOD	MOD	MOD	MOD	Negative	Delinite	LOW	MOD	MOD	HIGH	MOD			NO	NO	MOD	MOD	MOD
AF-2	Avifauna	Negative	Definite	NO	0 NO	3 MOD	3 MOD	3 MOD	Negative	Definite	NO	0 NO	3 MOD	3	3 MOD			NO	0 NO	MOD	3	3
				1.3	0.8	3.3	3.3	3.3			1.2	0.7	3.3	3.3	3.3			0	0	3.3	3.3	3.3
AQ-2	Air Quality	Negative	Possible	LOW	VLOW	HIGH	HIGH	HIGH	Negative	Possible	LOW	VLOW	HIGH	HIGH	HIGH			NO	NO	HIGH	HIGH	HIGH
N-2	Noise	Negative	Probable	0	0	2.7	2.3	2.3	Negative	Probable	0	0	2.7	2.3	2.3			0	0	2.7	2.7	2.7
				NO 0.3	NO 0.6	MOD 2.7	MOD 2.7	MOD 2.7			NO 0.6	NO 0.9	MOD 2.7	MOD 2.7	MOD 2.7			NO 0	NO 0	MOD 2.7	4.7	MOD 4.7
SOC-2	Social Environment	Positive	Probable	VLOW	VLOW	MOD	MOD	MOD	Positive	Probable		VLOW	MOD	MOD	MOD	Negative	Definite	NO	NO	MOD	VHIGH	
EC-2	Economic	Positive	Definite	0	0	2.7	3	3	Positive	Definite	0	0	2.7	2.4	2.4	Negative	Definite	0	0	2.7	4.7	4.7
				NO 0	NO 0	MOD 2.7	MOD 4.3	MOD 2.7			NO 0	NO 0	MOD 2.7	4.3	MOD 2.7	-0		NO O	NO 0	MOD 2.7	VHIGH 2.7	VHIGH 2.7
INF-2	Infrastructure and Traffic	Negative	Definite	NO	NO	MOD	VHIGH	MOD	Negative	Definite	NO	NO	MOD	VHIGH	MOD			NO	NO	MOD	MOD	MOD
V-2	Visual	Negative	Definite	2.3	2	3.7	3.7	3.7	Negative	Definite	2.3	2	3.7	3.7	3.7			0	0	3.7	3.7	3.7
_ * -	1344	.vegative	Semine	MOD	LOW	HIGH	HIGH	HIGH	.vegative	Demine	MOD	LOW	HIGH	HIGH	HIGH			NO	NO	HIGH	HIGH	HIGH
ArCH-2	Archaeology, Palaeongology, Cultural Heritage	No Impact	Definite	NO	NO	NO	0 NO	0 NO	No Impact	Definite	NO	NO	NO	NO	0 NO			NO	NO	NO	NO	NO

Reviewed By:						9	ite 1					Site	3A + 3B	,				"N	0-G0"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
G-2	Geology																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	NO ADDITIONAL IMPACT				0				0		0				0		0				0
		No Impact	Definite	1	NO				NO	1	NO				NO	1	NO				NO
Mitigation Measures:	None Required				0 NO				0 NO		0 NO				0 NO		0 NO				0 NO
	BEFORE MITIGATION	No Impact	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED	BEFORE WITHGATION	No impact	Dennite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
WEIGHTED RATING	AFTER MITIGATION				0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	No Impact	Definite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
STATUS OUR	INITIAL PASSURE IN ARASTS TO SANGROUN ASAIT	No. of the last of	D. J. J.		3	3	5	5	3.7		3	3	5	5	3.7		3	3	5	5	3.7
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Probable		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH	1	MOD	LOCAL	PERM	OCCUR	HIGH
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Ni	Deskahla		3	3	5	5	3.7		3	3	5	5	3.7		3	3	5	5	3.7
IMPACT	PROJECT, BEFORE MITIGATION	Negative	Probable		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Namakiya	Dushahla		3	3	5	5	3.7		3	3	5	5	3.7		3	3	5	5	3.7
IMPACT	PROJECT, AFTER MITIGATION	Negative	Probable		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH

Rated By: Warren Kok
Reviewed By: ALTERNATIVES:

Reviewed By:						9	ite 1					Site	3A + 3B					"N	10-GO"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
T-2	Topography																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	NO ADDITIONAL IMPACT				0				0		0				0		0				0
Mitigation		No Impact	Definite	1	NO				NO 0	1	NO				NO 0	1	NO				NO 0
Measures:	None Required				NO				NO		NO				NO		0 NO				NO
	BEFORE MITIGATION	No Impact	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED	BEI ONE WITHOUTON	No impact	Demine		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
WEIGHTED RATING	AFTER MITIGATION	No Impact	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	No impact	Demine		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
STATUS OUG	INITIAL DASSUBILITIADA CTS TO ENIVERONIMATAIT	Namakiya	Definite.		3	3	5	5	3.7		3	3	5	5	3.7		3	3	5	5	3.7
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Definite		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Namakiya	D-fi-it-		3	3	5	5	3.7		4	3	5	5	4		3	3	5	5	3.7
IMPACT	PROJECT, BEFORE MITIGATION	Negative	Definite		MOD	LOCAL	PERM	OCCUR	HIGH		HIGH	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	NI + i	D-fi-it-		3	3	5	5	3.7		4	3	5	5	4		3	3	5	5	3.7
IMPACT	PROJECT, AFTER MITIGATION	Negative	Definite		MOD	LOCAL	PERM	OCCUR	HIGH		HIGH	LOCAL	PERM	OCCUR	HIGH		MOD	LOCAL	PERM	OCCUR	HIGH

Reviewed By:	wurren kok		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NATIVES		ite 1			ı		Sito	3A + 3E	1		1		"N	10-GO"			
Reviewed by.		ī	ī				ite i					Jite	3A 1 3L	,	1			11	10-00		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
SLC-2	Soil and Land Capability																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	Pollution of soils - leachate				4	1	5	4	2.7		5	1	5	4	2.9		0				0
Impact 1	1 oliution of 30lis - leachate	Negative	Definite	5	HIGH	ISO	PERM	VLIKE	MOD	5	VHIGH	ISO	PERM	VLIKE	MOD	1	NO				NO
Mitigation	Install leachate collection system	Negative	Demine	,	2	1	5	3	1.6	,	3	1	5	3	1.8	1 -	0				0
Measures:	motan reactive concessor system				LOW	ISO	PERM	COULD	LOW		MOD	ISO		COULD	LOW		NO				NO
Impact 2	Erosion of soils				3	1	5	5	3		4	1	5	5	3.3		0				0
Milliantina	Discounting of the desired of the second of	Negative	Definite	3	MOD	ISO		OCCUR	MOD	3	HIGH	ISO		OCCUR			NO				NO 0
Mitigation Measures:	Place soil stockpiles out of water courses, Revegetate Stockpiles, Stormwater Management				2 LOW	ISO	5 PERM	3 COULD	1.6 LOW		3 MOD	1 ISO	5 PERM	3 COULD	1.8 LOW		0 NO				NO
ivieasures.	Stormwater wanagement						P LIKIVI				_							0	0	0	
0014511155	BEFORE MITIGATION	Negative	Definite		2.9	0.8	4	3.5	1.8		3.7	0.8	4	3.5	2		0	0	0	0	0
COMBINED WEIGHTED		· ·			MOD	ISO	LONG	VLIKE	LOW		HIGH	ISO	LONG	VLIKE	LOW		NO	#N/A	#N/A	#N/A	NO
_	AFTER MITIGATION				1.6	0.8	4	2.4	1		2.4	0.8	4	2.4	1.2		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	Negative	Definite		LOW	ISO	LONG	COULD	VLOW		MOD	ISO	LONG	COULD	LOW		NO	#N/A	#N/A	#N/A	NO
					2	2	5	5	3			2			3			711177			
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Probable					_	J		2		5	5	·		2	Z	5	5	3
					LOW	STUDY	PERM	OCCUR	MOD		LOW	STUDY	PERM	OCCUR	MOD		LOW	STUDY	PERM	OCCUR	MOD
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Negative	Probable		4	2	5	5	3.7		4	2	5	5	3.7		2	2	5	5	3
IMPACT	PROJECT, BEFORE MITIGATION	ivegative	riodable		HIGH	STUDY	PERM	OCCUR	HIGH		HIGH	STUDY	PERM	OCCUR	HIGH		LOW	STUDY	PERM	OCCUR	MOD
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				3	2	5	5	3.3		4	2	5	5	3.7		2	2	5	5	3
	PROJECT, AFTER MITIGATION	Negative	Probable		MOD	STUDY	PERM	OCCUR	HIGH		HIGH	STUDY	PERM	OCCUR			LOW	STUDY	PERM	OCCUR	MOD

Rated By: Warren Kok ALTERN Site 1 Site 3A + 3B "NO-GO" Reviewed By: Risk Risk mpact Risk robability robability Neighting IMPACT DESCRIPTION mpact I Direction of Impact | Degree of Certainty patial SWW-2 Surface Water and Wetlands OPERATIONAL PHASE 5 Decreased water quality - leachate, suspended solids, turbidity, 3 3 5 **3.3** 5 3 2 5 **3.3** 0 0 4 Impact 1 hydrocarbons, E.coli and trace elements HIGH LOCAL MED OCCUR LOCAL SHORT OCCUR NO NO Definite 5 5 1 Negative Mitigation Suitably sized stormwater infrastructure. Water treatment of De 1 1 3 3 **1** 2 1 4 0 0 Jager's Pan. Build >100m from SW Resources. VLOW ISO MED COULD VLOW LOW STUDY INCID VLIKE LOW NO Measures: NO 2 3 4 2 5 **2.7** 0 2 1.9 3 3 0 Sedimentation of wetlands and surface water resources Impact 2 LOW STUDY MED MOD LOCAL SHORT OCCL MOD NO NO VLIKE LOW Negative Definite 5 Mitigation Suitably sized stormwater infrastructure. Water treatment of De 1 1 3 0.7 1 3 0 0 Measures: Jager's Pan. Build >100m from SW Resources. VLOW ISO MED UNLIK **VLOW** LOW STUDY INCID COULD VLOW NO NO 1 3 2 4 1.3 0 0 Reduction in habitat integrity of downstream wetland areas Impact 3 VLOW ISO MED COULD LOW ISO SHORT VLIKE LOW NO **VLOW** NO 5 5 Negative Probable Mitigation Suitably sized stormwater infrastructure. Water treatment of De 2 0.8 0 1 3 2 0.7 1 1 3 0 Measures: Jager's Pan. Build >100m from SW Resources. VLOW ISO MED UNLIKE **VLOW** VLOW ISO SHORT COULD **VLOW** NO NO 2.3 2 3 4 1.9 3.3 2.3 2 4.7 2.4 0 0 0 0 0 BEFORE MITIGATION Negative Definite COMBINED STUDY MED MOD VLIKE LOW HIGH LOCAL SHORT OCCU MOD NO #N/A #N/A #N/A NO WEIGHTED 2.3 0.8 1.7 1.7 1.3 3.3 1 3 1 0 0 0 0 0 AFTER MITIGATION 1 RATING Definite Negative (If mitigation is effective / possible this rating wil decrease) VLOW ISO MED COULD **VLOW** LOW STUDY SHORT VLIKE **VLOW** NO #N/A #N/A #N/A NO 3.7 3.7 3.7 4 5 4 5 4 STATUS QUO INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative Probable HIGH LOCAL LONG OCCU **HIGH** HIGH LOCAL LONG OCCUR HIGH HIGH LOCAL LONG HIGH CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM 4 3 4 5 3.7 4 4 5 3.7 4 3 4 5 3.7 Negative Probable IMPACT PROJECT, BEFORE MITIGATION LOCAL LONG HIGH HIGH LOCAL HIGH HIGH LOCAL LONG OCCU HIGH LONG HIGH 2 2 4 5 2.7 4 3 4 5 3.7 4 3 4 5 3.7 RESIDUAL INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM Negative Probable IMPACT PROJECT, AFTER MITIGATION LOW STUDY LONG OCCU MOD HIGH LOCAL LONG OCCUR HIGH LOCAL HIGH LONG HIGH

ALTERNATIVES: Rated By: Warren Kok Reviewed By: Site 1 Site 3A + 3B "NO-GO" Risk mpact Risk mpact Risk robability Neighting robability Neighting IMPACT DESCRIPTION Direction of Impact Degree of Certainty patial GW-2 Groundwater OPERATIONAL PHASE 3 4 4 2.7 3 3 4 4 2.7 0 0 Decreased water quality - Leachate (heavy metals) Impact 1 MOD LOCAL LONG VLIKE MOD LOCAL LONG VLIKE NO MOD NO MOD Negative Definite 5 5 1 Mitigation 2 1 1 3 0.8 2 1 1 3 0.8 0 0 Install leachate collection, Install Barrier System LOW ISO INCID COULD VLOW LOW ISO INCID COULD VLOW NO Measures: NO 3 2.7 4 2.7 0 0 3 4 4 3 3 4 0 0 BEFORE MITIGATION Negative Definite COMBINED MOD LOCAL LONG VLIKE MOD MOD LOCAL LONG VLIKE MOD NO #N/A #N/A #N/A NO WEIGHTED 2 1 1 3 0.8 1 1 3 0.8 0 0 0 0 RATING AFTER MITIGATION Negative Definite (If mitigation is effective / possible this rating wil decrease) LOW ISO INCID COULD LOW INCID COULD VLOW NO **VLOW** ISO #N/A #N/A #N/A NO 2 3 4 5 3 2 4 5 3 2 4 5 3

LOW

3

MOD

2 3

LOCAL LONG OCCL

LOCAL LONG OCCUI

LOW LOCAL LONG OCCU

3

4 5

4 5

MOD

3.3

HIGH

3

MOD

LOW

3

MOD

2 3

LOCAL LONG OCCU

4 5

LOCAL LONG OCCUR

4 5

LOW LOCAL LONG OCCU

3

MOD

3.3

HIGH

3

MOD

LOW LOCAL LONG

2

LOW

2 3

LOW

3

LOCAL LONG

4 5

4 5

LOCAL LONG

MOD

3

MOD

3

MOD

Negative

Negative

Negative

Probable

Probable

Probable

STATUS QUO

IMPACT

RESIDUAL

IMPACT

INITIAL IMPACTS TO ENVIRONMENT

PROJECT, BEFORE MITIGATION

PROJECT, AFTER MITIGATION

CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM

INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM

ALTERNATIVES: Rated By: Warren Kok Site 1 Site 3A + 3B "NO-GO" Reviewed By: Risk Risk Impact Risk **Aagnatude** Aagnatude Weighting Weighting IMPACT DESCRIPTION Direction of Impact Degree of Certainty emporal Impact I **Femporal** Impact I TE-2 Terrestrial Ecology OPERATIONAL PHASE 5 1 4 3 1.4 2 1 4 3 1.4 0 0 Impact 1 Consecutive rehabiliation LOW ISO LONG COULD LOW LOW ISO LONG COULD LOW NO NO 5 Positive Definite 5 1 Alien invasive control, Ameliorate soils replaced, Indigenous seedmix, 3 1 4 5 2.7 1 4 5 2.7 0 0 Mitigation Watering of seeded areas MOD ISO LONG MOD ISO LONG NO Measures: MOD MOD NO 1.4 1.4 0 2 1 4 3 4 0 0 0 0 2 1 3 BEFORE MITIGATION Positive Definite COMBINED LOW ISO LONG COULD LOW LOW ISO LONG COULD LOW NO #N/A #N/A #N/A NO WEIGHTED 2.7 3 1 4 5 3 1 4 5 2.7 0 0 0 0 0 RATING AFTER MITIGATION Positive Definite (If mitigation is effective / possible this rating wil decrease) MOD ISO LONG OCCU MOD MOD ISO NO #N/A #N/A #N/A NO LONG OCCU MOD 3 4 3 4 5 3 3 4 3 2 5 3 2 2 5 STATUS QUO INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative Definite MOD STUDY LONG OCCU MOD STUDY LONG OCCU MOD STUDY LONG MOD MOD MOD 5 3 4 5 3 5 3 CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM 3 2 4 4 2 3.3 4 Negative Definite IMPACT PROJECT, BEFORE MITIGATION MOD STUDY LONG OCCUP MOD STUDY LONG OCCU MOD HIGH STUDY LONG OCCUR HIGH MOD 2 2 4 5 2.7 4 5 3 3 5 3 RESIDUAL INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM 3 2 4 Negative Definite IMPACT PROJECT, AFTER MITIGATION LOW STUDY LONG OCCU MOD MOD STUDY LONG OCCU MOD MOD STUDY LONG MOD Rated By: Warren Kok ALTERNATIVES:
Reviewed By:

Reviewed By:						9	Site 1					Site	3A + 3B					"N	0-G0"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
AF-2	Avifauna																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	NO ADDITIONAL IMPACT				0				0		0				0		0				0
		No Additional Impact	Definite	1	NO				NO	1	NO				NO	1	NO				NO
Mitigation Measures:	None Required	·			NO NO				NO		NO NO				0 NO		0 NO				NO
wiedsures.					0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED	BEFORE MITIGATION	Negative	Definite		NO	#N/A	#N/A	#N/A	NO		NO	_	#N/A		NO		NO		#N/A		NO
WEIGHTED RATING	AFTER MITIGATION	N			0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	Negative	Definite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
CTATUS OUG	INITIAL DACELINE INADACTE TO ENVIDONINAENT	Manadion	Definite		3	2	4	5	3		3	2	4	5	3		3	2	4	5	3
STATUS QUU	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Definite		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Nogativo	Definite		3	2	4	5	3		3	2	4	5	3		3	2	4	5	3
IMPACT	PROJECT, BEFORE MITIGATION	Negative	Definite		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Negative	Definite		3	2	4	5	3		3	2	4	5	3		3	2	4	5	3
IMPACT	PROJECT, AFTER MITIGATION	Negative	Definite		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD		MOD	STUDY	LONG	OCCUR	MOD

Rated By:	Warren Kok	1	ALILINI	NATIVES																	
Reviewed By:							ite 1					Site	3A + 3E	3				"N	10-GO"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
AQ-2	Air Quality																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	Greenhouse gas emissions				2	1	2	3	1		2	2	2	3	1.2		0				0
	3	Negative	Possible	3	LOW	ISO	SHORT	COULD	VLOW	3	LOW	STUDY	SHORT	COULD	LOW	1	NO				NO
-	Reduce energy consumption, Regular vehicle maintenance,	reguire	1 0001010	,	1	1	2	3	0.8	, ,	1	2	2	3	1	1 *	0				0
Measures:	Consecutive Rehab				VLOW	ISO		COULD						COULD			NO				NO
Impact 2	Nuisance and fall out dust				3 MOD	3 LOCAL	3 MED	5 OCCUR	MOD		3 MOD	3 LOCAL	3 MED	5 OCCUR	MOD		0 NO				0 NO
Mitigation	Watering to reduce dust mobilisation, Use Site 3, Revegetate	Negative	Possible	3	3	1	3	5	2.3	2	3	1	2	5	2		0				0
Ü	stockpiles, Dust-aside / Chemical Suppressant on Roads.				MOD	ISO	MED	OCCUR	MOD		MOD	ISO	SHORT		LOW		NO				NO
					3	4	3	5	3.3		4	4	3	5	3.7		0				0
Impact 3	Increased particulate matter (PM2.5 and PM10)	Negative	Possible	5	MOD	REG	MED	OCCUR	HIGH	5	HIGH	REG	MED	OCCUR	HIGH		NO				NO
Mitigation	Watering to reduce dust mobilisation, Use Site 3, Revegetate	ivegative	rossible	5	2	3	3	3	1.6	٦	3	3	3	3	1.8		0				0
Measures:	stockpiles, Dust-aside / Chemical Suppressant on Roads.				LOW	LOCAL	MED	COULD	LOW		MOD	LOCAL	MED	COULD	LOW		NO				NO
	DEFENDE ANTIQUENCY		D		2	2.1	2	3.3	1.3		2.1	2.1	1.8	2.9	1.2		0	0	0	0	0
COMBINED	BEFORE MITIGATION	Negative	Possible		LOW	LOCAL	SHORT	VLIKE	LOW		MOD	LOCAL	SHORT	COULD	LOW		NO	#N/A	#N/A	#N/A	NO
WEIGHTED	AFTER ANTICATION				1.5	1.4	2	2.6	0.8		1.6	1.5	1.7	2.3	0.7		0	0	0	0	0
	AFTER MITIGATION (If mitigation is effective / possible this rating wil decrease)	Negative	Possible																		
	(i) mitigation is effective / possible this rating will decrease)				LOW	STUDY	SHORT	COULD	VLOW			STUDY	SHORT	_	VLOW		NO	#N/A	#N/A	#N/A	NO
STATUS OUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Possible		3	4	3	5	3.3		3	4	3	5	3.3		3	4	3	5	3.3
555 Q50	THE STOCKET WITHOUT TO ENVIRONMENT	TTCBUCITC	1 0331010		MOD	REG	MED	OCCUR	HIGH		MOD	REG	MED	OCCUR	HIGH		MOD	REG	MED	OCCUR	HIGH
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Nonetica	Danaible		3	4	3	5	3.3		3	4	3	5	3.3		3	4	3	5	3.3
IMPACT	PROJECT, BEFORE MITIGATION	Negative	Possible		MOD	REG	MED	OCCUR	HIGH		MOD	REG	MED	OCCUR	HIGH		MOD	REG	MED	OCCUR	HIGH
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				3	4	3	5	3.3		3	4	3	5	3.3		3	4	3	5	3.3
	PROJECT, AFTER MITIGATION	Negative	Possible		MOD	REG	MED	OCCUR			MOD	REG	MED	OCCUR			MOD	REG	MED	OCCUR	

Reviewed By:						9	Site 1					Site	3A + 3E					"N	10-G0"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
N-2	Noise																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	Increased ambient noise levels				0				0		0				0		0				0
		Negative	Probable	1	NO				NO	1	NO				NO	1	NO				NO
Mitigation Measures:	6am - 6pm construction time, No Construction on Sundays				0 NO				0 NO		0 NO				NO		0 NO				0 NO
	BEFORE MITIGATION	Negative	Probable		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED WEIGHTED					NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
_	AFTER MITIGATION	Negative	Probable		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	riegative	11000010		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
STATUS OUG	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Probable		2	3	3	5	2.7		2	3	3	5	2.7		2	3	3	5	2.7
31A103 Q00	INTIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	FIODAble		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Negative	Probable		2	2	3	5	2.3		2	2	3	5	2.3		2	3	3	5	2.7
IMPACT	PROJECT, BEFORE MITIGATION	ivegative	riobable		LOW	STUDY	MED	OCCUR	MOD		LOW	STUDY	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Negative	Probable		2	2	3	5	2.3		2	2	3	5	2.3		2	3	3	5	2.7
IMPACT	PROJECT, AFTER MITIGATION	ivegative	Flobable		LOW	STUDY	MED	OCCUR	MOD		LOW	STUDY	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD

Reviewed By:	Walter Kok						ite 1					Site	3A + 3E	3		I		"N	10-GO"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
SOC-2	Social Environment																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	Employment Oportunities - direct and indirect				1	3	3	2	0.9		1	3	3	2	0.9		0				0
	Employment oportunities affect and market	Positive	Probable	5		LOCAL		UNLIKE	VLOW	5		LOCAL		UNLIKE		5	NO				NO
Mitigation	Employ Unemployed Locals				2	3	3	3	1.6	Ĭ	2	3	3	3	1.6	Ĭ	0				0
Measures:					LOW	LOCAL 3	MED 3	COULD 2	LOW		LOW 3	LOCAL 3	MED 3	COULD 3			NO 0				NO O
Impact 2	Less environmental nuisance				LOW	LOCAL	_	UNLIKE	1.1 LOW		MOD	LOCAL		COULD	1.8 LOW		NO				NO
Mitigation	Maintain - (Complaints register and Feedback, Fines for breaking	Positive	Probable	1	3	3	3	4	2.4	2	3	3	3	4	2.4	1	0				0
Measures:	rules)				MOD	LOCAL	MED	VLIKE	MOD			LOCAL	MED	VLIKE	MOD		NO				NO
					0.7	1.8	1.8	1.2	0.3		1.1	2.1	2.1	1.6	0.6		0	0	0	0	0
COMBINED	BEFORE MITIGATION	Positive	Probable		VIOW	STUDY	SHORT	UNLIKE	VLOW		LOW	LOCAL	MED	UNLIKE	VLOW		NO	#N/A	#N/A	#N/A	NO
WEIGHTED																			1		
RATING	AFTER MITIGATION	Positive	Probable		1.3	1.8	1.8	1.9	0.6		1.6	2.1	2.1	2.3	0.9		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)				LOW	STUDY	SHORT	UNLIKE	VLOW		LOW	LOCAL	MED	COULD	VLOW		NO	#N/A	#N/A	#N/A	NO
STATUS OUG	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Positive	Probable		2	3	3	5	2.7		2	3	3	5	2.7		2	3	3	5	2.7
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Positive	Probable		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				2	3	3	5	2.7		2	3	3	5	2.7		5	5	4	5	4.7
IMPACT	PROJECT, BEFORE MITIGATION	Positive	Probable		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD		VHIGH	NAT	LONG	OCCUR	VHIGH
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				2	3	3	5	2.7		2	3	3	5	2.7		5	5	4	5	4.7
IMPACT	PROJECT, AFTER MITIGATION	Positive	Probable			LOCAL		OCCUR			LOW	LOCAL					VHIGH	NAT			VHIGH

Rated By: Warren Kok ALTERNATIVES:

Reviewed By:

Reviewed By:						S	ite 1					Site	3A + 3B					"N	0-G0"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
EC-2	Economic																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	NO ADDITIONAL IMPACT				0				0		0				0		0				0
		NO IMPACT	Definite	1	NO				NO O	1	NO				NO	1	NO				NO
Mitigation Measures:	None Required				0 NO				NO		0 NO				0 NO		0 NO				NO
	BEFORE MITIGATION	Positive	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED WEIGHTED					NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
RATING	AFTER MITIGATION	Diti	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	Positive	Definite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
CT.47116 0110	INITIAL DASSUME INADASTS TO SANUDOMASAT		5.00		2	3	3	5	2.7		2	3	3	5	2.7		2	3	3	5	2.7
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Positive	Definite		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD		LOW	LOCAL	MED	OCCUR	MOD
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Positive	Definite		3	3	3	5	3		3	3	3	4	2.4	Non	5	5	4	5	4.7
IMPACT	PROJECT, BEFORE MITIGATION	Positive	Dennite		MOD	LOCAL	MED	OCCUR	MOD		MOD	LOCAL	MED	VLIKE	MOD	Neg	VHIGH	NAT	LONG	OCCUR	VHIGH
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Dositivo	Definite		3	3	3	5	3		3	3	3	4	2.4	Non	5	5	4	5	4.7
IMPACT	PROJECT, AFTER MITIGATION	Positive	Definite		MOD	LOCAL	MED	OCCUR	MOD		MOD	LOCAL	MED	VLIKE	MOD	Neg	VHIGH	NAT	LONG	OCCUR	VHIGH

Trainen non		i i																		
				9	Site 1					Site	3A + 3B	3				"N	0-G0"			
IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
Infrastructure																				
OPERATIONAL PHASE			5						5						5					
NO ADDITIONAL IMACT				0				0		0				0		0				0
	No Impact	Definite	5	NO					1	_				NO	1					NO
None Required.	·		_	0					_					0	-	_				NO NO
				NO	0	0	0	-			0	0	0	NU			0	0	0	
BEFORE MITIGATION	No Impact	Definite		U	U	U	U	_						U				_	U	0
				NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
AFTER MITIGATION	No locate	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
(If mitigation is effective / possible this rating wil decrease)	No impact	Definite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
				3	2	3	5	2.7		3	2	3	5	2.7		3	2	3	5	2.7
INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Definite		MOD	STUDY	MED	OCCUR	MOD		MOD	STUDY	MED	OCCUR	MOD		MOD	STUDY	MED	OCCUR	MOD
INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM		- 4 -		5	5	3	5	4.3		5	5	3	5	4.3		3	2	3	5	2.7
	Negative	Definite		VHIGH	NAT	MED	OCCUR	VHIGH		VHIGH	NAT	MED	OCCUR	VHIGH		MOD	STUDY	MED	OCCUR	MOD
INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	Marrie	5.6.1		3	2	3	5	2.7		3	2	3	5	2.7		3	2	3	5	2.7
PROJECT, AFTER MITIGATION	Negative	Definite		MOD	STUDY	MED	OCCUR	MOD		MOD	STUDY	MED	OCCUR	MOD		MOD	STUDY	MED	OCCUR	MOD
	IMPACT DESCRIPTION Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT None Required. BEFORE MITIGATION (If mitigation is effective / possible this rating wil decrease) INITIAL BASELINE IMPACTS TO ENVIRONMENT INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION	IMPACT DESCRIPTION Direction of Impact Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT None Required. BEFORE MITIGATION AFTER MITIGATION (If mitigation is effective / possible this rating wil decrease) INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM Negative	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT None Required. BEFORE MITIGATION No Impact Definite AFTER MITIGATION (If mitigation is effective / possible this rating wil decrease) INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative Definite INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION Negative Definite	Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT No Impact Definite Fig. 1 No Impact Definite Definite Definite To Environment No Impact Definite Definite Definite INITIAL BASELINE IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION Negative Definite Definite	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT No Impact No Impact Definite To No Impact Definite ONO NO NO NO NO NO AFTER MITIGATION (If mitigation is effective / possible this rating will decrease) INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative Definite Definite To No No Impact Definite ONO NO NO NO NO NO NO NO NO	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT No Impact No Impact Definite Definite Definite O	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Infrastructure OPERATIONAL PHASE NO ADDITIONAL IMACT No Impact Definite Definite Definite Definite ONO NO NO NO NO NO NO NO NO	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Site 1 Impact D	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty	IMPACT DESCRIPTION	IMPACT DESCRIPTION	IMPACT DESCRIPTION Direction of Impact Degree of Certainty Degree of Certainty

Reviewed By:						9	Site 1					Site	3A + 3E	3				"N	10-GO"		
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
V-2	Visual																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	Visual impact - Ash Dam				3	2	2	5	2.3		3	2	2	5	2.3		0				0
·		Negative	Definite	5	MOD	STUDY	SHORT	OCCUR	MOD	5		STUDY	SHORT		MOD	1	NO				NO
Mitigation Measures:	Revegetate exposed areas consecutively, clean litter and waste				LOW	STUDY	SHORT	OCCUR	LOW		2 LOW	STLIDY	2 SHORT	5 OCCUR	LOW		0 NO			\vdash	NO NO
					3	2	2	5	2.3		3	2	2	5	2.3		0				0
Impact 2	Visual Impact - Associated Infrastructure	Negative	Definite	5	MOD	STUDY	SHORT	OCCUR	MOD	5	MOD	STUDY	SHORT	OCCUR	MOD	1	NO				NO
Mitigation	Maintain revegetated areas, clean litter and waste	ivegative	Delinite	3	2	2	2	5	2	5	2	2	2	5	2	1	0				0
Measures:	3					STUDY			LOW			STUDY		OCCUR	LOW		NO				NO
	BEFORE MITIGATION	Negative	Definite		3	2	2	5	2.3		3	2	2	5	2.3		0	0	0	0	0
COMBINED WEIGHTED					MOD	STUDY	SHORT	OCCUR	MOD		MOD	STUDY	SHORT	OCCUR	MOD		NO	#N/A	#N/A	#N/A	NO
RATING	AFTER MITIGATION				2	2	2	5	2		2	2	2	5	2		0	0	0	0	0
_	(If mitigation is effective / possible this rating wil decrease)	Negative	Definite		LOW	STUDY	SHORT	OCCUR	LOW		LOW	STUDY	SHORT	OCCUR	LOW		NO	#N/A	#N/A	#N/A	NO
					4	3	4	5	3.7		4	3	4	5	3.7		4	3	4	5	3.7
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	Negative	Definite		HIGH	LOCAL	LONG	OCCUR			HIGH	LOCAL	LONG	OCCUR			HIGH	LOCAL	LONG	OCCUR	HIGH
CHMIII ATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				4	3	4	5	3.7		4	3	4	5	3.7		4	3	4	5	3.7
IMPACT	PROJECT, BEFORE MITIGATION	Negative	Definite		HIGH	LOCAL	LONG	OCCUR			HIGH		LONG				HIGH	LOCAL		OCCUR	HIGH
	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM				4	3	4	5	3.7		4	3	4	5	3.7		4	3	4	5	3.7
RESIDUAL IMPACT	PROJECT, AFTER MITIGATION	Negative	Definite		иси	LOCAL	LONG						LONG						LONG		
IIII ACI					HIGH	LUCAL	LUNG	OCCUR	HIGH		пин	LUCAL	LUNG	UCCUR	HIGH		пин	LUCAL	LUNG	OCCUR	HIGH

Rated By: ALTERNATIVES:

Rateu by.		-	ALIERIN	MITTE	•																
Reviewed By:		·		9	ite 1				·	Site	3A + 3B	·				"N	0-G0"				
	IMPACT DESCRIPTION	Direction of Impact	Degree of Certainty	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk	Weighting	Magnatude	Spatial	Temporal	Probability	Impact Risk
ArCH-2	Archaeology, Palaeontology, Cultural Heritage																				
	OPERATIONAL PHASE			5						5						5					
Impact 1	NO ADDITIONAL IMPACT				0				0		0				0		0			1	0
	THE PROPERTY OF THE PROPERTY O	No Impact	Definite	1	NO				NO	1	NO				NO	1	NO			—	NO
Mitigation	Mitigation:			_	0 NO				0	_	0				0	_	0 NO			₩	0
Measures:					NU				NO		NO				NO						NO
	BEFORE MITIGATION	No Impact	Definite		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
COMBINED WEIGHTED					NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
_	AFTER MITIGATION				0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	(If mitigation is effective / possible this rating wil decrease)	No Impact	Definite		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO		NO	#N/A	#N/A	#N/A	NO
CTATUS OUG	INITIAL DACELING INADACTS TO ENVIRONMENT	No looped	Definite		0				0		0				0		0				0
STATUS QUO	INITIAL BASELINE IMPACTS TO ENVIRONMENT	No Impact	Definite		NO				NO		NO				NO		NO				NO
CUMULATIVE	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM		5.5.3.		0				0		0				0		0				0
IMPACT	PROJECT, BEFORE MITIGATION	No Impact	Definite		NO				NO		NO				NO		NO				NO
RESIDUAL	INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM	No loose of	Definite		0				0		0				0		0				0
IMPACT	PROJECT, AFTER MITIGATION	No Impact	Definite		NO				NO		NO		,		NO		NO				NO