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 | Between 70 and 90% sure of a particular fact, or of the likelihood of that impact occurring. |
| 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:

| | | | Site 1 | | 9 | Site 3A + 3B | | | "No-Go" | |
|--------|--|-----------------------------------|------------------------------------|--------------------|-----------------------------------|------------------------------------|--------------------|-----------------------------------|------------------------------------|--------------------|
| | ENVIRONMENTAL ELEMENT | Risdual Direction of Impact | Residual Degree of Certainty | Residual Impact | Risdual Direction of Impact | Residual Degree of Certainty | Residual Impact | Risdual Direction of Impact | Residual Degree of Certainty | Residual Impact |
| CODE: | | | | | | | | | | |
| | CLOSURE PHASE | | | | | | | | | |
| G-3 | Geology | Negative | Probable | 3.7 HIGH | Negative | Probable | 3.7 HIGH | | | 3.7 HIGH |
| T-3 | Topography | Negative | Probable | 2.7 MOD | Negative | Probable | 2.9 MOD | | | 2.7 MOD |
| SLC-3 | Soil and Land Capability | Negative | Probable | 3.3 HIGH | Negative | Probable | 3.7 HIGH | | | 3 MOD |
| SWW-3 | Surface Water and Wetlands | Negative | Probable | 2.7 MOD | Negative | Probable | 2.7 MOD | | | 3.7 HIGH |
| GW-3 | Groundwater | Negative | Probable | 3 MOD | Negative | Probable | 3 MOD | | | 3 MOD |
| TE-3 | Terrestrial Ecology (The direction of the project impact is positive, although the residual impact remains negative) | Negative | Probable | 2.7 MOD | Negative | Probable | 3 MOD | | | 3 MOD |
| AF-3 | Avifauna | Negative | Definite | 3 MOD | Negative | Definite | 3 MOD | | | 3 MOD |
| AQ-3 | Air Quality | Negative | Possible | 2.7 MOD | Negative | Possible | 2.7 MOD | | | 2.7 MOD |
| N-3 | Noise | Negative | Probable | 2.3 MOD | Negative | Probable | 2.3 MOD | | | 2.7 MOD |
| SOC-3 | Social Environment | Positive | Probable | 1.8 LOW | Positive | Probable | 1.8 LOW | Negative | Definite | 4.7 VHIGH |
| EC-3 | Economic | Positive | Definite | 1.8 LOW | Positive | Definite | 2.4 MOD | Negative | Definite | 4.7 VHIGH |
| INF-3 | Infrastructure | Negative | Definite | 2.7 MOD | Negative | Definite | 2.7 MOD | | | 2.7 MOD |
| V-3 | Visual | Negative | Probable | 2.7 MOD | Negative | Probable | 3.3 HIGH | | | 3.3 HIGH |
| ArCH-3 | Archaeology, Palaeongology, Cultural Heritage | No Impact | Definite | 0 NO | No Impact | Definite | 0 NO | | | 0 NO |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 5 | ite 1 | | | | | Site | 3A + 3E | 3 | | | | "N | IO-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 |
| G-3 | Geology | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | i I |
| STATUS OUG | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Probable | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 |
| STATUS QUU | INITIAL BASELINE IIVIPACTS TO ENVIRONMENT | Negative | Probable | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Probable | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 |
| IMPACT | PROJECT, BEFORE MITIGATION | Negative | riobable | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakina | Duckahla | | 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 | | ALTERN | IATIVES | : | | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | , | Site 1 | | | | | Site | 3A + 3E | 3 | | | | "N | IO-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-3 | Topography | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | i |
| STATUS OUL | INITIAL IMPACTS TO ENVIRONMENT | Negative | Definite | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 | | 3 | 3 | 5 | 5 | 3.7 |
| STATUS QUU | INTIAL IMPACTS TO ENVIRONMENT | ivegative | Delinite | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Probable | | 2 | 3 | 5 | 5 | 3.3 | | 3 | 3 | 5 | 5 | 3.7 | | 2 | 3 | 5 | 5 | 3.3 |
| IMPACT | PROJECT, BEFORE MITIGATION | ivegative | Probable | | LOW | LOCAL | PERM | OCCUR | HIGH | | MOD | LOCAL | PERM | OCCUR | HIGH | | LOW | LOCAL | PERM | OCCUR | HIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakiya | Deskahla | | 2 | 3 | 5 | 4 | 2.7 | | 3 | 3 | 5 | 4 | 2.9 | | 2 | 3 | 5 | 4 | 2.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | LOW | LOCAL | PERM | VLIKE | MOD | | MOD | LOCAL | PERM | VLIKE | MOD | | LOW | LOCAL | PERM | VLIKE | MOD |

| Rated By: | Warren Kok | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 9 | ite 1 | | | | | Site | 3A + 3I | 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 |
| SLC-3 | Soil and Land Capability | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUG | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Probable | | 2 | 2 | 5 | 5 | 3 | | 2 | 2 | 5 | 5 | 3 | | 2 | 2 | 5 | 5 | 3 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Probable | | LOW | STUDY | PERM | OCCUR | MOD | | LOW | STUDY | PERM | OCCUR | MOD | | LOW | STUDY | PERM | OCCUR | MOD |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakiya | Deskahla | | 4 | 2 | 5 | 5 | 3.7 | | 4 | 2 | 5 | 5 | 3.7 | | 2 | 2 | 5 | 5 | 3 |
| IMPACT | PROJECT, BEFORE MITIGATION | Negative | Probable | | HIGH | STUDY | PERM | OCCUR | HIGH | | HIGH | STUDY | PERM | OCCUR | HIGH | | LOW | STUDY | PERM | OCCUR | MOD |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakiya | Deskahla | | 3 | 2 | 5 | 5 | 3.3 | | 4 | 2 | 5 | 5 | 3.7 | | 2 | 2 | 5 | 5 | 3 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | MOD | STUDY | PERM | OCCUR | HIGH | | HIGH | STUDY | PERM | OCCUR | HIGH | | LOW | STUDY | PERM | OCCUR | MOD |

ALTERNATIVES: Rated By: Warren Kok Reviewed By: Site 1 Site 3A + 3B "NO-GO" Impact Risk Impact Risk mpact Risk Magnatude Magnatude robability robability Neighting IMPACT DESCRIPTION Direction of Impact Degree of Certainty Spatial patial SWW-3 Surface Water and Wetlands 5 CLOSURE PHASE 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 Probable HIGH LOCAL LONG OCCUR HIGH LOCAL LONG OCCU HIGH HIGH LOCAL LONG OCCUR HIGH HIGH 4 4 4 3.7 4 4 3.7 CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM 3 5 3.7 4 5 3 5 Negative Probable IMPACT PROJECT, BEFORE MITIGATION HIGH LOCAL LONG OCCUP HIGH LOCAL LONG OCCUR HIGH LOCAL LONG OCCUR HIGH HIGH HIGH 3 3 4 4 2.7 3 3 4 4 2.7 4 3 4 5 3.7 RESIDUAL INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM Negative Probable PROJECT, AFTER MITIGATION IMPACT MOD LOCAL LONG VLIKE MOD MOD LOCAL LONG VLIKE MOD HIGH LOCAL LONG OCCUR HIGH

| Rated By: | Warren Kok | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 9 | 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 |
| GW-3 | Groundwater | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | ł |
| STATUS OUG | INITIAL DASSLINE IMPACTS TO FAMILIDAMAENT | Namakiya | Probable | | 2 | 3 | 4 | 5 | 3 | | 2 | 3 | 4 | 5 | 3 | | 2 | 3 | 4 | 5 | 3 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Probable | | LOW | LOCAL | LONG | OCCUR | MOD | | LOW | LOCAL | LONG | OCCUR | MOD | | LOW | LOCAL | LONG | OCCUR | MOD |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakiya | Deskahla | | 3 | 3 | 4 | 5 | 3.3 | | 3 | 3 | 4 | 5 | 3.3 | | 2 | 3 | 4 | 5 | 3 |
| IMPACT | PROJECT, BEFORE MITIGATION | Negative | Probable | | MOD | LOCAL | LONG | OCCUR | HIGH | | MOD | LOCAL | LONG | OCCUR | HIGH | | LOW | LOCAL | LONG | OCCUR | MOD |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | | 5 1 11 | | 2 | 3 | 4 | 5 | 3 | | 2 | 3 | 4 | 5 | 3 | | 2 | 3 | 4 | 5 | 3 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | LOW | LOCAL | LONG | OCCUR | MOD | | LOW | LOCAL | LONG | OCCUR | MOD | | LOW | LOCAL | LONG | OCCUR | MOD |

| Rated By: | Warren Kok | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 9 | 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 |
| TE-3 | Terrestrial Ecology | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUG | INITIAL DASSLINE IMPACTS TO ENVIDONMENT | No motivo | Definite | | 3 | 2 | 4 | 5 | 3 | | 3 | 2 | 4 | 5 | 3 | | 3 | 2 | 4 | 5 | 3 |
| STATUS QUO | 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 | No making | Deskahla | | 3 | 2 | 4 | 5 | 3 | | 4 | 2 | 4 | 5 | 3.3 | | 3 | 2 | 4 | 5 | 3 |
| IMPACT | PROJECT, BEFORE MITIGATION | Negative | Probable | | MOD | STUDY | LONG | OCCUR | MOD | | HIGH | STUDY | LONG | OCCUR | HIGH | | MOD | STUDY | LONG | OCCUR | MOD |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | No making | Deskahla | | 2 | 2 | 4 | 5 | 2.7 | | 3 | 2 | 4 | 5 | 3 | | 3 | 2 | 4 | 5 | 3 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | LOW | STUDY | LONG | OCCUR | MOD | | MOD | STUDY | LONG | OCCUR | MOD | | MOD | STUDY | LONG | OCCUR | MOD |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 5 | ite 1 | | | | | Site | 3A + 3E | } | | | | "N | IO-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 |
| AF-3 | Avifauna | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUG | INITIAL PACCULAGE IMPACTS TO ENVIRONMENT | Namakiya | Definite | | 3 | 2 | 4 | 5 | 3 | | 3 | 2 | 4 | 5 | 3 | | 3 | 2 | 4 | 5 | 3 |
| STATUS QUO | 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 | Namakiya | 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 | Namakiya | 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: | AQ-3 Air Quality CLOSURE PHASE STATUS QUO INITIAL BASELINE IMPACTS TO ENVIRONMENT Negative CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM PROJECT, BEFORE MITIGATION RESIDIAL INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM Negative | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
|--------------|--|---------------------|---------------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|
| Reviewed By: | | | | | | 9 | 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-3 | Air Quality | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUO | INITIAL DACTUNE INADACTS TO ENVIDONMENT | Negative | Possible | | 3 | 4 | 3 | 5 | 3.3 | | 3 | 4 | 3 | 5 | 3.3 | | 3 | 4 | 3 | 5 | 3.3 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | POSSIBLE | | MOD | REG | MED | OCCUR | HIGH | | MOD | REG | MED | OCCUR | HIGH | | MOD | REG | MED | OCCUR | HIGH |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Possible | | 3 | 4 | 3 | 5 | 3.3 | | 3 | 4 | 3 | 5 | 3.3 | | 3 | 4 | 3 | 5 | 3.3 |
| IMPACT | PROJECT, BEFORE MITIGATION | ivegative | Possible | | MOD | REG | MED | OCCUR | HIGH | | MOD | REG | MED | OCCUR | HIGH | | MOD | REG | MED | OCCUR | HIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | No making | Danaible | | 3 | 4 | 3 | 4 | 2.7 | | 3 | 4 | 3 | 4 | 2.7 | | 3 | 4 | 3 | 4 | 2.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Possible | | MOD | REG | MED | VLIKE | MOD | | MOD | REG | MED | VLIKE | MOD | | MOD | REG | MED | VLIKE | MOD |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 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 |
| N-3 | Noise | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | i |
| STATUS OUO | INITIAL DASCLING INADACTS TO ENVIDONMACNIT | Negative | Probable | | 2 | 3 | 3 | 5 | 2.7 | | 2 | 3 | 3 | 5 | 2.7 | | 2 | 3 | 3 | 5 | 2.7 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Probable | | 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 | Frobable | | LOW | STUDY | MED | OCCUR | MOD | | LOW | STUDY | MED | OCCUR | MOD | | LOW | LOCAL | MED | OCCUR | MOD |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Magativo | Probable | | 2 | 2 | 3 | 5 | 2.3 | | 2 | 2 | 3 | 5 | 2.3 | | 2 | 3 | 3 | 5 | 2.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | LOW | STUDY | MED | OCCUR | MOD | | LOW | STUDY | MED | OCCUR | MOD | | LOW | LOCAL | MED | OCCUR | MOD |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
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| Reviewed By: | | | | | | 5 | 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 |
| SOC-3 | Social Environment | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| CTATUS OUG | INITIAL DACELING INADACTS 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 | Positive | Probable | | 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 | Neg | VHIGH | NAT | LONG | OCCUR | VHIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Diti | Deskahla | | 2 | 3 | 4 | 3 | 1.8 | | 2 | 3 | 4 | 3 | 1.8 | N | 5 | 5 | 4 | 5 | 4.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Positive | Probable | | LOW | LOCAL | LONG | COULD | LOW | | LOW | LOCAL | LONG | COULD | LOW | Neg | VHIGH | NAT | LONG | OCCUR | VHIGH |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
|--------------|--|---------------------|---------------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|
| Reviewed By: | | | | | | 5 | 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 |
| EC-3 | Economic | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUG | INITIAL DASSUBE INDASTS TO FAILUDONIAGAIT | Diti | Definite | | 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 | Daniti | Definite | | 3 | 3 | 3 | 5 | 3 | | 3 | 3 | 3 | 4 | 2.4 | | 5 | 5 | 4 | 5 | 4.7 |
| IMPACT | PROJECT, BEFORE MITIGATION | Positive | Definite | | MOD | LOCAL | MED | OCCUR | MOD | | MOD | LOCAL | MED | VLIKE | MOD | Neg | VHIGH | NAT | LONG | OCCUR | VHIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Danishi | Definite | | 2 | 3 | 4 | 3 | 1.8 | | 3 | 3 | 3 | 4 | 2.4 | N | 5 | 5 | 4 | 5 | 4.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Positive | Definite | | LOW | LOCAL | LONG | COULD | LOW | | MOD | LOCAL | MED | VLIKE | MOD | Neg | VHIGH | NAT | LONG | OCCUR | VHIGH |

| Rated By: | Warren Kok | | | ALTERN | IATIVES | : | | | | | | | | | | | | | | | |
|--------------|--|---------------------|---------------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|
| Reviewed By: | | | | | | 9 | Site 1 | | | | | Site | 3A + 3E | 3 | | | | "N | IO-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 |
| INF-3 | Infrastructure | | | | | | | | | | | | | | | | | | | | |
| | CLOSURE PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | i |
| STATUS OUO | INITIAL DASCLING IMPACTS TO ENVIDONMENT | Negative | Definite | | 3 | 2 | 3 | 5 | 2.7 | | 3 | 2 | 3 | 5 | 2.7 | | 3 | 2 | 3 | 5 | 2.7 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Delilille | | MOD | STUDY | MED | OCCUR | MOD | | MOD | STUDY | MED | OCCUR | MOD | | MOD | STUDY | MED | OCCUR | MOD |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Definite | | 5 | 5 | 3 | 5 | 4.3 | | 5 | 5 | 3 | 5 | 4.3 | | 3 | 2 | 3 | 5 | 2.7 |
| IMPACT | PROJECT, BEFORE MITIGATION | ivegative | Demille | | VHIGH | NAT | MED | OCCUR | VHIGH | | VHIGH | NAT | MED | OCCUR | VHIGH | | MOD | STUDY | MED | OCCUR | MOD |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Definite | | 3 | 2 | 3 | 5 | 2.7 | | 3 | 2 | 3 | 5 | 2.7 | | 3 | 2 | 3 | 5 | 2.7 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Demnite | | MOD | STUDY | MED | OCCUR | MOD | | MOD | STUDY | MED | OCCUR | MOD | | MOD | STUDY | MED | OCCUR | MOD |

| Rated By: | Warren Kok | | | ALTERN | NATIVES | : | | | | | | | | | | | | | | | |
|--------------|--|---------------------|---------------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|-----------|-----------|---------|----------|-------------|-------------|
| Reviewed By: | | | | | | 9 | 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 |
| V-3 | Visual | | | | | | | | | | | | | | | | | | | | |
| | CONSTRUCTION PHASE | | | 5 | | | | | | 5 | | | | | | 5 | | | | | |
| STATUS OUO | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Definite | | 4 | 3 | 4 | 5 | 3.7 | | 4 | 3 | 4 | 5 | 3.7 | | 4 | 3 | 4 | 5 | 3.7 |
| STATUS QUU | INITIAL BASELINE IMPACTS TO ENVIRONMENT | Negative | Definite | | HIGH | LOCAL | LONG | OCCUR | HIGH | | HIGH | LOCAL | LONG | OCCUR | HIGH | | HIGH | LOCAL | LONG | OCCUR | HIGH |
| CUMULATIVE | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Negative | Drobable | | 4 | 3 | 4 | 5 | 3.7 | | 4 | 3 | 4 | 5 | 3.7 | | 4 | 3 | 4 | 5 | 3.7 |
| IMPACT | PROJECT, BEFORE MITIGATION | Negative | Probable | | HIGH | LOCAL | LONG | OCCUR | HIGH | | HIGH | LOCAL | LONG | OCCUR | HIGH | | HIGH | LOCAL | LONG | OCCUR | HIGH |
| RESIDUAL | INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM | Namakiya | Darbabla | | 3 | 3 | 4 | 4 | 2.7 | | 3 | 3 | 4 | 5 | 3.3 | | 3 | 3 | 4 | 5 | 3.3 |
| IMPACT | PROJECT, AFTER MITIGATION | Negative | Probable | | MOD | LOCAL | LONG | VLIKE | MOD | | MOD | LOCAL | LONG | OCCUR | HIGH | | MOD | LOCAL | LONG | OCCUR | HIGH |

Warren Kok ALTERNATIVES: Rated By: Reviewed By: Site 1 Site 3A + 3B "NO-GO" Impact Risk mpact Risk mpact Risk Magnatude Magnatude robability robability robability Weighting IMPACT DESCRIPTION Direction of Impact Degree of Certainty Spatial patial ArCH-3 Archaeology, Palaeontology, Cultural Heritage 5 5 CLOSURE PHASE 0 0 0 0 0 0 STATUS QUO INITIAL BASELINE IMPACTS TO ENVIRONMENT No Impact Definite NO NO NO NO NO NO 0 0 0 0 0 0 CUMULATIVE INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM No Impact Definite IMPACT PROJECT, BEFORE MITIGATION NO NO NO NO NO NO 0 0 0 0 0 0 RESIDUAL INITIAL IMPACTS TO ENVIRONMENT + ADDITIONAL IMPACTS FROM No Impact Definite IMPACT PROJECT, AFTER MITIGATION NO NO NO NO NO NO