

| Project Name: de Kuilen Retreat Development | | Nature of Impact | | Without Mitigation (Baseline) | | | Without Mitigation Score (Baseline) | | Probability (Likelihood) | | Extent | | |
|---|--|---|--------------------------|-------------------------------|----------------------|--------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------|-------------------------------------|--------------------------|--------|
| Number | Aspect | Impact | Probability (Likelihood) | Extent | Duration (Frequency) | Magnitude (Intensity/Severity) | Receiving Environment (Consequence) | Without Mitigation Score (Baseline) | Probability (Likelihood) | Extent | Without Mitigation Score (Baseline) | Probability (Likelihood) | Extent |
| CONSTRUCTION PHASE | | | | | | | | | | | | | |
| 1 | Soil | On site erosion due to poor management of stormwater during construction. Exposed platforms and trenches excavated for structures and associated infrastructure are susceptible to erosion. | -8 | -2 | -2 | -8 | -8 | -6 | -4 | -2 | -4 | -2 | |
| 2 | | Erosion and safety hazards associated with excavations that are left open before being back-filled. | -8 | -2 | -4 | -8 | -4 | -6 | -2 | -1 | -2 | -1 | |
| 3 | | Sedimentation of on-site drainage lines due to poor stormwater management. | -2 | -2 | -8 | -16 | -4 | -7 | -1 | -2 | -1 | -2 | |
| 4 | Watercourse | Contamination of on-site drainage lines due to usage of construction chemicals. | -2 | -1 | -8 | -16 | -4 | -7 | -2 | -1 | -2 | -1 | |
| 5 | | | -8 | -4 | -2 | -8 | -4 | -6 | -2 | -1 | -2 | -1 | |
| 6 | Waste | Temporary increase in waste and litter in the receiving environment. | -8 | -4 | -2 | -4 | -4 | -5 | -4 | -2 | -4 | -2 | |
| 7 | | Clearance of indigenous vegetation from proposed site. | -8 | -2 | -8 | -8 | -4 | -6 | -8 | -2 | -4 | -2 | |
| 8 | | Protected & endangered plant species: Potential impact on threatened or protected. | -9 | -2 | -8 | -16 | -4 | -8 | -4 | -2 | -4 | -2 | |
| 9 | | Conservation priority. Potential impact on protected areas, CSAs, ESAs or Centre's of Endemism. | -16 | -2 | -4 | -4 | -8 | -7 | -4 | -2 | -4 | -2 | |
| 10 | | Landuse and cover: Potential impact on socio-economic activities. | -4 | -2 | -2 | -4 | -4 | -4 | 0 | -2 | -4 | -2 | |
| 11 | Terrestrial biodiversity | Connectivity: Potential loss of ecological migration corridors. | -4 | -4 | -2 | -4 | -4 | -4 | -4 | -2 | -4 | -2 | |
| 12 | | Encroachment of alien invasive vegetation in disturbed areas during construction activities. | -8 | -2 | -4 | -4 | -4 | -6 | -4 | -2 | -4 | -2 | |
| 13 | | Wildfire risk: Potential risk of wild fires as a result of the activities. | -4 | -2 | -2 | -4 | -4 | -4 | -4 | -2 | -4 | -2 | |
| 14 | | Cumulative impacts: Cumulative impact associated with proposed activity. | -7 | -2 | -8 | -8 | -8 | -7 | -4 | -2 | -4 | -2 | |
| 15 | | The 'No-Go' option: Potential impact associated with the No-Go alternative. | 0 | -4 | -8 | -8 | -8 | -6 | 0 | 0 | -4 | -2 | |
| 16 | Services | Increased demand for services impacting current services capacity (i.e. increased demand for water, electricity, sewage disposal). | 0 | -2 | -16 | -8 | -4 | -6 | -4 | -2 | -4 | -2 | |
| 17 | Impact on Cultural, Archaeological, and Heritage | Artefacts may be discovered and/or damaged during the construction phase. | -2 | -4 | -2 | -4 | -2 | -3 | -2 | -2 | -2 | -2 | |
| 18 | | Loss and/or damage to potential fossils and archaeological and historical sites. | -2 | -4 | -2 | -4 | -2 | -3 | -2 | -2 | -2 | -2 | |
| 20 | Socio-economic | Creation of short-term employment opportunities during the construction phase. | 8 | 2 | 2 | 4 | 2 | 4 | 8 | 2 | 8 | 2 | |
| 21 | Dust | Dust will be generated during the construction of the proposed development which may impact drivers and commuters. | -8 | -4 | -2 | -8 | -2 | -5 | -2 | -4 | -2 | -4 | |
| 22 | Visual | Site may become visually unappealing. | -16 | -2 | -16 | -4 | -2 | -8 | -16 | -2 | -4 | -2 | |
| 23 | Noise | Noise will be generated by construction work. | -8 | -2 | -2 | -4 | -4 | -4 | -4 | -2 | -4 | -2 | |
| 24 | Unsustainable sourcing of raw materials | Illegal sourcing of raw materials, such as gravel, sand, water etc. promoting illegal mining operations causing significant damage to the environment. | -8 | -4 | -8 | -8 | -8 | -8 | -2 | -1 | -2 | -1 | |
| OPERATIONAL PHASE | | | | | | | | | | | | | |
| 25 | Sewage Management | Impact on watercourses due to inadequate sewage disposal. | -8 | -8 | -8 | -16 | -8 | -10 | -4 | -4 | -4 | -4 | |
| 27 | Water supply | Increased pressure on water source for water supply. | -8 | -4 | -1 | -8 | -8 | -6 | -4 | -4 | -4 | -4 | |
| 28 | Botanical | Encroachment of alien invasive vegetation throughout the site. | -4 | -2 | -4 | -8 | -4 | -5 | -2 | -2 | -2 | -2 | |
| 29 | Socio-economic | Reduced travelling costs and more time with family for Applicant and farm employees. Convenience of residing and conducting church ministry activities all on proposed site. | -4 | -2 | -4 | -8 | -4 | -5 | -2 | -2 | -2 | -2 | |

| Significance | Rating | Final rating score / value range |
|-------------------|-----------|----------------------------------|
| Very Significant | Very High | >11 to >16 |
| Significant | High | 7 to >11 |
| Minor Significant | Medium | 3 to >7 |
| Not Significant | Low | 1 to >3 |

| With Mitigation | | | With Mitigation Score (Impact Assessment) | Short Description of some Mitigation Measures / Enhancement Measures |
|----------------------|--------------------------------|-------------------------------------|---|--|
| Duration (Frequency) | Magnitude (Intensity/Severity) | Receiving Environment (Consequence) | | |
| -2 | -4 | -2 | -3 | |
| -2 | -8 | -2 | -3 | |
| -4 | -8 | -2 | -4 | |
| -2 | -2 | -2 | -2 | |
| -2 | -4 | -2 | -3 | |
| -2 | -2 | -4 | -3 | |
| -2 | -4 | -4 | -4 | |
| -2 | -2 | -2 | -3 | |
| -2 | -2 | -2 | -3 | |
| -1 | -4 | -4 | -3 | |
| -2 | -2 | -4 | -3 | |
| -2 | -2 | -2 | -3 | |
| -2 | -2 | -4 | -3 | |
| -2 | -4 | -4 | -4 | |
| 0 | 0 | 0 | 0 | |
| -8 | -2 | -4 | -4 | |
| -2 | -2 | -2 | -2 | |
| -2 | -2 | -2 | -2 | |
| 2 | 4 | 2 | 4 | |
| -2 | -4 | -2 | -3 | |
| -2 | -1 | -2 | -5 | |
| -2 | -2 | -4 | -3 | |
| -4 | -8 | -4 | -4 | |
| -2 | -4 | -4 | -4 | |
| -1 | -4 | -4 | -4 | |
| -4 | -4 | -1 | -3 | |
| -4 | -4 | -1 | -3 | |