ACTIVITY whether listed or not listed. (E.g. Excavations, blasting, stockpiles, discard dumps or dams Loading, hauling and transport. Water supply dams and boreholes, accommodation, offices, abultion, stores, workchops processing plar storm water control, berms, roads,	surface water contamination, groundwater contamination, air pollution etcetc)	ASPECTS AFFECTED	PHASE In which impact is anticipated (e.g. Construction, commissioning, operational Decommissioning, closure, post-closure)	Magnitude Duration	Scale Probability Significance	Significance without Mitigation	Magnitude	Scale Probability	Significance	Significance with Mitigation	EMPr Ref 10.	Detailed Mitigation Measures  ### Cont  ####	p. Modify through alternative ethod; Control through noise entrol; Control through	the environmental management	(Impact avoided, noise levels, dust levels, rehabilitation standards, end	Compliance with Standards (A description of how each of the recommendations made, will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)	Responsible person
Construction Phase Terrestrial Ecology																	
North access Road:  Vegetation clearance	Direct loss and disturbance of natural habitat and associated flor for species of conservation consern (SoCC)	a Terrestrial habitat	Construction Phase	6 4	1 5 5	55 Moderat	te 4	3 1	3 24	Low 1	,1 m B S	clearing should be restricted to the proposed Project footprints only, with no clearing permitted outside of these areas  his to be cleared should be clearly demarcated prior to construction to prevent unnecessary clearing outside of this area;  had rescue survey for all flora SoCC (see Appendix C of the terrestrial biodiversity report) should then be conducted within these  prints prior to the commencement of construction to determine the number of potentially impacted plant species of conservation concern.  In findings of the survey, clearing and/or relocation permits should be obtained from the relevant authority to dear or rescue and relocate potentially impacted plant  sils along the road servitude should be seeded with indicenous grasses, to promote revegetation of disturbed areas, once construction is complet  raviews pecies control programmen must be developed (or any existing AIS management programmes expanded)	Rehabilitation	When required	National Environmental Management: Biodiversity Act, Removal of trees in accordance with the requirements of DAFF	With the recommended measures in place, compliance with the guidelines can be achieved	
Vegetation clearance	Establishment and spread of alien and invasive species (AIS)	Terrestrial habitat	Construction Phase	6 4	2 4 4	18 Moderal	te 4	3 1	3 24	Low 1	,2 ii. iii iii iv v.	e active control of alien invasive species that may establish/spread as a result of proposed Project activities, vasaive species management to be prioritised for the following alien and invasive species control areas: re vegetation cover is disturbed; re soils imported from external sources are applied; litated areas; init the development area that are already invaded by alien species; lists.  mental Control Officer (ECO) should be on-site during vegetation clearing to monitor and manage any necessary movement/relocations of fauna SoCC, should the red.					
Vehicle and use of equipment/machinery	Injury and mortality of fauna SoCC	Terrestrial habitat	Construction Phase	6 3	1 3 3	Moderat	te 4	2 1 3	3 21	Low 1	,3 ci	ould be trained in inter alia, snake handling and species identification;  d limit (recommended 20 km/h in areas of highest risk e.g. where roads traverse woodland or riparian/wetland habitat) should be enforced on site to reduce wildlife  and rescue survey for herpetofauna species should be done immediately in advance of site clearance activities.  d individuals should be relocated to nearby areas of natural habitats. Where snakes require relocation, this should be done by a certified snake handler for health  assons;  g, poisoning or killing of on-site fauna by mine workers and contractors must be strictly prohibited; and  and contractors should be made aware of the presence of, and rules reparding fauna through suitable induction training and on-site signac					
South access Road:  Vegetation clearance	Direct loss and disturbance of natural habitat and associated flor SCC	a Terrestrial habitat	Construction Phase	4 4	1 5 4	15 Moderat	te 4	3 1 :	3 24	Low 2	2,1 m B	clearing should be restricted to the proposed Project footprints only, with no clearing permitted outside of these areas  his to be cleared should be clearly demarcated prior to construction to prevent unnecessary clearing outside of this area;  and rescue survey for all flora SCC (see Appendix C of the terrestrial blodiversity report) should then be conducted within these  prints prior to the commencement of construction to determine the number of potentially impacted plant species of conservation concern.  Indings of the survey, clearing and/or relocation permits should be obtained from the relevant authority to clear or rescue and relocate potentially impacted plant	Control through management	When required	National Environmental Management: Biodiversity Act; Removal of trees in accordance with the requirements of DAFF	With the recommended measures in place, compliance with the guidelines can be achieved	
Vegetation clearance	Establishment and spread of alien and invasive species	Terrestrial habitat	Construction Phase	8 4	2 5 7	70 High	4	3 1 :	3 24	Low 2	to  2,2 i. ii. iii iv	niated areas; hin the development area that are already invaded by alien species;					
Vehicle and use of equipment/machinery	Injury and mortality of fauna SoCC	Terrestrial habitat	Construction Phase	4 3	2 3 2	27 Low	2	2 1 ;	15	Low 2	2,3 A	mental Control Officer (ECO) should be on-site during vegetation clearing to monitor and manage any necessary movement/relocations of fauna SoCC be encountered. The ECO should be trained in inter alia, snake handling and species identification; difficult (encountered 20 km/h) in areas of highest risk e.g. where roads traverse woodland or inparian/wetland habitat) should be enforced on site to reduce wildlife and rescue survey for herpetofauna species should be done immediately in advance of site clearance activities. In individuals should be relocated to nearby areas of natural habitats. Where snakes require relocation, this should be done by a certified snake handler for health assons; g., poisoning or killing of on-site fauna by mine workers and contractors must be strictly prohibited; and and contractors should be made aware of the presence of, and rules reparting fauna through suitable induction training and on-site signac.					
Heritage/ palaeontological resources																	
The potential to impact on local graves within the area and in particular unmarked graves associated with historic black homesteads	Some level of disturbance is expected to occur to site MPM 05 and MPM 03 during this phase	Heritage/ palaeontologic I resources	a Construction Phase	8 5	2 4 6	SO Moderat	te 4	3 3 :	2 20	Low 3	- i. iii iii iv v. vi vi vi vi vi vi vi vi vi vi - in w	no-development buffer, as per SAHRA guidelines, must be in place for the burial ground aMPM 05, ipossible the cemetery must be relocated following a full grave relocation process that must include at a minimum the following: ocation process must be undertaken; social consultation process, at least 60 days in length, comprising the attempted identification of the next-of-kin in order to obtain their consent for the relocation; its and newspaper rotices inclicating the intent of the relocation; and all the relevant and legally required authorities; aliton process that keeps the dignity of the remains and family intact; altion process that safeguards the legal rights of the families as well as that of the mining company; ses must be done by a reputable company well versed in the militigation of graves development footprints change or be altered in any way, these changes must be assessed in the field by a heritage specialist/archaeologist before construction where sites are located near existing tar roads, and on the condition that the proposed construction work will in no way expand wider than the existing road surface is sufficiently into the required. However, should the proposed construction expand anything se existing road surface, the mitigation measures continued for the sites identified in this report for these sites would be required. However, should the proposed construction expand anything se existing road surface, the mitigation measures outlined in this report for these sites would be required. However, should the proposed construction expand anything se existing road surface, the mitigation measures outlined in this report for threes sites would be required. However, should the proposed construction expand anything se existing road surface, the mitigation measures outlined in this report for threes sites would be required. However, should the proposed construction expand anything se existing road surface, the mitigation measures outlined in this report for threes sites would be required.	ntrol through management	Throughout establishent and construction phase	Cultural/heritage aspects must be managed in accordance with the:National heritage Resources Act, 1999		MPM Environmental Leader, ECO, Appointed Contractors Leader, Site Manager
Aqautic Biodiversity Clearing and disturbance of		Aquatic										nance of vehicles within 500m of regulated wetland boundary The construction vehicles must be inspected for possible oil leaks prior site access, during construction					
vegetation along road access footprint	Loss and disturbance of indigenous vegetation	biodiversity	Construction Phase	4 4	1 3 2	Low	2	2 1 2	10	Low 4	aı	aving site. The use of a drip tray under all stationary vehicles is mandatory within the regulated area.					
Removal and levelling of topsoil in access road footprint  Removal and levelling of topsoil in	Direct loss of soils in footprint. Compaction of soils and increase surface water runoff during periods of high rainfall, leading to erosion of remnant soils in the watercourse catchment Interruption/interference of hydrology (i.e. changes of surface	biodiversity	Construction Phase  Construction Phase	6 4	1 3 3	Moderat	te 4	2 1 2	2 14	Low 4	1,2 C	in activities must be undertaken during the dry season (May to September) as far as possible.  Ing stands of AIS vegetation in the road construction footprint and along access routes prior to construction commencement.  In activities must be undertaken during the dry season (May to September) as far as possible	-	Throughout establishent and construction phase	Compliance with local legislation regulation guidelines, including NEMA, MPRDA and NWA		MPM Environmental Leader, ECO, Appointed Contractors
access road footprint  Set up of temporary construction lavdown area	water flows from catchment)  Loss and disturbance of indigenous vegetation, soil compaction	Aquatic biodiversity	Construction Phase	4 2	1 2 1	14 Low	2	1 1 3		Low 4	,4 -	sible, construction activities must be completed within one month.  activities must be undertaken during the dry season (May to September) as far as possible sible, construction activities must be completed within one month.					
Transportation of construction	Contamination of soil and downstream resources due to	Aquatic	Construction Phase	4 2	2 3 2	24 Low	2	1 1 :	8	Low 4		se of machinery movement within watercourses during road construction activities  in activities must be undertaken during the dry season (May to September)				With the recommended measures in place, compliance with the guidelines can be achieved	
material Transportation of construction material Construction of crossings within the 500 m buffer of watercourses (drainage lines / non-perennial watercourses)	hydrocarbons and oil spillages from vehicle during site preparation  Establishment and spread of AIS  Interruption/interference of hydrology due to presence of culverts	Aquatic biodiversity	Construction Phase  Construction Phase	4 2	2 2 1	16 Low	2	1 1 2	8 8	Low 4	1,6	of light grading machinery while working in the watercourse to limit compaction and soil erosior te of equipment to one motor grader at a time. Grading activities must be undertaken during the dry seaso n activities must be undertaken during the dry season (May to September) as far as possible lacement and revegetation must be limited to the affected footphira as possible. soils will need to be replaced in the same order as removed, i.e. sub-soil must be replaced first and topsoil must be replaced last. This will maximize opportunity for tation of disturbed areas	Control through management				
Placement and compaction of fill material  Replacement of topsoil and	erosion	Aquatic biodiversity	Construction Phase	6 4	2 3 3	Moderat	te 4	2 1 2			1,8 cr	posoil removal must be limited to the road footprint. Topsoil must be stored separately from subsoil and must be stored in a manner that it can be reused afte					
rehabilitation of disturbed areas wit the watercourse Replacement of topsoil and rehabilitation of disturbed areas wit the watercourse	hin Sediment displacement  Contamination due to hydrocarbons and oil spillages from vehicle during rehabilitation	biodiversity	Construction Phase  Construction Phase	4 2		Low Low	2	1 1 2		Low 4	,10	alsa long the road servitude should be seeded with indigenous grasses, to promote revegetation of disturbed areas, once construction is complete.  tance of vehicles within 500m of regulated wetland boundary.  Is must be inspected for possible oil leave prior site access, during rehabilitation and when leaving site.  drip tray under all stationery vehicles is mandatory within regulated area;  Is recommended that no vehicles are parked overnight at the construction area, and are rather moved to secure mine facilities for longer term storage.					

whether listed or not listed.  (E.g. Excavations, blasting, stockpiles, discard dumps or dams, Loading, hauling and transport. Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads.  Traffic	surface water contamination, groundwater contamination, air pollution etcetc)	ASPECTS AFFECTED	PHASE In which impact is anticipated (e.g. Construction, commissioning, operational Decommissioning, closure, post-closure)	Magnitude Duration Scale	Probability Significance	Significance without Mitigation	Magnitude	Scale Probability Stonificance	Significance with	Witigation Witigation Ref no.	Detailed Mitigation Measures	Mitigation Type (Modify, remedy, control or stop e.g. Modify through alternative method: Control through noise control: Control through management and monitoring: Remedy through rehabilitation	the environmental management	(Impact avoided, noise levels, dust levels, rehabilitation standards, en	Compliance with Standards (A description of how each of the trecommendations made, will comply with d any prescribed environmental management standards or practices that have been identified by Competent Authorities)	. Responsible person
Construction of the activites for the project	- Increase in construction vehicles in the area; - Slow-moving construction vehicles on the surrounding roads may cause accidents.	Traffic	Construction Phase	4 2 1	1 3 21	Low	2 2	1 2 1	10 Lo	5,1	- Speed limits will be reduced to 40 km/h to reduce dust and noise generation; - Where possible the transportation of construction materials and rubbish shall be undertaken outside traffic peak hours to minimise inconveniencing other road users; - The number of construction vehicles and trips shall be kept to a minimum; - All the construction vehicles shall undergo maintenance on a regular basis to ensure the combustion engine vehicle efficiency.	Control through management	Throughout establishent and construction phase	Compliance with MPM's traffic mangagement plan	With the recommended measures in place, compliance with the guidelines can be achieved	MPM Environmental Leader, ECO, Appointed Contractors
resulting in the deterioration of water quality of the watercourse; - Disposal of hazardous waste including hydrocarbon contaminated soils, rags etc. will result in the contamination of surface runoff resulting in the deterioration of water quality of the watercourse; - Stockpiling material resulting in secondary pollution and contamination of the watercourses.	off - There is potential for the site and surrounding areas to become polluted if construction activities are not properly managed (e.g. 4/ bitumen spills, litter from personnel on-site, sewage from ablutions et cl.; }  ed - Potential off-site pollution as a result of accidental spillages of petrochemicals or concrete, and - Waste generation could be created by the following:  er - Solid waste - plastics, metal, wood, concrete, stone; Chemical waste-petrochemicals, resins and paints; and - Stockpling material resulting in secondary pollution and contamination of the watercourses		Construction Phase	6 3 1	1 3 30	Moderate	4 2	1 3 2	21 Lo	6,1	- All waste generated on-site during construction must be adequately managed. Separation and recycling or different waste materials is supporte  - All solid waste should be disposed of at a registered landfill site and records maintained to confirm safe disposal;  - Adequate scavenger-proof refuse disposal containers must be supplied to control solid waste on-site;  - It must be ensured that existing waste disposal facilities in the area are able to accommodate the increased waste generated from the proposed construction;  - Chemical Naste must be stored in appropriate containers and disposed of at a licensed disposal facilitie;  Hazardous Chemical Substances Regulations promulgated in terms of the Occupational Health and Safety Act (Act No. 85 of 1993) must be adhered to.  This applies to solvents and other chemicals possibly used during the construction process;  - Portable sanitation facilities must be erected for construction personnel.  - Use of these facilities must be enforced (these facilities should be kept clean so that they are a desired alternative to the surrounding vegetation).  These facilities must also be monitored and serviced regularly so as to prevent contamination of the water resources.  - The construction site must be inspected for litter on a daily basis. Extra care should be taken on windy days.  - Precautions should be taken to avoid litter from entering the drainage line;  - Soil that is contaminated with, e.g. cement, petrochemicals or paint, must be disposed of at a registered waste disposal site and is not to be deposited into the drainage line and  - Hazardous substance storage must not take place within 50m of a watercourse or within the 1:100 year floodline; and;  - Any significant spills on-site must be reported to the relevant Authority (e.g. Department of Water and Sanitation / Municipality / DMRE etc.) and must be remediated as pe		All project phases	In compliance with principles contained in the MPRDA, 2002 and NEMA, 1998	With the recommended measures in place, d compliance with the guidelines can be achieved	Site Manager to ensure compliance with the guidelines as stipulated in the EMPR. Compliance to be monitored by the Environmental Control Officer
Air Quality  Construction and utilisation of the access road.	Impact on surrounding sensitive receptors due to increased dust and particulate matter.	Ambient air quality	Construction Phase		2 3 33			1 3 2		w 7,1	- Modifying or ceasing loading activities during dry and high wind condition - Avoid double handling of material, where possible Minimising the drop height of the material from truck loads/transfer points. A drop height policy should be maintained on-site and all equipment operators should be trained in the policy such that drop height reduction is implemented during materials handling activities Using water carts with boom sprayers or wet suppression systems The height of existing berns at stockpiles must be increased, reducing the impact of winds on the stockpile Maintaining the stockpile moisture level to avoid further entrainment of particles Dust suppression along the gravel road, and other disturbed areas Effective maintenance of dieserd riven vehicles to manage the greenhouse gases	Control: Dust suppression method and proper housekeeping.	and construction phase.	National Environmental Management: Air Quality Act, 200- (Act No. 39 of 2004) National Dust Control Regulations: The dust deposition monitoring is based on the ASTM International standard method for collection and analysis dustfall (ASTM D1739)	With the recommended measures in place, compliance with the guidelines can be achieved	Stakeholder Manger, MPM ECO, Appointed Contractors
Social  Construction activities	Positive impact on livelihoods; Positive impact on general transportation; Generation of dust potentially resulting in a health and nuisanot impact Impact on safety and security as a result of theft, the occurrency of additional trucks on the roads, uncontrolled lighting of fires on site, littering and driving irresponsibly; Health and safety risks as a result of the movement of vehicles increasing the risk of accidents.	Socio-	Construction Phase	8 2 2		Moderate		2 5 60		erate 8,1	- MPM to increase the probability of retaining staff by implementing the MPM policy of upskilling employee skills where necessary and possible, and aligning with the MPM S- MPM must inform companies it procures goods and services from of any procurement gaps during the development of project, so that affected companies can plan accordingly;  - To increase magnitude of the impact, increase the probability of retaining staff by implementing the MPM policy of upskilling employees where necessary, and aligning with MPMs SLP.  - Reduce speed limits to 40 km/h. Speed humps may be constructed to help slow vehicles;  - The number of vehicles on the roads shall be kept to a minimum.		When required	In compliance with MPM's SLP	With the recommended measures in place, compliance with the guidelines can be achieved	Stakeholder Manger, Human Resources, MPM ECO, Appointed Contractors
Construction of the gravel road  Operational Phase	Noise levels along the road will increase during the construction activities due to the use of heavy machinery and vehicles     Bulk Earthworks to achieve specified levels     Sourcing of construction materials	n Noise	Construction Phase	4 3 2	2 3 27	Low	2 2	1 2 1	10 Lo	9,1	- During construction keep noise levels within acceptable limits in compliance with all relevant guidelines and regulations such as SANS 10103: 2008.  - All equipment and vehicles must be regularly serviced to prevent excessive noise.  - Vehicles and equipment generating excessive noise should be fitted with appropriate noise abatement measures.  - Personal Protective Equipment ("PPE") must be worn at all times during construction of the proposed activities. PPE register to be kept	Control: Noise suppression methor and proper housekeeping	ts Throughout the site establishment and construction phase.	Noise generation must be manage in accordance with the: - NEM.AOA. 2004 Regulation 6(1): - NRTA, 1996; - SANS 10103 - Acceptable Ambie Noise Levels	achieved	MPM Environmental Leader, ECO, Appointed Contractors
Air Quality  Operation of the north and south access roads	Increased levels of fugitive dust when utilising access roads	Ambient air quality	Operational Phase	6 3 1	1 3 30			1 3 2	21 Lo	w 10,1	- Dust suppression along the gravel road, and other disturbed areas Dust fallout monitoring plan must be developed and effectively implemented Effective maintenance of diesel driven vehicles to manage the greenhouse gases MPM must continue to monitor dust as per the MPM's dust monitoring programme.	Control through management		National Environmental Management: Air Quality Act, 2004 (Act No. 39 of 2004) National Dust Control Regulations: The dust deposition monitoring is based on the ASTM International standard method for collection and analysis dustfall (ASTM D1739)	With the recommended measures in place, compliance with the guidelines can be achieved	MPM Environmental Leader, ECO, Appointed Contractors
Aquatic Biodiversity  Presence and maintenance of access road at watercourse crossings  Presence and maintenance of access road at watercourse crossings	Contamination due to hydrocarbons and oil spillages from vehicle during operation, soil erosion, and the spread of alien invasive species within the watercourse eas Interruption/interference of hydrology as a result of blockage of culverts with debris	biodiversity	Operational Phase Operational Phase	4 4 2	2 2 20 20 2 3 27	Low Low	2 2	1 2 1	10 Lo		- Culvert crossing must be maintained regularly, Mine vehicles must be inspected for possible oil leaks regularly.  - Inspect culverts after periods of high rainfall and remove any accumulated debris to ensure flow is not affected.	Control through management	Ongoing	Compliance with local legislation regulation guidelines, including NEMA, MPRDA and	With the recommended measures in place, compliance with the guidelines can be achieved	MPM Environmental Leader, ECO, Appointed Contractors
Grading of access roads	Soil compaction, surface water runoff leading to increased soil erosion in catchment of watercourse	Aquatic biodiversity	Operational Phase	4 3 2	2 3 27	Low	4 1	1 2 1	12 Lo	w 11,3	Make use of light grading machinery while working in the watercourse to limit compaction and soil erosion.     Limit the use of equipment to one motor grader at a time. Grading activities must be undertaken during the dry season			NWA		
Social  Operation of the north and south access roads	Positive impact on livelihoods Positive impact on general transportation; Generation of dust potentially resulting in a health and nuisance impact; Impact on safety and security as a result of theft, the occurrence of additional trucks on the roads, uncontrolled lighting of fires on site, littering and driving irresponsibly; Health and safety risk as a result of the movement of vehicles	0	Operational phase	8 2 2	2 4 48	Moderate	5 2	2 3 2	27 Lo	w 12,1	- MPM to increase the probability of retaining staff by implementing the MPM policy of upskilling employee skills where necessary and possible, and aligning with the MPM's Social and Labour Plan (SLP); - Reduce speed limits to 40 km/h. Speed humps may be constructed to help slow vehicles;	Control through management	Ongoing	In compliance with MPM's SLP	With the recommended measures in place, compliance with the guidelines can be achieved	Stakeholder Manger, Human Resources, MPM ECO, Appointed Contractors
Townstrial his diversity	increasing the risk of accidents						Ш	$\perp$			- The number of vehicles on the roads shall be kept to a minimum.					
Terrestrial biodiversity (North and South Access Roads)											- The number of vehicles on the roads shall be kept to a minimum.					
(North and South Access		Terrestrial habitat	Operational Phase	6 4 2	2 3 36	Moderate	4 2	1 3 2	21 Lo	w 13,1	- The number of vehicles on the roads shall be kept to a minimum.  - Habitat restoration through active revegetation should be undertaken to restore habitat connectivity where possible; - Adopt reduced impact clearing and construction techniques and time; - Rehabilitation through planting of appropriate plant community will enhance connectivity and prevent potential invasion of pioneer invasive species; - Rehabilitation of such areas should emphasize the use of species of the characteristic flora community; and - Site clearing should be done in the winter months when it is less vulnerable.	Control through management	As required			
(North and South Access Roads)	increasing the risk of accidents		Operational Phase Operational Phase	6 4 2	2 3 36	Moderate	4 2	1 3 2			- Habitat restoration through active revegetation should be undertaken to restore habitat connectivity where possible; - Adopt reduced impact clearing and construction techniques and time; - Rehabilitation through planting of appropriate plant community will enhance connectivity and prevent potential invasion of pioneer invasive species; - Rehabilitation of such areas should emphasize the use of species of the characteristic flora community; and - Site clearing should be done in the winter months when it is less vulnerable.  - An alien invasive species control programme must be developed (or any existing AIS management programmes expanded), to include the active control of alien invasive species that may establish/spread as a result of the Project activities; - Alien and invasive species management to be prioritised for the following alien and invasive species control areas:  i. Areas where vegetation cover is disturbed.  ii. Alreas where vegetation cover is disturbed.  iii. Alreashitated areas.  iv. Areas within the development area that are already invaded by alien species.  v. Road finges.	Control through management  Control through management	Ongoing	National Environmental Management Biodiversity Act; Removal of trees in accordance with the requirements of DAFF	With the recommended measures in place, compliance with the guidelines can be achieved	MPM Environmental Leader, ECO, Appointed Contractors
(North and South Access Roads)  Vehicle movement	increasing the risk of accidents  Spread of AIS	habitat  Terrestrial		6 4 2		Moderate  Moderate	4 2 2 6	1 2 18	18 Lo	w 13,2	- Habitat restoration through active revegetation should be undertaken to restore habitat connectivity where possible; - Adopt reduced impact clearing and construction techniques and time; - Rehabilitation through planting of appropriate plant community will enhance connectivity and prevent potential invasion of pioneer invasive species; - Rehabilitation of such areas should emphasize the use of species of the characteristic flora community; and - Site clearing should be done in the winter months when it is less vulnerable.  - An alien invasive species control programme must be developed (or any existing AIS management programmes expanded), to include the active control of alien invasive species that may establish/spread as a result of the Project activities; - Alien and invasive species management to be prioritised for the following alien and invasive species control areas:  I. Areas where vegetation cover is disturbed.  II. Areas where sols imported from external sources are applied.  III. Areas where sols imported from external sources are applied.  III. Areas where sols imported from external sources are applied.  III. Areas where used in the development area that are already invaded by alien species.  V. Road finges.  - Habitait restoration through active revegetation should be undertaken to restore habitat connectivity where possible - Adopt reduced impact clearing and construction techniques and time; - Rehabilitation through planting of appropriate plant community will enhance connectivity and prevent potential invasion of pioneer invasive species;		Ongoing	Management: Biodiversity Act; Removal of trees in accordance with the	compliance with the guidelines can be	IMPINI ETIVITOTITIETILAI LEAGEI,
(North and South Access Roads)  Vehicle movement  On-site traffic	Increasing the risk of accidents  Spread of AIS  Injury and mortality of fauna SCC	Terrestrial habitat	Operational Phase	6 4 2 4 6 2 6 5 2 6 4 2			2 6 4 1 2 3	1 2 18	18 Lo	w 13,2	- Habitat restoration through active revegetation should be undertaken to restore habitat connectivity where possible; - Adopt reduced impact cleaning and construction techniques and time; - Rehabilitation through planting of appropriate plant community will enhance connectivity and prevent potential invasion of pioneer invasive species; - Rehabilitation of such areas should emphasize the use of species of the characteristic flora community; and - Site cleaning should be done in the winter months when it is less vulnerable.  - An alien invasive species control programme must be developed (or any existing AIS management programmes expanded), to include the active control of alien invasive species that may establish/spread as a result of the Project activities; - Alien and invasive species management to be prioritised for the following alien and invasive species control areas: i. Areas where vegetation cover is disturbed. ii. Areas where sols imported from external sources are applied. iii. All rehabilitated areas. iv. Areas within the development area that are already invaded by alien species. v. Road fringes Habitat restoration through active revegetation should be undertaken to restore habitat connectivity where possible - Adopt reduced impact cleaning and construction techniques and time;	Control through management	Ongoing	Management: Biodiversity Act; Removal of trees in accordance with the	compliance with the guidelines can be	IMPINI ETIVITOTITIETILAI LEAGEI,