

Action	Time Schedule
2. Ensure that impacts of mining at Navigation West Section do not result in loss of animal life.	
With the exception of pests, should any animals become entrapped within the mine working or surface land use area, the animals will be handled with care and removed from the mining area to adjacent suitable habitat, and rehabilitated if necessary.	Prior to the commencement of the Construction Phase.
3. Ensure that the flora and fauna located within sensitive habitats (e.g. rocky grassland and riparian wetland) are monitored.	
The monitoring programme that will have commenced during the Construction Phase will continue during the Operational Phase to ensure that monitoring of all sensitive plant and animal species within or in close proximity to the planned area of surface disturbance.	Throughout Operational Phase.
The monitoring programme will include the monitoring of those sensitive species that will be relocated to suitable habitat elsewhere (if any), in conjunction with the relevant Regulatory Authorities.	Prior to, and during, the commencement of the Construction Phase, as well as throughout the remaining Life of Mine.
4. Ensure that the conservation management plan for the selected off-site sensitive landscape to be conserved is implemented efficiently, since the on-site pan will be destroyed.	
Implement all aspects of the conservation management plan for the selected off-site sensitive landscape.	Throughout Life of Mine.
Monitor the effectiveness of the implementation of the conservation management plan through auditing.	Annually, throughout Life of Mine.

### 2.3.12 Noise and Vibration

Objective	: To minimise the impacts of noise and vibrations on the health of people and the environment.
Specific Goals	: <ul style="list-style-type: none"> <li>Ensure that noise impacts on machine operators and/or residences are minimised.</li> <li>Ensure that operational noise is minimised.</li> <li>Ensure that noise impacts in buildings are minimised.</li> <li>Ensure that noise is controlled along the transmission path.</li> <li>Ensure transport noise impacts are minimised.</li> <li>Ensure impacts from noise generated during blasting are minimised.</li> </ul>

#### Technical / Management Options:

The Mine Safety officer will ensure that earplugs are issued to machine operators and other mine employees, and will ensure that the earplugs are used. The General Manager or his appointed representative will conduct structural surveys, in consultation with the relevant landowners, and collect a photographic record. The General Manager or his appointed representative will, in

**Technical / Management Options:**

conjunction with the Blaster, inform Interested and Affected Parties of blasting times, and ensure that all blasting is conducted correctly.

Action	Time Schedule
1. Ensure that noise impacts on machine operators and/or residences are minimised.	
Machine operators will be issued with earplugs, and instructed how to use them.	Throughout Operational Phase.
Ensure that all noise emitting machinery and vehicles are well-maintained to reduce noise at source.	Throughout Operational Phase.
2. Ensure that operational noise is minimised.	
Select equipment that is to be used on site taking into consideration the potential for reduction in environmental noise production.	Throughout Operational Phase.
Formulate and implement a buying policy for all equipment at Navigation West that takes environmental noise production into account.	Throughout Operational Phase.
Ensure that the crusher, tip area and vehicles are properly maintained.	Throughout Operational Phase.
If the noise is directional, the source will be pointed away from noise-sensitive locations (e.g. Clewer).	Throughout Operational Phase.
Internal haul routes will be well-maintained and steep gradients will be avoided.	Throughout Operational Phase.
Noisy equipment such as pumps or generators will be enclosed to reduce noise production.	Throughout Operational Phase.
Rubber linings will be used in equipment such as chutes and dumpers.	Throughout Operational Phase.
Tailgates of transport vehicles will be kept closed if possible.	Throughout Operational Phase.
3. Ensure that noise impacts in buildings are minimised.	
Materials such as porous absorbers, panel absorbers or Helmholtz resonator absorbers will be utilised to enhance the absorption of noise within buildings.	Throughout Operational Phase.
4. Ensure that noise is controlled along the transmission path.	
Noise will be controlled along its transmission path using acoustical barriers. The barriers will provide enough sound insulation so that energy passing through the barrier does not exceed the energy diffracted by the barrier, will be structurally robust enough to meet the demands of the application, and will be capable of being constructed and erected at an economic cost.	Throughout Operational Phase.



Action	Time Schedule
5. Ensure transport noise impacts are minimised.	
Transport of material off-site will be restricted to between 06:00 and 22:00.	Throughout Operational Phase.
Vehicle speeds will be restricted to 40 km / h within the Navigation West Section boundary area.	Throughout Operational Phase.
Silencers will be well maintained and replaced if they become noisy.	Throughout Operational Phase.
Vehicles will be fitted with pneumatic suspensions rather than the traditional leaf springs.	Throughout Operational Phase.
Rubber bushes will be fitted between trailer bodies and chassis' to prevent the load body slap which can occur, especially when the vehicles are empty.	Throughout Operational Phase.
6. Ensure impacts from noise generated during blasting are minimised.	
All residences and structures within a 1 km radius of the proposed mining operation will be surveyed and a photographic record of these taken to determine a pre-mining condition.	Throughout Operational Phase.
All such structures will also be inspected for signs of vibration or blasting damage.	On a 6-monthly basis (or at public request).
Mine Management will be responsible for the repair of any proven damage, which arises as a result of blasting or activities at the mine, at the mine's expense.	Throughout Operational Phase.
If blasting or vibrations are perceived to be excessive, a seismic monitor with a continuous recorder will be placed about one kilometre from the mine during blasting activities. Such recordings will be kept and made available to any interested or affected party on request.	Throughout Operational Phase.
All lawful land occupiers within a 500 m radius of the pit will be notified within 1 hour prior to Blasting.	Throughout Operational Phase.
The Blaster employed, who will be certified in terms of the Mine Safety Act, will utilise the minimum possible explosives to achieve maximum affect.	Throughout Operational Phase.
Blasting will be conducted between the hours of 08H00 and 16H00 to minimise the impact on persons dwelling within close proximity to the mine.	Throughout Operational Phase.
No blasting will take place on Saturdays or Sundays, except in exceptional circumstances.	During Construction Phase and throughout Life of Mine.

### 2.3.13 Visual Aspects

Objective	:	To reduce the impacts on the overall visual aesthetic of the proposed project to residences and landowners in the Clewer area, as well as other I&APs within
-----------	---	--

Specific Goals	: close proximity to the mining activity Ensure that visual impacts from dust generated during blasting are minimised. Ensure that dust generated by wind and movement of machinery is minimised to reduce visual impacts. Ensure that visual impacts from any mine infrastructure and / or operations are minimised.
----------------	--

**Technical / Management Options:**

The General Manager or his appointed representative will ensure that the dust suppression program is initiated and kept up to date. The General Manager or his appointed representative will also ensure that the backfilled workings are re-vegetated, and that the transport companies obey the speed limits, and that the clean-house policy is maintained. The General Manager or his appointed representative will also ensure that the visual screen is established as stated in this EMP.

Action	Time Schedule
1. Ensure that visual impacts from dust generated during blasting are minimised.	
Blasting holes will be stemmed.	When ever there is blasting on the mine during Operational Phase of mine.
2. Ensure that dust generated by wind and movement of machinery is minimised to reduce visual impacts.	
Dust suppression will be conducted on all haul roads and stockpiling areas where movement of machinery may generate dust.	Twice a day.
All trucks transporting material on the proposed mining area will be required to obey a maximum 40 km / h speed limit.	At any time during Operational Phase of the mine.
3. Ensure that visual impacts from any mine infrastructure and / or operations are minimised.	
The wind fence, or a visual barrier such as a berm as well as trees that will have been erected between Clewer and the mining operation will be maintained.	During Operational Phase.
Vegetation covering the topsoil stockpiles will be maintained where necessary.	During Operational Phase.
The soil cover and vegetation of the overburden stockpiles will be maintained where necessary.	During Operational Phase.
The constructed topsoil / subsoil berms will be maintained.	During Operational Phase.

### 2.3.14 Socio-Economic Impacts

No significant negative impacts are predicted.



**Management:**

- Any job opportunities that may become available will be allocated to existing Anglo Operations (Pty) Ltd employees, or alternatively to the local people of the region.
- Training and skill development will be provided for employees.
- The Social and Labour Plan of Landau Colliery will be implemented during the Operational Phase.

**2.3.15 Interested and Affected Parties**

Objective	: To minimise the impacts on all Interested and Affected Parties.
Specific Goals	: Maintain cordial relationships with all identified Interested and Affected Parties. Ensure that noise, air quality and other impacts on surrounding landowners are minimised. Ensure that Influx of labourers seeking employment is reduced Communication channels with the I&APs will be kept open. Ensure that all necessary precautions are taken to prevent impacting on the Sasol gas pipeline.

**Technical / Management Options:**

The General Manager or his appointed representative will be responsible for maintaining good housekeeping policies, and that the mine follows the Environmental Management Program. The General Manager or his appointed representative will ensure that all monitoring programs are kept up to date, and that reports are submitted regularly and timeously. The General Manager or his appointed representative will maintain copies of the latest reports at his office, and will make these available to all Interested and Affected Parties.

Action	Time Schedule
1. Maintain cordial relationships with all identified Interested and Affected Parties.	
Adjacent landowners who may be impacted, which show decreased borehole yields, proven by a suitably qualified specialist, resulting from this mining venture, will be compensated by the alternative supply of water.	Groundwater levels will be monitored quarterly.
All Interested and Affected Parties that were identified during the Interested and Affected Party survey will be notified prior to blasting.	Within One (1) hour of Blasting.
No unauthorised persons will be allowed on the property, and the establishment of informal settlements will be discouraged.	Throughout Life of Mine.
2. Ensure that noise, air quality and other impacts on surrounding landowners are minimised.	
Refer to Sections 2.3.10, 2.3.12, 2.3.13 and other relevant sections in this EMP. Implement mitigation of the environmental impacts that	Throughout Life of Mine.

Action	Time Schedule
will affect the I&APs.	
Monitoring of the noise and dust emissions, as well as all other aspects that may affect the I&APs such as surface water and groundwater, will be stringently implemented, and data interpreted to determine the actual extent of the impact and the effect thereof on the I&APs.	Throughout Life of Mine.
Monitoring reports will be made available to I&APs upon request.	Throughout Life of Mine.
3. Ensure that Influx of labourers seeking employment is reduced.	
The Mine will utilise people from the surrounding areas as far as possible, and no illegal labourers will be employed.	Throughout Life of Mine.
No unauthorised persons will be allowed on the property, and the establishment of informal settlements will be discouraged.	Throughout Life of Mine.
4. Communication channels with the I&APs will be kept open.	
Mine management will maintain an open-door policy. The General Manager will maintain cordial relationships with all Interested and Affected Parties. Minutes of all meetings will be kept, and made available on request.	During Operational Phase.
An Interested and Affected Parties Forum will be established. Minutes of all meetings will be taken. These Minutes will include a record of all parties in attendance.	Forum will convene every six months throughout Life of Mine.
The complaints register for the Navigation West Section will be maintained, and I&APs will be encouraged to record their complaints within the register.	Throughout Life of Mine.
Any complaints that are recorded in the complaints register will be attended to timeously, and the action taken will be recorded and reported back to the I&AP concerned.	Throughout Life of Mine.
A report of the complaints and manner in which the complaints have been addressed will be submitted to the DME on an annual basis.	Throughout Life of Mine.
5. Ensure that all necessary precautions are taken to prevent impacting on the Sasol gas pipeline.	
No buildings or other infrastructure will be constructed within the relevant servitudes of the Sasol gas pipeline, without written permission from Sasol.	Throughout Life of Mine.
No covers will be removed from the Sasol gas pipeline servitude area.	Throughout Life of Mine.
No heavy vehicles or power equipment for ground levelling etc. will be permitted over the Sasol gas pipeline servitude area unless authorised by the relevant Sasol department.	Throughout Life of Mine.
No roads, water mains, sewers, drains or other services will be constructed across the Sasol gas pipeline servitude unless otherwise agreed to by the relevant Sasol and Government departments. In this regard a formal written application will be submitted to the	Throughout Life of Mine.

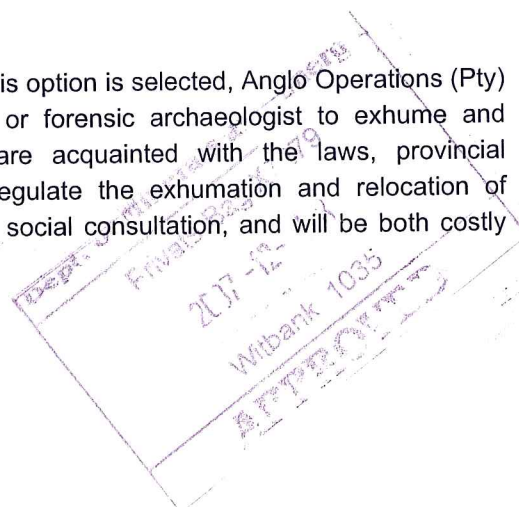


Action	Time Schedule
relevant Sasol department, together with plans and sectional drawings in triplicate of the proposed services to cross the servitude(s) in order to establish whether additional protection of the pipeline(s) will be necessary.	
No works, such as fencing or posts with deep foundations may be erected, nor will deep-rooted trees or shrubs be planted in the servitude areas which are likely to damage or endanger the pipeline(s) or the protective wrapping.	Throughout Life of Mine.
No blasting will occur within the pipeline servitude. Application to carry out blasting within 500 m of a pipeline will be made to the relevant Sasol office in writing in terms of Paragraph 17.1, Chapter 10 of the Regulations embodied in the Explosives Act and Regulations (Act 26 of 1956), as amended. Any conditions enforced by Sasol in terms of mining within the 500 m cut-off will be adhered to.	Commencing during Construction Phase, continuing throughout Life of Mine.

### 2.3.16 Historical and Cultural Aspects

The potential for accidental damage to the identified informal graveyard (located outside of the proposed Navigation West Section surface land use area) will require proactive mitigation, which will be undertaken by implementing one of the following options:

- The graveyard will be kept and conserved. This would mean that the graveyard will be kept and conserved *in situ* for posterity - except if it is decided that the graveyard must be exhumed and relocated - e.g. if rapid expansion of the mining area occurs. If the graveyard is conserved *in situ* it will be fenced in or it will be demarcated with a wall in order to ensure that the graves are not damaged, either accidentally or deliberately. The graveyard will be maintained and kept in an orderly condition. Access will be made available to family members and friends who wish to visit the deceased, or
- The graveyard will be exhumed and relocated. If this option is selected, Anglo Operations (Pty) Ltd. will approach a reputed funeral undertaker or forensic archaeologist to exhume and relocate the deceased. These professionals are acquainted with the laws, provincial regulations and administrative procedures that regulate the exhumation and relocation of graves and graveyards. This process will involve social consultation, and will be both costly and timely.



## 2.4 DECOMMISSIONING PHASE

This phase will commence when the mining of coal ceases and the crusher plants and other surface infrastructure such as the conveyors / haul roads become redundant. This phase will continue until Closure is obtained, at which point in time the Post-closure Phase will commence.

The following mining and related activities, which are expected to impact on the surrounding environmental aspects, are anticipated to take place during the Decommissioning Phase of the proposed Navigation West Section:

- Backfilling of the final void(s) (depending on the long-term groundwater management strategy),
- Removal of carbonaceous material from areas such as footprints of ROM coal stockpiles, crusher plant areas, beneath conveyors and / or along haul roads, and disposal in the final void, prior to final rehabilitation,
- Levelling of remaining in-pit spoils, and shaping and landscaping of rehabilitated open voids,
- Removal of infrastructure at the tip area as well as ripping of tip area and haul roads,
- Removal of redundant surface infrastructure (depending on the agreed end land use), and rehabilitation of the remaining footprint areas,
- Re-vegetation of exposed topsoiled areas,
- Monitoring and maintenance of rehabilitated surface land use areas, as well as surface water and groundwater, and
- Utilisation and management of the water balance to reflect the actual situation during the Decommissioning Phase.

### 2.4.1 Geology

No further impacts are predicted to occur on the geology at Navigation West during the Decommissioning Phase. No mitigation measures will therefore be necessary.

### 2.4.2 Topography

Objective	:	To restore the topography to achieve a free-draining surface
Specific Goals	:	<p>Ensure that no final voids remain (depending on the long-term groundwater management strategy).</p> <p>Ensure that all redundant surface infrastructure is removed.</p> <p>Ensure that all remaining disturbed land use areas are rehabilitated.</p> <p>Ensure that any subsidence areas within the backfilled opencast are appropriately rehabilitated.</p> <p>Ensure that erosion of rehabilitated surfaces is minimised.</p>



## Technical / Management Options:

The General Manager or his appointed representative will ensure that the topography is restored to a free-draining surface that is suitable for the end land use of grazing.

Action	Time Schedule
1. Ensure that no final voids remain (depending on the long-term groundwater management strategy).	
The final void(s) will be filled with a basal layer of shale and dirt, not exceeding the coal horizon, and backfilled with overburden and subsoils.	During Decommissioning Phase.
The filled final void(s) will be compacted to promote encapsulation, prior to the placement of the subsoil and topsoil layers	During Decommissioning Phase.
Suitable rehabilitation techniques will be employed for the backfilling of the final opencast void(s), so as to promote free-drainage	During Decommissioning Phase.
The Mine Surveyor will survey the backfilled final void(s) to ensure that these are filled and rehabilitated to surface and conform to natural runoff patterns.	After backfilling of the final void during Decommissioning Phase of mine.
It will be ensured that no excessive ponding on the rehabilitated surfaces of the final void(s) will occur.	During Decommissioning Phase.
If the long-term groundwater management strategy, which will have been developed during the Operational Phase of Navigation West, requires that not all final voids should be rehabilitated for the purpose of decant control and / or management, this EMP will be revised to reflect the change in end land use of the final void.	If necessary, during Decommissioning Phase.
2. Ensure that all surface infrastructure is removed.	
Any remaining ROM will be removed from the Navigation West Section.	During Decommissioning Phase.
Any remaining stockpiles of overburden, subsoil and topsoil will be removed, either through the rehabilitation of the final void(s), or for use elsewhere, subject to the approval of the relevant Authorities.	During Decommissioning Phase.
All surface infrastructure will be removed (depending on the long-term water management strategy), and either sold or disposed at a suitable Licensed waste disposal site.	During Decommissioning Phase.
3. Ensure that all remaining disturbed land use areas are rehabilitated.	
All remaining disturbed surface land use areas will be rehabilitated to conform to the end land use of grazing (or any other agreed end land use).	During Decommissioning Phase.
4. Ensure that any subsidence areas within the backfilled opencast are appropriately rehabilitated	
Monitoring for potential subsidence areas within the rehabilitated opencast areas will be undertaken to ensure that no excessive	During Decommissioning Phase.

Action	Time Schedule
ponding of clean water on the rehabilitated pit surfaces occurs after rehabilitation of the surface areas has been completed, so as to prevent infiltration of excessive surface water to the groundwater	
Should subsidence of the final rehabilitated areas occur, maintenance will be undertaken to ensure that the identified subsidence areas are eliminated and the surfaces of the rehabilitated subsidence areas are suitably re-vegetated	During operational and Decommissioning Phases of mine
5. Ensure that erosion of rehabilitated surfaces is minimised.	
Erosion on the remaining exposed rehabilitated land will be minimised by the establishment of a vegetation cover.	During Decommissioning Phase.
The final rehabilitated surfaces will be profiled to ensure that the mined out Navigation West area remains free-draining over the long term.	During Decommissioning Phase.

### 2.4.3 Soil

Objective	: To improve the condition of the replaced topsoil in the final rehabilitated areas.
Specific Goals	: Ensure that replacing of topsoil in final rehabilitated areas has minimum impact on soil. Ensure that erosion of replaced topsoil in the final rehabilitated areas is prevented.

#### Technical / Management Options:

The General Manager or his appointed representative will ensure that the rehabilitation plan is followed, and that the replaced soil is monitored and repaired where necessary.

Action	Time Schedule
1. Ensure that replacing of topsoil in rehabilitated areas has minimum impact on soil.	
Topsoil will be replaced in consolidated blocks in the final surface land use areas, to avoid varying soil depth and fragmented land capability classes.	During Decommissioning Phase.
Spoil and cover-soil surfaces will be shaped to allow free-drainage throughout the final rehabilitated areas to prevent water logging and subsidence.	During Decommissioning Phase.
Soil amelioration will be done after rehabilitation according to soil analyses.	During Decommissioning Phase.



Action	Time Schedule
Soil compaction in the final rehabilitated surface land use areas will be minimised by dumping sufficient soil per square unit to allow a once-off levelling on top, which will prevent compaction lower down in the soil profile.	During Decommissioning Phase.
2. Ensure that erosion of replaced topsoil in the rehabilitated areas is prevented.	
The final rehabilitated workings will be seeded in accordance with identified suitable seed mixture. This will reduce loss of topsoil resulting from wind and water erosion.	During Decommissioning Phase.
Monitoring will be conducted to identify surface areas in need of maintenance and repair, insofar as soil erosion is concerned.	Monthly, during Decommissioning Phase. Weekly during periods of high rainfall as well as high wind conditions.

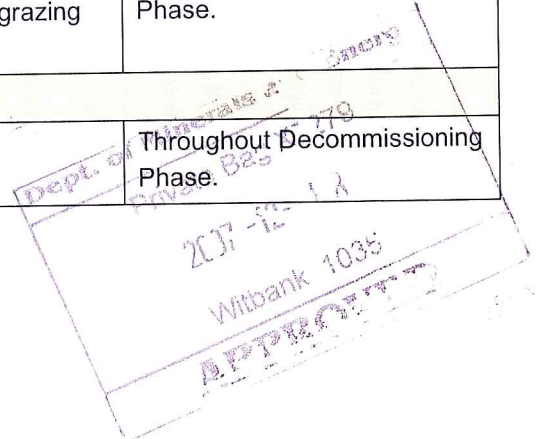
#### 2.4.4 Land Capability

Objective	:	To minimise impacts of mining on land capability.
Specific Goals	:	Ensure that a suitable seed mix of sustainable grasses is used to conform to the end land use of grazing. Ensure that all soil is appropriately managed.

#### Technical / Management Options:

The General Manager or his appointed representative will ensure that the final rehabilitation plan is followed, and that all soil is appropriately managed.

Action	Time Schedule
1. Ensure that a seed mix of sustainable grasses is used to obtain an end land use of grazing.	
The final rehabilitated land use surfaces will be seeded with an appropriate seed mixture that will allow the end land use of grazing to be achieved.	During Decommissioning Phase.
2. Ensure that all soil is appropriately managed.	
Implement all measures stipulated in Section 2.4.3, above.	Throughout Decommissioning Phase.



### 2.4.5 Land Use

Objective	: To minimise impacts of mining on land use.
Specific Goals	: Ensure that rehabilitation of final disturbed surface land use areas is undertaken in such a manner as to obtain an end land use of grazing.  Ensure that final rehabilitated areas are monitored and maintained, along with those areas that were rehabilitated during the Operational Phase.  Ensure that the post-mining land (including areas which were not directly affected by mining during the Operational Phase) is utilised sustainably.

#### Technical / Management Options:

The General Manager or his appointed representative will ensure that the rehabilitation plan is followed, and that monitoring and maintenance of rehabilitated surface areas is conducted as stipulated.

Action	Time Schedule
1. Ensure that rehabilitation of final disturbed surface land use areas is undertaken in such a manner as to obtain an end land use of grazing.	
Backfilling and profiling of the final void(s) will take place as stipulated in Section 2.4.2.	Throughout Decommissioning Phase.
Subsidence areas will be rehabilitated (infilling and / or reshaping) to allow free-drainage.	Throughout Decommissioning Phase.
Soil will be ameliorated in accordance with the soil analyses that will be undertaken prior to final rehabilitation.	Throughout Decommissioning Phase.
Good rehabilitation procedures will be implemented during the rehabilitation of the final void(s) to prevent mixing of topsoil and spoil material, compaction of soil and acidification of the soil.	Throughout Decommissioning Phase.
2. Ensure that final rehabilitated areas are monitored and maintained, along with those areas that were rehabilitated during the Operational Phase.	
Rehabilitated opencast areas, including the rehabilitated final void(s), will be monitored for subsidence areas.	Throughout Decommissioning Phase.
Rehabilitated opencast areas will be actively monitored and maintained. This will include, amongst other, removal of grass growth by mowing and baling or controlled grazing and eradication of weeds.	Throughout Decommissioning Phase.
3. Ensure that the post-mining land (including areas which were not directly affected by mining during the Operational Phase) is utilised sustainably.	
The sustainable productive use of rehabilitated land, as well as land that was not directly affected by mining during the Operational Phase will be maximised and controlled.	Throughout Decommissioning Phase.



### 2.4.6 Natural Vegetation

Objective	: To minimise impacts on natural vegetation.
Specific Goals	: Ensure that the post-mining vegetation is suitable for the end land use of grazing. Ensure that the natural vegetation surrounding rehabilitated areas is not adversely affected as a result of rehabilitation. Ensure that monitoring of rehabilitated vegetation as well as natural vegetation is undertaken.

#### Technical / Management Options:

The General Manager or his appointed representative will ensure that the commitments in this EMP are applied. A suitably qualified person will be employed to conduct a vegetation survey on rehabilitated areas and to monitor the status of rehabilitated vegetation as well as the sensitive vegetation units adjacent to the rehabilitated mining area.

Action	Time Schedule
1. Ensure that the post-mining vegetation is suitable for the end land use of grazing.	
Backfilled and rehabilitated workings will be seeded with an appropriate seed mixture.	As soon as mined cuts are rehabilitated.
2. Ensure that the natural vegetation surrounding rehabilitated areas is not adversely affected as a result of rehabilitation.	
All declared alien weeds in rehabilitated areas as well as in surrounding areas within Navigation West Section that were not directly affected by mining will be effectively controlled.	Throughout Life of Mine.
3. Ensure that monitoring of rehabilitated vegetation as well as natural vegetation is undertaken.	
Vegetation cover inspection of rehabilitated land will be conducted.	Seasonally during Decommissioning Phase.
A report will be compiled on the status of the vegetation cover of the rehabilitated surface land use areas, as well as on the composition and relative distribution of plant species (including indigenous and alien invasive species) within the rehabilitated areas, as well as surrounding areas within Navigation West Section that were not directly affected by mining. The mentioned report will be used to improve the rehabilitated vegetation cover, if necessary, as well as for submission to the DME.	Seasonally during Decommissioning Phase.

### 2.4.7 Animal Life

Objective	:	To monitor the status of the animal life associated with the rehabilitated Navigation West Section.
Specific Goals	:	Continue to monitor the status of the Grass Owls ( <i>Tyto capensis</i> ) in the riparian vegetation associated with the unnamed tributary of the Grootspuit. Monitor the return of animal species to the rehabilitated Navigation West Section.

#### Technical / Management Options:

The General Manager or his appointed representative will ensure that the commitments in this EMP are applied. A suitably qualified person will be employed to conduct monitoring of the status of animal life returning to the rehabilitated Navigation West Section, as well as to continue monitoring the status of the Grass Owls (*Tyto capensis*).

Action	Time Schedule
1. Continue to monitor the status of the Grass Owls ( <i>Tyto capensis</i> ) in the riparian vegetation associated with the unnamed tributary of the Grootspuit.	
The status of the Grass Owls adjacent to the unnamed tributary of the Grootspuit will continue to be monitored.	During Decommissioning Phase.
2. Monitor the return of animal species to the rehabilitated Navigation West Section.	
The return of animal life to the rehabilitated Navigation West Section will be monitored and reported to Mine Management as well as DME.	Seasonally during Decommissioning Phase.

### 2.4.8 Surface Water

#### 2.4.8.1 Water Quantity

Objective	:	To reduce impacts of disturbed surface land use areas on surface water runoff (surface water quantity).
Specific Goals	:	Improve surface water runoff to as close to pre-mining conditions as possible. Ensure that rehabilitation is undertaken timeously to avoid potential pollution of surface water runoff due to exposed surface areas. Ensure that erosion of rehabilitated areas is minimised. Ensure that a final long-term water management strategy is developed and implemented. Ensure that utilisation and management of the water balance continues.