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Department:
Environment & Nature Conservation
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

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	(For official use only)
File Reference Number:	
Application Number:	
Date Received:	

Basic Assessment Report in terms of the Environmental Impact Assessment Regulations, 2014, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

Kindly note that:

- This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
- This report format is current as of **08 December 2014**. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority
- The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
- Where applicable **tick** the boxes that are applicable in the report.
- An incomplete report may be returned to the applicant for revision.
- The use of “not applicable” in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
- This report must be handed in at offices of the relevant competent authority as determined by each authority.
- No faxed or e-mailed reports will be accepted.
- The signature of the EAP on the report must be an original signature.
- The report must be compiled by an independent environmental assessment practitioner.
- Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
- A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
- Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report must also be submitted.

SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section?	YES	NO
If YES, please complete the form entitled "Details of specialist and declaration of interest" for the specialist appointed and attach in Appendix I.		

- **ACTIVITY DESCRIPTION**

a) **Describe the project associated with the listed activities applied for**

Proposed construction of a packing shed (8425m²) with a development footprint of 25000m² on Remainder of Perseel 1731, Kakamas South Settlement, Kai !Garib Local Municipality, Northern Cape

It is proposed that a packaging shed with a development footprint of approximately 2.5ha (25 000m²) be constructed on Remainder of Perseel 1731, Kakamas South Settlement, Northern Cape.

The applicant recently realized that a packing shed would be required for the harvesting of citrus fruit on the farm. The expected harvesting period would be from March 2018, and the anticipated groundwork for the construction would possibly commence around August / September 2017 (depending on date of anticipated authorization).

An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m² (2.5ha). The building and off-loading areas would be approximately 8425m². The site co-ordinates are 28°46'36.24"S, 20°30'41.41"E.



Figure 1: Aerial image showing the location of the proposed site (red dot) and the surrounding area.

Government Notice R983 (Listing Notice 1):

Activity no. 8: The development and related operation of hatcheries or agri-industrial facilities outside industrial complexes where the development footprint covers an area of 2 000 square metres or more.

Activity 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for;

- (i) the undertaking of a linear activity; or
- (ii) maintenance purposes undertaken in accordance with a maintenance management plan.

An area of approximately 2500m² will be cleared of vegetation to allow for the proposed construction of the packing shed. In addition, the development footprint of the packing shed and associated infrastructure is approximately 25000m² (2.5ha). The packing shed will be utilized during the harvesting of citrus fruit on Remainder of Perseel 1731, Kakamas South Settlement, Northern Cape.

Government Notice R327 (Listing Notice 1):

Activity no. 8: The development and related operation of hatcheries or agri-industrial facilities outside industrial complexes where the development footprint covers an area of 2 000 square metres or more.

Activity no. 27: The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—

- (i) the undertaking of a linear activity; or
- (ii) maintenance purposes undertaken in accordance with a maintenance management plan.

Site Description

The proposed site is currently undeveloped and has natural vegetation present. The proposed packing shed will be located on a flat surface area and will be located at the north-western part of the property. A residential area is located approximately 120m west of the site and citrus trees/orchard is located south-east of the site. The property is used for agricultural purposes. No roads will be constructed as existing gravel roads will be used during the construction of proposed packing shed. The site has previously been grazed by animals in the vicinity. The site falls with the Bushmanland Arid Grassland vegetation type that covers large areas in the region and its status is "least threatened". Little of this vegetation is transformed.

Civil and Electrical Services

Electricity will be obtained from Eskom. The proposed packing shed does not require a Water Use License for the construction or operation of the packing shed. Sewage and refuse will be collected by the local municipality. All accumulated waste during the operational phase of the activity will be removed by the applicant itself.

Access

No new roads will be constructed to gain access to the proposed site. Existing gravel roads will be utilised to gain entrance to and from the site.

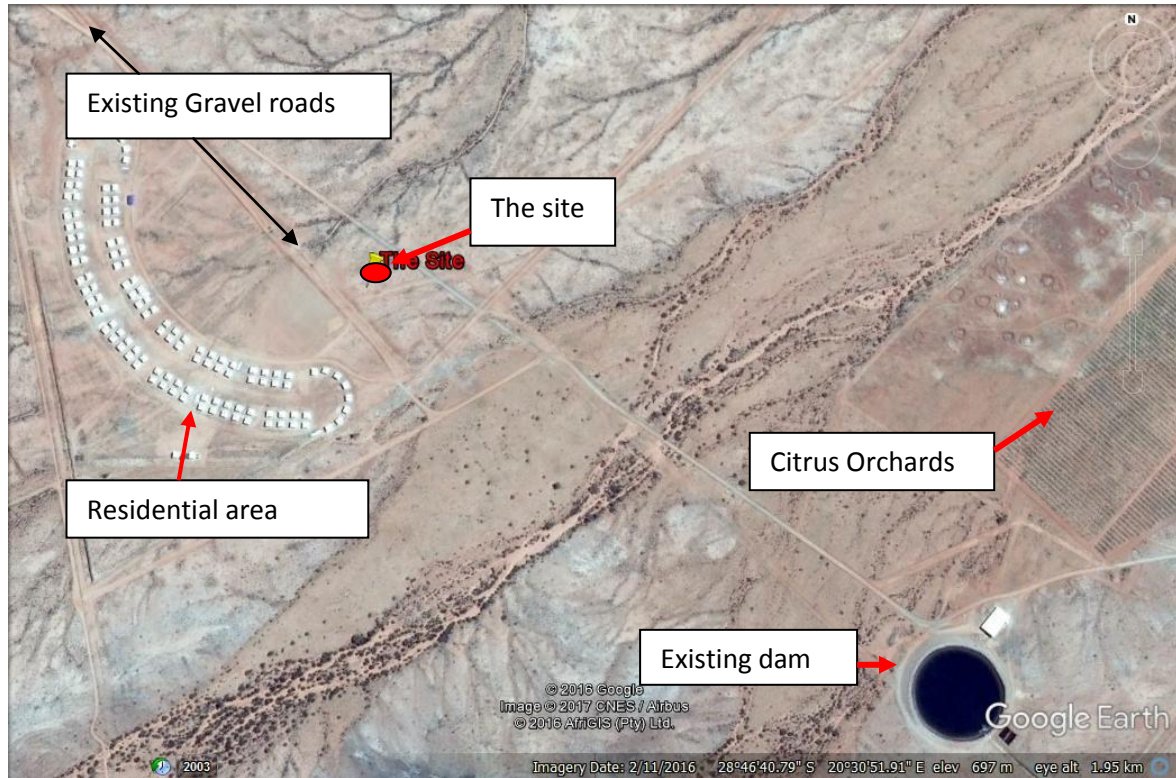


Figure 2: Arial image of the proposed site and its surroundings. The site is indicated by the red dot.

b) Provide a detailed description of the listed activities associated with the project as applied for

Listed activity as described in GN 983, 984, 984 and 327.	Description of project activity
<u>GN 983 (Item 8):</u> The development and related operation of hatcheries or agri-industrial facilities outside industrial complexes where the development footprint covers an area of 2 000 square metres or more.	An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m ² (2.5ha). The building and off-loading areas would be approximately 8425m ² . The site co-ordinates are 28°46'36.24"S, 20°30'41.41"E.
<u>GN 983 (Item 27):</u> The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for; (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m ² (2.5ha). The building and off-loading areas would be approximately 8425m ² . The site co-ordinates are 28°46'36.24"S, 20°30'41.41"E.

<p><u>GN 327 (Item 8):</u> The development and related operation of hatcheries or agri-industrial facilities outside industrial complexes where the development footprint covers an area of 2 000 square metres or more.</p>	<p>An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m² (2.5ha). The building and off-loading areas would be approximately 8425m². The site co-ordinates are 28°46'36.24"S, 20°30'41.41"E.</p>
<p><u>GN 327 (Item 27):</u> The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m² (2.5ha). The building and off-loading areas would be approximately 8425m². The site co-ordinates are 28°46'36.24"S, 20°30'41.41"E.</p>

• **FEASIBLE AND REASONABLE ALTERNATIVES**

“**alternatives**”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

- (a) the property on which or location where it is proposed to undertake the activity;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;
- (d) the technology to be used in the activity;
- (e) the operational aspects of the activity; and
- (f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Appendix 1 (3)(h), Regulation 2014. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed.

The determination of whether site or activity (including different processes, etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the, competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

a) Site alternatives

No other site alternatives were considered because the proposed site is the property of the applicant; it is next to existing gravel roads and in close proximity of the labourer's residential area.

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Proposed construction of a packing shed (8425m ²) with a development footprint of 25000m ² on Remainder of Perseel 1731, Kakamas South Settlement, Kai !Garib Local Municipality, Northern Cape.	28°46'36.24"S	20°30'41.41"E
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

In the case of linear activities:

Alternative:	Latitude (S):	Longitude (E):
Alternative S1 (preferred)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		
Alternative S2 (if any)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A of this form.

b) Lay-out alternatives

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
<u>Proposed construction of a packing shed (8425m²) with a development footprint of 25000m² on Remainder of Perseel 1731, Kakamas South Settlement, Kai! Garib Local Municipality,</u>	28°46'36.24"S	20°30'41.41"E

<u>Northern Cape.</u>		
<p>It is proposed that a packaging shed with a development footprint of approximately 2.5ha (25 000m²) be constructed on Remainder of Perseel 1731, Kakamas South Settlement, Northern Cape.</p> <p>The applicant recently realized that a packing shed would be required for the harvesting of citrus fruit on his farm. The expected harvesting period would be from March 2018, and the anticipated groundwork for the construction would possibly commence around August / September 2017 (depending on date of anticipated authorization).</p> <p>An area of more than 1ha of indigenous vegetation will be cleared for the construction of the packing shed with a development footprint of 25 000m² (2.5ha). The building and off-loading areas would be approximately 8425m². The site co-ordinates are 28°46'36.24"S, 20°30'41.41"</p> <p>The proposed site layout is next to existing gravel roads and is in close proximity to the labourer's residential area. This alternative provides the applicant with a packing shed that would enable the applicant to create employment opportunities on the farm and to allow for the export of citrus fruit to other markets.</p>		
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
<p>No other alternatives were assessed due to the layout and locality of the proposed site in relation to existing infrastructure. The current layout is located near a residential area (workers) and access will be gained by using existing gravel roads on the farm, therefore no need for the construction of new roads. An existing irrigation dam is located approximately 800m south-east of the site. In addition, the citrus orchards is located approximately 800m south-east from the proposed site.</p> <p>No other alternatives were assessed due to the layout and locality of the proposed site in relation to existing infrastructure. See Appendix C for Site Layout.</p>		
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

c) Technology alternatives

No technology alternatives were considered.

Alternative 1 (preferred alternative)
Alternative 2

Alternative 3

d) Other alternatives (e.g. scheduling, demand, input, scale and design alternatives)

N/A

Alternative 1 (preferred alternative)		
Alternative 2		
Alternative 3		

e) No-go alternative

The no-go option would be the option of not constructing the SOSA RONA packing shed. The applicant commenced with the planting of citrus fruit on a portion of Erf 1731 and is now requiring the need for a packing shed before the harvesting period commences.

Although this option would result in no potential negative environmental impacts, the positive socio-economic impacts from the proposed activity will not be achieved. The activity is expected to contribute toward the local community's well being and choosing this option will not allow any jobs to be created.

The proposed activity may have a low-medium negative environmental impact on a localised scale; an area of more than 25000m² will be cleared off natural vegetation for the construction of the packing shed. However, the proposed negative impact could be reduced to a low negative when the ("Environmental Management Programme") EMP_r is implemented.

The no-go option would only have been recommended if it were found that the construction of the proposed development on this site or in this area might potentially cause substantial detrimental harm to the environment.

Paragraphs 3 – 13 below should be completed for each alternative.

• **PHYSICAL SIZE OF THE ACTIVITY**

a) Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative:	Size of the activity:
Alternative A1 (preferred activity alternative)	Approximately 25000 m ²
Alternative A2 (if any)	m ²
Alternative A3 (if any)	m ²

or, for linear activities:

Alternative:	Length of the activity:
Alternative A1 (preferred activity alternative)	m
Alternative A2 (if any)	m

Alternative A3 (if any)		m
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b) Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Alternative:	Size of the site/servitude:
Alternative A1 (preferred activity alternative)	m ²
Alternative A2 (if any)	m ²
Alternative A3 (if any)	m ²

• **SITE ACCESS**

Does ready access to the site exist?	YES	NO
If NO, what is the distance over which a new access road will be built	m	

Describe the type of access road planned:

Access to the site will be gained by an existing gravel road. The site has an access gate.



Figure 3: Image of the access road of the proposed development (image taken from the site viewing south east).

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

- **LOCALITY MAP**

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection).

- **LAYOUT/ROUTE PLAN**

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

- **SENSITIVITY MAP**

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWS);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

- **SITE PHOTOGRAPHS**

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

- **FACILITY ILLUSTRATION**

A detailed illustration of the activity must be provided at a scale of at least 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

- **ACTIVITY MOTIVATION**

Motivate and explain the need and desirability of the activity (including demand for the activity):

<ul style="list-style-type: none"> • Is the activity permitted in terms of the property's existing land use rights? 	YES	NO	Please explain
<p>The property is zoned for agricultural purposes and no re-zoning application is required. The property is surrounded with agricultural activities. Citrus orchards are located on the adjacent property. An existing irrigation dam is located approximately 800m south-east of the site.</p> <p>The applicant recently realized that a packing shed would be required for the harvesting of citrus fruit on the farm. The expected harvesting period would be from March 2018, and the anticipated groundwork for the construction would possibly commence around August / September 2017 (depending on date of anticipated authorization).</p>			
<ul style="list-style-type: none"> • Will the activity be in line with the following? 			
<ul style="list-style-type: none"> (a) Provincial Spatial Development Framework (PSDF) 	YES	NO	Please explain
<p>The activity is for the construction of a packing shed on an Agricultural zoned site, the development of this packing shed will not require re-zoning. The proposed development is not considered to impact on the area's PSDF as the activity is required in order for the packing of citrus fruit within an agricultural area of Kakamas. Building plans will be submitted to the local municipality for approval.</p>			
<ul style="list-style-type: none"> (b) Urban edge / Edge of Built environment for the area 	YES	NO	Please explain
<p>The site is located outside the urban edge.</p>			
<ul style="list-style-type: none"> (c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?). 	YES	NO	Please explain
<p>The compilation of a Spatial Development Framework for the Kai! Garib Local Municipality has been completed in 2012. The proposed activity is not considered to impact on the area's IDP or SDF as this application is for the proposed construction of a packing shed for the harvesting of citrus fruit.</p>			

(d) Approved Structure Plan of the Municipality	YES	NO	Please explain
Unknown			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	YES	NO	Please explain
No EMF was identified. However, the approval will not compromise the integrity of the existing environmental management priorities for the area.			
(f) Any other Plans (e.g. Guide Plan)	YES	NO	Please explain
• Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?	YES	NO	Please explain
The activity is for the development of a packing shed on an Agricultural zoned property/site, the development of the packing shed will not require a rezone application. The proposed activity is not considered to impact on the area's IDP or SDF as this application is for the proposed construction of a packing shed for the harvesting of citrus fruit			
• Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)	YES	NO	Please explain
The applicant is need for the construction of the proposed packing shed during harvesting of citrus fruit on his farm. The property is surrounded by agricultural developments and a residential area is approximately 120m west of the proposed site. The activity is expected to contribute toward the local area's economy and will provide much needed employment opportunities during the construction and operational phase of the activity.			
• Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	YES	NO	Please explain
Electricity will be obtained from Eskom.			
The proposed packing shed does not require a Water Use License for the construction or operation			

of the packing shed.

Sewage and refuse will be collected by the local municipality.

All accumulated waste during the operational phase of the activity will be removed by the applicant itself.

• **Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)**

YES

NO

Please explain

The activity is for the development of a packing shed on an Agricultural zoned site, the development of this packing shed does not require a rezoning application. Building plans will be submitted to the local municipality for approval.

• **Is this project part of a national programme to address an issue of national concern or importance?**

YES

NO

Please explain

The activity is for the development of a packing shed on an Agricultural zoned site, the development of this packing shed does not require a rezoning application.

• **Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)**

YES

NO

Please explain

The proposed site is zoned agricultural and it is next to existing access roads. Therefore, no need to construct new roads. The proposed site is located 120m east of an existing residential area. The property has the usual agricultural infrastructure associated with a citrus farm. The surrounding land uses are predominantly agricultural in nature, with dams, rivers, orchards in the surrounding area.

There are no significant negative environmental impacts that have been identified. However, an area of 2500m² will be cleared from indigenous vegetation. The clearance could have a low-medium negative environmental impact without mitigation. The EMP_r will be implemented to reduce the negative impact and to enhance the positive environmental impacts.

• **Is the development the best practicable environmental option for this land/site?**

YES

NO

Please explain

The best environmental option would be the no-go alternative. However, the social benefits of the proposed project would not be realised. The site falls within the Bushmansland Arid Grassland. Although only small patches of this vegetation type is conserved in statutorily conservation areas, it is classified as 'least threatened', because little of the area has been transformed and large areas of the Northern Cape. The significance of habitat loss on the property is therefore fairly low from the point of view of the overall condition and the total area covered by the Bushmanland Arid Grassland.

The proposed site is zoned agricultural and it is located next to existing access roads. Therefore, no need to construct new roads. The proposed site is located 120m east of an existing residential area. The property has the usual agricultural infrastructure associated with a citrus farm. The surrounding land uses are predominantly agricultural in nature, with dams, rivers, orchards in the surrounding area.

<p>Although the establishment of the packing shed will cause some disturbance, with the implementation of the EMPr the proposed activity is expected to have a low negative impact. The development is thus considered to be the best practicable environmental option for the land.</p>			
<p>• Will the benefits of the proposed land use/development outweigh the negative impacts of it?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>There are no significant negative environmental impacts that have been identified. However, an area of 2500m² will be cleared from indigenous vegetation. The clearance could have a low-medium negative environmental impact without mitigation. The EMPr will be implemented to reduce the negative impact and to enhance the positive environmental impacts.</p>			
<p>• Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The proposed activity is not expected to set a precedent as the site is surrounded by agricultural activities (farming of citrus fruit), etc. The predominant land use in the surrounding area is agriculture related.</p>			
<p>• Will any person's rights be negatively affected by the proposed activity/ies?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The rights of residents, local farmers, the community etc. are not expected to be negatively impacted as the proposed activity is expected to have positive impact on the Kakamas South Settlement community. Jobs will be created during the construction and operational phase.</p>			
<p>• Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The activity is not expected to compromise the urban edge. The proposed packing shed is required for the harvesting of citrus fruit.</p>			
<p>• Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>The project may contribute to SIP 11 – Agri-logistics and rural infrastructure (Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&D on rural issues (including expansion of agricultural college colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.).</p>			
<p>• What will the benefits be to society in general and to the local communities?</p>	<p>Please explain</p>		
<p>It is proposed that a packaging shed with a development footprint of approximately 2.5ha (25 000m²) be constructed on Remainder of Perseel 1731, Kakamas South Settlement, Northern Cape.</p> <p>The applicant recently realized that a packing shed would be required for the harvesting of citrus fruit on his farm. The proposed site layout is next to existing gravel roads and is in close proximity to the labourer's residential area. This alternative provides the applicant with a packing shed that would enable the applicant to create local employment opportunities on the farm and to allow for the export of citrus fruit to other markets.</p>			

According to Stats SA 30949 people are economically active (employed or unemployed but looking for work), and of these, 10% are employed. Of the 19 375 economically active youth (15-35years) in the area, 10% are unemployed. According to the Kai !Garib Municipality IDP 2014, the agricultural sector is still the main economic sector who made the biggest contribution (51.8%) to the economy of Kai !Garib in 2010.

The proposed development will indirectly benefit the society in general (production of fruit).

<p>• Any other need and desirability considerations related to the proposed activity?</p>	<p>Please explain</p>
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The applicant recently realized that a packing shed would be required for the harvesting of citrus fruit on his farm. The expected harvesting period would be from March 2018, and the anticipated groundwork for the construction would possibly commence around August / September 2017 (depending on date of anticipated authorization).

The proposed site layout is next to existing gravel roads and is in close proximity to the labourer's residential area. This alternative provides the applicant with a packing shed that would enable the applicant to create local employment opportunities on the farm and to allow for the export of citrus fruit to other markets.

<p>• How does the project fit into the National Development Plan for 2030?</p>	<p>Please explain</p>
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The proposed development of a packing shed does not fall into the National development plan for 2030 but it does create new jobs and strengthen the delivery of basic services which forms part of this national plan.

<p>• Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</p>
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The general objectives of Integrated Environmental Management have been taken into account through the following:

- The actual and potential impacts of the activity on the environment, socio-economic conditions and cultural heritage have been identified, predicted and evaluated, as well as the risks and consequences and alternatives and options for mitigation of activities, with a view to minimizing negative impact, maximizing benefits and promoting compliance with the principles of environmental management – please refer to Section D below.
- The effects of the activity on the environment have been considered before actions taken in connection with them
- Adequate and appropriate opportunity for public participation was ensured through the public participation process – please refer to Section C and Appendix E for the public participation information, including the list of identified Interested and Affected parties, as well as the methods for identifying and informing I&APs of the application and proposed activity.
- The environmental attributes have been considered in the management and decision-making of the activity – an EMPr has been included (Appendix G) with the proposed activity and must adhere to the requirements of all applicable state Authorities.

<p>• Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.</p>
--

The principles of environmental management as set out in section 2 of NEMA have been taken into account. The principles pertinent to this activity include:

- People and their needs have been placed at the forefront while serving their physical, psychological, developmental, cultural and social interests – the proposed activity will have a beneficial impact on people, especially the local community and local farmers.
- Development must be socially, environmentally and economically sustainable. Where disturbance of ecosystems, loss of biodiversity, pollution and degradation, and landscapes and sites that constitute the nation's cultural heritage cannot be avoided, are minimised and remedied. - Although the activity is expected to have little significant environmental impact, these impacts have been considered, and mitigation measures have been put in place. This is dealt with in the EMPr (Appendix G).
- Where waste cannot be avoided, it is minimised and remedied through the implementation and adherence of EMPr.
- The use of non-renewable natural resources is responsible and equitable – no exploitation of non-renewable natural resources occurs with the proposed activity.
- The negative impacts on the environment and on people's environmental rights have been anticipated and prevented, and where they cannot be prevented, are minimised and remedied - refer to Section F below.
- The interests, needs and values of all interested and affected parties have been taken into account in any decisions through the Public Participation Process – please refer to Section C and Appendix E for the public participation information.
- The social, economic and environmental impacts of the activity have been considered, assessed and evaluated, including the disadvantages and benefits – refer to Section F below.
- The effects of decisions on all aspects of the environment and all people in the environment have been taken into account, by pursuing what is considered the best practicable environmental option – the proposed activity is expected to have minimal/negligible environmental impacts, especially after mitigation measures as described under Section D and in the EMPr are implemented.

• **APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES**

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
Spatial Planning and Land Use Management Act 16 of 2013 (SPLUMA)	N/A	N/A	N/A

• **WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT**

a) **Solid waste management**

Will the activity produce solid construction waste during the construction/initiation phase?	YES	NO
--	------------	-----------

If YES, what estimated quantity will be produced per month? **Unknown**

	m ³
--	----------------

How will the construction solid waste be disposed of (describe)?

The general solid waste generated during construction will be consolidated on site during construction, and disposed of at the nearest approved municipal landfill site.

Where will the construction solid waste be disposed of (describe)?

The general solid waste generated during construction will be consolidated on site during construction, and disposed of at the nearest approved municipal landfill site.

Will the activity produce solid waste during its operational phase?	YES	NO
If YES, what estimated quantity will be produced per month?	m ³	
How will the solid waste be disposed of (describe)?		

The solid waste generated will be collected by the applicant and will be disposed of at the nearest approved municipal landfill site.

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

The solid waste generated will be collected by the applicant and will be disposed of at the nearest approved municipal landfill site.

Where will the solid waste be disposed of if it does not feed into a municipal waste stream (describe)?

N/A

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA?	YES	NO
If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.		

Is the activity that is being applied for a solid waste handling or treatment facility?	YES	NO
If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.		

b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?	YES	NO
If YES, what estimated quantity will be produced per month?	m ³	
Will the activity produce any effluent that will be treated and/or disposed of on site?	YES	NO
<i>If YES, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.</i>		

Will the activity produce effluent that will be treated and/or disposed of at another facility?	YES	NO
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If YES, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:	Cell:		
E-mail:	Fax:		

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

N/A. The proposed activity is not expected to produce any wastewater during the operational phase.

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?	YES	NO
If YES, is it controlled by any legislation of any sphere of government?	YES	NO
If YES, the applicant must consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.		
If NO, describe the emissions in terms of type and concentration:		

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?	YES	NO
--	-----	----

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?	YES	NO
If YES, is it controlled by any legislation of any sphere of government?	YES	NO

Describe the noise in terms of type and level:

Localised construction noise will be limited to the site and is considered to cause an insignificant noise impact. Construction will be limited to normal working hours in an attempt to mitigate any potential negative noise impacts.

• **WATER USE**

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

Municipal X	Water board	Groundwater	River, stream, dam or lake	Other	The activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:	N/A litres	
Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?	YES	NO
If YES, please provide proof that the application has been submitted to the Department of Water Affairs.		

• **ENERGY EFFICIENCY**

Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

Energy efficient materials will be utilised during the construction of the proposed packing shed.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

No other design alternatives has been considered in the design of the proposed packing shed.

SECTION B: SITE/AREA/PROPERTY DESCRIPTION

Important notes:

- For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section B and indicate the area, which is covered by each copy No. on the Site Plan.

Section B Copy No. (e.g. A):

- Paragraphs 1 - 6 below must be completed for each alternative.

<ul style="list-style-type: none"> Has a specialist been consulted to assist with the completion of this section? 	YES	NO
If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.		

Property description/physical address:	Province	Northern Cape	
	District Municipality	ZF Mgcawu District Municipality	
	Local Municipality	Kai! Garib Municipality	
	Ward Number(s)	3	
	Farm name and number	Remainder of Perseel 1731, Kakamas South Settlement	
	Portion number	2373	
	SG Code	C03600060000173102373	
Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.			
Current land-use zoning as per local municipality IDP/records:		Agricultural Zoned	
		In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.	
Is a change of land-use or a consent use application required?			YES NO

- GRADIENT OF THE SITE**

Indicate the general gradient of the site.

Alternative S1:

Flat X	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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Alternative S2 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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Alternative S3 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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- LOCATION IN LANDSCAPE**

Indicate the landform(s) that best describes the site:

2.1 Ridgeline		2.4 Closed valley		2.7 Undulating plain / low hills	
2.2 Plateau		2.5 Open valley		2.8 Dune	
2.3 Side slope of hill/mountain		2.6 Plain	x	2.9 Seafront	
2.10 At sea					

- GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE**

Is the site(s) located on any of the following?

	Alternative S1:		Alternative S2 (if any):		Alternative S3 (if any):	
Shallow water table (less than 1.5m deep)	YES	NO	YES	NO	YES	NO
Dolomite, sinkhole or doline areas	YES	NO	YES	NO	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO	YES	NO	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO	YES	NO	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO	YES	NO	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO	YES	NO	YES	NO
Any other unstable soil or geological feature	YES	NO	YES	NO	YES	NO
An area sensitive to erosion	YES	NO	YES	NO	YES	NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted.

- GROUNDCOVER**

Indicate the types of groundcover present on the site. The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Natural veld - good condition^E	Natural veld with scattered aliens ^E	Natural veld with heavy alien infestation ^E	Veld dominated by alien species ^E	Gardens
Sport field	Cultivated land	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an "E" is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn't have the necessary expertise.

- SURFACE WATER**

Indicate the surface water present on and or adjacent to the site and alternative sites?

Perennial River	YES	NO	UNSURE
Non-Perennial River	YES X	NO	UNSURE
Permanent Wetland	YES	NO	UNSURE
Seasonal Wetland	YES	NO	UNSURE
Artificial Wetland	YES	NO	UNSURE

Estuarine / Lagoonal wetland	YES	NO	UNSURE
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If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

The Hartbees River is approximately 3600m south-east of the proposed site. The most sensitive feature in the immediate area is the ephemeral drainage line on the north-western side of site. No watercourse or drainage lines occur within 32m of the proposed site.

The Orange River is approximately 4.5km north-west of the proposed site. The Hartbees River is approximately 3600m south-east of the proposed site. The most sensitive feature in the immediate area is the ephemeral drainage line on the north-western side of site. No watercourse or drainage lines occur within 32m of the proposed site. No watercourse or drainage lines occur within 32m of the proposed site. This causes for the site to be approximately 3600m from a National Freshwater Ecosystem Priority Area (NFEPA). This is more than 32m from any freshwater system.

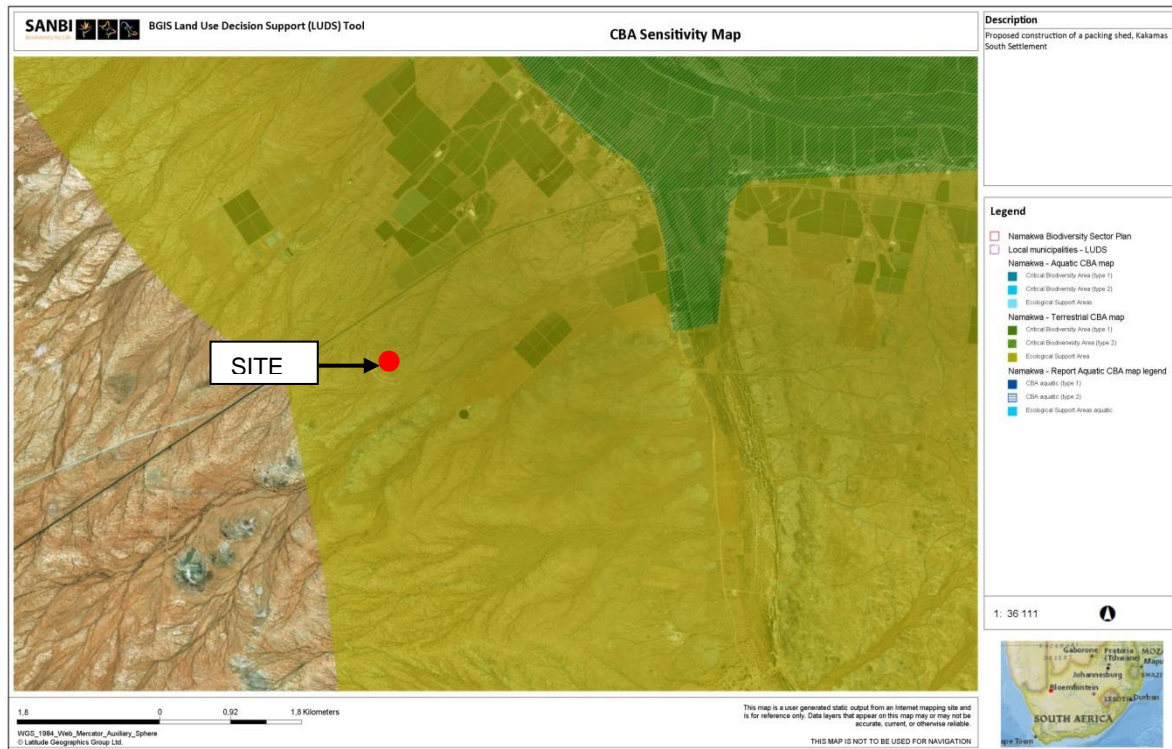


Figure 4: SANBI BGIS - CBA Sensitivity Map. The site is located within a Terrestrial Ecological Support Area (“ESA”). The site contains indigenous vegetation. The site is indicated by the red dot. (See **Appendix D2: Biodiversity Assessment**).

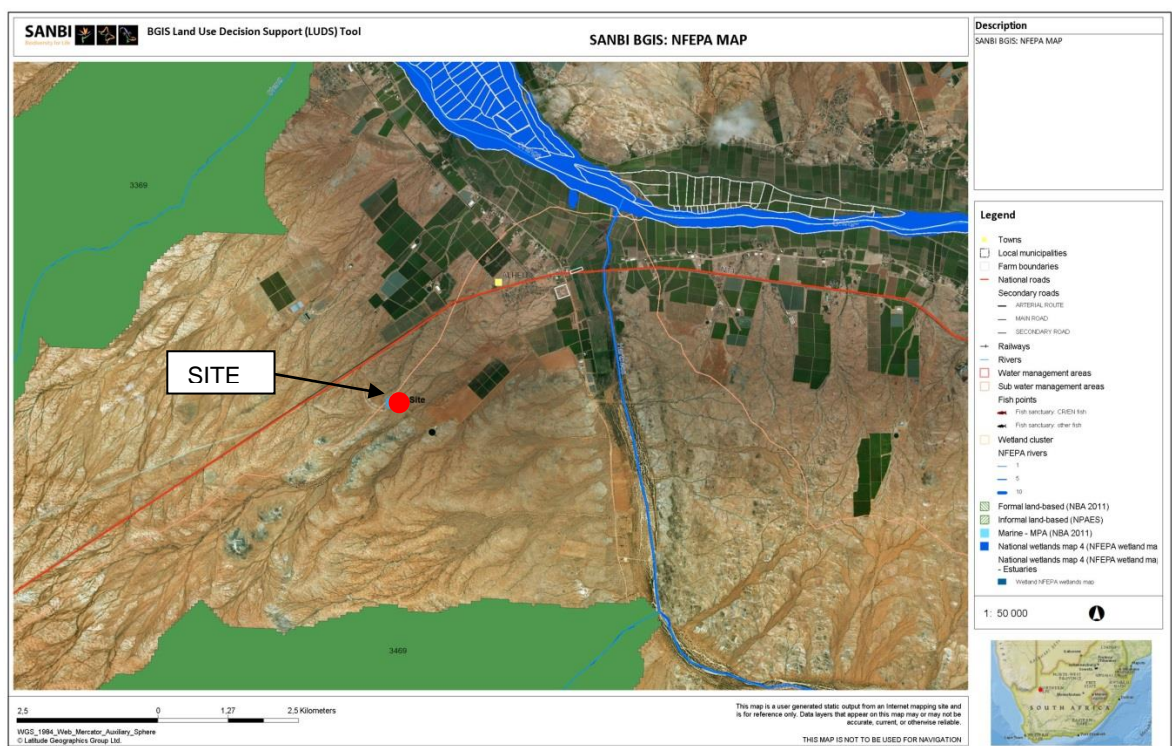


Figure 5: NFEPA (National Freshwater Ecosystem Priority Areas) Map of the proposed site and its surroundings. The site is indicated by the red dot. The proposed development (see Map 2) is located inside partially disturbed Bushmanland Arid Grassland. A farm road and other cleared strips across the site have degraded it significantly. The most sensitive feature in the immediate area is the ephemeral drainage line on the north-western side of site. It is recommended that the development should not encroach onto the drainage line. It should be positioned as far away from it as practically possible.

Being well represented (<1% transformed) and not threatened, the impact on vegetation type per se will be of low significance, with mitigation. About 8400 m² of veld will need to be cleared and the impact will be permanent.

• **LAND USE CHARACTER OF SURROUNDING AREA**

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

Natural area	Dam or reservoir	Polo fields
Low density residential	Hospital/medical centre	Filling station ^H
Medium density residential	School	Landfill or waste treatment site
High density residential	Tertiary education facility	Plantation
Informal residential ^A	Church	Agriculture
Retail commercial & warehousing	Old age home	River, stream or wetland
Light industrial	Sewage treatment plant ^A	Nature conservation area
Medium industrial ^{AN}	Train station or shunting yard ^N	Mountain, koppie or ridge
Heavy industrial ^{AN}	Railway line ^N	Museum
Power station	Major road (4 lanes or more) ^N	Historical building
Office/consulting room	Airport ^N	Protected Area
Military or police base/station/compound	Harbour	Graveyard
Spoil heap or slimes dam ^A	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe)

If any of the boxes marked with an "N" are ticked, how this impact will / be impacted upon by the proposed activity? Specify and explain:

N/A

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

N/A

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

N/A

Does the proposed site (including any alternative sites) fall within any of the following:

Critical Biodiversity Area (as per provincial conservation plan)	YES	NO
Core area of a protected area?	YES	NO
Buffer area of a protected area?	YES	NO
Planned expansion area of an existing protected area?	YES	NO

Existing offset area associated with a previous Environmental Authorisation?	YES	NO
Buffer area of the SKA?	YES	NO

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A. [Please refer to Appendix A.](#)

The proposed site is not located within a Critical Biodiversity Area ("CBA"). However, the entire site and property fall within a terrestrial Ecological Support Area ("ESA"). The site fall in the Bushmanland Arid Grassland vegetation type that covers large areas in the region and its status is "least threatened". Little of this type is transformed.

A large area of the farm has been transformed by agricultural activities. The proposed construction of the packing shed will have medium negative impact on the natural vegetation. The EMPr will be implemented to manage and mitigate the associated negative impacts.

- **CULTURAL/HISTORICAL FEATURES**

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:	YES	NO
	Uncertain	
No. The proposed site for the packing shed is not a sensitive archaeological landscape. Please see Appendix D1: Archaeological Impact Assessment.		

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) to establish whether there is such a feature(s) present on or close to the site. Briefly explain the findings of the specialist:
The proposed site for the packing shed is not a sensitive archaeological landscape. Please see Appendix D1: Archaeological Impact Assessment.

Will any building or structure older than 60 years be affected in any way?	YES	NO
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO
If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.		

See [Appendix D1](#) for the Archaeological Impact Assessment

- **SOCIO-ECONOMIC CHARACTER**

- a) **Local Municipality**

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

According to StatSA 30 949 people are economically active (employed or unemployed but looking for work), and of these, 10% are unemployed.
Of the 19 375 economically active youth (15 – 35 years) in the area, 10% are unemployed.

Economic profile of local municipality:

According to the Kai !Garib Municipality IDP 2014, the agricultural sector is still the main economic

sector who made the biggest contribution (51.8 %) to the economy of Kai !Garib in 2010. The Agriculture sector is also a major employer in the Municipality, providing 66.5% of all formal employment. It is also the sector with the largest potential for economic growth. The commercial farmers farm especially with grapes for export, raisins and wine, while citrus types of fruit are also becoming more prevalent in the area. Construction accounts for 2.5%, Community and Government Services 15.9% and Wholesale and retail trade 11.3%.

Level of education:

According to the Local Government Handbook (www.localgovernment.co.za), 5.6% of the population has no schooling, 20.9% has Matric and 3.6% has higher education.

b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R50 000 000	
What is the expected yearly income that will be generated by or as a result of the activity?	R33 600 000.00	
Will the activity contribute to service infrastructure?	YES	NO
Is the activity a public amenity?	YES	NO
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	36	
What is the expected value of the employment opportunities during the development and construction phase?	R5 088 000.00	
What percentage of this will accrue to previously disadvantaged individuals?	90%	
How many permanent new employment opportunities will be created during the operational phase of the activity?	50	
What is the expected current value of the employment opportunities during the first 10 years?	R34 800 000.00	
What percentage of this will accrue to previously disadvantaged individuals?	95%	

• BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/ EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

a) Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)

Systematic Biodiversity Planning Category	If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
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Critical Biodiversity Area (CBA)	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	The proposed site and property fall within a terrestrial Ecological Support Area (“ESA”). The site fall in the Bushmanland Arid Grassland vegetation type that covers large areas in the region and its status is “ least threatened ”. Little of this type is transformed.

According to the SANBI BGIS website, the proposed site and property fall within a terrestrial Ecological Support Area (“ESA”). The site fall in the Bushmanland Arid Grassland vegetation type that covers large areas in the region and its status is “least threatened”. Little of this type is transformed (See Appendix D2: Biodiversity Assessment).

A large area of the farm has been transformed by agricultural activities. The proposed construction of the packing shed will have medium negative impact on the natural vegetation. The EMPr will be implemented to manage and mitigate the associated negative impacts.

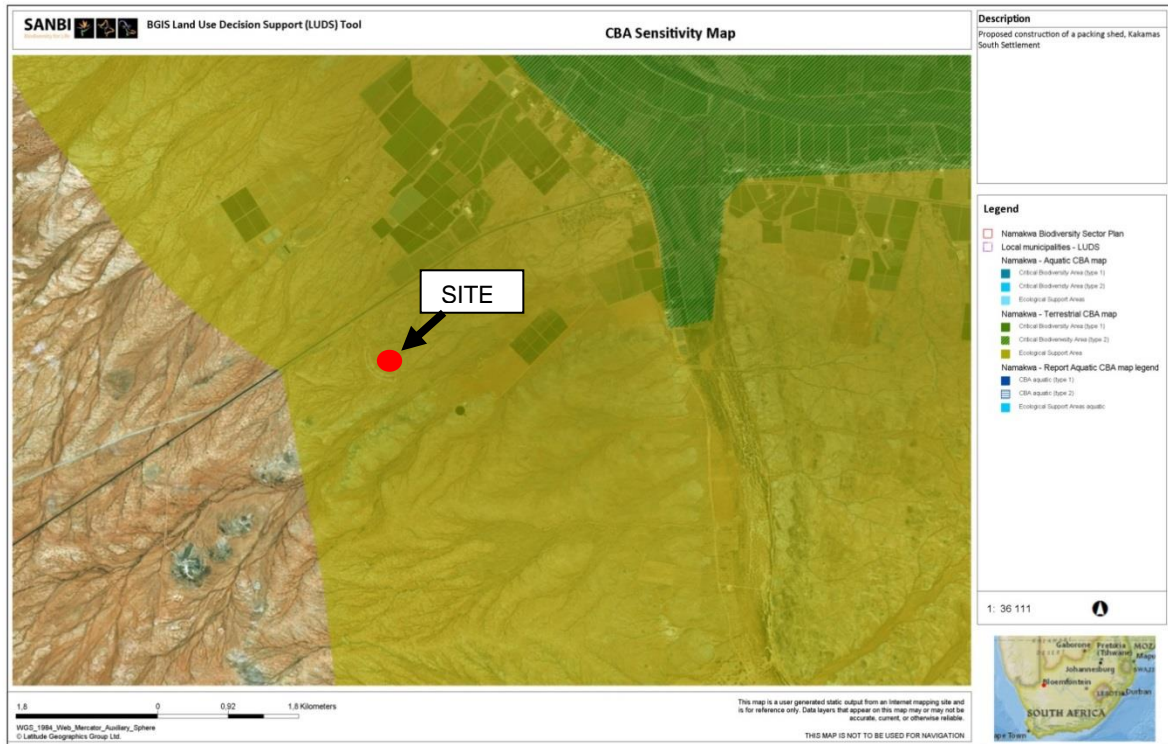


Figure 6: SANBI BGIS image of the CBAs of the proposed site. The site is indicated by the red dot.

b) Indicate and describe the habitat condition on site

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
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Natural	%	
Near Natural (includes areas with low to moderate level of alien invasive plants)	75%	The site fall in the Bushmanland Arid Grassland vegetation type that covers large areas in the region and its status is “least threatened”. Little of this type is transformed. The proposed site partly degraded due to past agricultural activities.
Degraded (includes areas heavily invaded by alien plants)	%	
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	%	

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

Terrestrial Ecosystems		Aquatic Ecosystems								
Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)	Critical	Wetland (including rivers, depressions, channelled and unchanneled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline			
	Endangered									
	Vulnerable									
	Least Threatened	YES	NO	UNSURE	YES	NO	YES	NO		

- d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)**

In accordance with the National Vegetation map 2012 beta2 of South Africa, the site fall the Bushmanland Arid Grassland (Least Threatened) vegetation type (See Appendix D2).

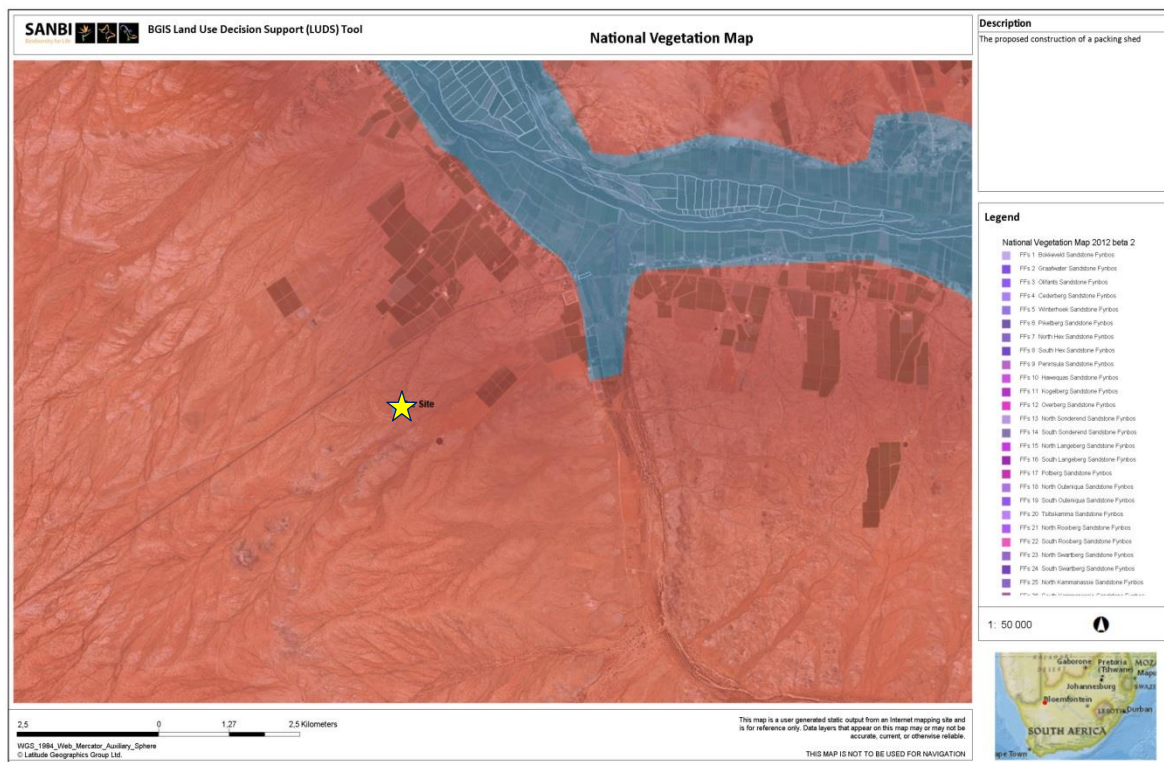


Figure 7: SANBI BGIS map showing the vegetation cover of the area. The site is indicated by the yellow star.

SECTION C: PUBLIC PARTICIPATION

• ADVERTISEMENT AND NOTICE

Publication name	Die Gemsbok	
Date published	25 May 2017	
Site notice position	Latitude	Longitude
	28°46'36.24"S	20°30'41.41"E.
Date placed	25 May 2017	

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

• DETERMINATION OF APPROPRIATE MEASURES

Provide details of the measures taken to include all potential I&APs as required by Regulation 41(2)(e) and 41(6) of GN 733.

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 733

Title, Name and Surname	Affiliation/ key stakeholder status	Contact details (tel number or e-mail address)

Include proof that the key stakeholder received written notification of the proposed activities as Appendix E. This proof may include any of the following:

- e-mail delivery reports;
- registered mail receipts;
- courier waybills;
- signed acknowledgements of receipt; and/or
- or any other proof as agreed upon by the competent authority.

• **ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES**

Summary of main issues raised by I&APs	Summary of response from EAP

• **COMMENTS AND RESPONSE REPORT**

The practitioner must record all comments received from I&APs and respond to each comment before the Draft BAR is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to the Final BAR as Appendix E3.

• **AUTHORITY PARTICIPATION**

Authorities and organs of state identified as key stakeholders:

Authority/Organ of State	Contact person (Title, Name and Surname)	Tel No	Fax No	e-mail	Postal address
Department of Agriculture, Land Reform and Rural Development – Northern Cape	W. Mothibi (HOD)	(053)838 9102			Private Bag X5018, Kimberley, 8300
Department of Agriculture, Forestry and Fisheries – Northern Cape	J. Mans	(054) 338 5909			PO Box 2782, Upington, 8800
Department of Water Affairs- Northern Cape	A. Abrahams	(053) 7731239			Private Bag X6101, Kimberley, 8300
SAHRA	K. Smuts	(021) 462 4502			P.O.Box 4637, Cape Town, 8000
Kai !Garib Local Municipality	JG Lategan	(054) 431 6328			Private Bag X6, Kakamas, 8870

Include proof that the Authorities and Organs of State received written notification of the proposed activities as appendix E4.

In the case of renewable energy projects, Eskom and the SKA Project Office must be included in the list of Organs of State.

• **CONSULTATION WITH OTHER STAKEHOLDERS**

Note that, for any activities (linear or other) where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub-regulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable. Application for any deviation from the regulations relating to the public participation process must be submitted prior to the commencement of the public participation process.

A list of registered I&APs must be included as appendix E5.

Copies of any correspondence and minutes of any meetings held must be included in Appendix E6.

SECTION D: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014 and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

• **IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES**

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A(2) of this report.

Activity	Impact summary	Significance	Proposed mitigation
Alternative 1 (preferred alternative)			
	<p><i>Direct impacts:</i></p> <p>Potential impact on freshwater ecosystems</p>	Insignificant	<ul style="list-style-type: none"> All construction must be done in accordance with an approved construction and operational phase Environmental Management Programme (“EMPr”), which must be developed by a suitably experienced Environmental Assessment Practitioner. Particular importance must be given to emergency preparedness with regards to any spillages or leakage of hydrocarbons

			<p>on site.</p> <ul style="list-style-type: none"> The control of construction waste water, any contaminated water and/or stormwater must be properly controlled, as per the EMPr.
	<p>The loss of cultural or historic aspects during construction</p>	Negligible	<ul style="list-style-type: none"> If any archaeological remains (including but not limited to fossil bones and fossil shells, coins, indigenous and/or colonial ceramics, any articles of value or antiquity, stone artefacts and bone remains, structures and other built features, rock art and rock engravings) are discovered during construction they must immediately be reported to SAHRA and must not be disturbed further until the necessary approval has been obtained from SAHRA. Should any human remains/burial or archaeological material be disturbed, exposed or uncovered during construction, these should immediately be reported to the South African Heritage Resources Agency. The ECO and Engineer are also to be informed.
	<p>Indirect impacts: Temporary jobs will be created in the construction industry during the construction phase.</p>	Low - positive	<p>No mitigation measures are required.</p> <p>Temporary jobs will be created during the construction phase</p>
	<p>Cumulative impacts:</p>		
	<p>Direct impacts: Loss of vegetation</p> <ul style="list-style-type: none"> Direct loss of vegetation type and associated habitat due to construction and operational activities. 	Medium - negative	<ul style="list-style-type: none"> Indiscriminate clearing of areas must be avoided (all remaining areas to remain as natural as possible). If required by the ECO, topsoil (at all excavation sites) must be removed and stored separately for re-use for rehabilitation purposes. The topsoil and vegetation should be replaced over the disturbed soil to provide a source of seed and a seed bed to encourage re-growth of the species removed during construction. Once the construction is completed all further movement must be confined to the access tracks to allow the vegetation to re-establish over the excavated areas. Rehabilitation must be done after construction. All construction must be done in accordance with an approved construction and operational phase Environmental Management

			<p>Programme ("EMPr"), which must be developed by a suitably experienced Environmental Assessment Practitioner.</p> <ul style="list-style-type: none"> • A suitably qualified Environmental Control Officer must be appointed to monitor the construction phase in terms of the EMPr as well as any other conditions which might be required by the Department of Environmental Affairs. • An integrated waste management system must be implemented during the construction phase. • All rubble and rubbish (if applicable) must be collected and removed from the site to a suitable registered waste disposal site. • All alien vegetation should be removed from all associated footprints within the various construction sites
	Indirect impacts:		
	Cumulative impacts:		
Alternative 2			
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
Alternative 3			
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
	Direct impacts:		
	Indirect impacts:		
	Cumulative impacts:		
No-go option			

	Direct impacts: No development of a packing shed	Low - negative	N/A
	Indirect impacts:		
	Cumulative impacts:		

A complete impact assessment in terms of Regulation 19(3) of GN 733 must be included as Appendix F.

• **ENVIRONMENTAL IMPACT STATEMENT**

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

<p>Alternative A (preferred alternative)</p> <p>The following is a summary of the potential impacts, and their ratings after mitigation, and probability of occurrence:</p> <p><u>Construction phase.</u></p> <p>Freshwater ecosystems – Negligible probable</p> <p>Loss of vegetation– Medium negative, definite.</p> <p>Potential impacts on heritage resources – Negligible Possible.</p> <p>Job creation – Low (Positive), definite.</p> <p>Noise impact - Negligible, definite, only during construction phase.</p> <p>Visual impact – Low (negative), definite, during construction.</p> <p><u>Operational Phase</u></p> <p>Geographical and/or physical aspects - No impact expected</p> <p>Freshwater ecosystems – No impact expected</p> <p>Potential impacts on archaeological heritage – No impact expected</p> <p>Socio-economic (additional housing opportunities – Low (Positive), Probable</p> <p>Noise impact - No impact expected</p> <p>Visual impact – Low (negative), probable</p> <p><u>Decommissioning</u></p> <p>The project as proposed does not require ‘decommissioning’ or ‘closure’, as such the potential impacts thereof is considered irrelevant.</p>
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Alternative B
Alternative C
No-go alternative (compulsory)
No development of a packing shed will be undertaken - Low – negative, Probable

SECTION E. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?	YES	NO
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If “NO”, indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment).

N/A

If “YES”, please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application.

Compliance with the EMPr and appointment of an ECO during the construction phase.		
Is an EMPr attached?	YES	NO

The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

NAME OF EAP

SIGNATURE OF EAP

DATE

SECTION F: APPENDIXES

The following appendixes must be attached:

Appendix A: Maps

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports (including terms of reference)

Appendix E: Public Participation

Appendix F: Impact Assessment

Appendix G: Environmental Management Programme (EMPr)

Appendix H: Details of EAP and expertise

Appendix I: Specialist's declaration of interest

Appendix J: Additional Information