

Appendix 4.4: Proposed 200 tph Screening and Scrubbing Plant.





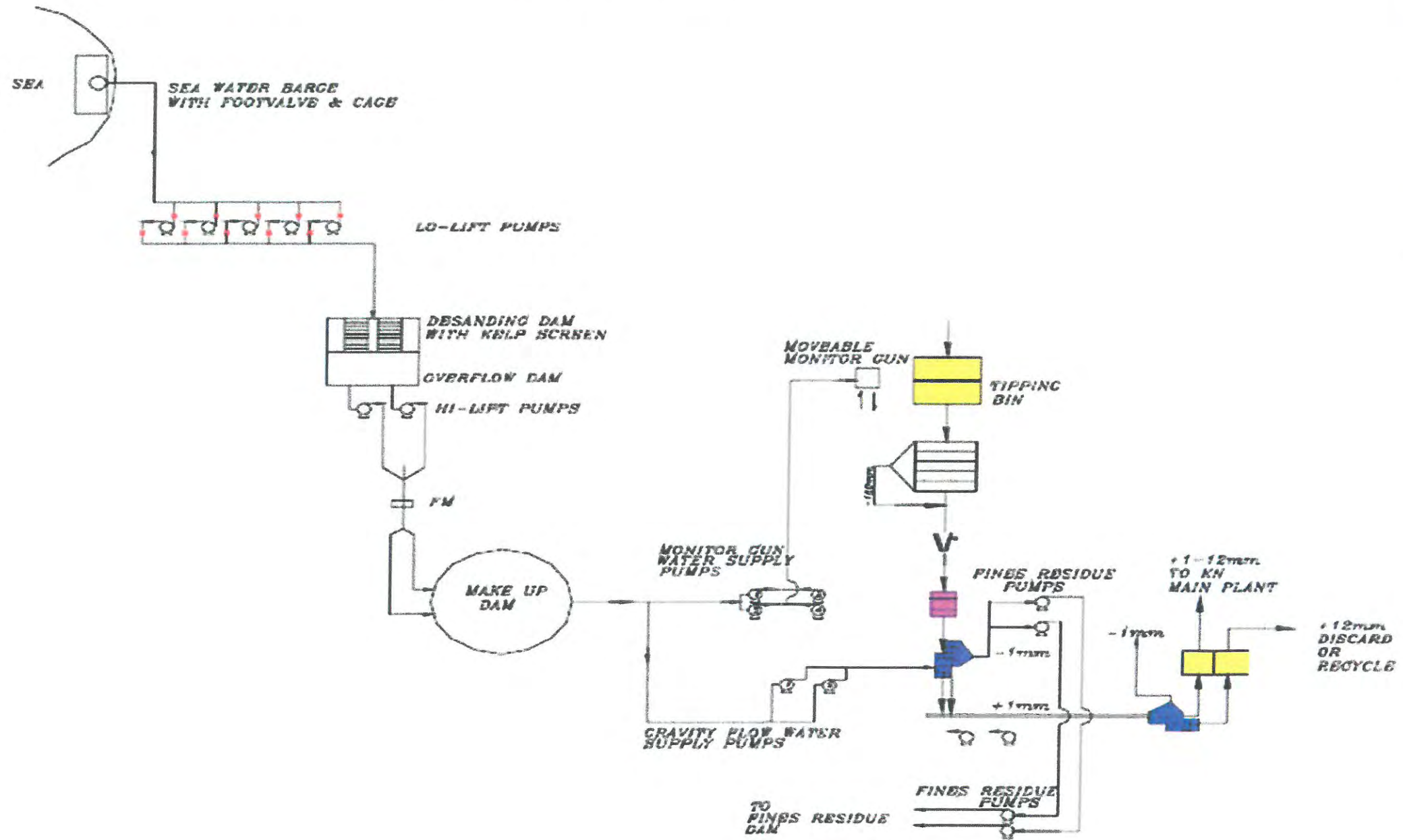


Appendix 4.5: Existing 50 tph Michell's Bay Plant.

Appendix 4.5: Existing 50tph Michell's Bay Plant

**MICHELLS BAY PLANT-50 T.P.H.**

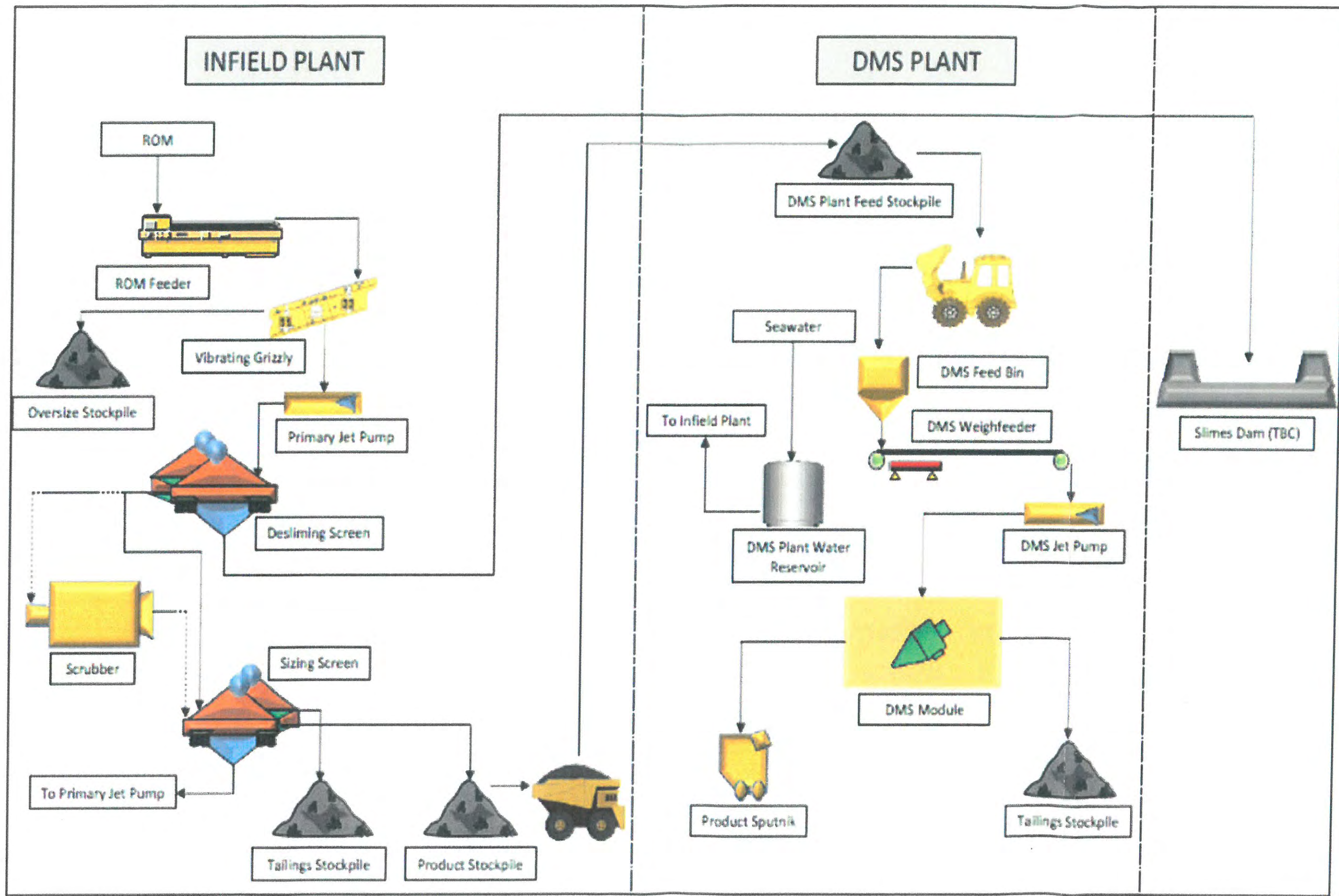
REV 2-NOMENCLATURE CHANGE - SEPT.2001 - CADD REF FILE No. M0300001 REV 2



**LEGEND:**

-  **VIBRATORY SCREENS**
-  **DOUBLE DECK SCREENS**
-  **SCRUBBER**
-  **STATIC CRIZZLES**
-  **BINS**
-  **JAW CRUSHER**







Appendix 4.6: New 10 tph mobile Dense Media Separator (DMS) prospecting plant.



**Appendix 4.6: New 10tph mobile Dense Media Separator (DMS) prospecting plant**





Appendix 5: Potential mine blocks for the areas outlined in the figures below.



**Figure d-5: Illustration of phased rock berm/coffer dam construction and extension along offshore channels Koingnaas Site 6869, Somnaas and Langklip**

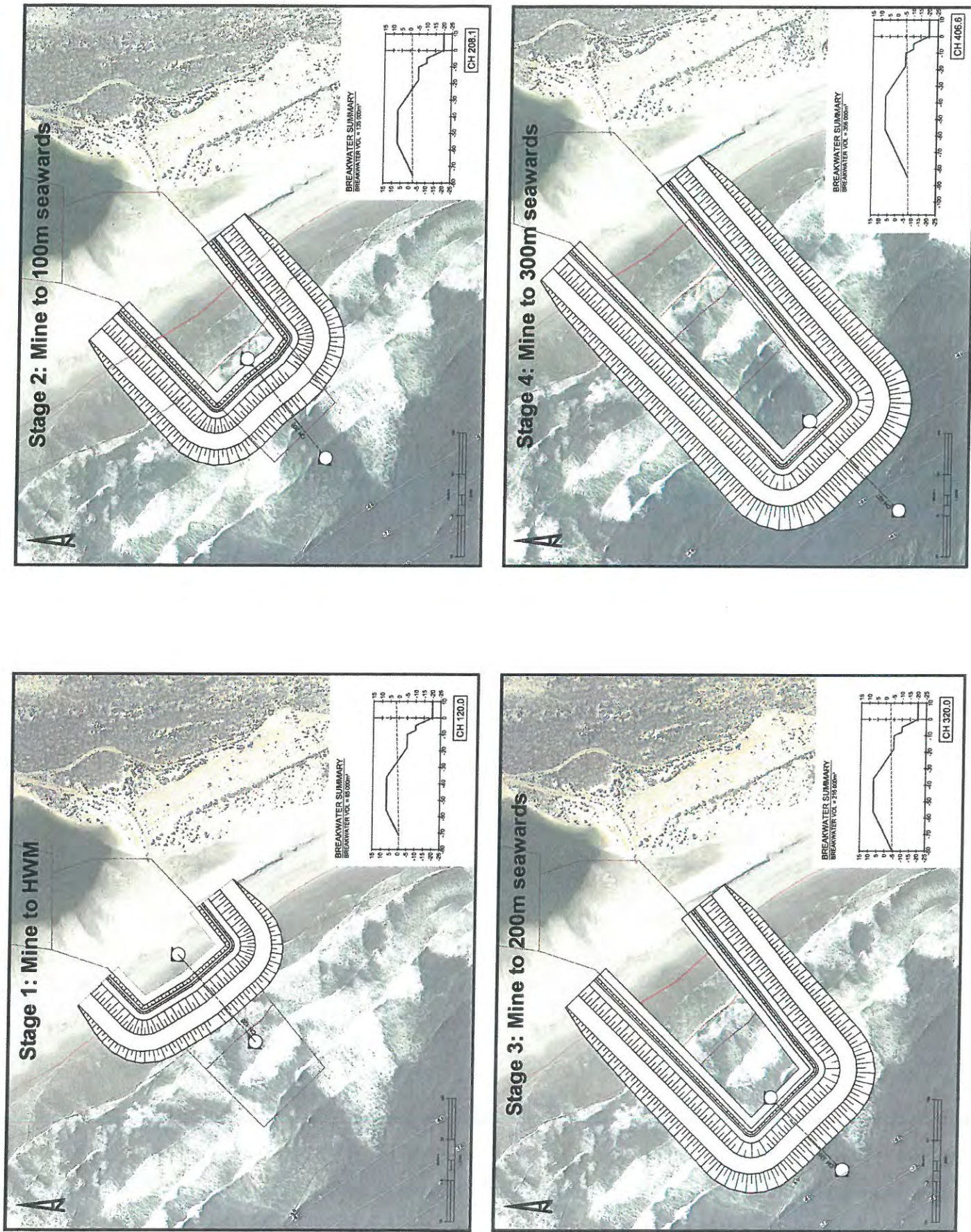




Figure d-6: Illustration of dynamically stable rock berm construction to access offshore

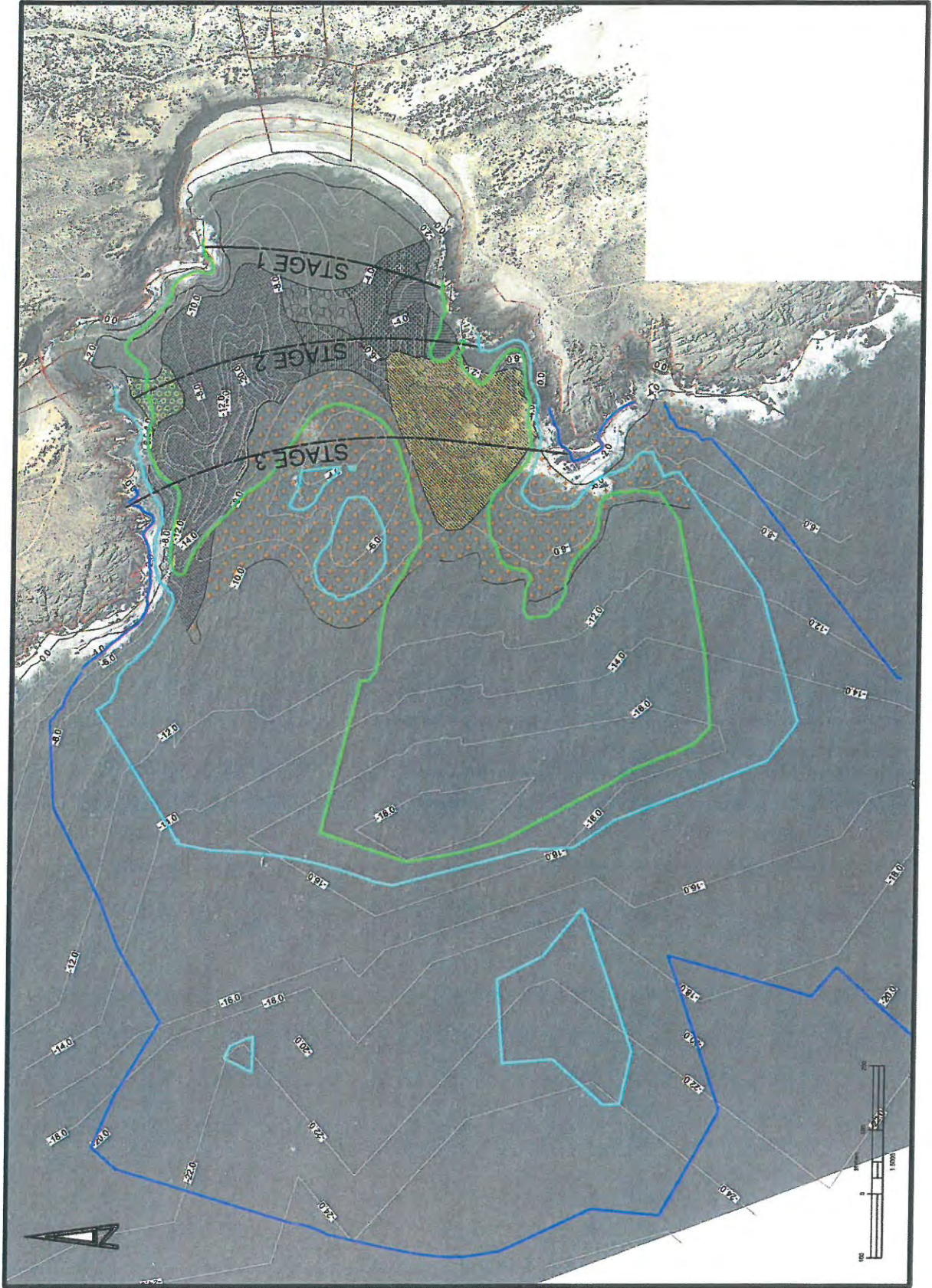




Figure d-7: Illustration of dynamically stable rock berm construction to access offshore

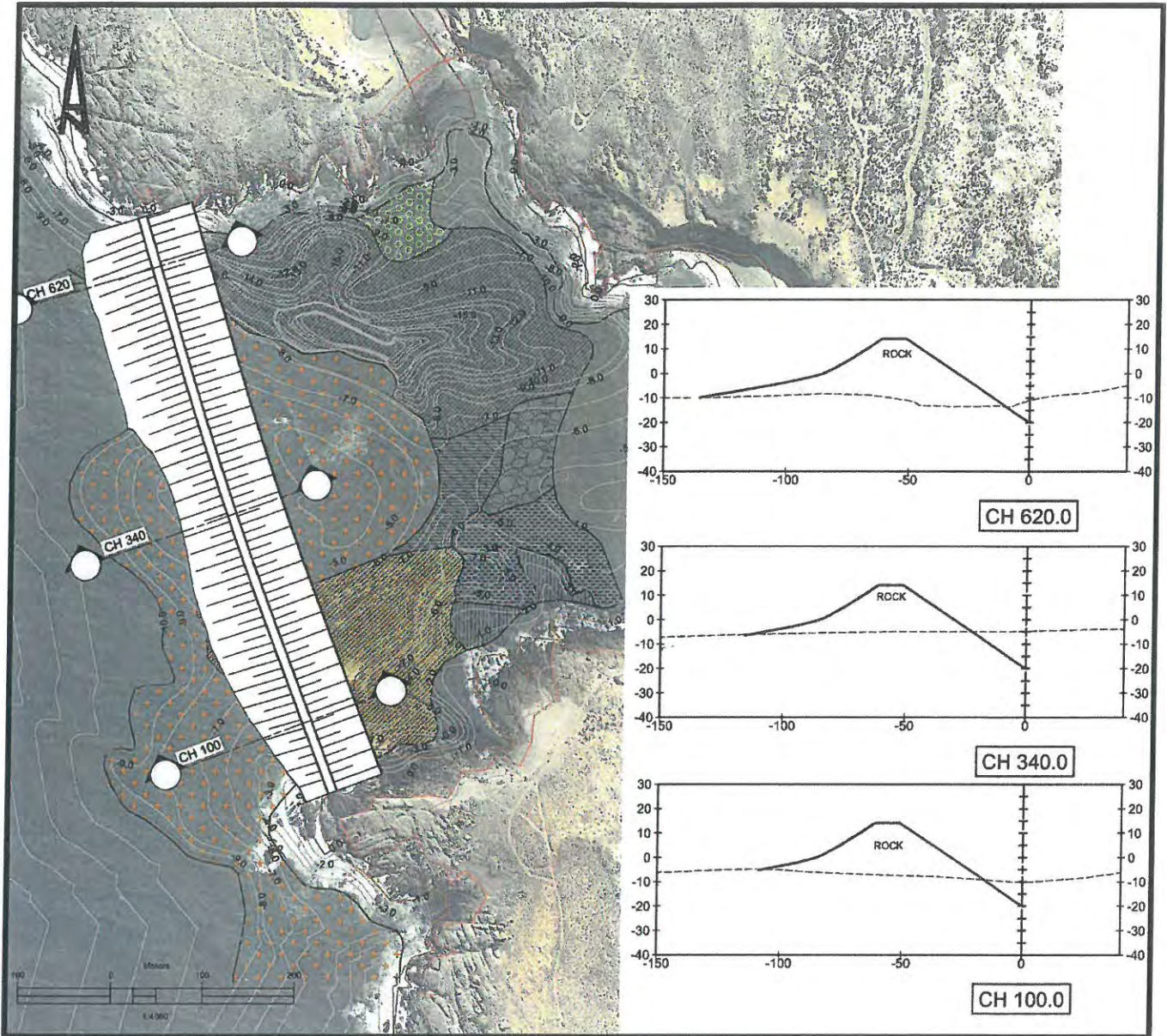




Figure d-8: Layout of generic rock berm designs to be applied on the rocky shoreline

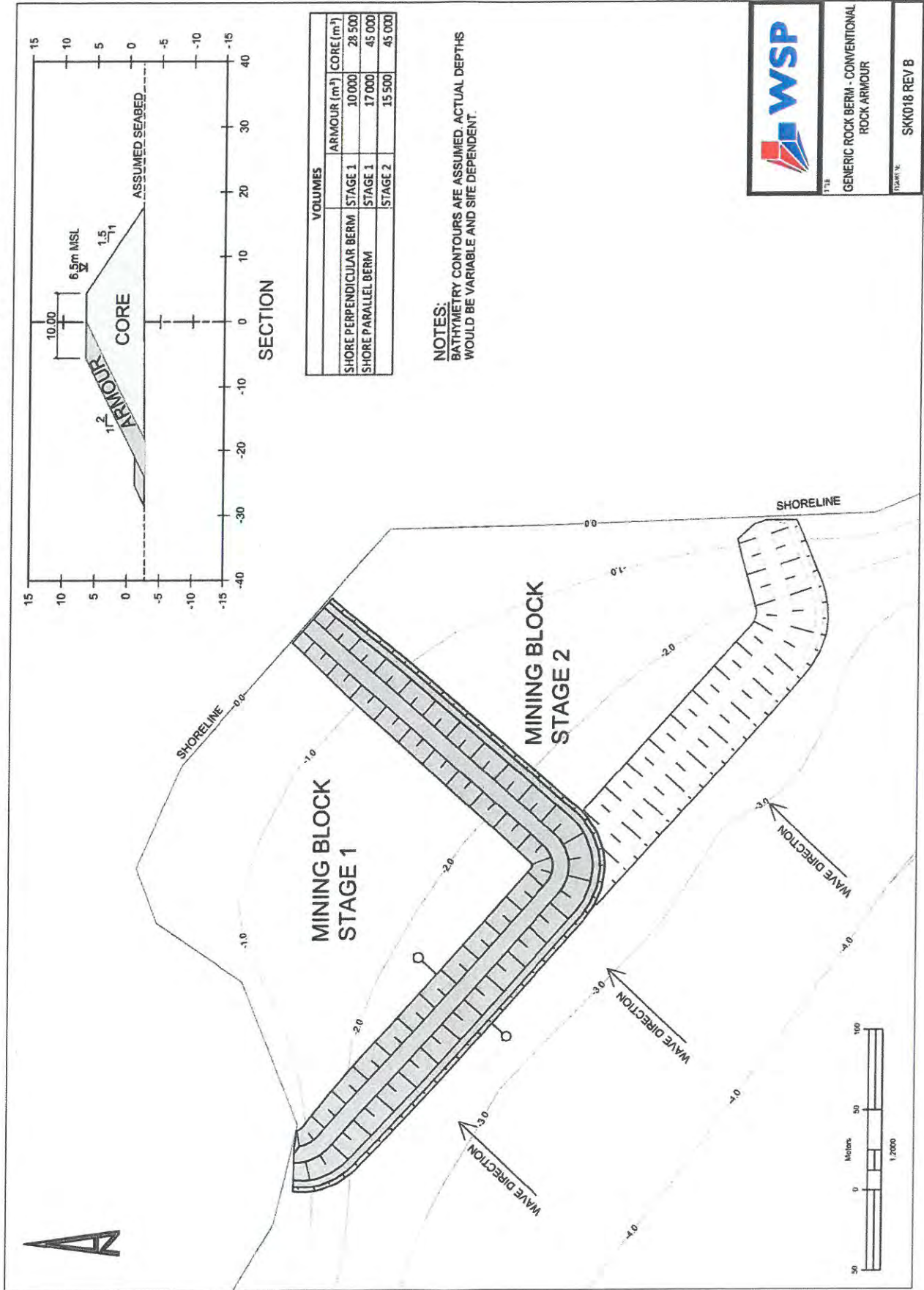




Figure d-9: Layout of generic rock berm designs to be applied on the rocky shoreline

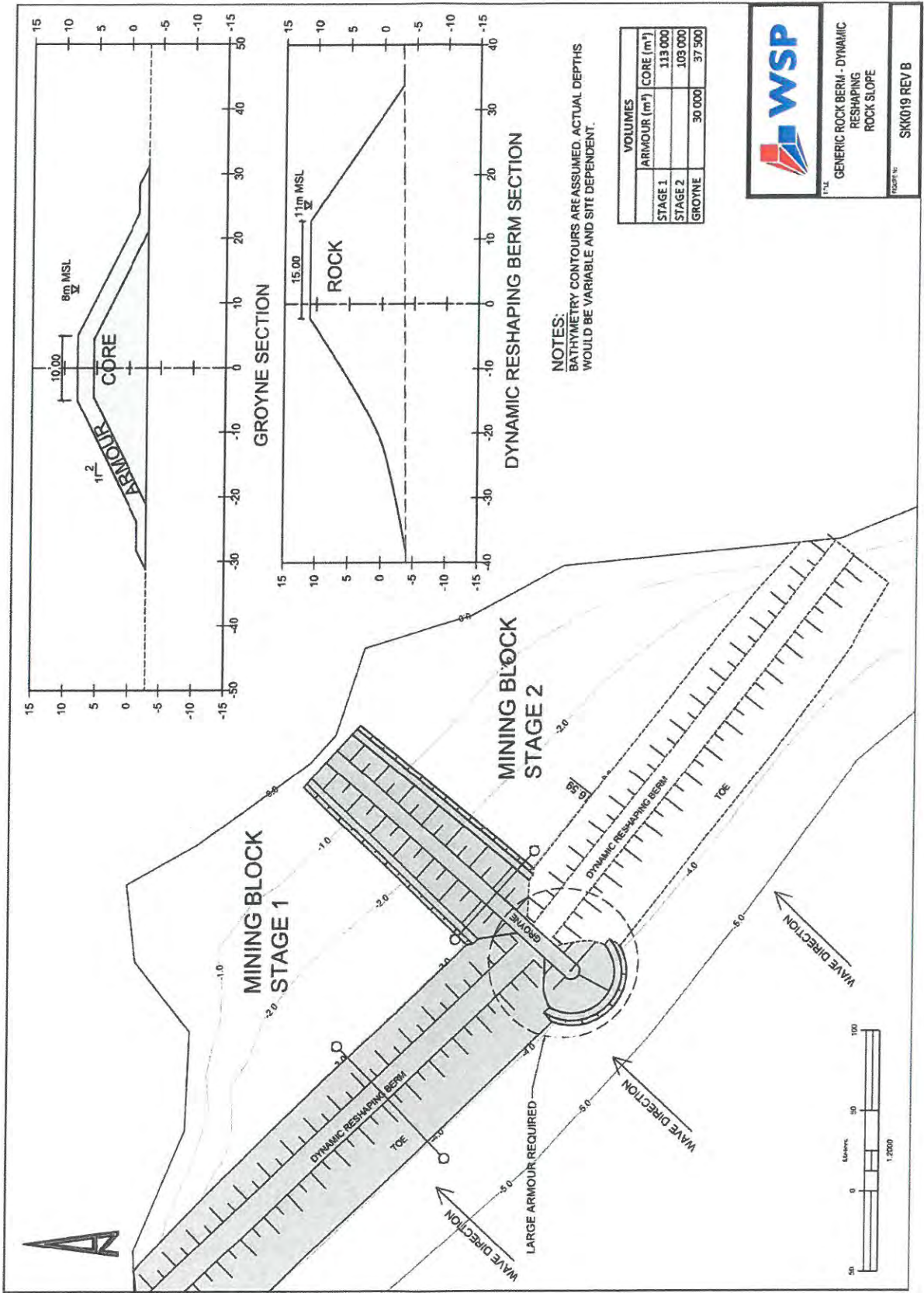




Figure d-11: Scheduled mine block depletion for the Koingnaas Complex



Figure (d)(ii)-10: Scheduled mine block depletion for the Koiningnaas Complex

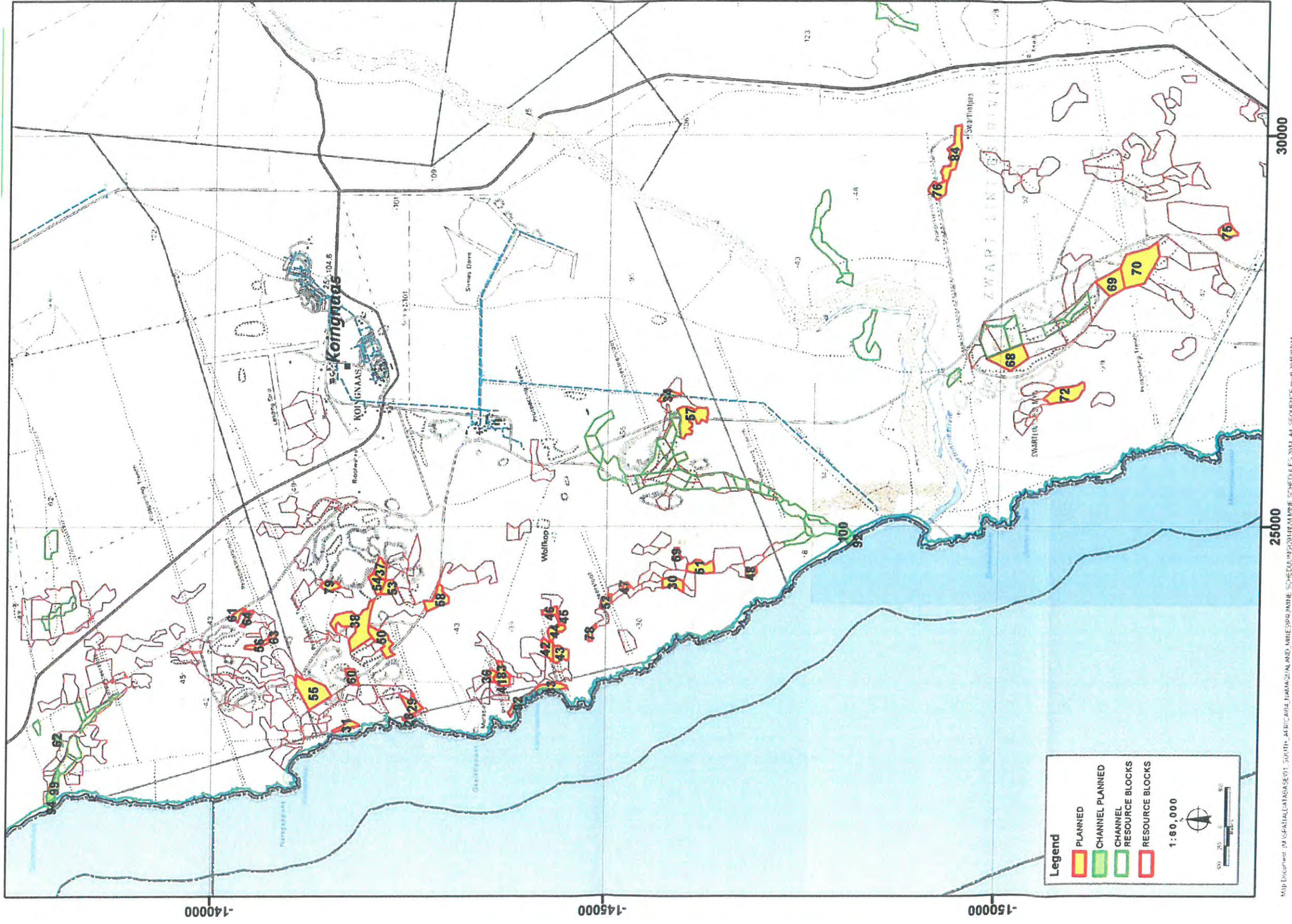
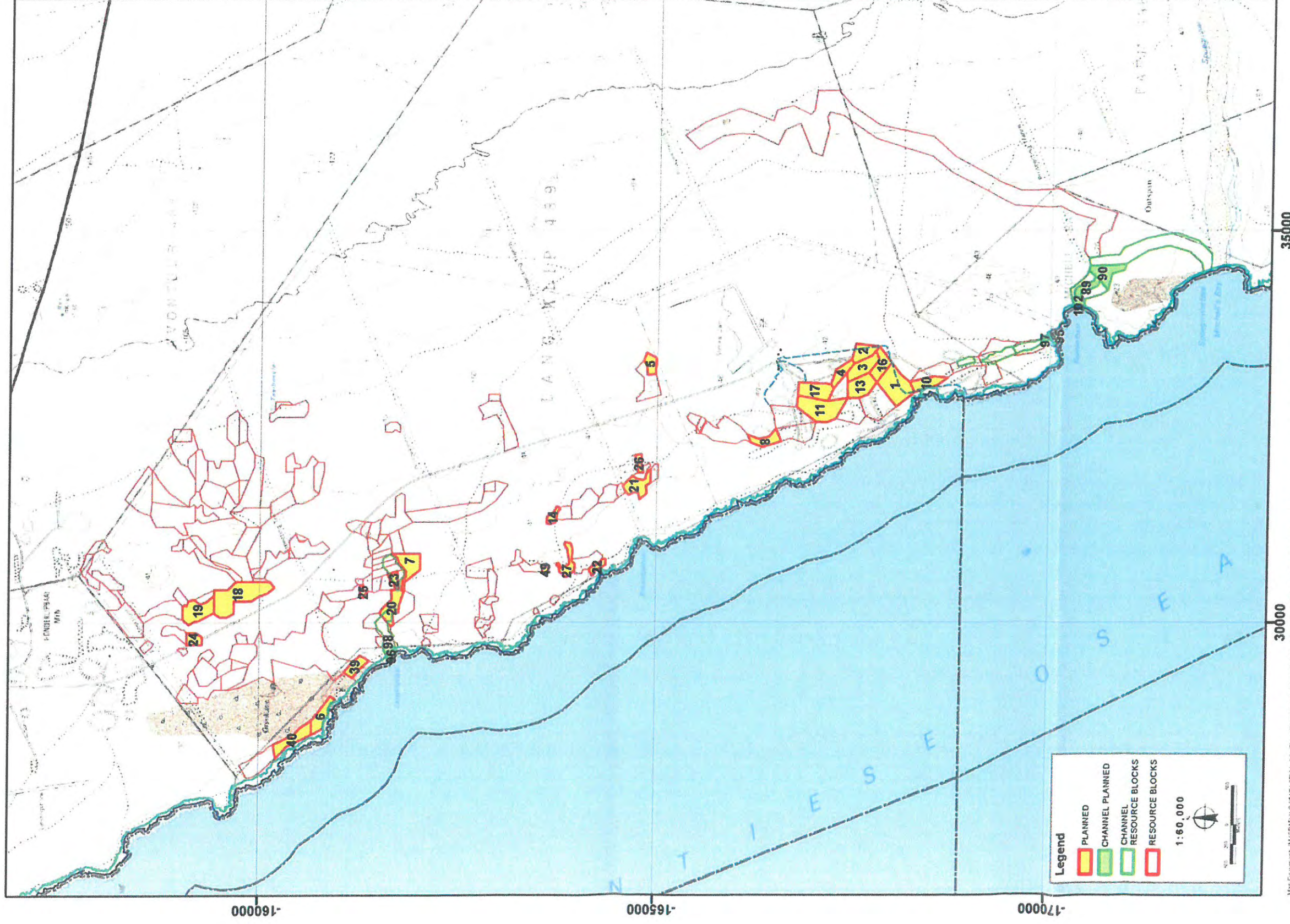




Figure d-12: Scheduled mine block depletion for the Koingnaas Complex – Michell's Bay - Langklip area



**Figure (d)(ii)-11: Scheduled mine block depletion for the Koiingnaas Complex –  
Michell's Bay - Langklip area**



Map Extracted from CAPRI/CATAS/SEV1/SOUTH AFRICA/001/NAV/ACIAL/AND/MINES/PR/MI/E SCHEDULING/2014/MI/MI/REQ/REQ/REQ/2014/02/04



Figure d-13 : Potential mine blocks (coffer dam location) for the NP (Noup) - Beach Zone on Noup







Figure d 14: Potential mine blocks (coffer dam location) for the VB (Visbeen) - Beach Zone on Somnaas and Koingnaas



Figure (d)(ii)-13: Potential mine blocks (coffer dam locations) for the VB (Visbeen) - Beach Zone on Somnaas and Koingnaas.





Figure d-15: Potential mine blocks (coffer dam locations) for the KN (Koingnaas) - Beach Zone in the northern part of Koingnaas



Figure (d)(ii)-14: Potential mine blocks (coffer dam locations) for the KN (Koingnaas) - Beach Zone in the northern part of Koingnaas.

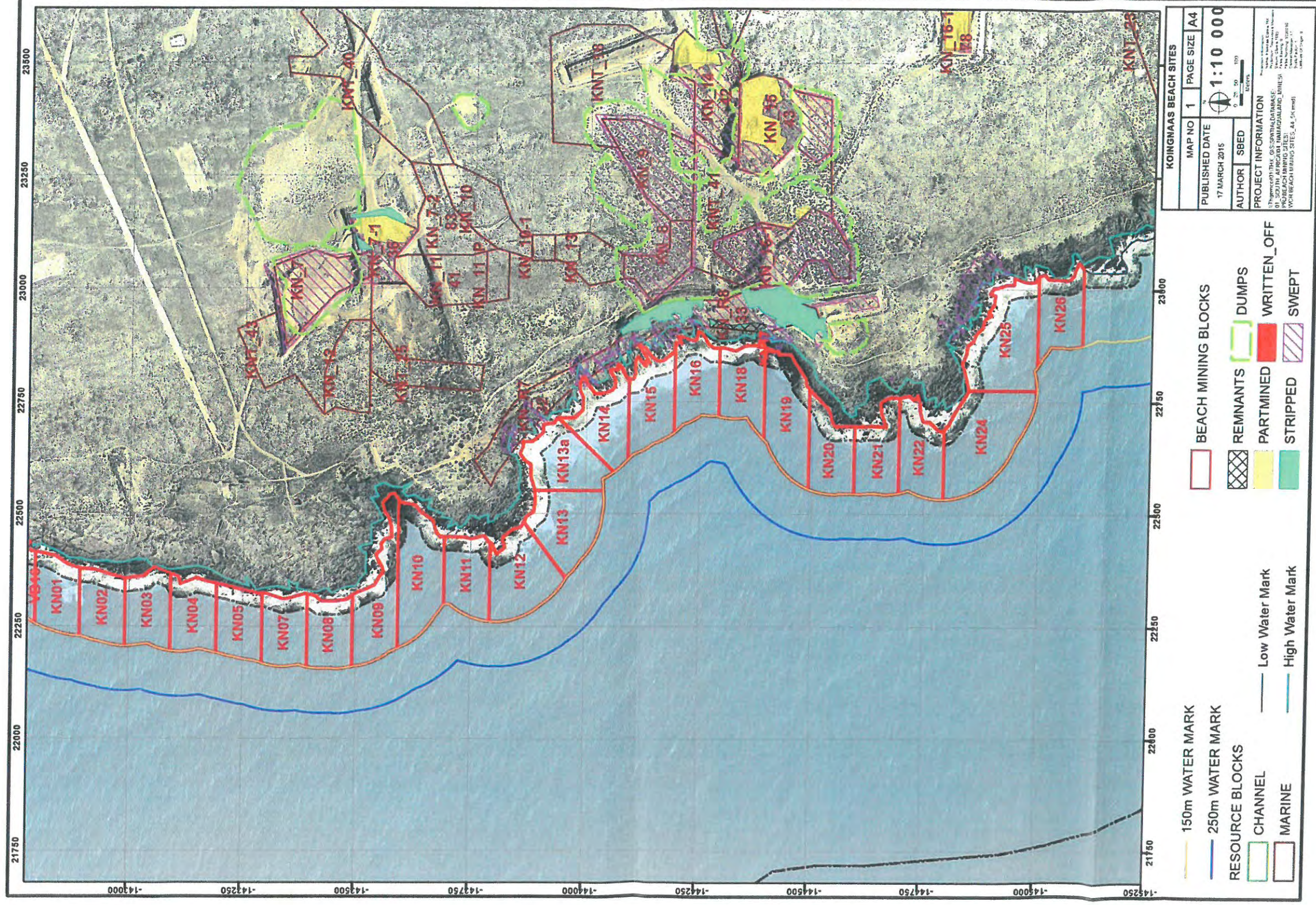








Figure d 17: Potential mine blocks (coffer dam location) for the LKC (Langklip) - Beach in the central part of Langklip



Figure (d)(ii)-16: Potential mine blocks (coffer dam locations) for the LKC (Langklip Central) - Beach Zone in the central part of Langklip.

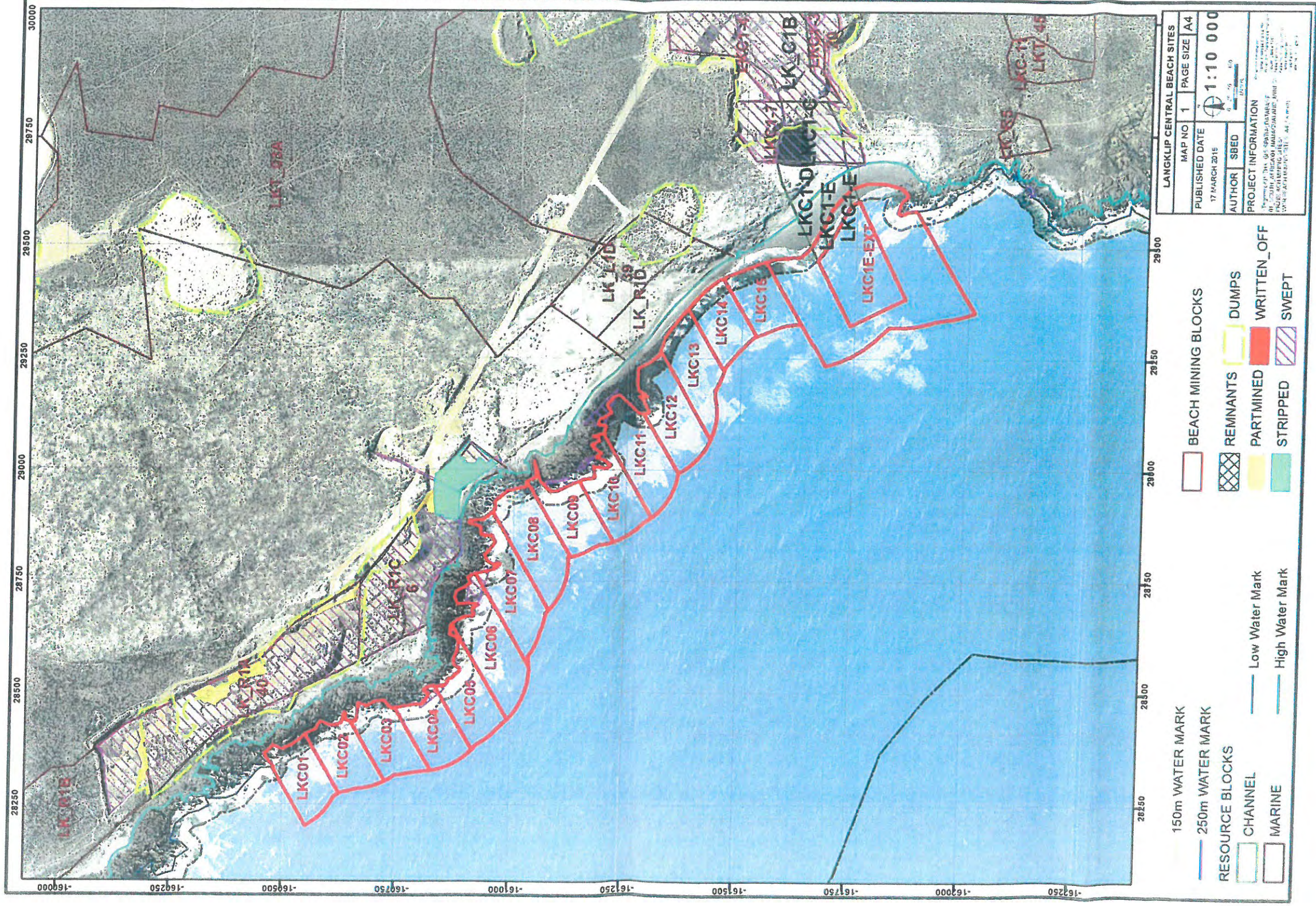




Figure d-18: Potential mine blocks (coffer dam location) for the LK (Langklip) - Beach Zone the southern part of Langklip







Appendix e-1: Applicable legislation



<p>ational Environmental Management Act, Act No.107 of 1998</p>	<p>Environmental Authorisation (Section 24)</p> <p>(1) In order to give effect to the general objectives of integrated environmental management laid down in this Chapter, the potential consequences for or impacts on the environment of listed activities or specified activities must be considered, investigated, assessed and reported on to the competent authority or the Minister of Minerals and Energy, as the case may be, except in respect of those activities that may commence without having to obtain an environmental authorisation in terms of this Act.</p> <p>(2) Every applicant must comply with the requirements prescribed in terms of this Act in relation to-</p> <p>(a) steps to be taken before submitting an application, where applicable;</p> <p>(b) any prescribed report;</p> <p>(c) any procedure relating to public consultation and information gathering; (d) any environmental management programme; (e) the submission of an application for an environmental authorisation and any other relevant information; and</p> <p>(f) the undertaking of any specialist report, where applicable</p> <p>24D. Publication of list (1) The Minister or MEC concerned, as the case may be, must publish in the relevant Gazette a notice containing a list of- (a) activities or areas identified in terms of section 24(2); and (b) competent authorities identified in terms of section 24C. (2) The notice referred to in subsection (1) must specify the date on which the list is to come into effect. [S. 24D inserted by s. 3 of Act 8/2004 and substituted by s. 4 of Act 62/2008]</p>	<p>(h) give effect to section 24 of the Constitution by ensuring that the nation's mineral and petroleum resources are developed in an orderly and ecologically sustainable manner while promoting justifiable social and economic development; and</p> <p>(i) ensure that holders of mining and production rights contribute towards the socio-economic development of the areas in which they are operating.</p>	<p>The objective of this Act are to:</p> <p>(a) provide for co-operative, environmental governance by establishing principles for decision-making on matters affecting the environment, institutions that will promote co-operative governance and procedures for co-ordinating environmental functions exercised by organs of state; and</p> <p>(b) provide for matters connected therewith.</p>	<p>The applicant must ensure that, environmental authorisation is granted before commencement of surf zone, beach and off shore channel mining activities.</p> <p>An application for environmental authorisation has been lodged with DMR.</p>
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<p>National Environmental Management Act, Act No.107 of 1998; Environmental Impact Assessment Regulations, 2014</p>	<p><b>24F. Offences relating to commencement or continuation of listed activity</b></p> <p>(1) Notwithstanding any other Act, no person may- (a) commence an activity listed or specified in terms of section 24(2)(a) or (b) unless the competent authority or the Minister of Minerals and Energy, as the case may be, has granted an environmental authorisation for the activity; or (b) commence and continue an activity listed in terms of section 24(2)(d) unless it is done in terms of an applicable norm or standard. [Subs. (1) substituted by s. 5 of Act 62/2008]</p> <p>(2) It is an offence for any person to fail to comply with or to contravene- (a) subsection (1)(a); (b) subsection (1)(b); (c) the conditions applicable to any environmental authorisation granted for a listed activity or specified activity; (d) any condition applicable to an exemption granted in terms of section 24M; or (e) an approved environmental management programme. [Subs. (2) substituted by s. 5 of Act 62/2008]</p>	<p>The purpose of these Regulations is to:</p> <p>(a) Regulate the procedure and criteria as contemplated in Chapter 5 of the Act relating to the preparation, evaluation, submission, processing and consideration of, and decision on, applications for environmental authorisations for the commencement of activities, subjected to environmental impact assessment, in order to avoid or mitigate detrimental impacts on the environment, and to optimise positive environmental impacts, and for matters pertaining thereto</p>	<p>The applicant has been reminded that they cannot commence with surf zone, beach and off shore channel mining activities before the issuing of the environmental authorisation.</p>	<p>This has been applied in the consideration of mitigation measures, as indicated in Section h (viii) and (i)(ix).</p>
<p>National Environmental Management Act, Act No.107 of 1998; Environmental Impact Assessment Regulations, 2014</p>	<p>Applicable listed activities including the following: Listing Notice 1 GNR 544; Activity No.17, Activity No. 19, Activity No. 24 , Activity No. 56 , Activity No. 9, Activity No. 10, Activity No. 45 , Activity No. 46, Activity No. 27 , Activity No. 22, Activity No. 13 Listing Notice 2 GNR 545 ; Activity No. 14, Activity No. 17, Activity No. 21, Activity No. 26, Activity No. 16, Listing Notice 3 GNR 546; Activity No. 4a</p>	<p>The purpose of these Regulations is to:</p> <p>(a) Regulate the procedure and criteria as contemplated in Chapter 5 of the Act relating to the preparation, evaluation, submission, processing and consideration of, and decision on, applications for environmental authorisations for the commencement of activities, subjected to environmental impact assessment, in order to avoid or mitigate detrimental impacts on the environment, and to optimise positive environmental impacts, and for matters pertaining thereto</p>	<p>Environmental authorisation must be granted before commencement of surf zone, beach and off shore channel mining activities.</p>	<p>An application for environmental authorisation has been lodged with DMR. The applicable listed activities are discussed in Section d(i) of the Scoping Report.</p>
<p>National Environmental Management Laws Amendment Act, Act No.107 of 1998</p>	<p>Amendment of Section 1 of NEMA, Amendment of Section 1 of MPRDA, Amendment of Section 1 of NEM:WA. The amendments relate to the following:<b>Section 1(a)</b>: substitution for the definition of applicant; <b>Section 1(f)</b>: insertion of the definition of financial provision Amendment of Section 24 of Act 107 of 1998, as substituted by Section 2 of Act 8 of 2004,Section 2 of Act 62 of 2008 and Section 5 of Act 30 of 2013.The amendments relate to the following:<b>Section 2(a)(vi)</b>: the management and control of residue stockpiles and deposits, <b>Section 2 (b)</b> procedure to be followed for the preparation, evaluation, adoption and review of prescribed environmental management instruments.</p>	<p>The objective of this Act are:</p> <p>(a) To amend the—</p> <ul style="list-style-type: none"> <li>National Environmental Management Act, 1998, so as to amend certain definitions and to define certain words and expressions;</li> <li>To provide for the review of environmental management instruments;</li> <li>To provide for minimum information requirements to be included under environmental management instruments;</li> </ul>	<p>Environmental authorisation must be granted before commencement of surf zone, beach and off shore channel mining activities.</p>	<p>An application for environmental authorisation has been lodged with DMR.</p>



• To provide for the Minister responsible for mineral resources to be the competent authority for environmental matters in so far as they relate to prospecting, exploration, mining or production of mineral and petroleum resources;

• To empower the Minister to take an environmental decision in so far as it relates to prospecting, exploration, mining or production instead of the Minister responsible for mineral resources under certain circumstances;

• To clarify the provisions relating to integrated environmental authorisations;

• To provide for the management of residue stockpiles and residue deposits;

• To strengthen the financial provisions in the Act; to provide for consultation with State Departments;

• To empower the Director-General of the Department responsible for mineral resources to issue section 28 directives in so far as they relate to prospecting, exploration, mining or production;

• To empower the Minister responsible for mineral resources to designate environmental mineral resource inspectors within the Department responsible for mineral resources for compliance monitoring and enforcement of provisions in so far as they relate to prospecting, exploration, mining or production;

• To provide the Minister with the power to direct environmental management inspectors to perform compliance monitoring and enforcement duties instead of mineral resource inspectors under certain circumstances;

• To empower the provincial head of department to delegate a function entrusted to him or her under this Act;

• To provide for the suspension of a decision on receipt of an appeal; to provide for appeals against directives;

• To further provide for the power of the Minister to make regulations;



# West Coast Resources

## REGISTER: APPLICABLE LEGISLATION

Title: Myezo-QMS-Register-Applicable  
Issue Date: 10 March 2016

Rev Date: 10 March 2017

Rev: 1

Status: Final

Document No: Myezo/QMS/Reg/0030-

Myezo Ref. No: WKSCE 2015/03/LR

MR Ref. No: NC0043-MR/102 and NC0044-MR/102

Appendix e-1: Applicable Legislation

Applicable legislation/ guidelines	Applicable Sections of the legislation to the project	Objective of the legislation/guideline	Applicability of the legislation/guideline to the project	Reference where applied
Mineral and Petroleum Resources Development Amendment Act, Act No. 28 of 2008 (MPRDAA)	<b>Environmental Authorisation (Section 18)</b>  (a) Any person who wishes to apply to the Minister for a mining right must simultaneously apply for an environmental authorisation and must lodge the application	The objectives of this Act are to—  (a) To amend the Mineral and Petroleum Development Act 2002, so as to make the Minister the responsible authority for implementing environmental matters in terms of the National Environmental Management Act, 1998, and specific environmental legislation as it relates to prospecting, mining, exploring, production and related activities or activities incidental thereto on a prospecting, mining, exploration, or production area.	The applicant must lodge an application for a mining right in accordance to Section 18(a) of the MPRDAA before commencing with any mining activities	An application for environmental authorisation has been lodged with DMR.
		(b) To align the MPRDAA with NEMA in order to provide for one environmental management system;  (c) To remove ambiguities in certain definitions;  (d) To add functions to the Regional Mining Development and Environmental Committee;		
		(e) To amend the transitional arrangements so as to further afford statutory protection to certain existing old order rights; (f) To provide for matters connected therewith.		
	<b>Information and data in respect of mining or processing of minerals (Section 24)</b> (a) The holder of a mining right or mining permit must, at the registered office or place of business of such holder, keep proper records of mining activities and proper financial records in connection with the mining activities.			This has been applied in the consideration of mitigation measures, as indicated in Section h (viii) and (i)(ix).
<b>Environmental Authorisation (Section 32)</b>  38A. (1) The Minister is the responsible authority for implementing			The applicant must ensure that, before commencement of the surf zone, beach and off shore channel mining activities, all information and data in respect of mining or processing of minerals are kept.  The applicant must ensure that, environmental authorisation is granted before commencement of surf zone, beach and off shore channel mining activities.	An application for environmental authorisation has been lodged with DMR.



	<p>environmental provisions in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) as it relates to prospecting, mining, exploration, production or activities incidental thereto on a prospecting, mining, exploration or production area.</p>			
	<p>(2) An environmental authorisation issued by the Minister shall be a condition prior to the issuing of a permit or the granting of a right in terms of this Act.</p> <p><b>Approved environmental management programmes and environmental management plans</b></p> <p><b>38B.</b> (1) An environmental management plan or environmental programme approved in terms of this Act before and at the time of the coming into effect of the National Environmental Management Act, 1998, shall be deemed to have been approved and an environmental authorization been issued in terms of the National Environmental Management Act, 1998.</p> <p>(2) Notwithstanding subsection (1), the Minister may direct the holder of a right, permit or any old order right, if he or she is of the opinion that the prospecting, mining, exploration and production operations is likely to result in unacceptable pollution, ecological degradation or damage to the environment, to take any action to upgrade the environmental management plan or environmental management programme to address the deficiencies in the plan or programme.</p> <p>(3) The Minister must issue an environmental authorisation if he or she is satisfied that the deficiencies in the environmental management plan or environmental management programme in subsection</p>			
	<p>(2) have been addressed and that the requirements in Chapter 5 of the National Environmental Management Act, 1998, have been met.”.</p>			
	<p><b>Amendment of Section 43 of Act 28 of 2002- Applicability of Social and Labour Plan</b></p> <p>(a)“(1) The holder of a prospecting right, mining right, retention permit, [or] mining permit, or previous holder of an old order right or previous</p>			



	<p>owner of works that has ceased to exist, remains responsible for any environmental liability, pollution, [or] ecological degradation, the pumping and treatment of extraneous water, compliance to the conditions of the environmental authorisation and the management and sustainable closure thereof, until the Minister has issued [an] a closure certificate in terms of this Act to the holder or owner concerned."</p>			
	<p>(a)“(2) On the written application in the prescribed manner by the holder of a prospecting right, mining right, retention permit, mining permit or previous holder of an old order right or previous owner of works that has ceased to exist, the Minister may transfer such environmental liabilities and responsibilities as may be identified in the environmental management report and any prescribed closure plan to a person with such qualifications as may be prescribed.”</p>			
<p>Mineral and Petroleum Resources Development Act No. 28 of 2002.</p>	<p><b>Financial provision for remediation of environmental damage (Section 41)</b>  (1) An applicant for a prospecting right, mining right or mining permit must, before the Minister approves the environmental management plan or environmental management programme in terms of Section 39(4), make the prescribed financial provision for the rehabilitation or management of negative environmental impacts.</p>	<p>The objectives of this Act are to—</p> <p>(a) recognize the internationally accepted right of the State to exercise sovereignty over all the mineral and petroleum resources within South Africa;</p> <p>(b) give effect to the principle of the State’s custodianship of the nation’s mineral and petroleum resources;</p> <p>(c) promote equitable access to the nation’s mineral and petroleum resources to all the people of South Africa;</p> <p>(d) substantially and meaningfully expand opportunities for historically disadvantaged persons, including women, to enter the mineral and petroleum industries and to benefit from the exploitation of the nation’s mineral and petroleum resources;</p> <p>(e) promote economic growth and mineral and petroleum resources development in the Republic;</p> <p>(f) promote employment and advance the social and economic welfare of all South Africans;</p> <p>(g) provide for security of tenure in respect of prospecting, exploration, mining and production operations;</p>	<p>Financial provision must be made for possible environmental damage before commencement of surf zone, beach and off shore channel mining activities.</p>	<p>Financial provision has been calculated and is indicated in the Quantum Report, which is included in the Environmental Impact Assessment Report.</p>



<p>National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) List of Waste Management Activities: Govt Notice No. 921 of 29 Nov 2013 as amended by Government Notice No. R332 of 2 May 2014 and also amended by Govt. Notice No. R633 of 24 July 2015</p>	<p>Applicable listed activities including the following: <b>Category A:</b> Activity No. 2, Activity No. 10, Activity No. 12, Activity No. 15, <b>Category B:</b> Activity No. 7, Activity No. 8, Activity No. 10, Activity No. 11,</p>	<ul style="list-style-type: none"> <li>To provide for consultation in the event that an Act of Parliament or regulations are amended that impact on the Agreement; to provide for the criteria for condonation applications in the case of appeals that relates to prospecting, exploration, mining or production;</li> </ul> <p>(b) National Environmental Management: Waste Act, 2008, so as to insert certain definitions to;</p> <ul style="list-style-type: none"> <li>empower the Minister to prohibit or restrict waste management activities in specified geographical areas;</li> <li>empower the Minister responsible for mineral resources to be the licensing authority to issue waste management</li> </ul>	<p>Environmental authorisation must be granted in terms of the Waste Management Act, 2008 before commencement of mining, processing and/or waste disposal activities regarded as triggered listed activities.</p>	<p>An application for environmental authorisation has been lodged with DMR. The applicable listed activities are included in Section d (i) of the Scoping Report.</p>
<p>National Environmental Management: Waste Amendment Act, Act No. 26 of 2014</p>	<p><b>Section 18</b> which is the insertion of Schedule 3 in Act 59 of 2008. Schedule 3 relates to the definition, categorisation and description of waste into Category A: hazardous waste and Category B: general waste. Schedule 3 also includes the insertion of mine residue deposits and residue stockpiles as hazardous waste.</p>	<p>The objectives of this Act are:</p> <p>(a) To reform the law regulating waste management in order to protect health and the environment by providing reasonable measures for the prevention of pollution and ecological degradation and for securing ecologically sustainable development;</p> <p>(b) To provide for institutional arrangements and planning matters;</p> <p>(c) To provide for national norms and standards for regulating the management of waste by all spheres of government;</p> <p>(d) To provide for specific waste management measures;</p> <p>(e) (e) To provide for the licensing and control of waste management activities;</p> <p>(f) To provide for the remediation of contaminated land;</p> <p>(g) To provide for the national waste information system; to provide for compliance and enforcement; and</p> <p>(h) To provide for matters connected therewith.</p> <p>The objectives of this Act are to:</p> <p>(a) To amend the National Environmental Management: Waste Act, 2008, so as to substitute and delete certain definitions; to exclude the department from the spheres of government that are required to compile integrated waste management plans;</p> <p>(b) To require the MEC responsible for waste management to act in concurrence with the Minister when requesting certain persons to compile and submit industry waste management plans;</p> <p>(c) To provide for the exclusion of the provincial department responsible for waste management from the requirement to compile an industry waste management plan;</p> <p>(d) To establish a pricing strategy; to provide for the content and application of the pricing strategy; to establish the Waste Management Bureau;</p>	<p>Inclusion of the establishment and/or reclamation of residue stockpiles and/or deposits as triggered listed activities requiring environmental authorisation.</p>	<p>An application for environmental authorisation has been lodged with DMR. The applicable listed activities are included in Section d (i) of the Scoping Report.</p>



<p>itional Environmental Management: aste Act,2008 (Act No.59 of 2008); rms and Standards for Storage of aste, 2013; Standards for Scrapping Recovery of Motor Vehicles, 2013</p>	<p>Applicability of the following activities which will be undertaken: <b>Category C 1:</b></p> <p>The storage of general waste at a facility that has the capacity to store in excess of 100m<sup>3</sup> of general waste at any one time, excluding the storage of waste in lagoons or temporary storage of such waste.</p> <p><b>Category C 2:</b></p> <p>The storage of hazardous waste at a facility that has the capacity to store in excess of 80 m<sup>3</sup> of hazardous waste at any one time, excluding the storage of hazardous waste in lagoons or temporary storage of such waste.</p> <p><b>Category C 3:</b></p> <p>The storage of waste tyres in a storage area exceeding 500m<sup>2</sup>.</p> <p><b>Category C 4:</b></p> <p>The scrapping or recovery of motor vehicles at a facility that has an operational area in excess of 500m<sup>2</sup>.</p> <p>The following sections are also considered applicable: <b>Section 5 (1):</b> A new waste storage facility must be registered with the competent authority within 90 (ninety) days prior to the construction taking place. <b>Section 6 (1):</b> In locating waste storage facility consideration must be given to the public health and environmental protection. The location of the waste storage facility must also take into consideration the requirements in respect of existing servitudes.</p> <p><b>Section 6(2):</b> A new hazardous waste storage facility must be located within an industrial demarcated zone. A storage facility that is not located within the industrial demarcated zone must have a buffer zone of at least 100m, unless there is a prescribed buffer zone by the relevant municipality.</p>	<p>(e) To provide for the determination of policy and the Minister's oversight in relation to the Waste Management Bureau; to provide for the determination of policy and the Minister's oversight in relation to the Waste Management Bureau;</p> <p>(f) to provide for the objects, functions, funding, financial management, reporting and auditing, immovable property of the Waste Management Bureau;</p> <p>(g) To provide for the employees of the Waste Management Bureau; to provide for the appointment and the functions of the Chief Executive Officer of the Waste Management Bureau;</p> <p>(h) To prescribe certain matters in relation to the Waste Management Bureau;</p> <p>(i) To provide for transitional provisions in respect of existing industry waste management plans and to provide for matters connected therewith.</p>	<p>The purpose of these norms and standards is to:</p> <p>(a) Provide a uniform national approach relating to the management of waste storage facilities;</p> <p>(b) Ensure best practice in the management of waste storage facilities;</p> <p>(c) Provide minimum standards for the design and operation of new and existing waste storage facilities</p>	<p>The norms and standards should be adhered to, to ensure best practice in the management of waste is maintained.</p>	
		<p>The norms and standards for storage of waste have been included in the compilation of mitigation measures in Section h (viii) and (i) (ix).</p>			



<p>National Environmental Management: Biodiversity Act (Alien and Invasive species Regulations, 2014)</p> <p>National Environmental Management: Biodiversity Act (Publication of national list of invasive alien species)</p> <p>National Environmental Management: Biodiversity Act (Publication of prohibited alien species)</p> <p>National Environmental Management: Integrated Coastal Management Act, Act No. 24 of 2008</p>	<p><b>Section 67:</b> Restricted activities involving certain alien species totally prohibited</p> <p><b>Section 69:</b> Duty of care relating to alien species</p> <p><b>Section 71:</b> Restricted activities involving listed invasive species</p> <p><b>Section 73:</b> Duty of care relating to listed invasive species</p> <p><b>Section 2, Section 3, Section 4 and Section 5:</b> Categories of listed activities</p> <p><b>Section 6:</b> Restricted activities</p> <p><b>Section 8:</b> Invasive Species Monitoring, Control and Eradication Plans</p> <p>Entire publication</p> <p>Entire publication</p> <p><b>Section 16:</b> Composition of coastal protection zone</p> <p><b>Section 17:</b> Purpose of coastal protection zone</p> <p><b>Section 25:</b> Establishment of coastal setback lines</p> <p><b>Section 34:</b> Estuarine management plans</p> <p><b>Section 58:</b> Duty to avoid causing adverse effects on coastal environment</p> <p><b>Section 60:</b> Repair or removal of structures within coastal zone</p> <p><b>Section 63:</b> Environmental authorisations for coastal activities</p> <p><b>Section 65:</b> Award of leases and concessions on coastal public property</p> <p><b>Section 66:</b> Terms of coastal leases and coastal concessions</p> <p><b>Section 69:</b> Discharge of effluent into coastal waters</p> <p><b>Section 79:</b> Offences</p> <p><b>Section 80:</b> Penalties</p> <p><b>Section 11:</b> Amendment of Section 15 of Act 24 of 2008 with regards to construction, maintenance or extension of any structures on coastal public property</p> <p><b>Section 12:</b> Amendment of Section 16 of Act 24 of 2008 with regards to composition of coastal protection zone</p> <p><b>Section 13:</b> Amendment of Section 17 of Act 24 of 2008 with regards to purpose of coastal protection zone</p>	<p>(e) the establishment and functions of a South African National Biodiversity Institute.</p> <p>The objectives of these Regulations are:</p> <p>To provide for the management and conservation of South Africa's biodiversity, protected species and ecosystems</p> <p>The objectives of these publications is:</p> <p>To give effect to the National Environmental Management: Biodiversity Act (Act No. 10 of 2004) in particular Section 65 and 70</p> <p>The objectives of the Act are:</p> <p>(a) To establish a system of integrated coastal and estuarine management in the Republic, including norms, standards and policies, in order to promote the conservation of the coastal environment, and maintain the natural attributes of coastal landscapes and seascapes, and to ensure that development and the use of natural resources within the coastal zone is socially and economically justifiable and ecologically sustainable;</p> <p>(b) To define rights and duties in relation to coastal areas;</p> <p>(c) To determine the responsibilities of organs of state in relation to coastal areas;</p> <p>(d) To prohibit incineration at sea;</p> <p>(e) To control dumping at sea, pollution in the coastal zone, inappropriate development of the coastal environment and other adverse effects on the coastal environment;</p> <p>(f) To give effect to South Africa's international obligations in relation to coastal matters.</p> <p>The objectives of this Act are:</p> <p>(a) To amend the National Environmental Management: Integrated Coastal Management Act, 2008, so as to amend certain definitions;</p>	<p>Environmental authorisation must be granted before commencement of surf zone, beach and off shore channel mining activities. All other provisions of the Act must be adhered to.</p> <p>An application for environmental authorisation has been lodged with DMR. The applicable listed activities are included in Section d (i) of the Scoping Report. The provisions of the Act have also been used in the compilation of mitigation measures in Section h (viii) and (i)(ix).</p>
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<p>Northern Cape Nature Conservation Act, Act No. 9 of 2009</p>	<p><b>Section 18:</b> Amendment of Section 25 of Act 24 of 2008 with regards to establishment of Establishment of coastal [set-back] management lines</p> <p><b>Section 23:</b> Amendment of Section 34 of Act 24 of 2008 with regards to estuarine management plans</p> <p><b>Section 31:</b> Amendment of Section 60 of Act 24 of 2008 with regards to repair or removal of structures within coastal zone</p> <p><b>Section 33:</b> Amendment of Section 63 of Act 24 of 2008 with regards to environmental authorisations for coastal activities</p> <p><b>Section 36:</b> Amendment of Section 65 of Act 24 of 2008 with regards to Award of leases and concessions on coastal public property</p> <p><b>Section 37:</b> Amendment of Section 66 of Act 24 of 2008 with regards to terms of coastal leases and coastal concessions</p> <p><b>Section 40:</b> Amendment of Section 69 of Act 24 of 2008 with regards to discharge of effluent into coastal waters</p> <p><b>Section 44:</b> Amendment of Section 79 of Act 24 of 2008 with regards to offences</p> <p><b>Section 45:</b> Amendment of Section 79 of Act 24 of 2008 with regards to penalties</p>	<p>(b) To clarify coastal public property and the ownership of structures erected on and in coastal public property;</p> <p>(c) To remove the power to exclude areas from coastal public property;</p> <p>(d) To clarify and expand the provisions on reclamation;</p> <p>(e) To clarify definitions and terminology;</p> <p>(f) To simplify the administration of coastal access fee approvals;</p> <p>(g) To simplify and amend powers relating to coastal authorisations;</p> <p>(h) To replace coastal leases and concessions with coastal use permits;</p> <p>(i) to extend the powers of MECs to issue coastal protection notices and coastal access notices;</p> <p>(j) To limit the renewal of dumping permits;</p> <p>(k) To simplify the composition and functions of the National Coastal Committee;</p> <p>(l) To clarify the powers of delegation by MECs;</p> <p>(m) To revise offences and increase penalties;</p> <p>(n) To improve coastal authorisation processes; to provide for exemptions;</p> <p>(o) To provide for transitional matters;</p> <p>(p) To effect certain textual alterations.</p>	<p>As the proposed project is within the jurisdiction of Northern Cape, the provisions of the Act should be adhered to, as they are specific to sustainable utilization of wild animals, aquatic biota and plants within the Northern Cape Province.</p>	<p>The provisions of the Act have been used in the compilation of mitigation measures in Section h (viii) and (i) (ix).</p>
	<p><b>Section 3:</b> Restrict activities involving specially protected animals</p> <p><b>Section 4:</b> Restrict activities involving protected animals</p> <p><b>Section 5:</b> Hunting of protected animals</p> <p><b>Section 12:</b> Hunting, receipt, possession, acquisition or handling of a wild animal</p> <p><b>Section 17:</b> Keeping of wild animals in captivity</p>	<p>The objectives of the Act are:</p> <p>(a) To provide for the sustainable utilization of wild animals, aquatic biota and plants;</p> <p>(b) To provide for the implementation of the Convention on International Trade of Endangered Species (CITES) of Wild Fauna and Flora;</p> <p>(c) To provide for offences and penalties for contravention of the Act;</p>		



<p>ational Environmental Management : ir Quality Act (Act No. 39 of 004);National Ambient Air Quality standards,2009</p>	<p><b>Section 2:</b>General matters including reference methods and ambient air quality measurement requirements</p> <p><b>Section 3:</b> Applicable National Ambient Air Quality Standards</p>	<p>To empower the MEC or Minister to take a decision in the place of the licensing authority under certain circumstances;</p> <p>To provide for the Minister as licensing authorities in situations where the province, as a delegated licensing authority by the municipality, is the applicant for an atmospheric emission licence, where the applications are trans-boundary, where the air activity forms part of national priority project, where the activity is also related to the environmental impact and waste management activities authorised by the Minister, where the air activity relates to a prospecting, mining, exploration or production activity;</p> <p>To delete cross references to the Environmental Conservation Act, 1989;</p> <p>To clarify that applications must be brought to the attention of interested and affected parties soon after the submission to the licensing authority;</p> <p>To provide for a validity period of provisional atmospheric emission licence;</p> <p>To create an offence for non- compliance with controlled fuels standards;</p> <p>To provide for the development of regulations on climate change matters and the procedure and criteria for administrative fines;</p> <p>To delete certain obsolete provisions; and to provide for matters connected therewith.</p>	<p>The objectives of these standards is to:</p> <p>List substances or mixtures of substances in ambient air which through ambient concentrations, bioaccumulation, deposition or in any other way, present a threat to health, well-being or the environment or which the Minister reasonably believes present such a threat, including the permissible amount or concentration of each such substance or mixture of substances in ambient air</p>	<p>Analysis of concentrations of sulphur dioxide, nitrogen dioxide, particulate matter (PM10), ozone, benzene, lead and carbon monoxide</p>	
<p>ational Environmental Management : ir Quality Act (Act No. 39 of 2004); ational Dust Control Regulations, 2013</p>	<p>All the sections included in the Regulation</p>	<p>The objectives of these Regulations is:</p> <p>To prescribe general measures for the control of dust</p>	<p>Identification of listed threatened or protected species and restricted activities involving listed threatened or protected species, and measures to be implemented by the applicant including duty of care.</p>	<p>The provisions of the Act and Regulations have been used in the compilation of mitigation measures in Section h (viii) and (i) (ix).</p>	
<p>ational Environmental Management : iodiversity Act (Act No. 10 of 2004)</p>	<p><b>Section 43:</b> Biodiversity management plans</p> <p><b>Section 45:</b> Contents of biodiversity management plans</p> <p><b>Section 52:</b> Ecosystems that are threatened or in need of protection</p> <p><b>Section 57:</b> Restricted activities involving listed threatened or protected species</p> <p><b>Section 65:</b> Restricted activities involving alien species</p>	<p>The objectives of this Act are:</p> <p>(a) To provide for the management and conservation of South Africa's biodiversity within the framework of the National Environmental Management Act, 1998; (b) the protection of species and ecosystems that warrant national protection; (c) the sustainable use of indigenous biological resources; (d) the fair and equitable sharing of benefits arising from bio-prospecting involving indigenous biological resources;</p>	<p>The objectives of this Act are:</p> <p>(a) To provide for the management and conservation of South Africa's biodiversity within the framework of the National Environmental Management Act, 1998; (b) the protection of species and ecosystems that warrant national protection; (c) the sustainable use of indigenous biological resources; (d) the fair and equitable sharing of benefits arising from bio-prospecting involving indigenous biological resources;</p>	<p>The provisions of the Act and Regulations have been used in the compilation of mitigation measures in Section h (viii) and (i) (ix).</p>	



<p>National Development Plan: Operation Phakisa</p>	<p><b>Section 22:</b> Prohibitions regarding carcasses of wild animals</p> <p><b>Section 26:</b> Prohibitions regarding wild animals</p> <p><b>Section 30:</b> Prohibited acts relating to damage causing animals</p> <p><b>Section 32:</b> Restricted activities involving specially protected fish</p> <p><b>Section 33:</b> Restricted activities involving protected fish</p> <p><b>Section 34:</b> Catching of protected fish</p> <p><b>Section 46:</b> Obstruction of free passage of fish in aquatic systems</p> <p><b>Section 47:</b> Pollution of aquatic systems</p> <p><b>Section 49:</b> Restricted activities involving specially protected plants</p> <p><b>Section 50:</b> Restricted activities involving protected plants</p> <p><b>Section 51:</b> Picking, receipt, possession, acquisition or handling of indigenous plants</p> <p><b>Section 55:</b> Invasive species</p> <p><b>Section 56:</b> Prohibited acts regarding CITES species</p> <p><b>Section 61:</b> Applications for permits and other documents</p> <p><b>Section 66:</b> Offences</p> <p><b>Section 67:</b> Penalties</p> <p><b>Schedule 1:</b> Specially protected species</p> <p><b>Schedule 2:</b> Protected species</p> <p><b>Schedule 3:</b> Common indigenous species</p> <p><b>Schedule 4:</b> Damagae causing animal species</p> <p><b>Schedule 5:</b> Pet species</p> <p><b>Schedule 6:</b> Invasive species</p>	<p>(d) To provide for the appointment of nature conservators to implement the provisions of the Act;</p> <p>(e) To provide for the issuing of permits and other authorisations.</p>		
	<p>Ocean Economy: Marine Protection Services and Governance</p>	<p>The objectives of this movement are to:</p> <p>(a) Achieve significant government and economic transformation within a short period of time;</p> <p>(b) Address national key priority areas such as poverty, crime and unemployment;</p> <p>(c) Set clear plans and targets, on-going monitoring of progress and making results from the monitoring public;</p>	<p>The proposed project of surf zone, beach and offshore channel mining activities therefore implements in principle the objectives and goals of Operation Phakisa which include the sustainable exploitation of the oceans for resources which will in turn aid in alleviating poverty, generation of economic opportunities, creation of jobs, as well as further curb corruption and crime through the protection of the ocean environment from illegal activities. It is estimated that more than 500 employment opportunities will be created from the proposed project.</p>	<p>Section f of the Scoping Report which relates to need and desirability of the proposed activities. The linkage between the positive socio-economic impacts of the proposed project and the National Development Plan's objectives has also been included in Section v of the Scoping Report which relates to impacts identified.</p>



<p>Environmental Management Framework and Strategic Environmental Management Plan for Makwa District Municipality, 2011</p>	<p><b>Section 5.1:</b> Environmental management planning considerations</p> <p><b>Section 5.2:</b> Visions for the environment</p> <p><b>Section 6.3:</b> Environmental Management Zones</p> <p><b>Section 6.4:</b> Management of environmental management zones</p>	<p>The objectives of the Framework and Strategic Plan are:</p> <ul style="list-style-type: none"> <li>(a) To develop an Environmental Management Framework (EMF) and a Strategic Environmental Management Plan (SEMP) to facilitate decision-making which will ensure sustainable management of the natural resources;</li> <li>(b) To provide strategic guidance on both environmental, economic and social issues in the EMF area;</li> <li>(c) To identify environmentally sensitive areas;</li> <li>(d) To identify the environmental and development opportunities and constraints;</li> <li>(e) To assess the economic and environmental potential of the area;</li> <li>(f) To provide a decision support system in respect of environmental issues and priorities in the EMF area;</li> <li>(g) To formulate a strategy that will incorporate issues such as land use, planning and sensitive environmental resources; and</li> <li>(h) To include existing policies as frameworks for establishing values, guidelines and standards for future developments.</li> </ul>	<p>The Framework and Strategic Plan is specific to the Namakwa District where the proposed project will be undertaken therefore the provisions should be adhered to as they are specific to the area.</p>	<p>The provisions of the Framework and Strategic Plan have been used in the compilation of mitigation measures in Section h (viii) and (i) (ix).</p>
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# West Coast Resources



## MYEZO ENVIRONMENTAL MANAGEMENT SERVICES

*Environmental Stewardship*

WEST COAST RESOURCES-KOINGNAAS AND SAMSONS BAK COMPLEXES-ENVIRONMENTAL  
IMPACT ASSESSMENT

PRELIMINARY SOCIO-ECONOMIC INVESTIGATION FOR THE AMENDMENT OF AN ENVIRONMENTAL  
MANAGEMENT PROGRAMME AND ENVIRONMENTAL IMPACT ASSESSMENT FOR THE  
ENVIRONMENTAL AUTHORISATION APPLICATION IN SUPPORT OF A MINING RIGHT HELD BY  
WEST COAST RESOURCES (PTY) LTD OVER THE KOINGNAAS AND SAMSONS BAK COMPLEXES

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**mineral resources**

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**WEST COAST RESOURCES-KOINGNAAS AND SAMSONS BAK COMPLEXES-  
ENVIRONMENTAL IMPACT ASSESSMENT**

**PRELIMINARY SOCIO-ECONOMIC INVESTIGATION FOR THE AMENDMENT OF AN  
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**WEST COAST RESOURCES-KOINGNAAS AND SAMSONS BAK COMPLEXES-  
ENVIRONMENTAL IMPACT ASSESSMENT**

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