

Scoping Report.

REQUEST FOR SECRETARY'S ENVIRONMENTAL
ASSESSMENT REQUIREMENTS

ATTACHMENT 09 DPIE SCOPING WORKSHEET

OCTOBER 2019

ZONE PLANNING GROUP

GOLD COAST

1638 TWEED STREET, BURLEIGH HEADS QLD 4220
PO BOX 3805, BURLEIGH TOWN QLD 4220

GLADSTONE

2/172 GOONDOON ST, GLADSTONE, QLD 4680
PO BOX 5332, GLADSTONE QLD 4680 | PH 07 4972 3831

ADMIN@ZONEPLANNING.COM.AU

Environmental Impact Statement (EIS) scoping worksheet for:			Hanson Tweed Sand Plant Expansion Phase 5 onward							Date:		23/09/2019		
What matters might be impacted?			What activities might cause an impact?		What are the characteristics of the impact?				How will the impact be managed?	What are the community and other stakeholder views?	What level of assessment and engagement is required in the EIS preparation phase?			
Social and environmental matters I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary			Without any mitigation, is the proposal likely to impact on the matter? (Select from list)	If there is a 'likely' impact: 1. list the activities expected to cause the impact; and 2. if applicable, list the receptor being impacted and its status. E.g. construction noise will be heard at nearby school If 'unlikely', briefly explain why. Has the impact been actively avoided through project design or site location? (Manual entry)	Is the impact, without mitigation, expected to cause a material effect with regard to its... (Answer 'Y', 'N' or '?') Click on characteristic for description, or the link above for further detail	Does the impact need assessment in the EIS? (Auto fills)	Is the impact, without mitigation, expected to have a material cumulative effect with other impacts (including from other projects)? (Select from list)	What safeguards and management measures are expected to be required to address the impact? (Select from list)	Are there community or other stakeholder concerns regarding the impact or activity? (Based on engagement with community and other stakeholders) (Select from list)	Expected level of assessment and/or engagement required (Auto fills)	Relevant section in Scoping Report (Manual entry)			
Social and environmental matters aggregated at the level most appropriate for informing management and assessment requirements in the matter for a description, or the link above for full glossary	AMENITY	acoustic	Likely	Dredge & booster pump operation may be heard at nearby houses; Heavy vehicle movements may be heard at nearby houses; Loading operations may be heard at nearby houses. All subject to prevailing conditions. S/SE winds prevailing.	?	Y	Y	Y	Yes	No	Project Specific	Yes	Key Issue + Focussed Engagement	Section 7.1.1
		visual	Likely	Dredging operations will progressively alter the landscape from a predominately agricultural vista (cattle grazing) to rehabilitated waterbodies and recreational facilities. The change will be visible from nearby houses, vehicles using the Pacific Highway and from a range of key vantage points in the broader area.	Y	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Section 7.1.2
		odour	n/a	The project does not rely upon processes which would result in or create an opportunity for odour. This issue is avoided through project design									No assessment necessary - Worksheet only	N/A
		microclimate	n/a	The project will not impact upon the qualities, characteristics or attributes people value about the climate in the local area or region, be that temperature, rainfall, wind or sunlight access.									No assessment necessary - Worksheet only	N/A
		light spill	Likely	Lighting for 24hr operation may be seen by nearby houses, vehicles using the pacific highway and a range of key vantage points in the broader surrounding area.	?	Y	Y	Y	Yes	No	Project Specific	Yes	Key Issue + Focussed Engagement	Section 7.1.3
	ACCESS	access to property	Unlikely	With exception of access to the ABLP Facility (Lot 1 DP1192506) the project will have no interaction with existing property access. The project will see a new operations and haulage access via the Tweed Valley Way Pacific Highway Interchange. The use of this access and the needs of the ABLP facility will be accommodated to ensure appropriate and on going property access.								Yes	Scoping Report + Explain avoidance	Section 7.3.1
		utilities	Unlikely	As part of detailed project design all services (public and private) will be located and appropriately buffered / avoided. Access to same would be maintained.								Yes	Scoping Report + Explain avoidance	Section 7.3.2
		road and rail network	Likely	The project will see a new operations and haulage access via the Tweed Valley Way Pacific Highway Interchange. 24/7 Access to the interchange by predominately heavy vehicles will occur with altered traffic conditions. Road users could be affected during construction activities.	?	Y	Y	N	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Section 7.1.4
		offsite parking	n/a	The project will not impact or restrict parking in the immediately areas during either operation or construction. The project site is of sufficient size to accommodate all project operational activities wholly onsite. This issue is avoided through site location and project design									No assessment necessary - Worksheet only	N/A
		other - please specify												
	BUILT ENVIRONMENT	public domain	n/a	The project does not interface with, nor alter any public domain areas. This issue is avoided by site location.									No assessment necessary - Worksheet only	N/A
		public infrastructure	Unlikely	As part of project design all services (public and private) will be located and appropriately buffered / avoided. Access to same would be maintained. This issue is avoided by project design.								Yes	Scoping Report + Explain avoidance	Section 7.3.3
		other built assets	n/a	The site is sufficiently buffered from other structures and does not require or rely upon processes that could result in structural damage or dilapidation to adjoining built assets. This issue is avoided by site location and project design including maintaining a 10m minimum buffer to boundaries.									No assessment necessary - Worksheet only	N/A
		other - please specify												
	HERITAGE	natural	n/a	Initial searches do not indicate the presence of any international, national, state or local natural items of heritage significance on the project site.									No assessment necessary - Worksheet only	N/A
		cultural	n/a	Initial searches do not indicate the presence of any international, national, state or local cultural items of heritage significance on the project site.									No assessment necessary - Worksheet only	N/A
		Aboriginal cultural	Unlikely	Review of Tweed Aboriginal Cultural Heritage Management Plan 2018 mapping indicates a place of Aboriginal Cultural Heritage Significance within the existing Phase 1 to 4 extraction lake. Basic AHIMS searches also identify 1 Aboriginal site recorded or near Lot 22 DP1082435. Tweed Aboriginal Cultural Heritage Management Plan 2018 mapping and basic AHIMS searches do not identify any other known items of Aboriginal Cultural Heritage upon the site.								Yes	Scoping Report + Explain avoidance	Section 7.3.4

Environmental Impact Statement (EIS) scoping worksheet for:			Hanson Tweed Sand Plant Expansion Phase 5 onward							Date:		23/09/2019					
What matters might be impacted?		What activities might cause an impact?		What are the characteristics of the impact?					How will the impact be managed?	What are the community and other stakeholder views?	What level of assessment and engagement is required in the EIS preparation phase?						
Social and environmental matters I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary		Without any mitigation, is the proposal likely to impact on the matter? (Select from list)	If there is a 'likely' impact: 1. list the activities expected to cause the impact; and 2. if applicable, list the receptor being impacted and its status. E.g. construction noise will be heard at nearby school If 'unlikely', briefly explain why. Has the impact been actively avoided through project design or site location? (Manual entry)	Is the impact, without mitigation, expected to cause a material effect with regard to its... (Answer 'Y', 'N' or '?') Click on characteristic for description, or the link above for further detail				Does the impact need assessment in the EIS? (Auto fills)	Is the impact, without mitigation, expected to have a material cumulative effect with other impacts (including from other projects)? (Select from list)	What safeguards and management measures are expected to be required to address the impact? (Select from list)	Are there community or other stakeholder concerns regarding the impact or activity? (Based on engagement with community and other stakeholders) (Select from list)	Expected level of assessment and/or engagement required (Auto fills)	Relevant section in Scoping Report (Manual entry)				
				extent?	duration?	severity?	sensitivity?										
I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary		built	n/a	Initial searches do not indicate the presence of any international, national, state or local cultural items of heritage significance.								No assessment necessary - Worksheet only	N/A				
		other - please specify															
	COMMUNITY	health	n/a	The project is spatially separated from urbanised areas in the locality and will have no impact upon how these areas currently function nor how they could function into the future. The project will have no impact upon the health, safety, services available, or cohesion/capital/resilience or housing available to the broader community. This issue is avoided by site location and project specific mitigation measures relating to noise, odour and light spill.								No assessment necessary - Worksheet only	N/A				
		safety	n/a	The project is spatially separated from urbanised areas in the locality and will have no impact upon how these areas currently function nor could function into the future. The project will have not impact upon the health, safety, services available too, or cohesion/capital/resilience or housing available to the broader community. This issue is avoided by site location.								No assessment necessary - Worksheet only	N/A				
		services and facilities	Likely	The project end use will provide additional public recreation facilities for the use of the broader community. Final ownership, maintenance responsibility and funding to be determined through ongoing investigation and consultation.				Y	Y	Y	N	Yes	No	Unknown	Yes	Key Issue + Focussed Engagement	Section 7.1.5
		cohesion, capital and resilience	n/a	The project is spatially separated from urbanised areas in the locality and will have no impact upon how these areas currently function nor how they could function into the future. The project will have not impact upon the health, safety, services available to, or cohesion/capital/resilience or housing available to the broader community. This issue is avoided by site location.											No assessment necessary - Worksheet only	N/A	
		housing	n/a	The project is spatially separated from urbanised areas in the locality and will have no impact upon how these areas currently function nor how they could function into the future. The project will have not impact upon the health, safety, services available to, or cohesion/capital/resilience or housing available to the broader community. This issue is avoided by site location.											No assessment necessary - Worksheet only	N/A	
		other - please specify															
	ECONOMIC	natural resource use	n/a	The project seeks to utilise a key sand resource. The project will not impact upon or restrict access to the resource.										No assessment necessary - Worksheet only	N/A		
		livelihood	n/a	The project will not impact upon any persons ability to generate income of livelihood. The site is in a rural locality and is not a use that will result in a land use conflict that would prevent ongoing agricultural activities on adjoining properties.										No assessment necessary - Worksheet only	N/A		
		opportunity cost	Unlikely	The type and quality of the material available onsite is a key sand resource for the Northern New South Wales / South East Queensland Region. The need to facilitate access to such resources is identified within the directions of the North Coast Regional Plan 2036. On balance the use of the resource is not expected to result in unacceptable opportunity cost										No	Scoping Report	Section 7.3.5	
		other - please specify															
	AIR	particulate matter	Likely	Dust from initial stripping and haulage operation could be received at sensitive receptors. All subject to prevailing conditions. S/SE winds prevailing.				?	Y	Y	Y	Yes	No	Standard	Yes	Other Issue + Focussed Engagement	Section 7.2.1
		gases	n/a												No	No assessment necessary - Worksheet only	N/A
		atmospheric emissions	Unlikely	Project emissions will be limited to small scale diesel generator (dredge) and truck and equipment exhaust emissions. All vehicles and equipment will be maintained to the relevant standards to ensure emissions compliance. Through technology advances project emissions are likely to reduce overtime.											No	Scoping Report	Section 7.3.6
other - please specify																	

Environmental Impact Statement (EIS) scoping worksheet for:			Hanson Tweed Sand Plant Expansion Phase 5 onward							Date:		23/09/2019		
What matters might be impacted?			What activities might cause an impact?		What are the characteristics of the impact?					How will the impact be managed?	What are the community and other stakeholder views?	What level of assessment and engagement is required in the EIS preparation phase?		
Social and environmental matters I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary			Without any mitigation, is the proposal likely to impact on the matter? (Select from list)	If there is a 'likely' impact: 1. list the activities expected to cause the impact; and 2. if applicable, list the receptor being impacted and its status. E.g. construction noise will be heard at nearby school If 'unlikely', briefly explain why. Has the impact been actively avoided through project design or site location? (Manual entry)	Is the impact, without mitigation, expected to cause a material effect with regard to its... (Answer 'Y', 'N' or '?') Click on characteristic for description, or the link above for further detail	Does the impact need assessment in the EIS? (Auto fills)	Is the impact, without mitigation, expected to have a material cumulative effect with other impacts (including from other projects)? (Select from list)	What safeguards and management measures are expected to be required to address the impact? (Select from list)	Are there community or other stakeholder concerns regarding the impact or activity? (Based on engagement with community and other stakeholders) (Select from list)	Expected level of assessment and/or engagement required (Auto fills)	Relevant section in Scoping Report (Manual entry)			
What does the proposal mean for the natural environment?	BIODIVERSITY	native vegetation	Unlikely	The site has limited vegetation. The site is predominately grasslands used for live stock grazing. Limited vegetation is present along a number of cane drains on the property. Tweed Shire Council 2009 vegetation management mapping identify the site are predominatley highly modified/disturbed and a very small pocket of vegetation mapped as melaleuca and swamp she-oak forest in the north eastern part of lot 51 DP1166990. Some vegetation is located offsite, but adjacent to the boundary.						Yes	Scoping Report + Explain avoidance	Section 7.3.7		
		native fauna	Unlikely	The site has limited vegetation and by extension habitat potential.						Yes	Scoping Report + Explain avoidance	Section 7.3.8		
		other - please specify												
	LAND	stability and/or structure	Unlikely	The site is relatively flat and will remain as such after dredging is completed. The project will not create steep slopes or submerged batter angles to ensure stability. Lake banks will be appropriately engineered. This issue is avoided through project design.						Yes	Scoping Report + Explain avoidance	Section 7.3.10		
		soil chemistry	Likely	Acid Sulfate Soils are known to occur onsite and within the project area. Existing operations of the site employ effective management measures for acid sulfate soils, including re-interring fines materials at depth within the lakes. These measures will continue to be utilised.	Y	Y	Y	Y	Yes	No	Project Specific	No	Key Issue	Section 7.1.6
		capability	Likely	The process of sand extraction will result in a material change to the land, creating a series of lakes that alter the number and range of land uses that can be applied to the site. Currently the site is used for extractive industries, live stock grazing and a small area of Tea Tree cultivation (in the area known as Phase 5).	N	Y	Y	Y	Yes	No	Unknown	Yes	Key Issue + Focussed Engagement	Section 7.1.7
		topography	n/a	The site is relatively flat and will remain as such after dredging is completed. Site topography is not a constraint on the project.									No assessment necessary - Worksheet only	N/A
		Contamination	Likely	While no contamination is know to exist on the site. Without appropriate investigation a risk of contaminated land exposure exists. To discharge the projects obligations under State Environmental Planning Policy No.55 at minimum a preliminary site investigation would be undertaken	?	?	?	?	Unknown	No	Unknown		Key Issue	Section 7.1.8
		Ownership	Likely	The site encompasses a piece of unformed road reserve, located between Lot 22 DP1082435, Lot 1 DP1250570 and Lot 2 DP1192506. This road reserve is understood to be vested to and under the control of Tweed Shire Council. If site operations are to encompass this land a road closure and purchase would be required.	N	N	Y	Y	Yes	No	Standard	Yes	Other Issue + Focussed Engagement	Section 7.2.2
	WATER	water quality	Likely	The project will involve the expansion of the existing extraction lake through the progressive extraction of sands. The project has the potential to impact local groundwater quality and the surface water quality within the extraction lake itself. Existing operations of the site employ effective management measures that limit the potential for groundwater impacts whilst maintaining acceptable water quality within the extraction lake. These measures will continue to be utilised.	Y	Y	Y	Y	Yes	No	Project Specific	Yes	Key Issue + Focussed Engagement	Section 7.1.9
		water availability	Unlikely	The project does not rely upon processes that require or utilise significant amounts of water. However, the lakes created by the project will form a 'groundwater window' and lead to evaporative losses from the lakes surface. These losses would be quantified as part of the site water balance included in the proposed methodology for the surface and groundwater assessments.	?	Y	?	?	Unknown	No	Unknown	Yes	Key Issue + Focussed Engagement	Section 7.1.10

[illegible]

Social impact assessment (SIA) scoping worksheet for:				Hanson Tweed Sand Plant Expansion Phase 5 onward				Date:	23/09/2019	
Scoping results from EIS Worksheet						Is there a social impact?		What information will be required to assess the social impact?		
Social and environmental matters Click on a matter below for brief description, or refer to full glossary			Outline of impact (Auto fill from EIS worksheet)	Is a material effect on the matter expected? (Auto fill from EIS worksheet)	Is there community or other stakeholder concerns regarding the impact or activity? (Auto fill from EIS worksheet)	With regard to the matter expected to be impacted, will there be a social impact? Select this cell for brief description, or click link above for further detail		Are impacts on the matter expected to require a non-SIA specialist study? (Auto fill from EIS worksheet, then manually enter non-SIA report type)	Will the non-SIA specialist study address the social impact? Click on link above for further detail on potential classifications (Select from list)	Level of assessment for the social impact in the SIA Click on link above for further detail on potential classifications (Auto fills)
						Yes/No (Select from list)	If yes, outline the social impact (Manual entry, if not already covered in column D) If no, outline why (Manual entry)			
What does the proposal mean for people?	AMENITY	acoustic	Dredge & booster pump operation may be heard at nearby houses; Heavy vehicle movements may be heard at nearby houses; Loading operations may be heard at nearby houses. All subject to prevailing conditions. S/SE winds prevailing.	Yes	Yes	No	-	Yes - Noise Impact Assessment	No	No SIA required
		visual	Dredging operations will progressively alter the landscape from a predominately agricultural vista (cattle grazing) to rehabilitated waterbodies and recreational facilities. The change will be visible from nearby houses, vehicles using the Pacific Highway and from a range of key vantage points in the broader area.	Yes	Yes	No	-	Yes - Visual Impact Assessment	No	No SIA required
		light spill	Lighting for 24hr operation may be seen by nearby houses, vehicles using the pacific highway and a range of key vantage points in the broader surrounding area.	Yes	Yes	No	-	Yes - Light Spill Assessment	No	No SIA required
	ACCESS	road and rail network	The project will see a new operations and haulage access via the Tweed Valley Way Pacific Highway Interchange. 24/7 Access to the interchange by predominately heavy vehicles will occur with altered traffic conditions. Road users could be affected during construction activities.	Yes	Yes	No	-	Yes - Traffic Impact Assessment	No	No SIA required
	COMMUNITY	services and facilities	The project end use will provide additional public recreation facilities for the use of the broader community. Final ownership, maintenance responsibility and funding to be determined through ongoing investigation and consultation.	Yes	Yes	Yes	Refer Column D	Yes - End Use Concept Plan	No	Comprehensive SIA
What does the proposal mean for the natural environment?	AIR	particulate matter	Dust from initial stripping and haulage operation could be received at sensitive receptors. All subject to prevailing conditions. S/SE winds prevailing.	Yes	Yes	No	-	No	No	No SIA required
		soil chemistry	Acid Sulfate Soils are known to occur onsite and within the project area. Existing operations of the site employ effective management measures for acid sulfate soils, including re-interring fines materials at depth within the lakes. These measures will continue to be utilised.	Yes	No	No	-	Yes - Acid Sulfate Soils Assessment	No	No SIA required
	LAND	capability	The process of sand extraction will result in a material change to the land, creating a series of lakes that alter the number and range of land uses that can be applied to the site. Currently the site is used for extractive industries, live stock grazing and a small area of Tea Tree cultivation (in the area known as Phase 5).	Yes	Yes	Yes	Refer Column D	Yes - Agricultural Land Capability Assessment	No	Comprehensive SIA
		ownership	The site encompasses a piece of unformed road reserve, located between Lot 22 DP1082435, Lot 1 DP1250570 and Lot 2 DP1192506. This road reserve is understood to be vested to and under the control of Tweed Shire Council. If site operations are to encompass this land a road closure and purchase would be required.	Yes	Yes	No	-	No	No	No SIA required
	WATER	water quality	The project will involve the expansion of the existing extraction lake through the progressive extraction of sands. The project has the potential to impact local groundwater quality and the surface water quality within the extraction lake itself. Existing operations of the site employ effective management measures that limit the potential for groundwater impacts whilst maintaining acceptable water quality within the extraction lake. These measures will continue to be utilised.	Yes	Yes	No	-	Yes - Ground Water Assessment; Surface Water Assessment	No	No SIA required
		water availability	The project does not rely upon processes that require or utilise significant amounts of water. However, the lakes created by the project will form a 'groundwater window' and lead to evaporative losses from the lakes surface. These losses would be quantified as part of the site water balance included in the proposed methodology for the surface and groundwater assessments.	Yes	Yes	No	-	Yes - Water Balance Assessment	No	No SIA required

Social impact assessment (SIA) scoping worksheet for:			Hanson Tweed Sand Plant Expansion Phase 5 onward			Date:		23/09/2019		
Scoping results from EIS Worksheet						Is there a social impact?		What information will be required to assess the social impact?		
Social and environmental matters Click on a matter below for brief description, or refer to full glossary			Outline of impact (Auto fill from EIS worksheet)	Is a material effect on the matter expected? (Auto fill from EIS worksheet)	Is there community or other stakeholder concerns regarding the impact or activity? (Auto fill from EIS worksheet)	With regard to the matter expected to be impacted, will there be a social impact? Select this cell for brief description, or click link above for further detail		Are impacts on the matter expected to require a non-SIA specialist study? (Auto fill from EIS worksheet, then manually enter non-SIA report type)	Will the non-SIA specialist study address the social impact? Click on link above for further detail on potential classifications (Select from list)	Level of assessment for the social impact in the SIA Click on link above for further detail on potential classifications (Auto fills)
						Yes/No (Select from list)	If yes, outline the social impact (Manual entry, if not already covered in column D) If no, outline why (Manual entry)			
		hydrological flows	There is an existing network of agricultural drains traversing the subject site, some of which will be consumed by the expansion of the lake. A number of these drains are more significant in their extent including one that traverses north south along the edge of Lot 22 DP1082435 and bends across to run along the boundary of Lot 2 DP1192506 / Lot 1 DP1192506 and crossing through Lot 51 DP1166990 into land not part of the proposal; and a second running east west along the edge of Lot 3 DP1243752 and through the south western corner of Lot 1 DP1250570 crossing into the Pacific Highway Road Reserve. These drains play a part in existing site drainage and may be under partial tidal influence. Subject to ultimate pond design these drains may either be diverted or absorbed. These drains would be assessed as part of the proposed methodologies for the surface and groundwater assessments.	Yes	Yes	No	-	Yes - Surface Water Assessment	No	No SIA required