Appendix C: Appraisal Tables – Development Principles
Pàipear-taice C: Clàran Measaidh – Prionnsapalan Leasachaidh

Detailed Assessment Matrices of Masterplan Development Principles
Guide to assessment criteria used in detailed assessment matrices
The assessment of significant effects of the Nigg Development Masterplan has explored the likely effects of the Development Objectives and Options on each of the SEA objectives. Effects have been investigated in terms of;

Duration: The duration of potential effects are presented in terms of timescale over which they are anticipated
Short term (ST) – effects expected in the next 1-5 years
Medium term (MT) – effects expected in the next 6-20 years
Long term (LT) – effects expected in the next 20+ years

Permanence and reversibility:
Permanent (P) – a permanent effect is one which results from a physical change that is anticipated to last beyond the life of the Masterplan
Temporary (T) – a temporary effect which results from an operation change or a short term construction related impact
Reversible (R) – a reversible effect is an environmental effect that can be reversed
Irreversible (I) – an irreversible effect is an environmental effect that can not be reversed

Spatial Scale
Local (L) – effect is restricted to the location of the site
Regional (R) – Effect is anticipated to cover a significant proportion of the Highlands
National (N) – Effect covers the whole of Scotland and/or the UK

Applicable Site Area of Assessment:
Oil Terminal (OT)
Fabrication Yard (FY)
Proximal Land to the East (PLE)

Significance Assessment

++	Major Positive	This objective/option would significantly benefit the SEA objective by resolving an existing environmental issue and/or maximising opportunities for environmental enhancement
+	Minor Positive	The objective/option would be partially beneficial to the SEA objective by contributing to resolving an existing environmental issue and/or offering opportunity for some environmental enhancement
N	Neutral	The objective/option would not significantly affect the SEA objective
?	Uncertain	There is insufficient detail available on the option/objective in order to assess how significantly the SEA objective would be affected by the option
-	Minor Negative	The option/objective would partly undermine the SEA objective by contributing to an environmental problem and/or partially undermine opportunities for environmental enhancement
- -	Major Negative	The option/objective would severely undermine the SEA objective by creating an environmental problem and/or undermine opportunities for environmental enhancement

Development Principle	Site content and operations										
Development Objective	**Accommodate a range of uses – To create a development site that is capable of accommodating a range of uses and has the flexibility to attract and sustain both large scale inward investment as well as small-scale local business enterprise.**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N	-	√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N	-	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N	-	√	√	√
	Reduce risks to water quality	N	N	-	N	-	N	-	√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N	-	√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N	-	√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N	-	√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N	-	√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	ST, MT	P	L	+	Economic and employment benefits for the wider area	N	The range of uses provided should include jobs opportunities for the neighbouring communities	√	√	√
	Maximise opportunities for training and life-long learning	ST, MT	P	L, R	+	Economic and employment benefits for the wider area	N	The range of uses should include opportunities for training facilities	√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT	P	L,R	+	Economic and employment benefits for the wider area	N	The range of uses should appeal to the wider employment market	√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N	-	√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N	-	√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N	-	√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. There may be minor positive effects on Population and Human Health dependant on the range of uses proposed, as the objective should benefit the local workforce and economy. It is considered that this objective will **have an overall neutral effect**										

Development Principle	Site content and operations										
Development Objective	**Acknowledge user interaction and operational linkages – To ensure the plan acknowledges user interaction and operational linkages through designated 'activity zones'**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N	-	√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N	-	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N	-	√	√	√
	Reduce risks to water quality	N	N	-	N	-	N	-	√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N	-	√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N	-	√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N	-	√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N	-	√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N	-	√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N	-	√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N	-	√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N	-	√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N	-	√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N	-	√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. There may be minor positive effects on Population and Human Health dependant on the range of uses proposed, as the objective should benefit the local workforce and economy. It is considered that this objective will **have an overall neutral effect**										

Development Principle	Site content and operations										
Development Objective	Create integrated and coherent framework based on simple grid to; maximise development areas, create development plots which can be sub-divided or amalgamated into smaller or larger plots as necessary, accommodate user requirements with expansion areas available where possible, ensure adequate road alignments to service all plots and accommodate HGV's and abnormal loads and create unconstrained road and marine access to berthing quays and transit areas where possible										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	- -	Increased marine access will likely lead to increased marine traffic with possible disturbance and/or pollution effects on wildlife, e.g. dolphins	Y	The construction/development although constrained within the site will impact on the adjacent designated site. In particular the construction of marine access. A construction environmental management plan should be implemented. Mitigation for the development of sea access to be proposed by EIA and Environmental Action Plan	√	√	√
	Prevent emissions that could impact on local biodiversity	ST	T	L	- -	Increased marine access will likely lead to increased marine traffic with possible effects on wildlife, e.g. dolphins	Y	Construction of road and marine access will result in a short term increase in emissions. Propose the introduction of a Construction environmental management plan to mitigate against unnecessary dust, noise and emissions Mitigation for the development of sea	√	√	√

								access to be proposed by EIA and Environmental Action Plan			
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT, LT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.	√	√	√
	Reduce risks to water quality	ST	P	L,R	- -	Additional flood mitigation may increase or decrease flood risk and/or pollution risk in areas close to Nigg Yard	Y	Construction method statement should be required outlining mode of working and mitigation recommendations. All works should be carried out in accordance with SEPA guidance	√	√	√
	Minimise risks to high quality aquatic environment	ST, MT	P	L	- -	Additional flood mitigation may increase or decrease flood risk and/or pollution risk in areas close to Nigg Yard	Y	Construction method statement should be required outlining mode of working and mitigation recommendations. All works should be carried out in accordance with SEPA guidance	√	√	√
Material Assets	Maximise use of brownfield sites	ST	P	L	++	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L,R	+	Use of local materials will reduce travel distances and associated emissions	N	Opportunity to reuse existing material and source required materials for local/sustainable sources	√	√	√

	Promote effective re-use of on-site facilities	ST	P	L	++	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L,R	++	-	N		√	√	√
	Maximise opportunities for training and life-long learning	ST,MT,LT	P	L,R	++	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L,R	++	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST	T	L	-	-	Y	Any impact would be short term due to construction and should be mitigated through a construction management plan	√	√	√
	Maintain and where possible enhance local cultural identity	MT,LT	P	L	+	-	N	Enabling the site to become active again will regenerate the surrounding communities	√	√	√
	Minimise impacts on local landscape quality/ capacity	MT,LT	P	L	+	-	N		√	√	√
Synergistic impacts	Increased flood risk may increase risk of chemical pollution by inundation. Site drainage details, including surface permeability and other factors, will be of key importance to avoid adverse synergistic impacts. FRA will inform this assessment.										
Cumulative impacts	Increased marine access may cause cumulative pollution impacts on habitats or species. For example, bottlenose dolphins may be affected by both chemical/hydrocarbon pollution and noise disturbance.										
Summary	The objective for the development of the site with improved infrastructure and additional access will have a **negative effect** on biodiversity and water due to short term construction impacts and long term impacts from new marine access. There will be positive effects in terms of potential opportunities for investment and job creation benefiting the surrounding communities. The site is currently predominantly vacant so there are positive effects in terms of the re-use of onsite facilities and the improvement to local landscape quality. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	Site content and operations										
Development Objective	**Renovate graving dock to operate competitively**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST	T	L	-	Possible risk of persistent pollutants from renovation remaining in the marine environment	Y	The renovation may cause spillage into the water environment. A Construction Environmental Management plan will be required to mitigate against potential spillages. An EIA will be required		√	
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	-	Possible risk of persistent pollutants from renovation remaining in the marine environment	Y	Increased activity on site may lead to an increase in emissions during both construction and operation. Construction management plan should be applied as well as operation standards. An EIA will be required		√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-			Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment An EIA will be required in order to determine appropriate mitigation measures		√	

	Reduce risks to water quality	ST,MT,LT	P	L	-	Possible risk of persistent pollutants from renovation remaining in the marine environment	Y	Potential ST risk when renovating the drainage dock. Water has sat stagnant for a long period of time with potential contaminants Construction management plan to mitigate against spillage of contaminants. Ensure dry dock drainage is managed in consultation with SEPA. An EIA will be required		√	
	Minimise risks to high quality aquatic environment	ST,MT,LT	P	L	--	Possible risk of persistent pollutants from renovation remaining in the marine environment	Y	As above.		√	
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-				√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST,MT,LT	P	L,R	+	Use of local materials will reduce travel distances and associated emissions	N	There are opportunities to sustainably source materials associated with the renovation		√	
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	++	-	N	Maximise use of existing materials associated with the graving dock		√	

Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	++	-	N			√	
	Maximise opportunities for training and life-long learning	ST,MT,LT	P	L	+	-	N			√	
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	N	+	-	N	Renovating the graving dock will increase the overall competitiveness of the site and help attract a new workforce		√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N		N	-	N	No change to existing		√	
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	+	-	N			√	
	Minimise impacts on local landscape quality/ capacity	N	N	N	N	-	N	No change to existing		√	
Synergistic impacts	None foreseen										
Cumulative impacts	Cumulative impacts may arise from the potential spillages when renovating the dock. Any pollutants and construction noise/dust will impact on the surrounding habitats. For example, bottlenose dolphins may be affected by both chemical/hydrocarbon pollution and noise disturbance.										
Summary	The objective for the renovation of the graving dock will have a **negative impact upon biodiversity and water**. This is due to potential pollution spillages when emptying the stagnant water within the dock and noise/dust pollution from construction work. It will have a **positive effect** on the remaining topics including landscape, population and material assets. The availability of an enhanced graving dock facility will have a positive effect upon encouraging inward investment. The renovation will effectively use existing brownfield land and may provide jobs for the surrounding workforce. There will be a **neutral impact** on surrounding landscape and listed buildings as the renovation will be focused on the dock. This is a significant distance from the listed sites and will not involve any construction which will increase impacts on landscape. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	Site content and operations										
Development Objective	**Retain oil storage terminal in current location, making best use of existing infrastructure.**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	LT	P	L	-	-	Y	Operation Environmental Works Plan	√		
	Prevent emissions that could impact on local biodiversity	LT	P	L	-	-	Y	Operation Works Plan Operation Environmental Works Plan	√		
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N	-	√		
	Reduce risks to water quality	LT	P	L	-	-	Y	Operation Environmental Works Plan	√		
	Minimise risks to high quality aquatic environment	LT	P	L	-	-	Y	Operation Environmental Works Plan	√		
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N	-	√		
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N	-	√		
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	++	-	N	Existing infrastructure will be used where possible	√		

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N	-	√		
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N	-	√		
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N	-	√		
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N	-	√		
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N	-	√		
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N	-	√		
Synergistic impacts	The vulnerability of the site to flood risk will have a bearing on the likelihood of pollution, i.e. a higher flood risk will lead to a higher risk of hydrocarbon/ chemical pollution. This could have impacts on water quality and biodiversity, including protected habitats and species.										
Cumulative impacts	There may be cumulative impacts caused by persistent pollution from one or more pollutants over a long period of time.										
Summary	There will be no change from the current status quo and therefore this objective will result in **neutral effect**. However there will be a minor negative impact on Biodiversity and Water Quality as the risk of oil storage is greater than no storage at all. This can be mitigated through operational environmental management plan. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	Site content and operations										
Development Objective	**Retain oil jetty**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	LT	P	L	-	-	Y	Operations environmental works plan		√	
	Prevent emissions that could impact on local biodiversity	LT	P	L	-		Y	Operations environmental works plan		√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	**N**	-	N	-		√	
	Reduce risks to water quality	LT	P	L	-	-	Y	Operations environmental works plan		√	
	Minimise risks to high quality aquatic environment	LT	P	L	-	-	Y	Operations environmental works plan		√	
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N	-		√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N	-		√	
	Promote effective re-use of on-site facilities	N	N	N	**N**	-	N	Existing facilities and materials should be re-used wherever possible		√	

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N	-		√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N	-		√	
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N	-		√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N	-		√	
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N	-		√	
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N	-		√	
Synergistic impacts	The vulnerability of the site to flood risk will have a bearing on the likelihood of pollution, i.e. a higher flood risk will lead to a higher risk of hydrocarbon/ chemical pollution. This could have impacts on water quality and biodiversity, including protected habitats and species.										
Cumulative impacts	There may be cumulative impacts caused by persistent pollution over a long period of time.										
Summary	There will be no change from the current status quo and therefore this objective will result in a **neutral effect**. However it must be recognised that there will be an impact in retaining the jetty on biodiversity and water quality. Activity levels are predicted to remain the same, however current activity will impact upon marine biodiversity, including impacts on the EU protected bottlenose dolphin population. This can be mitigated through operational environmental management plan. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	Site content and operations										
Development Objective	**Provide adequate sea access adjacent to the quayage and dock walls able to be shared by all users**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST	P	L, R	- -	Increased marine access will likely lead to increased marine traffic with possible disturbance and/or pollution effects on wildlife, e.g. dolphins	Y	Increased infrastructure on site and increased sea access should be done in accordance with Construction Environmental Management plan. An EIA will provide specific mitigation measures in accordance with SEPA guidance	√	√	
	Prevent emissions that could impact on local biodiversity	ST	P	L,R	-	Increased marine access will likely lead to increased marine traffic with possible pollution effects on wildlife, e.g. dolphins	Y	As above	√	√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.	√	√	
	Reduce risks to water quality	ST,	T	L	-	-	Y	Construction environmental management plan	√	√	

								to mitigate against risk to surface and ground water. An EIA will be required to provide specific mitigation measures in accordance with SEPA guidance			
	Minimise risks to high quality aquatic environment	ST	T	L	-	-	Y	Construction management plan to mitigate risks from pollution on marine environment. An EIA will be required to provide specific mitigation measures in accordance with SEPA guidance	√	√	
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-	N		√	√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L,R	+	Use of local materials will reduce travel distances and associated emissions	N	Encourage procurement of materials from local area or re-use of onsite materials	√	√	
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	++	-	N		√	√	
Population and Human Health	Maintain local populations through local employment opportunity	ST	P,T	L	+	-	N		√	√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	

	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST	T	L	-	-	Y	Construction Environmental Management Plan	√	√	
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	
	Minimise impacts on local landscape quality/ capacity	ST	T	L	-	-	Y	Construction Environmental Management Plan	√	√	
Synergistic impacts	None foreseen										
Cumulative impacts	Improved infrastructure will help to attract business to the site, which in turn will increase employment opportunities. Construction on site will result in dust and noise and potential pollution of the ground and surface water. This could result in negative impacts on water quality and biodiversity.										
Summary	The impact of this objective on Biodiversity and water **is negative**. The impacts are predominantly short term, caused by the construction of additional infrastructure on site. This can be mitigated by a comprehensive construction environmental management plan. Increased sea access could also increase the risks of chemical and noise pollution affecting the aquatic environment and protected habitats and species. Mitigation specific to this access provision should be devised and can be mitigated through operational environmental management plan. The reuse of the existing infrastructure and construction of new will provide both short term construction jobs and long term employment. Providing mitigation measures are followed the **residual effect will minor negative.**										

Development Principle	Site content and operations										
Development Objective	**Utilise existing buildings through refurbishment**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST	T	L	+	-	Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
	Prevent emissions that could impact on local biodiversity	ST	T	L	+		Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	+	-	N		√	√	
	Reduce risks to water quality	ST,MT,LT	P	L	+	-	N		√	√	
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-			√	√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L	+	-			√	√	

	Promote effective re-use of on-site facilities	ST	P	L	++	-	N		√	√	
Population and Human Health	Maintain local populations through local employment opportunity	ST	T	L	+	-	N	Construction job opportunities for local people	√	√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	++	-			√	√	
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	++	-			√	√	
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	++	-			√	√	
Synergistic impacts	No synergistic impacts were foreseen.										
Cumulative impacts	No cumulative impacts were foreseen.										
Summary	The reuse of existing buildings will have a positive impact upon several SEA objectives. The reuse of existing buildings will limit impact on the local landscape character, human population and biodiversity. It will also limit impact on local water quality. There may be short term impacts on noise, emissions and ground water quality however this can be mitigated out through the implementation of a construction management plan. There is potential for short term, local job opportunities during the refurbishment. There is an overall **positive effect.**										

Development Principle	Site content and operations										
Development Objective	**Creation of additional berthing faces to south and east, accessing deep water where possible**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L,R	--	Increased berthing will likely lead to increased marine traffic with possible disturbance and/or pollution effects on wildlife, e.g. dolphins	Y	A comprehensive construction environmental management plan will be required to mitigate against impact on bottlenose dolphins and other marine life. An EIA will be required to provide specific mitigation measures. Operations plan to mitigate increased activity		√	
	Prevent emissions that could impact on local biodiversity	ST	T	L	-	Increased berthing will likely lead to increased marine traffic with possible pollution effects on wildlife, e.g. dolphins	Y	Emissions from construction/operations should be mitigated by construction and operations environmental management plans		√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.		√√	

	Reduce risks to water quality	ST,MT,LT	P	L	--	-	Y	Construction Environmental Management plan to avoid spillages and pollution from construction works. An EIA will be required to provide specific mitigation measures. Operation Environmental plan will be required to manage and mitigate impact from increase activity over the longer term.		√	
	Minimise risks to high quality aquatic environment	ST,MT	P	L	--`	-	Y	As above		√	
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-	N			√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	T	L	+	Use of local materials will reduce travel distances and associated emissions	N	Encourage use of local and sustainable materials in construction		√	
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	-	-	Y	Some facilities may be re-used but additional berthing inevitably involves new build.		√	
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	T,P	L	+	-	N			√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N	Training should be provided alongside increased activity at the oil terminal to		√	

								attract future workforce and update skills of existing workforce			
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	+	-	N			√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST	T	L	-	-	Y	Noise and emissions to be mitigated through a construction Environmental management plan		√	
	Maintain and where possible enhance local cultural identity	MT,LT	P	L	+	-	N			√	
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	-	-	Y	Consider the impact on local landscape character		√	
Synergistic Impacts	No synergistic impacts were foreseen.										
Cumulative Impacts	Improved infrastructure will help to attract business to the site, which in turn will increase employment opportunities. Construction on site will result in dust and noise and potential pollution of the ground and surface water. This could result in negative impacts on water quality and biodiversity.										
Summary	The impact of this objective on Biodiversity and water **is negative.** The impacts are predominantly short term, caused by the construction of additional infrastructure on site. This can be mitigated by a comprehensive construction environmental management plan. Increased sea access could also increase the risks of chemical and noise pollution affecting the aquatic environment and protected habitats and species. Mitigation specific to this access provision should be devised. The reuse of the existing infrastructure and construction of new will provide both short term construction jobs and long term employment. This can be mitigated through operational environmental management plan. Providing mitigation measures are followed the **residual effect will be minor negative.**										

Development Principle	Cost and Value Engineering										
Development Objective	Minimise up-front costs, focusing only on those enabling works required to make an early start to the project										
SEA topic	SEA objective	Duration	Permanence	Spatial Scale	Significance Assessment	Secondary/ indirect	Mitigation required	Mitigation/ recommendations	Applicable site area		
									OT	NY	PLE
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective **will have an overall neutral effect**										

Development Principle	Cost and Value Engineering										
Development Objective	**Maximise use of existing built structures while ensuring they are suitably refurbished and secure prior to letting, as the basis for a future facilities management plan**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST	T	L	+	-	Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
	Prevent emissions that could impact on local biodiversity	ST	T	L	+	-	Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	+	-	N		√	√	
	Reduce risks to water quality	ST,MT,LT	P	L	+	-	N		√	√	
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	
Material Assets	Maximise use of brownfield sites	ST	P	L	+	-			√	√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L	++	-	N		√	√	

	Promote effective re-use of on-site facilities	ST	T	L	+	-	N	Construction job opportunities for local people	√	√	
Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	++	-			√	√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	++	-			√	√	
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	++	-			√	√	
	Minimise impacts on local landscape quality/ capacity	ST	T	L	++	-			√	√	
Synergistic impacts	No synergistic impacts were foreseen.										
Cumulative impacts	No cumulative impacts were foreseen.										
Summary	**The overall impact of the objective is positive**. The reuse of existing buildings will limit impact on the local landscape character and biodiversity. It will also limit impact on local water quality. There may be short term impacts on noise, emissions and ground water quality; however this can be mitigated through the implementation of a construction management plan. There is potential for short term, local job opportunities during the refurbishment.										

Development Principle	Cost and Value Engineering										
Development Objective	**Minimise new permanent road alignments to facilitate movement around the site with additional road surfacing and final determination of road and utility alignments until a later phase**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST.MT	P	L	-	-	Y	Construction Environmental Management plan. An EIA will required to provide specific mitigation measures	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT	P	L	-	-		As above	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.	√	√	√
	Reduce risks to water quality	ST,MT	P	L	-	-	Y	Construction Environmental Management plan to avoid spillages and pollution from construction works. An EIA will be required to provide specific mitigation measures.	√	√	√
	Minimise risks to high quality aquatic environment	ST.MT	P	L	-	-	Y	As above	√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-			√	√	√

	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L	+	-		Encourage use of sustainable and local materials	√	√	√
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	+	-			√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	**?**	-	Y	An EIA will be require to assess impacts at the detailed design stage	√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	**?**	-	Y	Construction environmental management plan needs to mitigate	√	√	√
Synergistic impacts	Construction of the road may have synergistic impacts with other construction elsewhere on the site, in terms of noise and dust pollution, for example.										
Cumulative impacts	Construction of road may impact on the surrounding EU designated sites through noise and emissions.										
Summary	The Management Plan objective proposes a staged approach to construction of infrastructure. Although this encourages the reuse of existing roads there will be construction and upgrading. This will have a **minor negative impact** as there will be new construction on site, however these impacts will be small and staged throughout the development period. The staged construction will be mitigated through a construction environmental management plan to mitigate noise, emissions and impact on groundwater. This can be mitigated through operational environmental management plan. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	Cost and Value Engineering										
Development Objective	**Undertake phased provision of utilities**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**										

Development Principle	Project Delivery										
Development Objective	Demonstrate economic efficiency through re-use of existing facilities i.e. infrastructure, services, plant and buildings to create a competitive location										
SEA topic	SEA objective	Duration	Permanence	Spatial Scale	Significance Assessment	Secondary/ indirect	Mitigation required	Mitigation/ recommendations	Applicable site area		
									OT	NY	PLE
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST	T	L	+	-	Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
	Prevent emissions that could impact on local biodiversity	ST	T	L	+	-	Y	Refurbishment works should be carried out in accordance with a construction management plan	√	√	
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	+	-	N		√	√	
	Reduce risks to water quality	ST,MT,LT	P	L	+	-	N		√	√	
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-			√	√	
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L	+	-			√	√	

	Promote effective re-use of on-site facilities	ST	P	L	++	-	N		√	√	
Population and Human Health	Maintain local populations through local employment opportunity	ST	T	L	+	-	N	Construction job opportunities for local people	√	√	
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	++	-			√	√	
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	++	-			√	√	
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	++	-			√	√	
Synergistic impacts	No synergistic impacts foreseen										
Cumulative impacts	No cumulative impacts foreseen										
Summary	The overall impact of the **objective is positive**. The reuse of existing buildings will limit impact on the local landscape character and biodiversity. It will also limit impact on local water quality. There may be short term impacts on noise, emissions and ground water quality however this can be mitigated out through the implementation of a construction management plan. There is potential for short term, local job opportunities during the refurbishment.										

Development Principle	Project Delivery										
Development Objective	Phase implementation to reflect user requirements										
SEA topic	SEA objective	Duration	Permanence	Spatial Scale	Significance Assessment	Secondary/ indirect	Mitigation required	Mitigation/ recommendations	Applicable site area		
									OT	NY	PLE
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**										

Development Principle	Project Delivery										
Development Objective	**Maximise opportunities for employment and inward investment**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	++	Economic and employment benefits for the wider area	N		√	√	√
	Maximise opportunities for training and life-long learning	ST,MT,LT	P	L	++	Economic and employment benefits for the wider area	N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	++	Economic and employment benefits for the wider area	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	Opportunities for employment will result in increased activity on site and may impact on the local biodiversity and water quality. This is dependent on the type of employment activity.										
Summary	'Maximise opportunities for employment' is a very general objective. We assume it will have a positive impact on the local population and may encourage immigration. However the **overall impact is neutral.**										

Development Principle	Impact and implications of the Masterplan										
Development Objective	Provide sufficient evidence to inform Compulsory Purchase Order (CPO) – To ensure that material prepared is in a form that can ultimately inform and provide rationale that underpins the requirement to pursue the proposed Compulsory Purchase Order procedure under consideration by the Highland Council										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√

	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**										

Development Principle	Impact and Implication of the Masterplan										
Development Objective	Provide strategic framework for the next 15-20 years										
SEA topic	SEA objective	Duration	Permanence	Spatial Scale	Significance Assessment	Secondary/ indirect	Mitigation required	Mitigation/ recommendations	Applicable site area		
									OT	NY	PLE
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**										

Development Principle	Integrating Spaces										
Development Objective	**Make new connections to obtain new spaces** • **Review adjacent sites proximal to the east of Nigg Yard to determine how their proximity may be used to advantage by effectively offering the opportunity to extend the core Nigg complex** • **The creation of new opportunity sites should also be a means to free spaces for development of the core site**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	--	Possible indirect effects from using Greenfield land	Y	Ecological Clerk of Works needed Construction management plan will be required to mitigate all forms of pollution			√
	Prevent emissions that could impact on local biodiversity	ST	T	L	-	Possible indirect effects from using Greenfield land	Y	Construction management plan will be required to mitigate all forms of pollution			√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-	Developing on new spaces (and any resulting flood mitigation measures) may have indirect flood risk/ mitigation implications for both Nigg Yard and areas proximal to the new areas	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.			√
	Reduce risks to water quality	ST,MT	T	L	-	Developing on new spaces (and any resulting flood mitigation measures) may have indirect flood	Y	Construction Environmental Management plan to avoid spillages and pollution from construction works. An EIA will be required to provide			√

						risk/ mitigation and water pollution implications for both Nigg Yard and areas proximal to the new areas		specific mitigation measures.			
	Minimise risks to high quality aquatic environment	ST,MT	P	L	-	Developing on new spaces (and any resulting flood mitigation measures) may have indirect flood risk/ mitigation and water pollution implications for both Nigg Yard and areas proximal to the new areas	Y	As above			√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	--	-	Y	Construction Environmental Management plan to avoid spillages and pollution from construction works. An EIA will be required to provide specific mitigation measures.			√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N				√
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	--	-	Y	Construction Environmental Management plan to avoid spillages and pollution from			√

								construction works. An EIA will be required to provide specific mitigation measures.			
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	+	-	N				√
	Maximise opportunities for training and life-long learning	ST,MT,LT	P	L	+	-	N				√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	+	-	N				√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	-	-	Y	An EIA will be required to provide specific mitigation measures.			√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	-	-	Y	An EIA will be required to provide specific mitigation measures.			√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	-	-	Y	An EIA will be required to provide specific mitigation measures.			√
Synergistic impacts	Development on agricultural land can lead to increased flood risk, therefore sustainable drainage options should be considered										
Cumulative impacts	There may be cumulative impacts from noise emissions from construction, operations and travel journeys. There may also be deterioration in water quality if water pollution is not mitigated. This will impact on the protected sites and species, including the bottlenose dolphins.										
Summary	Development of the land to the East will have a **negative impact** on biodiversity, flora and fauna and water. This is due to the fact that the development will located on current agricultural land. It should be noted that this land has been designated for industrial use in the Development Plan. There is also proposed marine access to the site which will impact marine habitats. The negative impact on biodiversity and water can be mitigated through an EIA and construction/operation environmental management plans. There **will be a positive effect** on population as development will encourage inward investment when developed along side the Nigg Yard and Oil Terminal It will provide both short term construction jobs and long term employment opportunities. The re-use of the Nigg site in any form is likely to have direct and indirect benefits to the local and wider economy and society. Following mitigation measures **the residual effect will be minor negative.**										

Development Principle	**Integrating Spaces**										
Development Objective	**Consolidate and enhance existing connections** • **Review and consider extension of the existing network of connections (road and rail) (e.g. link to Far North Rail from Nigg Complex)**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT	P	L,R	-	Increased infrastructure may facilitate further development in the wider area – possible effects on biodiversity	Y	Construction Environmental management plan. An EIA will be required to provide specific mitigation measures	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT	P	L,R	-	Increased infrastructure may facilitate further development in the wider area – possible emissions effects on biodiversity	Y	as above	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.	√	√	√
	Reduce risks to water quality	ST	T	L	-	-	Y	Construction Environmental management plan. An EIA will be required to provide	√	√	√

								specific mitigation measures in accordance with SEPA guidance			
	Minimise risks to high quality aquatic environment	ST	T	L	-	-	Y	as above	√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	+	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST	P	L	+	-	N		√	√	√
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	+	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	++	Increased infrastructure may facilitate further development in the wider area with increased employment and economic opportunities	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N		N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	++	Increased infrastructure may facilitate further development in the wider area with	N		√	√	√

						increased employment and economic opportunities					
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	-	-	Y	Avoid historic features and settings when extending both road and rail connections	√	√	√
	Maintain and where possible enhance local cultural identity	ST, MT,LT	P	L	+	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	-	-	Y	Provide appropriate natural screening of new road/rail connections	√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	Increased access will encourage more business opportunities to the site which will increase job opportunities. However this will increase activity and the noise/emissions impacts on biodiversity and water quality										
Summary	The objective to extend existing road and rail connections will have a short term negative impact during the construction period on the environment. However, through mitigation the long term impact should be minimised. It would benefit the local population providing increased access to the site and surrounding area. Improved rail access will provide a more sustainable mode of transport to the site, which could help to reduce emissions. This can be mitigated through operational environmental management plan. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	**Integrating the port/harbour/major site with its surroundings**										
Development Objective	**To take care in treatment of separating uses/elements** • **New buildings/structures to provide a balance between its multi-functional industrial activity, its wider rural context an providing an assurance of security**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	+	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	+	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	+	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**. However, the detailed wording of this objective specifies the need to take into account the site's rural context; hence the positive scores on the landscape SEA objectives.										

Development Principle	**Integrating the port/harbour/major site with its surroundings**										
Development Objective	**To render the site visible** • **Combine the reduction of the potential nuisance from the site with mitigation measures and visual openings to the water**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	?	-	N	Construction management plan needs to include avoidance/mitigation measures	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	?	-	N	Construction management plan needs to include avoidance/mitigation measures	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	L	?	-	N		√	√	√
	Reduce risks to water quality	N	N	L	?	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	L	?	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	L	?	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	L	?	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	L	?	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	L	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	L	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	L	?	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N	L	?	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	L	?	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not provide enough detail to determine any positive or negative impacts. Therefore an **uncertain effect** has been given for the majority of the SEA objectives.										

Development Principle	**Integrating the port/harbour/major site with its surroundings**										
Development Objective	**To exploit all potentialities of the water** • **To share the use of the water (e.g. oil terminal; ship to ship, etc.)** • **To favour movements of the inhabitants by water (e.g. Nigg ferry service)**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	--	Possible pollution / disturbance effects from increased vessel traffic	Y	Operation management plan	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	--	Possible pollution effects from increased vessel traffic	Y	Operation management plan	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	-	Additional flood mitigation may increase or decrease flood risk in areas close to Nigg Yard	Y	Development will need to take into consideration necessary flood measures as required by the Flood risk Assessment.	√	√	√
	Reduce risks to water quality	ST,MT,LT	P	L	--	-		An EIA will be required to provide specific mitigation measures in accordance with SEPA guidelines	√	√	√
	Minimise risks to high quality aquatic environment	ST,MT,LT	P	L	--	-		As above	√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-			√	√	√
	Maximise wider impacts by recommending sustainable	ST	T	L	+	-		Encourage use of sustainable and local material	√	√	√

	material sourcing/ procurement										
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	++	-			√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	+	-			√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	+	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	-	-	Y		√	√	√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	+	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	-	-	Y		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There may be cumulative pollution impacts from increased risk of pollution from on-site activities as well as activities taking place at sea.										
Summary	By exploiting all potentialities of the water there is potential to cause **negative impacts** on marine species and habitats. For example, ship to ship transfers may increase risk of pollution to the marine environment. However Ship to Ship transfers are currently are permitted activities at the site and therefore are monitored through MARPOL73/78 and the Marine Pollution Merchant Shipping Regulations 2008. A ferry service is currently in operation, however any increase will require and operational Environmental Management. Providing mitigation measures are followed the **residual effect will be neutral.**										

Development Principle	**Integrating functions**										
Development Objective	**To organise and benefit from blending** • **To use all technical solutions and to search for innovations (e.g. numerous technical solutions such as treatment of existing buildings, lighting, port equipment, surfacing etc to reduce nuisances and to make the context between the port/harbour/major sit and its surroundings possible.** • **To structure maritime/multi-use industrial activities to maximise complementary benefits (e.g. join efforts in the fields of R&D, communication , training international prospection, etc)**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	+	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	+	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	-	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√

	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	N	N	-	N	Possible positive impacts on economy/ employment from joint R&D, communication , training and international prospecting	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N	-	N	Possible positive impacts on economy/ employment from joint R&D, communication , training and international prospecting	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	Possible positive impacts on economy/ employment from joint R&D, communication training and international prospecting	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	The aim to reduce nuisance impacts may have positive benefits for integration with the surrounding area	N		√	√	√

	Maintain and where possible enhance local cultural identity	N	N	-	N	The aim to reduce nuisance impacts may have positive benefits for preserving or enhancing local cultural identity	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	+	The aim to reduce nuisance impacts will also likely have positive indirect future benefits for local landscape	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not generally produce any significant effects on the SEA objectives. It is considered that this objective will **have an overall neutral effect**. However, there may be positive benefits from innovative technical solutions to potential nuisances.										

Development Principle	**Integrating functions**										
Development Objective	**To make temporary uses a means to manage the site** • **Rather than selling or granting concessions for certain spaces or buildings pending their allocation, their temporary occupation may enable certain functional and temporary needs to be satisfied.** • **Partners/users should therefore give themselves flexibility to anticipate cycles of port/harbour/major site development and not compromise future development by irreversible modifications that 'freeze' the site**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	-	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	-	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	-	N	-	N		√	√	√
	Reduce risks to water quality	N	N	-	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	-	N	-	N		√	√	√
Material Assets	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	-	N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N	-	N	-	N		√	√	√

	Maintain local populations through local employment opportunity	N	N	-	N	-	N		√	√	√
Population and Human Health	Maximise opportunities for training and life-long learning	N	N	-	N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N	-	N	-	N		√	√	√
	Avoid and prevent impacts on local historic features and their settings	N	N	-	N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Maintain and where possible enhance local cultural identity	N	N	-	N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	-	N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The Development Masterplan objective is quite general and does not produce any significant effect on the SEA objectives. It is considered that this objective will have an **overall neutral effect**										

Development Principle	**Integrating the environment**										
Development Objective	**To reduce reciprocal impacts** • **To engage in a pro-active environmental approach (SEA and EIA)** • **To work on the buffer and transitional zones (e.g green buffer zones stemming from the preservation of predominantly rural zones or creation of green spaces)**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	++	Pro-active approach will likely have future positive implications for biodiversity (safeguarding against unforeseen impacts)	N		√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	++	Pro-active approach will likely have future positive implications for biodiversity (safeguarding against unforeseen impacts)	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	++	Pro-active approach will likely have future positive implications for flood risk (safeguarding against unforeseen impacts)	N		√	√	√

	Reduce risks to water quality	ST,MT,LT	P	L	++	Pro-active approach will likely have future positive implications for water quality (safeguarding against unforeseen impacts)	N		√	√	√
	Minimise risks to high quality aquatic environment	ST,MT,LT	P	L	++	Pro-active approach will likely have future positive implications for the aquatic environment (safeguarding against unforeseen impacts)	N		√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST,MT,LT	P	L	++	-	N		√	√	√
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	++	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	N		N		√	√	√

	Maximise opportunities for training and life-long learning	ST,MT,LT	P	L	N		N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	N		N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	++		N		√	√	√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	N		N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	++		N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	No foreseen cumulative impacts										
Summary	The masterplan objective for environmental consideration **will have a positive impact** on most of the SEA objectives as it effectively aims to predict and if necessary avoid or mitigate any harmful impacts at an early stage.										

Development Principle	Integrating the environment										
Development Objective	To communicate and get certain nuisances accepted – • To make all the concerned parties aware of the environmental strategy of the port/harbour/major site so its positive contribution to economic growth and the quality of life of its inhabitants can be understood										
SEA topic	SEA objective	Duration	Permanence	Spatial Scale	Significance Assessment	Secondary/ indirect	Mitigation required	Mitigation/ recommendations	Applicable site area		
									OT	NY	PLE
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N		N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N		N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N		N	-	N		√	√	√
	Reduce risks to water quality	N	N		N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N		N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N		N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N		N	-	N		√	√	√
	Promote effective re-use of on-site facilities	N	N		N	-	N		√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N		N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N		N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	N	N		N	-	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N		N	-	N		√	√	√
	Maintain and where possible enhance local cultural identity	N	N		N	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N		N	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The objective is too general to assess and therefore it is assumed that it will have **neutral impact on the SEA objectives**										

Development Principle	**Integrating societies**										
Development Objective	**To prepare for tomorrows jobs** • **To adapt the professional training sectors (e.g. in active collaboration with the academics in research and training, ports and multi-functional uses on the Nigg site should contribute to put in place specific training curricula. The contents of the course programmes should be regularly adjusted in order to correspond better to the requirement of a port-multi- functional use economy in constant development.**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	N	N	-	N		√	√	√
	Prevent emissions that could impact on local biodiversity	N	N	N	N	-	N		√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	N	N	-	N		√	√	√
	Reduce risks to water quality	N	N	N	N	-	N		√	√	√
	Minimise risks to high quality aquatic environment	N	N	N	N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	N	N	N	N	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	N	N	-	N		√	√	√

	Promote effective re-use of on-site facilities	N	N	N	N	-	N		√	√	√
Population and Human Health	Maintain local populations through local employment opportunity	MT,LT	P	L	++	-			√	√	√
	Maximise opportunities for training and life-long learning	MT,LT	P	L	++	-			√	√	√
	Maintaining attractiveness of area for in-migration	MT,LT	P	L	++	-			√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	N	N	-			√	√	√
	Maintain and where possible enhance local cultural identity	N	N	N	N	-			√	√	√
	Minimise impacts on local landscape quality/ capacity	N	N	N	N	-			√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	Training and job opportunities may result in an increase in the neighbour communities which would have an impact on the local biodiversity.										
Summary	The objective is relatively general and therefore it is assumed it will have a **predominately neutral impact** on the SEA objectives. It will have a positive effect on the population objectives as it will provide training and jobs for the local community and attract in migration.										

Development Principle	**Integrating societies**										
Development Objective	**To integrate within the life of the local community** • **To make development projects, as far as possible, upstream to attract the support of the inhabitants by for example landscaping treatment, port heritage**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	N	N	N	N	-	N				
	Prevent emissions that could impact on local biodiversity	N	N	N	N	-	N				
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	N	N	-	N				
	Reduce risks to water quality	N	N	N	N	-	N				
	Minimise risks to high quality aquatic environment	N	N	N	N	-	N				
Material Assets	Maximise use of brownfield sites	N	N	N	N	-	N				
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N	N	N	-	N				
	Promote effective re-use of on-site facilities	N	N	N	N	-	N				

Population and Human Health	Maintain local populations through local employment opportunity	N	N	N	N	-	N				
	Maximise opportunities for training and life-long learning	N	N	N	N	-	N				
	Maintaining attractiveness of area for in-migration	N	N	N	N	-	N				
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	N	N	N	N	-	N				
	Maintain and where possible enhance local cultural identity	N	N	N	N	-	N				
	Minimise impacts on local landscape quality/ capacity	N	N	N	N	-	N				
Synergistic impacts	None foreseen										
Cumulative impacts	There are no cumulative impacts										
Summary	The objective is relatively general and therefore it is assumed **will have a neutral impact** on the SEA objectives. Mitigation measures should be considered when the detailed design is available										

Development Principle	**Integrating societies**										
Development Objective	**To open the site to the local population** • **The creation of cycle/pedestrian routes (e.g. enhance the existing National Cycle Route)**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	+	-	Y	Construction environmental management plan	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	+	-	Y	As above	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	ST,MT,LT	P	L	+	-	Y	Further study will be required at detailed design stage to consider flood impact	√	√	√
	Reduce risks to water quality	ST	T	L	-	-	Y	Construction environmental management plan	√	√	√
	Minimise risks to high quality aquatic environment	N	N		N	-	N		√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	++	-	N		√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	ST,MT,LT	P	L	+	-	Y	Encourage use of sustainable/local materials when developing to encourage access by the local communities	√	√	√
	Promote effective re-use of on-site facilities	?	?	?	?	-			√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	N	N		N	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N		N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	+	Improvements to the National Cycle Route may increase the attractiveness of the area (social/ health benefits)	N		√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	ST,MT,LT	P	L	-	-	Y	An EIA will be required to provide appropriate mitigation measures	√	√	√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L	++	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	ST,MT,LT	P	L	+	-	N		√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	None foreseen										
Summary	The objective to open the site to the local population will have an **overall positive impact** upon the SEA objectives. Short term negative impacts from construction i.e. cycle path can be mitigated through the implementation of a management plan.										

Development Principle	**Integrating societies**										
Development Objective	**To determine the overall tourism offer** • **To consider the tourist potential; for example, Nigg ferry service between Nigg and Cromarty**										
SEA topic	**SEA objective**	**Duration**	**Permanence**	**Spatial Scale**	**Significance Assessment**	**Secondary/ indirect**	**Mitigation required**	**Mitigation/ recommendations**	**Applicable site area**		
									OT	**NY**	**PLE**
Biodiversity, flora and fauna	Protect and enhance designated sites and species	ST,MT,LT	P	L	-	-	Y	Operation Environmental Management plan	√	√	√
	Prevent emissions that could impact on local biodiversity	ST,MT,LT	P	L	-	-	Y	Operation Environmental Management plan	√	√	√
Water	Avoid flood risk by effectively identifying functional flood plain and providing appropriate mitigation	N	N	N	N		N		√	√	√
	Reduce risks to water quality	ST,MT,LT	P	L	-	-	Y	Operation Environmental Management plan	√	√	√
	Minimise risks to high quality aquatic environment	ST,MT,LT	P	L	-	-	Y	Operation Environmental Management plan	√	√	√
Material Assets	Maximise use of brownfield sites	ST,MT,LT	P	L	+	-			√	√	√
	Maximise wider impacts by recommending sustainable material sourcing/ procurement	N	N		N	-			√	√	√
	Promote effective re-use of on-site facilities	ST,MT,LT	P	L	+	-			√	√	√

Population and Human Health	Maintain local populations through local employment opportunity	ST,MT,LT	P	L	++	-	N		√	√	√
	Maximise opportunities for training and life-long learning	N	N		N	-	N		√	√	√
	Maintaining attractiveness of area for in-migration	ST,MT,LT	P	L	+	-			√	√	√
Landscape/ Cultural Heritage/ Historic Environment	Avoid and prevent impacts on local historic features and their settings	?	?	?	?	-			√	√	√
	Maintain and where possible enhance local cultural identity	ST,MT,LT	P	L:	+	-	N		√	√	√
	Minimise impacts on local landscape quality/ capacity	?	?	?	?	-			√	√	√
Synergistic impacts	None foreseen										
Cumulative impacts	Increase in tourist activity on site may result in an increase in emissions from transport to an from the site i.e. cars and ferries										
Summary	The objective to review tourist opportunities on site is relatively general however the possibility of an increased ferry service will have minor impacts upon biodiversity and water quality. An operation management plan should be provided if the ferry service is increased. Environmental Impacts of other tourist activities can be assessed when more detail is available through the EIA process										