

Appendix 1 – Coding of Impacts

1. Inductive coding of impacts based on document descriptions.

Type	Effect	Phase	Document	Criteria
Air Quality	None (Moderately negative – none)	Both	SEA	Health and Wellbeing
Appearance	Mixed (Significantly Negative – Moderately Positive)	Both	SEA	Conservation
Archeological Sites	Significantly Negative (None – Significantly Negative)	Establishment	SEA	Conservation
Benthic Fauna	Moderate (None – Significantly Negative)	Establishment	SEA	Environmental Effects
Benthic Vegetation	Small (None – Moderately Negative)	Establishment	SEA	Environmental Effects
Benthic Vegetation and Fauna	Small (None-Moderate)	Establishment	EIA	Environmental Effects
Birds	Small-Moderate	Both (Establishment)	EIA	Environmental Effects
Capacity Challenge (Transport Networks)	Positive	Operation	CBA	Traffic
Climate	Negative	Establishment	CBA	Resource Use
Climate and Air Quality	Small (Small-Moderate)	Both	EIA	Health and Wellbeing
Climate Effects	Significantly Negative	Establishment	SEA	Resource Use

Contaminated Soil	Small	Both	EIA	Environmental Effects
Cultural Heritage and Archeology	None/Moderate	Both	EIA	Conservation
Energy Use	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
Establishment Costs	Negative	Establishment	CBA	Economic Effects
Experience- and Tourism Infrastructure	Mixed (Significantly Negative – Significantly Positive)	Split	SEA	Economic Effects
External Effects (noise and air pollution)	Positive	Operation	CBA	Health and Wellbeing
Flora and Fauna	Moderately Negative (None – Significantly Negative)	Both (Establishment)	SEA	Environmental Effects
Geology and Ground Water	Small	Both	EIA	Environmental Effects
Groundwater	Moderately Negative (None – Significantly Negative)	Establishment	SEA	Environmental Effects
Housing	Positive	Operation	CBA	Housing
Housing and business	Significant positive	Operation	SEA	Housing
Landscape	Moderate (Small-Significant)	Both	EIA	Conservation
Maritime Mammals	Small	Establishment	EIA	Environmental Effects

Material Goods	Small (None-Moderate)	Establishment	EIA	Economic Effects
Nautical Conditions	Moderate (Small-significant)	Both	EIA	Economic Effects
Noise	Moderately negative (Significant negative – Moderately positive)	Both (Establishment)	SEA	Health and Wellbeing
Noise and Vibrations	None/Moderate	Establishment	EIA	Health and Wellbeing
Ocean Floor	Small (None – Moderately Negative)	Establishment	SEA	Environmental Effects
Ocean Water Quality	Small (None-Moderate)	Both	EIA	Environmental Effects
Ocean Water Quality	Small (None – Moderately Negative)	Establishment	SEA	Environmental Effects
Operational Costs	Negative	Operation	CBA	Economic Effects
Other Infrastructure	Mixed (Significantly Negative – Significantly Positive)	Split	SEA	Traffic
Population and human's health	Small	Both	EIA	Health and Wellbeing
Protected Areas	Significantly Negative	Both	SEA	Conservation
Protected Cultural Heritage	Significantly Negative	Both	SEA	Conservation

Raw Materials	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
Recreational Areas	Mixed (Significant negative – significant positive)	Both (Operation)	SEA	Recreation
Sailing	Significantly Negative	Both (Establishment)	SEA	Economic Effects
Sale of Land	Positive	Operation	CBA	Economic Effects
Sediment	Small	Both	EIA	Environmental Effects
Traffic Conditions	Small-Significant	Operation	EIA	Traffic
Traffic Safety	Slightly Positive	Split	SEA	Traffic
Trash	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
User Effects (lower travel times)	Positive	Operation	CBA	Traffic
Vibrations	Moderately negative (Significantly negative – none)	Both	SEA	Environmental Effects

2. Combined Impacts and Codes

Type	Effect	Phase	Document	Criteria
Protected Cultural Heritage	Significantly Negative	Both	SEA	Conservation
Protected Areas	Significantly Negative	Both	SEA	Conservation
Archeological Sites	Significantly Negative (None – Significantly Negative)	Establishment	SEA	Conservation
Landscape Appearance	Moderately Negative Mixed (Sig.Neg – Mod-Post	Both	EIA SEA	Conservation
Establishment Costs	Moderate Negative	Establishment	CBA	Economic Effects
Operational Costs	Small Negative	Operation	CBA	Economic Effects
Sale of Land	Large Positive	Operation	CBA	Economic Effects
Material Good	Small Negative (None-Moderate)	Establishment	EIA	Economic Effects
Experience- and Tourism Infrastructure	Mixed (Significantly Negative – Significantly Positive)	Split	SEA	Economic Effects
Sailing Nautical Conditions	Significantly Negative Moderately Negative	Both (Establishment)	SEA EIA	Economic Effects
Housing and business	Significant positive	Operation	SEA CBA	Economic Effects
Contaminated Soil	Small Negative	Both	EIA	Environmental Effects
Benthic Fauna	Moderately Negative (None – Significantly Negative)	Establishment	SEA EIA	Environmental Effects

Benthic Vegetation	Small (None – Moderately Negative)	Establishment	SEA EIA	Environmental Effects
Flora and Fauna	Moderately Negative (None – Significantly Negative)	Both (Establishment)	SEA	Environmental Effects
Birds	Small (insignificant in SEA).	Both (Establishment)	EIA	Environmental Effects
Geology and Ground Water	Small	Both	EIA	Environmental Effects
Ocean Floor Sediment	Small (None – Moderately Negative)	Establishment	SEA EIA	Environmental Effects
Maritime Mammals	Small	Establishment	EIA	Environmental Effects
Ocean Water Quality	Small (None – Moderately Negative)	Both (Establishment)	SEA EIA	Environmental Effects
Vibrations	Moderately Negative (Significantly negative – none)	Both (Establishment)	SEA	Environmental Effects
Groundwater	Moderately Negative (None – Significantly Negative)	Establishment	SEA	Health and Wellbeing
Population and human's health	Small Negative	Both	EIA	Health and Wellbeing
External Effects (noise and air pollution)	Small Positive	Operation	CBA	Health and Wellbeing
Air Quality	Small Negative	Both	EIA SEA	Health and Wellbeing
Noise	Moderately negative (Significant negative – Moderately positive)	Both (Establishment)	SEA EIA	Health and Wellbeing

Recreative Areas	Mixed (Significant negative – significant positive)	Both (Operation)	SEA	Health and Wellbeing
Trash	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
Energy Use	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
Climate	Small Negative Significantly Negative Moderately Negative	Establishment	CBA SEA EIA	Resource Use
Raw Materials	Significantly Negative / Moderately Negative	Split	SEA	Resource Use
Other Infrastructure	Mixed (Significantly Negative – Significantly Positive)	Split	SEA	Traffic
User Effects (lower travel times)	Large Positive	Operation	CBA	Traffic
Capacity Challenge (Transport Networks)	Small Positive	Operation	CBA	Traffic
Traffic Safety	Small Positive	Split	SEA	Traffic
Traffic Conditions	Small Negative (None – Significantly Negative)	Operation	EIA	Traffic