

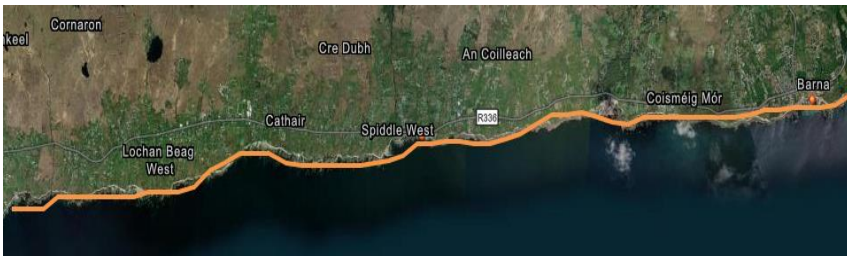
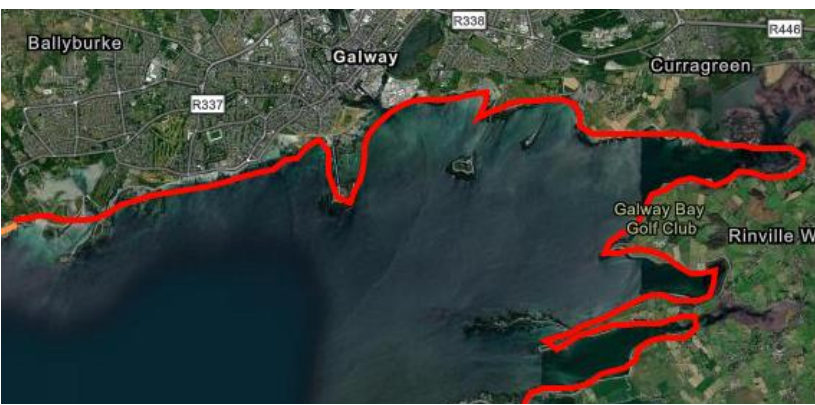

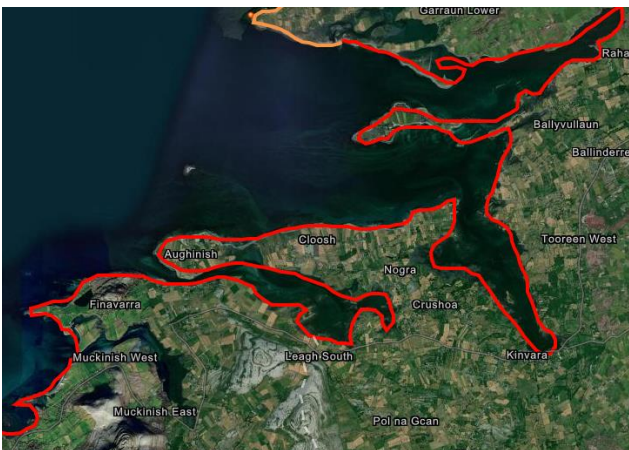







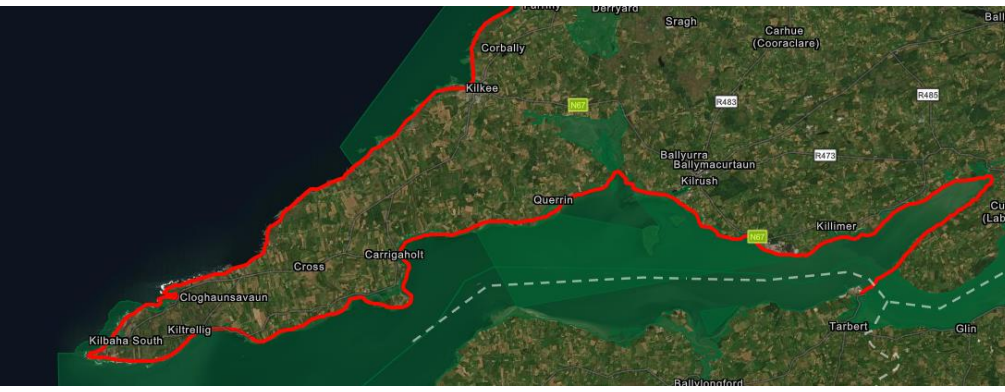




APPENDIX 3-1
COASTAL SCREENING REPORT

Coastal Section ID	1	2	3	4	5	6	7
Coastal Section Extent	Cross Patrick to Rinn	Rinn to Teachmor East	Teachmor East to Barna	Barna to Tawin	Tawin to Inishcorra	Inishcorra to Bishops Quarter Beach	Bishops Quarter Beach to Doolin Pier Point
							
OFFSHORE							
Technical Constraints	Shallow bathymetry in channels between islands/rocky outcrops - challenge for installation/vessel access. Seabed made up of exposed rock and some mixed sediments, depths unknown - burial likely limited or not possible, requiring external remediation. Cliffs along large extents of coastline - necessitates trenchless technology.	Approximately 300 - 500m to reach 10m water depth contour - reasonable vessel access. Seabed exhibits exposed rock and unclassified substrate near the coastline - burial likely limited or not possible requiring external remediation. Cliffs/rock/reef along large extents of coastline - likely to necessitate trenchless technologies.	Approximately 300 - 500m to reach 10m water depth contour - reasonable vessel access. Seabed exhibits exposed rock across large extents of coastline - burial likely limited or not possible. Rock/reef along large extents of coastline with some sandy beaches (likely to have limited sediment cover) - trenchless technologies likely required.	Very shallow approach - 10 m water depth contour up to approximately 8 km from coastline heading directly East. Areas of exposed rock coarse sediment and mud to muddy sand. Likely to be less sediment available for protection on approaches to coastline. Cliffs along large extents of coastline - necessitates trenchless technologies.	~700 - 1000 m distance to 10 m contour. Exposed rock out to ~400-500 m from coastline. Coarse sediments and sands present. Cliffs along large extents of coastline - necessitates trenchless technologies.	Very shallow approach - 10 m contour up to ~7 km from coastline heading directly East. Areas of exposed rock coarse sediment and mud to muddy sand. Likely to be less sediment available for protection on approaches to coastline. Cliffs along large extents of coastline - necessitates trenchless technologies.	Large extents of coastline with 10 m water depth <500 m from coastline - reasonable vessel access. Seabed exhibits mud to muddy sand and exposed rock exposed rock close to shore (~<500 m) - burial likely limited or not possible in nearshore areas. High cliffs (40 m+) along large extents of coastline - too high for HVAC trenchless technology operations (typically limited to 20-25m elevation).
Designated Sites	Overlaps Kilkieran Bay And Islands SAC - designated for Annex 1 habitats including: mudflats, coastal lagoons, inlets/bays, reefs, salt meadow, machairs, Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletia uniflora and/or Isoeto-Nanojuncetea, lowland hay meadows. Additionally designated for Annex II Species including: otter & harbour seal. Slyne Head To Ardmore Point Islands SPA adjacent to west side of coastal section. SPA designated for breeding tern and wintering geese. A number of pNHAs located around the coastline.	No constraints identified	No constraints identified	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. However, at this section of coast the interaction with the SAC is minimised. Overlaps Inner Galway Bay SPA (wintering and breeding birds). However, at this section of coast the interaction with the SAC is minimised. A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Black Head-Poulsallagh Complex SAC designated for Annex 1 habitats including: Reefs, vegetated stony banks, alpine/boreal heaths, grasslands, hay meadow, springs, limestone pavements, sea caves and petalwort. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.
Benthic Habitats	Ospar threatened/ declining Maerl / Zostera Bed habitats surround coastline. Reef habitats mapped around coastline (potentially Annex I).	Unidentified Ospar threatened/ declining habitats surround coastline	No constraints identified	Reef habitats mapped around coastline (potentially Annex I)	Ospar threatened/ declining Maerl Bed habitats surround coastline Reef habitats mapped around coastline (potentially Annex I)	Ospar threatened/ declining Maerl Bed habitats surround coastline Reef habitats mapped around coastline (potentially Annex I)	Reef habitats mapped around coastline (potentially Annex I)
Other Sea Users	No constraints identified	Rossaveel Harbour limits within bay.	Wave Galway Bay 1/4 Scale Test Site Cable Route landfalls at spiddal pier	Within Galway Harbour limits Iris cable running to Galway City. Dredging dump site to north of coastline	Galway Harbour limits to north of section.	No constraints identified	No constraints identified
Marine Archaeology	No constraints identified	No constraints identified	No constraints identified	A wreck site is present at Silver Strand Beach (logboat), 3 wreck sites located 1km south of Silver Strand Beach.	No constraints identified	No constraints identified	1 wreck site at Blackhead bay. One wreck site at Doolin.
Commercial Fisheries	Extensive pot fishing and net fishing. Smaller areas of dredge fishing.	Dredge Net and Pot fishing	Dredge, Net, pot and bottom trawl fishing	Extensive net and pot fishing. Areas of dredge fishing at Ballinderreen coast.	Extensive net and pot fishing.	Extensive net and pot fishing.	Extensive areas of pot, bottom trawl and net fishing along coast. Discrete areas of dredge fishing.
Aquaculture Sites	Many aquaculture sites around this section of coastline	No constraints identified	No constraints identified	No constraints identified	Many aquaculture sites surrounding Ardfrý Castle- mainly shellfish	Many aquaculture sites surrounding Ballinderreen coastline - mainly shellfish	No constraints identified
Shipping and Navigation	Low overall shipping density. Slightly elevated shipping density on approach to Lehenagh	Overall moderate shipping density associated with Rossaveel harbour limits	Very Low overall shipping density.	Moderate shipping density on route to Galway Harbour	Moderate shipping density on route to Galway Harbour.	Very Low overall shipping density.	Low to moderate shipping density of ships transiting across coastal stretch to Galway.
Overall Offshore Estimate of Risk for Coastal Section	High	Moderate	Moderate	High	Moderate	High	High
ONSHORE							
Technical Constraints	Distance from Grid	Distance from Grid	Large length of onshore cabling required for connection into Cashla Power Station, approx. 30km. Connection to Cashla will require finding a route through Galway City & over (or under) the Corrib River.	Distant from any sizable road network, the local road network comprises single lane carriageways in the immediate vicinity of the landfall.	Distant from any sizable road network, the local road network comprises single lane carriageways in the immediate vicinity of the landfall.	Distance from Grid	Distant from any sizable road network, the local road network comprises single lane carriageways in the immediate vicinity of the landfall.
Designated Nature and Geological Conservation Sites (SAC SPA, NHA, pNHA)	Overlaps Kilkieran Bay And Islands SAC - designated for Annex 1 habitats including: mudflats, coastal lagoons, inlets/bays, reefs, salt meadow, machairs, Oligotrophic to mesotrophic standing waters with vegetation of the Littorelletia uniflora and/or Isoeto-Nanojuncetea, lowland hay meadows. Additionally designated for Annex II Species including: otter & harbour seal. Slyne Head To Ardmore Point Islands SPA adjacent to west side of coastal section. SPA designated for breeding tern and wintering geese. A number of pNHAs located around the coastline.	No constraints identified	No constraints identified	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.	Overlaps Galway Bay Complex SAC designated for Annex 1 habitats including: Mudflats, lagoons, shallow inlets and bays, reefs, vegetation of stony banks, vegetated sea cliffs, salt meadow, turloughs, grasslands, calcareous / alkaline fens, limestone pavement and Annex II otter and harbour seals. Overlaps Black Head-Poulsallagh Complex SAC designated for Annex 1 habitats including: Reefs, vegetated stony banks, alpine/boreal heaths, grasslands, hay meadow, springs, limestone pavements, sea caves and petalwort. Overlaps Inner Galway Bay SPA (wintering and breeding birds) A number of pNHAs located around this coastline.
Landscape & Visual Amenity (Local Council Designations)	Landscape Class 3/4	Landscape Class 3	Landscape Class 3	Landscape Class 3/4	Landscape Class 4	Landscape Class 3/4	Heritage Landscape and Scenic Route
Ecological Constraints	Article 17 -Large Shallow Inlets and Bays,Tital Mudflats, Wet heath, Mediterranean Salt Meadows	Article 17 -Large Shallow Inlets	Article 17 -Large Shallow Inlets and Bays, Tital Mudflats, Wet heath, Atlantic Salt Meadows	Article 17 -Large Shallow Inlets and Bays, Tital Mudflats	Article 17 -Large Shallow Inlets and Bays, Tital Mudflats	Article 17 -Large Shallow Inlets and Bays, Tital Mudflats	Article 17 -Dry Heath and Limestone Pavement
Proximity to Residential Receptors (<100 m)	High	High	High	High	Low	Medium/High	Medium
Archaeology and Cultural Heritage (National Monuments and NIAH Sites)	Approximately 115 National Monuments along coastline. Approximately 8 NIAH Sites along coastline.	Approximately 25 National Monuments along coastline. Approximately 5 NIAH Sites along coastline.	Approximately 8 National Monuments along coastline. Approximately 4 NIAH Sites along coastline.	Approximately 32 National Monuments along coastline. Approximately 24 NIAH Sites along coastline.	Approximately 5 Recorded Monuments along coastline - (trenchless technologies would need to avoid). Approximately 1 NIAH Sites along coastline.	Approximately 28 Recorded Monuments along coastline. Approximately 14 NIAH Sites along coastline.	Approximately 15 National Monuments along coastline. Approximately 2 NIAH Sites along coastline.
Forestry (Ancient & Native Woodland)	No constraints identified	no constraints identified	Small areas of Ancient Woodland, can be avoided	No constraints identified	no constraints identified	No constraints identified	no constraints identified
Hydrology (River and Surface Water Flood Risk)	Various small streams that flow into surrounding waters/coast. Some have connectivity to inland lakes. Sufficient distance from coast.	Various small streams that flow into surrounding waters/coast. Some have connectivity to inland lakes. Sufficient distance from coast.	Various small streams that flow into surrounding waters/coast. Some have connectivity to inland lakes.	A few small streams that flow into surrounding waters/coast. Some have connectivity to inland lakes. Sufficient distance from coast.	Some small lakes/loughs adjacent to coast	Some small lakes/loughs adjacent to coast	A few small streams that flow into surrounding waters/coast, main one near Fanore and Doolin Pier, where the Aille River flows into Atlantic. Some watercourses have connectivity to inland lakes. Sufficient distance from coast.
Tourism and Recreation (PRoWs attractions and recreational areas)	Connemara Coast , part of Ireland's Wild Atlantic Way. High tourism	Connemara Coast, part of Ireland's Wild Atlantic Way. High tourism	Connemara Coast, part of Ireland's Wild Atlantic Way. High tourism. Beaches are popular for residents, tourists and population along Wild Atlantic Way	High tourism. Beaches are popular for residents, tourists and population along Wild Atlantic Way	no constraints identified	High tourism. Beaches are popular for residents, tourists and population along Wild Atlantic Way	The Burran is a popular tourist location, beaches are popular for residents, tourists and population along Wild Atlantic Way.
Land Use	Agriculture/Bogland	Agriculture/Bogland	Agriculture/Bogland	Agriculture	Agriculture	Agriculture	Agriculture/Bogland/Limestone environment (the Burran)
Overall Onshore Estimate of Risk for Coastal Section	High	Moderate	Moderate	High	Moderate	High	High
Summary							
Overall Combined Risk	High	Moderate	Moderate	High	Moderate	High	High
Commentary:	Technically challenging both onshore (distance from grid) and offshore (shallow bathymetry in the nearshore and limited potential for burial). Cliffs along large extent of coastline necessitate trenchless technology. Numerous marine and terrestrial designated sites, aquaculture, cultural heritage assets and at close proximity to receptors- overall high risk	Environmental constraints limited, however technical challenges offshore (hard substrates and limited potential for burial) and onshore (distance to grid). Cliffs/rock/reef along large extents of coastline are likely to necessitate trenchless technology - overall moderate risk	Environmental constraints limited, however technical challenges offshore (hard substrates and limited potential for burial) and onshore (30km distance to grid requiring routing through Galway). Trenchless technologies likely required due to presence of rock/reef - overall moderate risk	Technically challenging offshore (shallow bathymetry in the nearshore and limited potential for burial). Cliffs along large extent of coastline necessitate trenchless technology. Onshore location distant from sizeable road network. Highly constrained by marine and terrestrial designated sites giving high consenting risk - overall high risk	Offshore potential for exposed rock in the nearshore and shallow bathymetry. Some sandy/ coarse sediment and some cliffs (cable laying may be viable in areas offshore, trenchless technology would be required to bring cable ashore). Onshore location distant from sizeable road network. Overlaps marine and terrestrial environmental designated sites However, at this section of coast the interaction with the SAC is minimised. Onshore residential receptors are limited, and tourism is low - overall moderate risk.	Technically challenging offshore (shallow bathymetry in the nearshore and limited potential for burial). Cliffs along large extent of coastline necessitates trenchless technologies. Technically challenging onshore due to distance from grid. Highly constrained by environmental marine and terrestrial designated sites - overall high risk.	High cliffs 40m+ potentially unfeasible for trenchless technology. Technical challenges offshore, burial likely limited or not possible. Challenging technically onshore as distant from sizeable road networks, overlaps many marine and designated sites, sensitive habitat receptors - overall high risk

Coastal Section ID	8	9	10	11	12	13	14
Coastal Section Extent	Doolin Pier Point to Lahinch	Lahinch to Breaffa South	Breaffa South to White Strand Bay	White Strand Beach to Cor Na Ron East	Cor Na Ron East to Goleen Bay	Goleen Bay to Derrynadivva	Derrynadivva to Clonderlan
							
OFFSHORE							
Technical Constraints	Large extents of coastline with 10 m water depth <500 m from coastline, steep gradient between 10-40 mLAT. Lower elevations to the south of zone, however seabed exhibits large extents of exposed rock with burial likely limited or not possible in nearshore areas. Significant cliff heights (30 m - 150 m +) along large extents of coastline - too high for HVAC trenchless technology operations (typically limited to 20-25m elevation).	Large extents of coastline with 10 m water depth <500 m from coastline, gentle global gradient. Seabed exhibits areas of exposed rock and sand. Large extents of unclassified substrate in the nearshore, risk of exposed rock on the approach and limited or no burial. Some shallow cliffs (10-15 m) and some sandy beaches.	Large extents of coastline with 10 m water depth <800 m from coastline, gentle global gradient. Large extents of unclassified substrate in the nearshore, risk of exposed rock on the approach and limited or no burial. Some shallow cliffs (10-15 m) and some sandy beaches.	Large extents of coastline with 10 m water depth <500 m from coastline, steep gradient between 10-30 mLAT. Seabed exhibits exposed rock along coastline (<600 m extent) - limited or no burial. Mostly shallow cliffs (10-15 m) with one sandy beach identified.	Large extents of coastline with 10 m water depth <500 m from coastline, steep gradient between 10-50 mLAT. Large extents of unclassified substrate in the nearshore with large extents of exposed rock offshore, risk of exposed rock on the approach and limited or no burial. Mostly cliffs (up to 40 m+) with sandy inlets identified.	Large extents of coastline with 10 m water depth <500 m from coastline, steep gradient between 10-50 mLAT. Large extents of unclassified substrate in the nearshore with large extents of exposed rock offshore, risk of exposed rock on the approach and limited or no burial. Mostly cliffs (up to 40 m+) potentially too high for HVAC trenchless technology.	Large extents of coastline with 10 m water depth <500 m from coastline, gentle global gradient. Seabed largely mixed sediment and sand - potential for burial along the route (although risk from external aggressors is heightened in a channel). Some unclassified substrates in the nearshore, risk of exposed rock on the approach and limited or no burial for short sections. Some shallow cliffs (5-15 m) and some sandy/gravelly beaches.
Designated Sites	Overlaps Cliffs of Moher SPA/pNHA at north of coastal section designated for breeding seabird species and permanent chough/ falcone. Overlaps Inagh River Estuary SAC/pNHA at Lahinch designated for Annex I habitats including annual colonising mud/ sands, shifting / fixed dunes and salt meadow. Areas of the coastal section do not overlap any designations.	No constraints identified.	Whole coastal section overlaps Carrowmore Point To Spanish Point And Islands SAC/pNHA, designated for Annex I habitats including: coastal lagoons, reefs, vegetated stony banked and petrifying springs. Whole coast overlaps with Mid-Clare Coast SPA (breeding/wintering birds)	West section of the coastal stretch overlaps with Mid-Clare Coast SPA (breeding/wintering birds).	Whole coastal section overlapped by Kilkee Reefs SAC designated for Annex I habitats including reefs, large inlets and bays and sea caves. Southern coastal extent at close proximity to Illaunonearaun SPA/ NHA (designated for barnacle goose) Farrihy Lough pNHA at coast (north)	No constraints identified.	Whole coastline overlaps Lower River Shannon SAC (benthic habitats, dolphin, otter & fish species) Majority of coastline overlaps River Shannon and River Fergus Estuaries SPA (wintering birds) A number of discrete pNHAs around coastlines
Benthic Habitats	No constraints identified	No constraints identified.	Reef habitats mapped around coastline (potentially Annex I)	No constraints identified.	Reef habitats mapped around coastline (potentially Annex I)	No constraints identified.	Reef habitats mapped around coastline (potentially Annex I)
Other Sea Users	No constraints identified	No constraints identified.	Saoirse - Wave Energy project, pre-app stage (SBE) 5km offshore from landfall	Saoirse - Wave Energy project, pre-app stage (SBE) 5km offshore from landfall	ESB Westwave Project (consented) situated 4km off north coastal section. Status of project unknown.	No constraints identified.	Unidentified proposed cable runs through estuary south of coastline. Shannon Harbour Limits overlaps coastal section A number of dredge disposal/ dumping grounds to west of coastal section.
Marine Archaeology	1 wreck site at Lahinch.	No constraints identified.	5 wreck sites located along this coastal section	No constraints identified.	1 unknown wreck recorded off Farrihy Bay .	No constraints identified.	6 wreck sites located along this coastal section
Commercial Fisheries	Extensive areas of pot, bottom trawl and net fishing along coast. Discrete areas of dredge fishing.	Net and Pot fishing along coastal section	Net and Pot, Bottom Trawl fishing along coastal section	Net and Pot, Bottom Trawl fishing along coastal section	Pot and Net fishing along coastal section	Pot and Net fishing along coastal section	Pot and Net fishing along coastal section
Aquaculture Sites	No constraints identified	No constraints identified.	No constraints identified.	No constraints identified.	No constraints identified.	No constraints identified.	Large number of larger shellfish (Oyster) aquaculture sites within estuary
Shipping and Navigation	Very low-density shipping to south of coastal section. Moderate to high density shipping at Doolin Pier Port due to ferry crossing to Inishmaan and Inis Orr Islands.	Very Low overall shipping density.	Very Low overall shipping density.	Very Low overall shipping density.	Very Low overall shipping density.	Very Low overall shipping density.	Moderate to high density shipping within estuary associated with Shannon Harbour limits and Money Point Power station.
Overall Offshore Estimate of Risk for Coastal Section	High	Moderate	High	Moderate	High	High	High
ONSHORE							
Technical Constraints	No constraints identified	Distance from Grid, but close proximity to sizable road network,	Distance from Grid, but close proximity to sizable road network,	Distance from Grid, but close proximity to sizable road network,	Distance from Grid, but close proximity to sizable road network,	Distance from Grid, but close proximity to sizable road network,	No constraints identified
Designated Nature and Geological Conservation Sites (SAC SPA, NHA, pNHA)	Overlaps Cliffs of Moher SPA/pNHA at north of coastal section designated for breeding seabird species and permanent chough/ falcone. Overlaps Inagh River Estuary SAC/pNHA at Lahinch designated for Annex I habitats including annual colonising mud/ sands, shifting / fixed dunes and salt meadow. Areas of the coastal section do not overlap any designations.	No constraints identified.	Whole coastal section overlaps Carrowmore Point To Spanish Point And Islands SAC/pNHA, designated for Annex I habitats including: coastal lagoons, reefs, vegetated stony banked and petrifying springs. Whole coast overlaps with Mid-Clare Coast SPA (breeding/wintering birds)	West section of the coastal stretch overlaps with Mid-Clare Coast SPA (breeding/wintering birds).	Whole coastal section overlapped by Kilkee Reefs SAC designated for Annex I habitats including reefs, large inlets and bays and sea caves. Southern coastal extent at close proximity to Illaunonearaun SPA/ NHA (designated for barnacle goose) Farrihy Lough pNHA at coast (north)	No constraints identified.	Whole coastline overlaps Lower River Shannon SAC (benthic habs, dolphin, otter & fish species) Majority of coastline overlaps River Shannon and River Fergus Estuaries SPA (wintering birds) A number of discrete pNHAs around coastlines
Landscape & Visual Amenity (Local Council Designations)	Heritage Landscape	Heritage Landscape	Heritage Landscape	Heritage Landscape	Heritage Landscape and Scenic Route	Heritage Landscape and Scenic Route	Heritage Landscape and Scenic Route
Ecological Constraints	Article 17 -Large Shallow Inlets and Bays	Article 17 -Molina Meadows	Article 17 - Fixed Dunes, Tidal Mudflats, Large Shallow Inlets and Bays, Estuaries	Article 17 - Dry heath	No constraints identified	Article 17 - Dry heath and Large Shallow Inlets (minor occurrence)	Article 17 - Large Shallow Inlets and Bays and Estuaries
Proximity to Residential Receptors (<100 m)	Medium/High	Medium/High	Medium	Low	Low/Medium	Low	Low/Medium
Archaeology and Cultural Heritage (National Monuments and NIAH sites)	Approximately 10 National Monuments along coastline. Approximately 2 NIAH Sites along coastline.	Approximately 9 National Monuments along coastline.	Approximately 17 National Monuments along coastline. Approximately 3 NIAH Sites along coastline.	Approximately 6 National Monuments along coastline.	Approximately 21 National Monuments along coastline. Approximately 3 NIAH Sites along coastline.	Approximately 20 National Monuments along coastline. Approximately 3 NIAH Sites along coastline.	Approximately 18 National Monuments along coastline. Approximately 6 NIAH Sites along coastline.
Forestry (Ancient & Native Woodland)	No constraints identified	No constraints identified	No constraints identified	No constraints identified	No constraints identified	No constraints identified	Small areas of Ancient Woodland, can be avoided
Hydrology (River and Surface Water Flood Risk)	Various small streams that flow into surrounding waters/coast. Inagh River flows into Atlantic	Various small streams that flow into surrounding waters/coast.	Various small streams that flow into surrounding waters/coast. Donnell Lough adjacent to coast, north of Carrowmore Point.	A few small streams that flow into surrounding waters/coast. Sufficient distance from coast.	A few small streams that flow into surrounding waters/coast. Some have connectivity to inland lakes. Carrowneweelaun River flows into Goleen Bay	One small stream that flows into surrounding waters/coast	A few small streams that flow into the Shannon Estuary. Some have connectivity to inland lakes. Carrowneweelaun River flows into Goleen Bay
Tourism and Recreation (PRoWs attractions and recreational areas)	Doolin popular tourist location, beaches are popular for residents, tourists and population along Wild Atlantic Way. Cliffs of Moher tourist attraction	Lahinch popular tourist location, beaches are popular for residents, tourists and population along Wild Atlantic Way	Spanish Point popular tourist location, beaches are popular for residents, tourists and population along Wild Atlantic Way.	Doonbeg Golf Course, recreational and tourist area. Wild Atlantic Way.	Kilkee popular tourist location, beaches are popular for residents, tourists and population along Wild Atlantic Way	No constraints identified	Recreational activities along the Shannon Estuary. Popular town of Kilrush.
Land Use	Agriculture	Agriculture	Agriculture/Recreational	Agriculture	Agriculture	Agriculture	Agriculture
Overall Onshore Estimate of Risk for Coastal Section	Moderate	Moderate	High	Moderate	High	Moderate	High
Summary							
Overall Combined Risk	High	Moderate	High	Moderate	High	High	High
Commentary:	High cliffs 30m + potentially unfeasible for trenchless technology. Technical challenges offshore, burial likely limited or not possible and steep gradients in the nearshore. Onshore technically feasible, areas of coast overlaps marine and designated sites however some areas do not - overall high risk.	Offshore potential for exposed rock in the nearshore and limited burial. Some sandy beaches and some cliffs, may be viable in areas, otherwise trenchless technologies would be required), onshore technical challenges due to distance from grid, limited marine and onshore environmental challenges - overall moderate risk.	Offshore potential for exposed rock in the nearshore and limited burial. Some sandy beaches and some cliffs (trenched landfall may be viable in areas, otherwise trenchless technologies would be required), limited onshore technical challenges, however high environmental risks as coastal section overlaps sensitive marine/ terrestrial designated sites- overall high risk.	Offshore technically challenging (burial likely limited or not possible and steep gradients in the nearshore). Mostly shallow cliffs (10-15 m) with one sandy beach identified (trenched landfall may be viable in areas, otherwise trenchless technologies would be required), onshore technical challenges due to distance from grid, overlaps moderately sensitive marine and terrestrial environmental designated sites and habitats - overall moderate risk.	Offshore potential for exposed rock / steep slopes in the nearshore and limited burial. Cliffs along large extent of coastline necessitate trenchless technology - may be limited by cliff heights -however potential for trenched solution in sandy inlets. Onshore technically feasible, however high environmental risks as coastal section overlaps sensitive marine/ terrestrial designated sites - overall high risk.	Offshore potential for exposed rock / steep slopes in the nearshore and limited burial. Cliffs along large extent of coastline necessitate trenchless technologies - may be limited by cliff heights. Onshore technically feasible, limited environmental constraints- overall high risk	Technically feasible offshore and onshore due to potential for burial, options to perform trenchless technologies and proximity to grid. However, overlaps very sensitive environmental designations (marine and terrestrial), increase shipping and lots of aquaculture sites - overall high risk