Marine Construction Works/Land Reclamation/Beach Replenishment in the Territorial Sea and Controlled Waters Adjacent to Northern Ireland

Marine Licensing

Important: before completing this form, please read these notes carefully.

The following numbered paragraphs correspond to the questions on the application form and are intended to assist applicants in completing the form. These explanatory notes are specific to this application and so applicants are advised to read these in conjunction with the General Marine Licensing Guidance document. However it may be that these notes do not fully cover all the questions that you may have. If further clarification is needed please telephone us on

028 90569247 or email

MarineLicensingTeam@daera-ni.gov.uk

For fees categories please see Marine Licensing Fees Addendum

For further Guidance please refer to Marine Licensing Guidance for Applicants

EXPLANATORY NOTES

2. Applicant

The person, company or organisation making the application. (The licensee(s) may be any of the following, the contractor actually carrying out the construction work, the applicant and possibly other bodies involved).

3. Agent

Any person, company or organisation acting on behalf of the applicant. They may be acting under contract (or other agreement) on behalf of any party listed in the answer to question 2, and have responsibility for the control; management or physical deposit of materials anywhere below the tidal limit of the mean high water springs (MHWS). (e.g. A consultancy company submitting the application or a contractor who will be carrying out the works.)

4. Duration of project

Details of the proposed commencement and completion dates of the works.

A licence is normally valid for 1 calendar year or the duration of the works (whichever is longer) but not normally exceeding 3 years. After this period, it will be necessary for licence holders to re-apply for a further licence to continue any ongoing works. It is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

5. Description and Cost of the Proposed Project

(a) This estimate should cover only works taking place below the tidal level of Mean High Water Springs (MHWS) and should take into consideration the cost of materials, labour, fees etc.
(b) Where the project is expected to take longer than 1 calendar year, this description must detail which elements of work are to be undertaken in the first 12 months, with an outline of the schedule for each further 12 month period of work. (The method of work etc. should be described in the answer to question 7.)
(c) Select the options which most appropriately describe the type of work proposed. Where the project involves a number of elements, please tick each relevant box.

6. Location of Works

Include a list of the latitude and longitude co-ordinates of the boundary points of the proposed project. In a few cases, (e.g. laying of long pipelines) it may only be practicable to supply co-ordinates for the start and end points.

Latitude and Longitude: For positions read from charts of 1:25,000 scale or smaller, the format should be e.g. **55^0 55'.5N 2^0 22'.2W**. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If appropriate, map co-ordinates from the Irish Grid used by the Ordnance Survey Northern Ireland may be used, to a 6 figure grid reference.

It is important that the correct positions are included with this application, as any errors may result in the application being refused or delayed.

To supplement the information given in section 6, Department of Agriculture, Environment and Rural Affairs (DAERA) Marine and Fisheries Division requires the following to be provided with the completed application form:

- A suitably scaled extract from an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which should be marked to indicate
    - The full extent of the works in relation to the surrounding area;
    - Latitude and longitude (or 6 figure IGR) co-ordinates defining the area of operation;
    - The level of Mean High Water Springs (MHWS)
    - Any adjacent Special Area of Conservation (SAC), Area of Special Scientific Interest (ASSI), Special Protection Area (SPA)/RAMSAR or similar conservation area boundary.

DAERA Marine and Fisheries Division will require copies of all documents to be provided for dissemination to others as part of the consultation process. Normally **one** copy of the maps/drawings will be required, if there are ancillary copies required, DAERA Marine and Fisheries Division will advise the applicant accordingly. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.** Alternatively maps/drawings can be sent electronically by email.

- **Sewer outfalls, discharge pipes for storm overflow and industrial waste etc.** The size and description of the pipe should be shown on the longitudinal sections and also details of any supports, foundations, methods of jointing and details of any tidal flaps.

- **Bridges over tidal waters:** an elevation with longitudinal and cross-sections of the bridge to a suitable scale should show the dimensions of the spans and width of piers, etc. above and below MHWS and the maximum and minimum heights of the undersides of the superstructures above MHWS. The headroom above MHWS and the width of span of the nearest bridges, if any, above and below the site should be stated.

- **Tunnels under tidal waters:** the longitudinal section of the tunnel should show the distances between the bed of the river or estuary and the top of the tunnel. Cross-sections should show the internal and external dimensions of the tunnel and particulars of construction. When a proposed future dredging level is known this must also be shown on all sections.

- **Overhead cables:** catenaries must be supplied in addition to the site plan showing the minimum clearance of the cable at MHWS and the electrical clearance allowed.

- **Marine Aquaculture:** proposals for fish farming and shellfish growing are subject to different procedures (refer to The Marine Licensing (Exempted Activities) Order (Northern Ireland) 2011).

The applicant should note that if the drawings/plans are subject to copyright, **it is the responsibility of the applicant to obtain the necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

7. Method Statement

Please provide a full method statement, including details of any temporary structures that may be required below MHWS during the works, and the ultimate fate of the structure and material used in its construction. Details of these structures will be included in any licence that may be issued.

Proposed measures to ensure the marine environment is adequately safeguarded during the work should also be described (e.g. the method to be adopted to ensure that the loss of fine grained material is minimised during construction), as should those taken to minimise any interference with other uses of the sea or foreshore.

8. Permanent Deposits

(a) Tick the appropriate box (es) to indicate all materials to be deposited below MHWS. If you propose using types of materials for which a specific box is not provided, please describe the nature of such material in the box marked “other”.
(b) If any of the materials to be placed below MHWS are to be brought to the site by sea, give details of the material, e.g. clean rock, and average particle size. Also indicate the vessels to be used, a chart showing the proposed vessel route to the site of the works and details of any trans-shipment areas i.e. where material may be off-loaded to smaller vessels or barges for transport inshore to the site of the works.
(c) Where the proposed works involve beach replenishment or land reclamation, additional information is required about the material to be deposited and method of delivery. The description of material must include details of its chemical quality. Where the material has not been chemically analysed, DAERA Marine

and Fisheries Division may request representative samples for analysis or require the applicant to arrange for analyses to be undertaken before the licence can be determined.

9. Temporary Deposits

If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (Latitude/Longitude) should be added to section 6 of the form, and the period of time the site will be used must be provided. If issuing a licence, DAERA Marine and Fisheries Division will include on the document details of any area that has been approved as a temporary deposit site.

10. Dredging

Indicate whether you are proposing to dredge as part of the works. A separate section of the Marine Licence may be required. The granting of the construction section of the Marine Licence does not imply that the dredging section of the Marine Licence will also be granted, as different assessment criteria are used to determine each type of application.

11. Disposal of material at sea

Indicate whether you are proposing to dispose of any excess material arising from the construction work at sea. A separate section of the Marine Licence may be required. The granting of the construction section of the Marine Licence does not imply that the sea disposal section of the Marine Licence will also be granted, as different assessment criteria are used to determine each type of application.

12. Planning

If the application is subject to planning permission, please give relevant details, including planning reference number, if planning has been approved/rejected and attached a copy of the environmental statement if appropriate.

13. Statutory Consenting Powers

Please describe what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

14. Consultation

(a) Have the public been invited to comment on these proposals? if so to whom and what was the closing date

(b) Have any consultation meetings been held with the public/other bodies? If so where and when?

15. Consultation with Conservation Bodies

Consenting authorities have a duty to ensure that any works will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. ASSIs/SAC, SPA/RAMSAR sites etc) listed under The Conservation (Natural Habitats, etc.) (Amendment) Regulations (Northern Ireland) 2007. If the applicant (particularly if they have statutory powers for consenting aspects of these works) has already been in consultation with the appropriate nature conservation body – NIEA, Natural Environment Division, please supply any response that they may have given.

Any application for beach replenishment works should be cross checked as to whether the proposed site is a designated bathing water site and if so, ideally all physical works should be done outwith the Bathing Water Season (1st June to 15th September). Further guidance on the Bathing waters Directive (76/160/EEC) can be obtained from http://www.ni-environment.gov.uk/water-home/quality/bathingqualityni.htm

In addition, guidance can be obtained from www.foodstandards.gov.uk/ with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

16. Designated Conservation Areas

Indicate whether the proposed works are located within or close to the boundaries of a conservation area such as an ASSI, SAC, SPA or Ramsar Site.

17. Environmental Assessment

Please indicate whether any environmental assessments have been carried out in respect of the proposed works, either under your own powers or as required by another authority. If such an assessment has been undertaken, please indicate if a copy has been provided with your application. If the statement/assessment has been completed but is not available, please provide an explanation in the space provided.

Additionally please also give details if and where a copy has been/ is being made available for public inspection.

Please ensure that you have:

- Completed **all** appropriate sections of the application form
- Signed and dated the declaration
- Provided the relevant documentation, charts and continuation sheets and
- Enclosed the correct payment (refer to fees addendum) or paid by means of BACS (if appropriate)

Otherwise your application will be delayed or returned to you
Marine and Coastal Access Act 2009 (Part 4 Marine Licensing)

Application for Marine Construction Works/Land Reclamation/Beach Replenishment in the Territorial Sea and UK Controlled Waters Adjacent to Northern Ireland

(Construction schemes including coast defences, beneficial uses of dredged materials, jetties, land reclamation, outfall pipes etc.)

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required

Under Part 4 (Chapter 5) of the Marine and Coastal Access Act 2009, information contained within or provided in support of this application will be placed on the public register unless DAERA Marine and Fisheries Division (as the licensing authority) approves the applicant's reasons for withholding all or part thereof.

Public Register

Is there any information contained within or provided in support of this application that you consider should not be included on the Public Register on the grounds that its disclosure:

a) would be contrary to the interests of national security	YES		NO	X
b) would prejudice to an unreasonable degree your or some other person's commercial interests or those of a third party?	YES		NO	X

If **YES,** to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

N/A

1. Project Title

Please give a brief identifiable description, including the location of the works.

Newry Southern Relief Road - Proposed Intrusive Investigation Works in Newry River.

The works will involve placing four boreholes within the tidal range of the Newry River, south of Newry City Centre (IGR 309360,323880). The boreholes will extend to an anticipated depth of around 55 to 65m below the river bed level (see Appendixes A & B).

The purpose of the ground investigation is to provide information on the superficial deposits and potential rock strata with the aim of informing bridge foundation design. The final depth of the boreholes may vary depending on the ground conditions encountered.

Ground conditions expected to be encountered during the ground investigation include:

- Potential made ground (reclaimed land) at river bed level;
- Soft and loose interbedded estuarine and alluvial clays, silts and sands extending to depths in excess of 20m;
- Dense sands and gravels;
- Stiff to very stiff glacial till at depth. These were recorded to depths in excess of 75m during the preliminary land based investigation.

The river channel where the boreholes are to be located is tidal in nature.
High tide ranges from approximately ~4mCD on a neap tide to approximately ~5.7mCD on a spring tide. At low tide, the river banks are partially exposed. The river bed profile is approximately trapezoidal in section, with site observations suggesting that river bank angles may be steeper on the east side of the river.

2. Applicant Details

Title	Initials	Surname
MR	A	LOUGHRAN

Address:	DfI Roads - Southern Division Marlborough House Central Way Craigavon BT64 1AO
Name of contact: (if different from above)	
Telephone number: (inc. code)	0300 200 7892
Email address:	Aloysius.Loughran@infrastructure-ni.gov.uk

3. Agent Details (if appropriate)

Title	MR	Initials	M	Surname	GILLESPIE

Trading Title (If different from above)	AECOM
Business Address:	The Studio, Cleaver House, 1-3 Donegall Square North, Belfast, BT1 5YE
Name of contact: (if different from above)	
Position within company (if appropriate)	ENVIRONMENTAL SCIENTIST
Telephone number: (inc. code)	028 9595 6310
Email address:	michael.e.gillespie@aecom.com
Company Registration No.	00880328

4. Duration of Project

Expected Start Date	15 Mar 2019	Expected Completion Date	30 Apr 2019

5. Description and Cost of the Proposed Project

(a) Estimated gross cost of the works proposed seawards of the tidal limit of the High Water Mean Spring Tide Mark

£300,000

(b) Give a detailed description of the proposed schedule of work

Four boreholes are proposed to be located within the Newry River Channel. These will extend to an anticipated depth of around 55m to 65m below the river bed level.

The boreholes will be drilled over the course of approximately 5 to 6 weeks from Mid March 2019.

Schedule of Works

Marine investigation works are anticipated to commence mid March 2019. An approximate works schedule is as follows *(note: no particular order is implied by the borehole numbers used):*

- *Accessing the site and set up: 1 day*
- *Borehole 1 drilling: 4 days*
- *Shift rig and plant to borehole 2: 1 day*
- *Borehole 2 drilling: 4 days*
- *Shift rig and plant to borehole 3: 1 day*
- *Borehole 3 drilling: 4 days*
- *Shift rig and plant to borehole 4: 1 day*
- *Borehole 4 drilling: 4 days*
- *Demobilising and egressing the site: 1 day*

Drilling techniques used to advance the boreholes will comprise cable percussion boring and rotary drilling. The purpose of the boreholes is to inform the design of foundations for a proposed crossing structure of the Newry River and canal.

Once drilling is complete the boreholes will be reinstated using a method that will minimise the impact on the marine environment.

Detail of the method of works is provided in the method statement.

If necessary please continue on a separate sheet and tick this box ☐

Types of Work Proposed

Coastal/Flood defences:	beach replenishment
	shoreline reinforcement
	flood defence
	sea defence
Slipways:	slipway
	causeway
	launching ramp
Miscellaneous:	habitat creation/replacement
	aquaculture (unless exempted)
	sea wall
	berms/wave screens
	artificial reef
	sea-lock
Harbour works:	dock wall/quay/wharf
Navigation works:	lock gates
	moorings (unless exempted)
	buoy/navigation mark (unless exempted**)**
	training wall/breakwater
Land reclamation:	bunded/piled area
	dock infill
Intakes/outfall pipes:	intake/outfall
Cables:	cable/subsea cable
Pipeline maintenance:	pipe/pipeline maintenance
Piers etc.:	bridge supports/bridge foundation
	pier
	jetty
Bank stabilisation:	
Scour protection:	gabion
	mattressing
Barrages & island etc.	tidal barrier

	barrage
	sculpture, statues, fountains etc.
	ground investigation works
	impoundment
Sediment manipulation	groynes

6. Location of Works

This should include either 6 figure Irish Grid Reference (IGR) or Latitude and Longitude co-ordinates (WGS84 to 1 decimal minute) defining the extent of the project.

Newry River, south of Newry City Centre (IGR 309360,323880)
(See Appendix A)

If necessary, please continue on a separate sheet and tick this box ☐

7. Method Statement

Methods of drilling

Borehole drilling will be undertaken using cable percussion boring through the upper alluvial/estuarine superficial (soil) deposits, and follow on rotary drilling through the underlying glacial soils and potentially bedrock.

Cable Percussion Boring

Cable percussion (CP) boring will be used to advance the boreholes through the upper alluvial/estuarine superficial (soil) deposits. This method will be used to form a 150mm Ø borehole, with a 200mmØ casing used to support the bore within upper layers of loose material including potential made ground. The casing will extend to above the river water level at all times. Bore diameter may be increased to 200mmØ where cobble size obstructions are encountered. It is anticipated that CP boring will be used to advance the borehole to a depth around 20-30m below the river bed.

Potential implications on the marine environment: Cable percussion boring may require the occasional addition of small volumes of water to assist with recovery of material.

If necessary, please continue on a separate sheet and tick this box [X]

Rotary Drilling

Rotary Methods (Geobore-S wireline drilling) will be used to advance the borehole in the underlying glacial till deposits, and potentially bedrock, with the aim of obtaining cores of the material. Rock and soil coring is likely to require a 150mm Ø bore. It is anticipated that Rotary drilling will be used to advance the borehole to a depth of around 30m below the termination level of the CP boring.

Potential implications on the marine environment: Rotary drilling is likely to require the use of a drilling fluid to reduce friction on the drill string. This is anticipated to comprise a non-toxic biodegradable polymer additive added to fresh water, which will have a negligible impact on the marine environment. Drilling flush will be re-circulated during the drilling works so as to minimise the loss of any drilling fluid in to the surrounding environment.

Removal of material from the sea bed

Material removed from the boreholes will be either collected for use as test samples, or disposed of at a suitable licenced land based facility. No removed material will be placed back in to the hole, or placed in to the water course.

Reinstatement

The following method is anticipated for the reinstatement of boreholes:

1) A sulphate resisting cement/bentonite grout will be pumped in to the base of the hole using a tremmie pipe which will extend to the base of the hole. The casing will be gradually withdrawn during the pumping process, while maintaining a suitable embedment to prevent any cement loss in to the surrounding environment. The cement/bentonite grout will be installed to a level 10m below the river bed and then terminated. This is intended to minimise the loss of grout/cement in to the surrounding marine environment.

2) Once the grout has set, the casing will be withdrawn completely.

Potential implications on the marine environment: The selected method for undertaking the reinstatement works is intended to minimise the loss of any grout/cement. There is however some potential for minor loss of grout, or cement in to the surrounding marine environment, and this would require to be mitigated using methods similar to those detailed below.

Environmental contamination mitigation measures

The contractor will require to provide mitigation measures capable of dealing with any spillage of oil, grout or other substance that might be harmful to the marine environment. This might include the use of oil booms, dispensers, and/or absorbents. Measures to mitigate and control any pollution will be reviewed as part of the contractors method statement prior to works being undertaken.

Schedule of Works

Marine investigation works are anticipated to last a minimum of approximately 5 to 6 weeks, commencing mid March 2019. An approximate works schedule is as follows *(note: no particular order is implied by the borehole numbers used):*

- *Accessing the site and set up: 1 day*
- *Borehole 1 drilling: 4 days*
- *Shift rig and plant to borehole 2: 1 day*
- *Borehole 2 drilling: 4 days*
- *Shift rig and plant to borehole 3: 1 day*
- *Borehole 3 drilling: 4 days*
- *Shift rig and plant to borehole 4: 1 day*
- *Borehole 4 drilling: 4 days*
- *Demobilising and egressing the site: 1 day*

Method(s) of access

The close proximity of the boreholes to land mean that access to boreholes could potentially be undertaken from either land or water. It should be noted that the final decision on the method of accessing hole locations will be made by the contractor. For this preliminary review, both methods will be considered.

Access from water

It is anticipated that access from the water would be undertaken using a Jack Up Barge. This comprises a platform on telescopic legs, which can be raised or lowered to suit conditions encountered. Consideration of the extension length required for Jack Up Barge legs will require to include:

- Tidal variations;
- Settlement of the platform legs in to the underlying deposits;
- Water level variations due to water state (e.g wind induced swell);
- Water level variations due to upstream river level;
- Angle of river bank side slopes.

Photo: Typical jack up barge

The barge location will require to be shifted for each of the hole locations. It is anticipated that access and egress of the barge, including shifting to hole locations, will only be able to be undertaken at tidal states approaching high tide.

Potential implications on the marine environment: This method of access is considered to have a negligible permanent impact on the marine environment.

Access from land

Access to hole locations may be possible by constructing temporary access platforms from the adjacent river banks on the east (Eastbank) and west (Middlebank) sides of the river. This might be undertaken through use of a fill platform. It is considered likely that a build out would be required from both sides to maintain the river flow through the centre of the channel. Any platform would be removed following completion of the drilling works.

The Middlebank separating the canal and river is a designated Scheduled Monument, and any temporary build out from here would likely require a Scheduled Monument Consent.

Any build out platform would require to take in to account the likely presence of very soft and soft deposits below, and it would be necessary to demonstrate by design that the platform and underlying soil deposits have sufficient resistance to prevent an exceedance of the Ultimate Limit State (e.g failure) under plant loading. The platform height will require to be sufficient to accommodate the following:

- High tide level
- Settlement of the platform
- Wave freeboard

Potential implications on the marine environment: Use of an imported fill platform may have the following impact on the marine environment:

- There may be potential for settlement or 'punching in' of the fill in to the underlying soft deposits. This may have the potential for some fill to be locally left in place within upper levels of the marine deposits following removal of the fill platform.
- Build out of a fill platform in to the river (potentially from both sides) will result in a local loss of river section. Consideration would have to be given to potential impact on river flow, levels, bank erosion etc.

8. Permanent Deposits

(a) quantity of permanent materials to be deposited below HMWS tidemark:

Timber (m^2 or tonnes) .....

Iron/Steel (tonnes) .....

Plastic/Synthetic (m^2) .....

Silt (m^3) .....

Sand (m^3) .....

Concrete (m^3) .....

Concrete bags/mattresses
(Confirm number, dimensions
& total volume m^3) .....

Stone/Rock/Gravel
(size range and volume m^3) .....

If 'other' please describe below

Sulphate Resisting Cement / Bentonite Grout used to plug the boreholes as per method statement. Volume = $\pi \times 0.1^2 \times 55 \times 4 = 6.92 m^3$

If necessary, please continue on a separate sheet and tick this box ☐

(b) for work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the material to be deposited:

Quantity (tonnes) .....

Nature of Material
(e.g. sand, silt, gravel etc.) .....

Source:
(if sea dredged please state
location of origin) .....

Particle Size .....

Has the material been chemically analysed? Yes ☐ No ☐

If Yes, please include the analysis data with your application.

9. Temporary Deposits

Will there be a need to make any temporary deposits of material below HMWS tidemark during the works

Yes [X] No [ ]

(a) quantity of temporary materials to be deposited below HMWS tidemark:

Timber (m^2 or tonnes)	0
Iron/Steel (tonnes)	0
Plastic/Synthetic (m^2)	0
Silt (m^3)	TBC
Sand (m^3)	TBC
Concrete (m^3)	0
Concrete bags/mattresses (Confirm number, dimensions & total volume m^3)	0
Stone/Rock/Gravel (size range and volume m^3)	TBC

If 'other' please describe below

Further details on temporary material deposit quantities will be provided in the event the contractor proposed to access boreholes from land - See Section 7 Access from Land for further details.

If necessary, please continue on a separate sheet and tick this box [ ]

10. Dredging

Do you intend to apply for a licence to dredge as part of the works?

Yes [ ] No [X]

If Yes, please indicate the location of the dredging and nature of material .....

11. Disposal of Material at Sea

Do you intend to apply for a licence to dispose at sea material dredged as part of the works?

Yes [ ] No [X]

If Yes, please indicate:
Nature and quantity of material .....
(sand, gravel, silt, clay, rock etc.) .....

12. Planning

Is this project subject to a planning application?

Yes [ ] No [X]

If Yes, attach a copy of environmental statement (if appropriate) and indicate what stage the application for planning permission is at (i.e. approved, awaiting notification, rejected)

.....

13. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

Yes [ ] No [X]

If Yes, please give details

14. Consultation

(a) Have the public been invited to submit comments? **YES** [ ] **NO** [X]
If **YES**, how and where?

(b) Have any consultation meetings been held? (with the public or other bodies) **YES** [ ] **NO** [X]

If necessary please continue on a separate sheet and tick this box [ ]

15. Consultation with Conservation Bodies

Please provide details of any consultation that has taken place with NIEA Natural Environment Division and, if appropriate, include copies of any correspondence with your application.

Stage 2 Environmental Statement Consultation.

If necessary please continue on a separate sheet and tick this box [ ]

16. Designated Conservation Areas

Are any parts of the proposed work located within the boundaries of a designated conservation area? **YES** [ ] **NO** [X]

If **No**, please indicate approximate distance of the disposal operation from the nearest designated conservation area.

17. Environmental Assessment

Has an environmental assessment been undertaken to support any application in respect of the works, your own statutory powers (if applicable) or any other reason? **YES** ☐ **NO** ☐

If **YES**, is a copy of the assessment included with this application? **YES** ☐ **NO** ☐

If the assessment has been undertaken but has not been included with the application, please provide an explanation below.

Is the environmental assessment available for public inspection? **YES** ☐ **NO** ☐

If YES at what locations:

Declaration

I declare that the information given in this form and related papers is to the best of my knowledge and belief true.

WARNING
It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

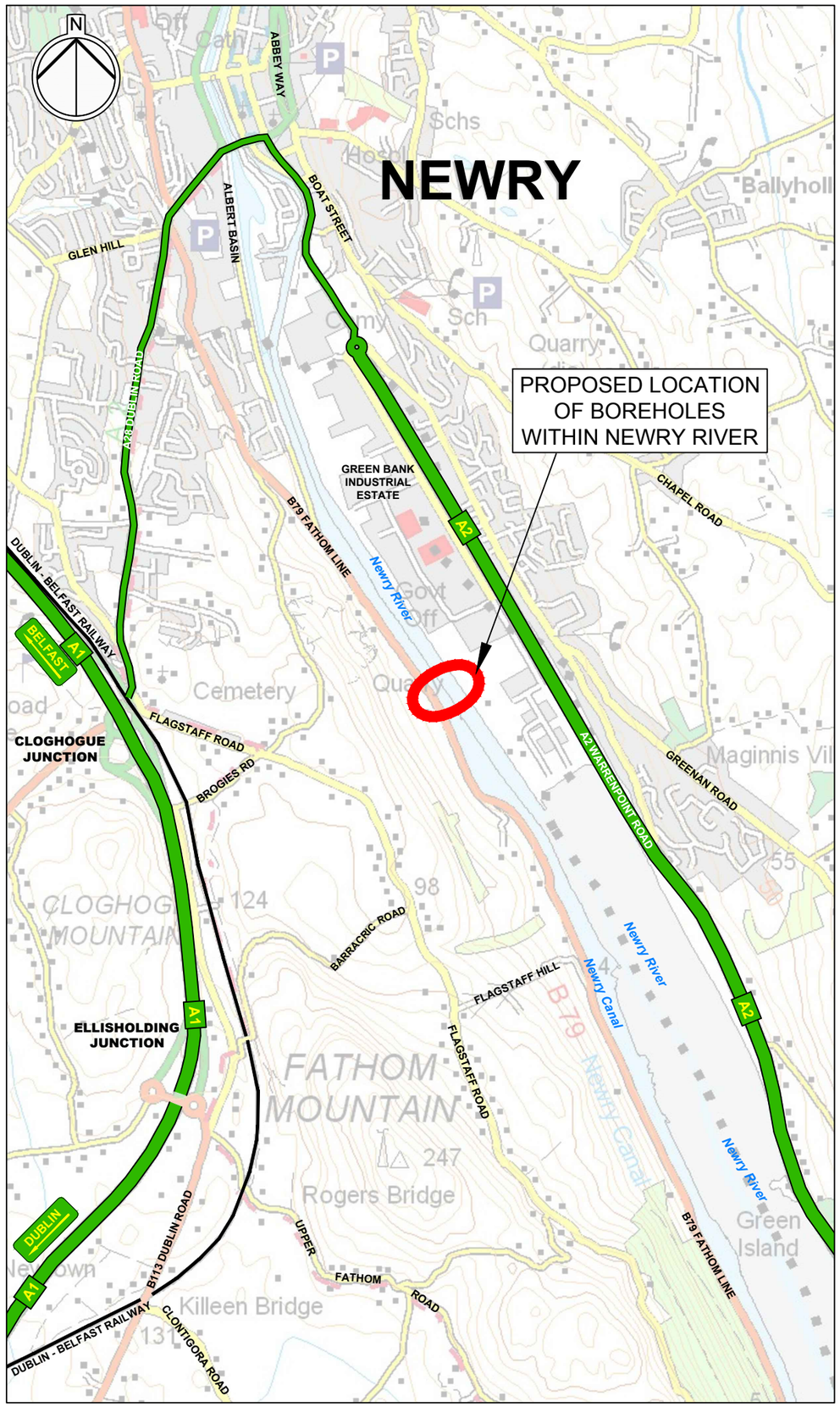
Signature of applicant: (or agent acting on behalf of applicant)	
Date:	
Name (Block Letters):	
Position within company: (if applicable)	

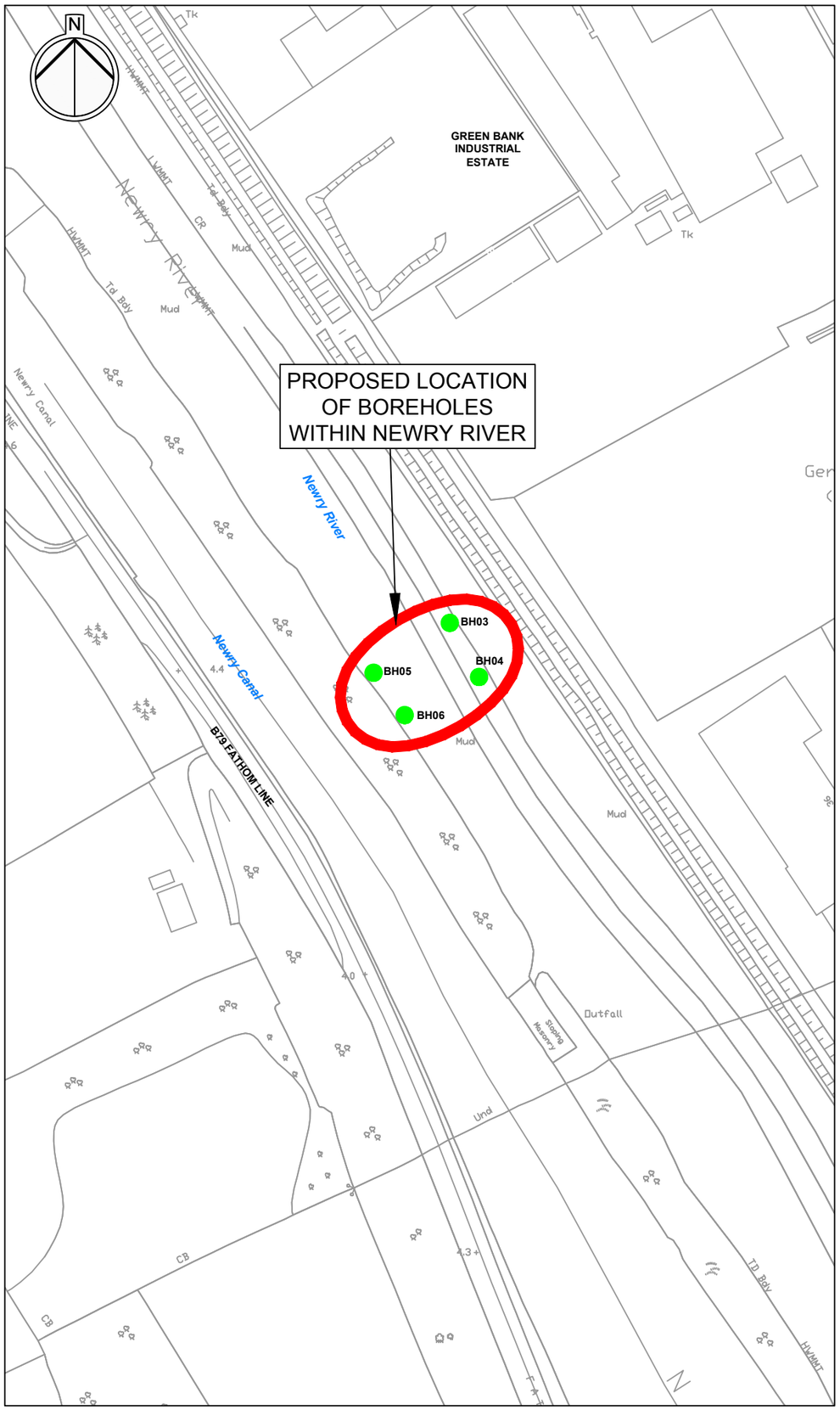
PLEASE CHECK CAREFULLY THE INFORMATION YOU HAVE GIVEN AND THAT ALL ENCLOSURES (INCLUDING COPIES) HAVE BEEN INCLUDED

Application Checklist

- **Completed application form**
- **Project drawings**
- **Method statement**
- **Maps/charts**
- **Additional environmental information e.g. photographs, environmental impact assessment etc.**
- **Payment**

Appendix A – Site Location





Project Title

NEWRY SOUTHERN RELIEF ROAD

Co-financed by the European Union
Trans-European Transport Network (TEN-T)

Client

Department for Infrastructure
An Roinn Bonneagair

Drawing Title

GROUND INVESTIGATIONS

LOCATION PLAN

KEY

Study Area

BH06 Borehole

Scale @ A3
NOT TO SCALE

AECOM Internal Project Number
60472927

FIGURE 1

REV. 0

AECOM Infrastructure & Environment UK Limited
The Studio, Cleaver House
1-3 Donegall Square North
Belfast
BT1 5YE
T: +44 (0)28 9060 7200
www.aecom.com

Appendix B – Site Photographs

Site Photographs

Photographs of the approximate location of the overwater (marine) ground investigation

FIGURE 1 Looking north-west from Eastbank

FIGURE 2 Looking north from Eastbank

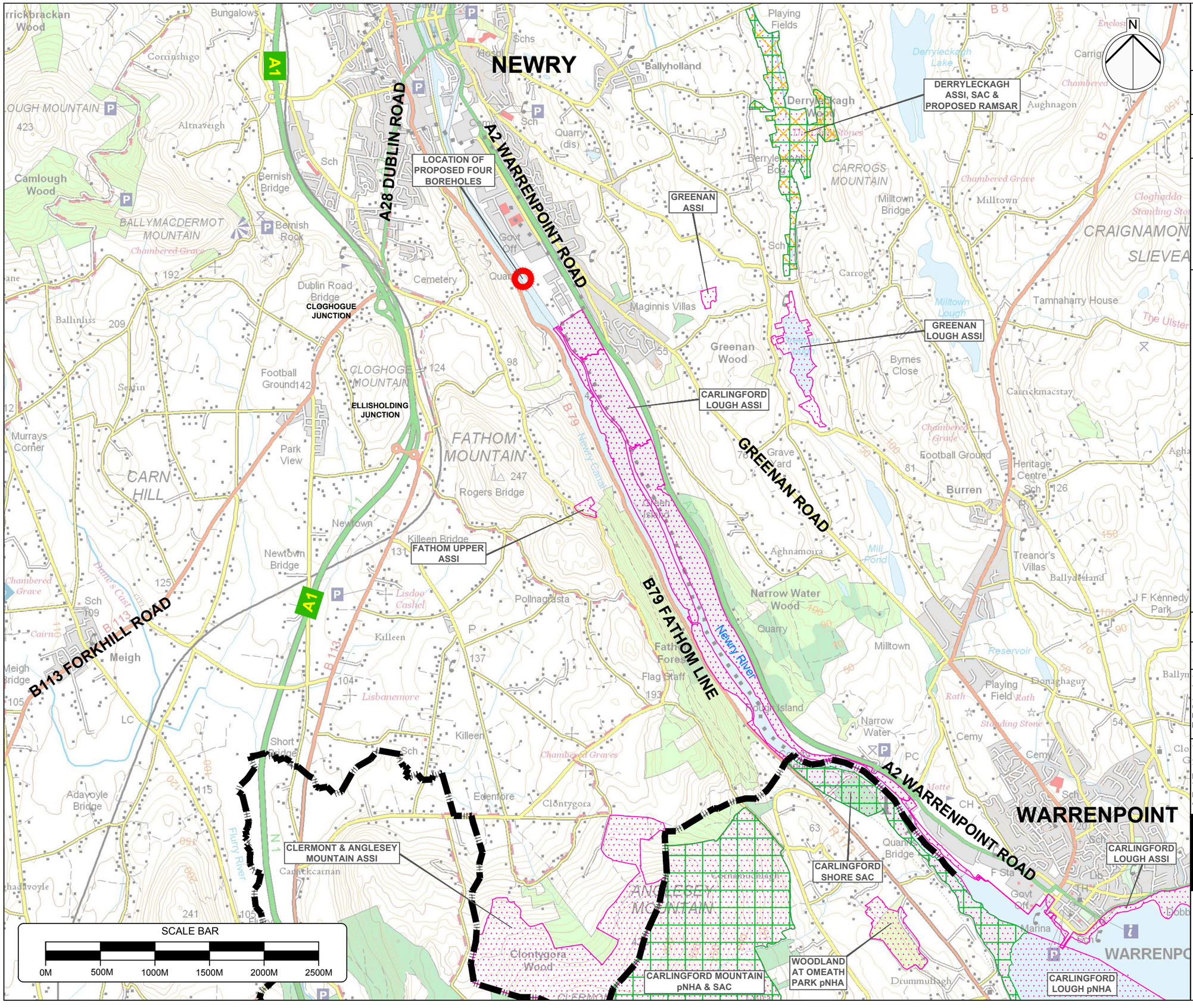
FIGURE 3 Looking north-west from Eastbank

FIGURE 4 Looking east from Middle bank

FIGURE 5 Looking north-east from Middle bank

FIGURE 6 Looking south-east from Middle bank

Appendix C – Ecological Designated Sites



Project Title

NEWRY SOUTHERN RELIEF ROAD

Co-financed by the European Union
Trans-European Transport Network (TEN-T)

Client

Department for Infrastructure
An Roinn Bonneagair

Drawing Title

ECOLOGICAL
STATUTORY DESIGNATED SITES

KEY

- Proposed Location of Four Boreholes
- Special Area of Conservation (SAC)
- Ramsar Site
- Area of Special Scientific Interest (ASSI) or proposed Natural Heritage Area (pNHA)
- International Border

Scale @ A3
Not to Scale

AECOM Internal Project Number
60472927

FIGURE 3

REV. 0

AECOM Infrastructure & Environment UK Limited
The Studio, Cleaver House
1-3 Donegall Square North
Belfast
BT1 5YE
T: +44 (0)28 9060 7200
www.aecom.com