T: +44 (0)300 244 5046
E: ms.marinelicensing@gov.scot

Conservation (Natural Habitats, &c.) Regulations 1994 (as amended)

Application for a licence to disturb or injure marine European protected species (EPS) for one of the following purposes

- **For preserving public health or public safety**
- **For an imperative reason of overriding public interest (including those of a social or economic nature and beneficial consequences of primary importance for the environment)**
- **For preventing the spread of disease**
- **For preventing serious damage to livestock, foodstuffs for livestock, crops,vegetables, fruit, growing timber or any other form of property, or to fisheries.**

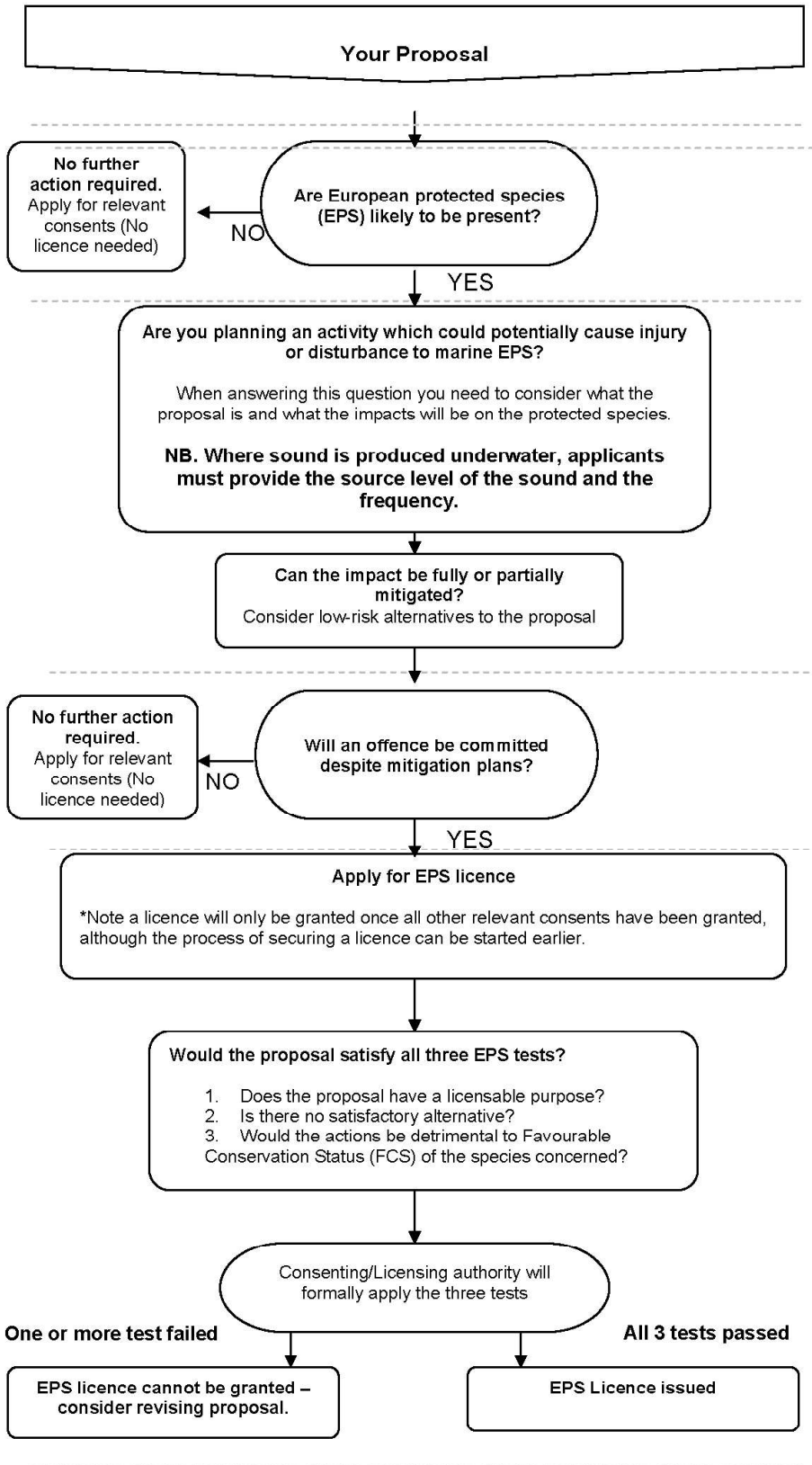
Please use this application form if you wish to undertake works/activities that would affect European protected species in the Scottish inshore marine area (0 – 12nm).

IMPORTANT: Before completing this form, please read these notes carefully

Applicants are advised to read these notes in conjunction with The Protection of Marine European Protected Species from injury and disturbance:Guidance for Scottish Inshore Waters. If further clarification is needed please contact Marine Scotland Licensing Operations Team (MS-LOT) on 0300 244 5046 or email: ms.marinelicensing@gov.scot

Flowchart showing the decision-making process

Please refer to the relevant chapter of The Protection of Marine European Protected Species from injury and disturbance:Guidance for Scottish Inshore Waters



Please complete all relevant sections of the form.

Please ensure that you answer questions fully in order to avoid delays.

The completed application should be sent to Marine Scotland Licensing Operations Team (MS-LOT) at the address below or emailed to ms.marinelicensing@gov.scot.

We will not process unsigned application forms.

Please ensure that you provide appropriate information to support your application. Applicants can provide this supporting information in the form of an EPS Risk Asessment. Guidance can be found in The Protection of Marine European Protected Species from injury and disturbance:Guidance for Scottish Inshore Waters. Please contact MS-LOT if you wish to discuss the level of supporting documentation required for your application. Failure to provide sufficient supporting information may delay the consultation and licensing process.

MS-LOT will aim to determine whether a licence should be issued **within 6 to 8 weeks of acceptance of a completed application**. However, please note that for large scale or complex projects, the determination period may be longer.

If you experience any problems filling in this form, please contact MS-LOT.

Please use this application form if you wish to undertake works/activities that would affect European protected species in the Scottish marine area (0 – 12nm).

Please note that European protected species are also protected in the offshore marine environment (between 12 and 200 nautical miles). Species in this area are protected under The Conservation of Offshore Marine Habitats and Species Regulations 2017.

Do not use this form if your application relates to scientific, research, conservation or educational purposes. Please contact Scottish Natural Heritage (SNH Licensing, Great Glen House, Leachkin Road, Inverness IV3 8NW, Telephone 01463 725000, email **licensing@snh.gov.uk** or visit their website) for a licence application for these purposes. SNH also issues licences for the purposes of marking animals or plants in relation to conservation or introducing them to particular areas for conserving natural habitats, and for protecting zoological or botanical collections.

Before a licence can be granted, it is essential that other relevant licences or consents have been secured for the proposed activity (eg Marine licence).

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

Part A
Section 1 Personal details

Please provide details of the individual, company or partnership you wish to be named on the licence. The licensee is responsible for ensuring compliance with the licence and its conditions. Under the Conservation (Natural Habitats) Regulations 1994 (as amended) it is an offence to fail to comply with the terms and conditions of a licence.

Section 2 Previous applications

Please provide details of any previous relevant licences.

Part B
Section 3

Species

Please provide details of the species that will be affected by the work, the number likely to be affected and a description of how this number was determined. This information can be described in detail in your supporting information. You will need to provide detailed proposals (to be included in the 'Supporting information') of all the mitigation work that you plan to carry out which will affect European protected species.

Location

Describe the location of the proposed works. Include a list of the latitude and longitude co-ordinates (WGS84) of the boundary points of the proposed project. WGS84 is the World Geodetic System 1984 and the reference co-ordinate system used for marine licence applications. Co-ordinates taken from GPS equipment should be set to WGS84. Coordinates taken from recent admiralty charts will be on a WGS84 compatible datum. Ordnance survey maps do not use WGS84. In a few cases, (e.g. laying of cables or pipelines) it may only be practicable to supply co-ordinates for the start and end points.

Example: For positions read from charts the format should be as in the example: 55◦55.555'N 002◦22.222'W (WGS84). The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the format should be as in the example: 55°55'44''N 2°22'11''W (WGS84).

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

Section 4 Consideration of designated sites

Please provide details of any designated sites affected by your proposals. You are advised to consult Scottish Natural Heritage, or other appropriate regulator, if the work you propose to do affects a Natura site, an MPA or a Site of Special Scientific Interest.

Section 5 Activities to be licensed

Please indicate the activities you intend to undertake that would otherwise be unlawful
Provide details of the proposed commencement and completion dates of the activities. **The licence start date will not be backdated, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action.**

It is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

Section 6 Purpose of the licence application

Please indicate the purpose of the licence application, the first of the legal tests.
Please complete the relevant Annex to provide justification for the licensing purpose. This is the legal basis of the application.

Section 7 Satisfactory alternatives

Please provide your consideration of why there is no satisfactory alternative. This must include all other options that have been evaluated, the alternative sites that were considered by you and why they were rejected (if no other sites were considered, you must provide the reasons why), as well as all alternative methods of carrying out the work and alternatives dates / timings.

In relation to each alternative considered, please provide an explanation of why you consider it to be satisfactory or unsatisfactory. In respect of any alternative sites please provide the location(s) and details of the alternative site(s), or your views on how the activity/proposal might have been achieved differently, and any other helpful information; e.g., pros and cons of alternative sites, or whether there is likely to be demand for all suitable sites to be used to meet an identified need. Please explain how this conclusion was reached.

Section 8 Summary of the planning / licensing position

Detail all consents and licences required for the proposed project and indicate those that you have applied for or received.

Section 9 Noise Monitoring

Under the Marine Strategy Regulations (2010), there is now a requirement to monitor loud, low to mid frequency (10Hz to 10kHz) impulsive noise. This includes use of seismic airguns, other geophysical surveys (<10kHz), pile driving, explosives and certain acoustic deterrent devices. This monitoring requires completion of a form at the application stage (giving details of the proposed work) as well as completion of a 'close-out' form (giving details of the actual dates and locations where the activities occurred). The close-out form should be returned within 12 weeks of completing the 'noisy' activity or, in the case of prolonged activities such as piling for harbour construction or wind farms, at quarterly intervals or after each phase of foundation installation.
These forms are available at: https://mnr.jncc.gov.uk//

Section 10 Privacy notice

This section briefly describes the Scottish Ministers responsibilities in relation to Data Protection based on the requirements of the data protection laws and the Environmental Information (Scotland) Regulations 2004 and the Freedom of Information (Scotland) Act 2002.

Part D
Section 11 Declaration and warning

It is important to read the Declaration and Warning sections before signing the application form.

Site visits and compliance checks

It is possible that the licensing authority may undertake a site visit prior to the issue of a licence. The majority of site visits will be arranged several days in advance and will be conducted in the presence of the licensee (or applicant) however there may be occasions when a site visit will be made at short notice.

Licensees should be aware that they may receive a request for a site visit by the licensing authority, or a person authorised by the licensing authority, to assess site conditions against the conditions of the licence. It is essential that if any of the agreed mitigation measures contained in the application and supporting information are changed for any reason, the licensing authority is informed as soon as possible.

The Licensing authority will monitor compliance with licences issued based on the information included in licence reports.

Where to seek further information

Further information can be obtained from Licensing Operations Team at the address below.
If your proposal relates to one of the purposes for which SNH is the licensing authority, please contact your local office of SNH.

Licensing Operations Team
Marine Scotland
375 Victoria Road
Aberdeen
AB11 9DB

Tel: 0300 244 5046
Email: MS.marinelicensing@gov.scot

Disclaimer

While every effort has been made to ensure the information contained in this document is accurate, nothing in this document should be taken to replace the current legislation in force at this time. You are advised to obtain qualified legal advice in relation to your rights and responsibilities under the 1994 Regulations and other legislation.

Part A. The Applicant: Personal details

These questions relate to the person who will be the **named licensee**. The licence can be issued to an individual or a company or a partnership and the licensee will be responsible for ensuring compliance with the licence and the conditions of the licence. Under the Conservation (Natural Habitats) Regulations 1994 (as amended) it is an offence to fail to comply with any condition imposed by a licence.

1. Name of applicant

Title: [redacted] Forename(s): [redacted] Surname: [redacted]

Company Name: Moray Offshore Renewable Power Limited

Business Title (if Appropriate): [redacted]

Address: 5th Floor, Atria One
144 Morrison Street
Edinburgh, EH3 8EX

Tel no. (inc. dialling code): [redacted]

Email address: [redacted]@edpr.com

2. **The Applicant: Previous applications**:

Have you previously held a wildlife licence issued in the UK? (please tick as appropriate)

Yes ☐ No ☑ (If yes, please complete below, if no, please go to Part B)

Who issued the licence?

Licence number (most recent licence)

Year in which the licence was issued.

What species were covered by the licence?

What activity was covered by the licence e.g. disturb, injure?

Part B. The Application

3. **Species**

(a) Please indicate which species is / are affected by the proposed works.

Common name(s):

1. Bottlenose dolphin 2.Harbour porpoise 3. Minke whale 4. Eurasian otter 5. Common Dolphin 6. White-beaked dolphin

Scientific name(s)

1. Tursiops truncatus 2. Phocoena phocoena 3. Balaenoptera acutostrata 4. Lutra lutra 5. Delphinus delphis 6. Lagenorhynchus albirostris

(b) How many individual animals will be affected by licensed work?

Injury - 0
Disturbance - it is estimated that the total number of individuals disturbed will be minimal due to the transient nature of the animals and the brief nature of the works.

Please provide a description of how this number was calculated / estimated

There is no potential for injury or significant disturbance to EPS in the vicinity of the survey activities. See EPS Risk Assessment for more information.

(c) **Location of proposed licensed action**

Latitude and Longitude co-ordinates (WGS84) defining the extent of the project. Please continue on a separate sheet if necessary.

LATITUDE										**LONGITUDE**										
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W
		°			.			‘N					°			.				‘W

(d) Provide a brief description of the proposed activity and the methods to be used.
Detailed information should be included in your Supporting Information
Please provide details of the source levels and frequencies of underwater noise if relevant

The proposed geophysical surveys are divided into three separate areas: Moray West Site; Offshore Export Cable Corridor; and Landfall and Nearshore Area. The geophysical surveys are required to inform the bathymetric, geological, and sedimentary characteristics of the seabed within the site and cable corridor. The geophysical surveys are to take place between 1st March 2019 and 31st March 2020 in both the inshore (0-12 nm) and offshore (>12 nm) environments. The survey activities are scheduled to be on a 24-hour working basis and of expected duration of up to 12 weeks. Vessels are expected to be present throughout the survey period.

The geophysical methods to be used include ultra-low baseline (USBL) positioning transponders, side-scan sonar (SSS), multi beam echosounder (MBES), single beam echosounder (SBES), sub-bottom profiler and magnetometer. Acoustic energy emitted from vessels is strongest at frequencies < 1 kHz. Acoustic source levels vary between vessels but are typically in the region of 160 – 175 dB re 1µPa (rms).

The source levels and associated frequency for the equipment use during geophysical surveys are:
- USBL system: 190 – 235 dB re 1 µPa (rms), with frequency typically between 18 – 36 kHz;
- MBES: Most likely source level 218 dB re 1µPa (rms) but range of 190 – 240 dB re 1µPa (rms), with frequency of 240 kHz.
- SBES: Most likely source levels typically range between 190 – 240 dB re 1µPa (rms), with frequency range 3.5 – 250 kHz.
- SSS: Most likely source level 200 – 230 dB re 1µPa (rms), with frequency ranging between 100 -500 kHz.;
- Sub-bottom profiler: Source level 140 – 170 dB re 1µPa (rms), with frequency range between 250 Hz and 5 kHz.

(e) Briefly state how you will minimise the impact of your proposed work on European protected species.
Detailed information should be included in your Supporting Information.

-Marine mammal monitoring; There will be MMO coverage for the duration of the survey, with adequately trained and experienced MMO(s) working standard 12 hour shifts. They will have experience of working at sea and will have successfully deployed and used PAM equipment previously.

-Marine Mammal Observer (MMO); During daylight hours the MMO(s) will carry out visual observations to monitor for the presence of cetaceans before the soft-start commences and will recommend delays in the commencement of the operations should any cetaceans be detected within the 500 m mitigation zone. When visibility is poor (i.e. due to fog or during hours of darkness) the PAM system will be operated by a single MMO/PAM operator prior to soft starts.

-Pre-soft-start search; Visual (MMO) (and acoustic (PAM) monitoring if required) will be conducted for a pre-soft-start search of 30 minutes i.e. prior to the commencement of marine geophysical operations (MBES, SSS and sub-bottom profiling). This will involve a visual (during daylight hours) and acoustic assessment (during poor visibility or at night) to determine if any cetaceans are within 500 m of the activities. Furthermore, amendment to these distances should be assessed on a case-by-case basis during the proposed works if the need arises.

-Mitigation zone; Should any cetaceans be detected within 500 m of the vessel, commencement of marine geophysical operations will be delayed until their passage, or the transit of the vessel, results in the cetaceans being more than 500 m away from the vessel. In both cases, there will be a 20 minute delay from the time of the last sighting within 500 m of the source to the commencement/recommencement of the operations.

-Soft start; The geophysical source will, where feasible, not be operated at full power straight away, but the power will be built up slowly over at least 20 minutes to give any cetaceans adequate time to leave the area. Build-up of power will occur in uniform stages to provide a constant 'ramp-up' in amplitude. The soft start procedures will be undertaken if the source is stopped for longer than 10 minutes, to avoid injury to any cetaceans which have entered the area during this 'downtime'. MMO or PAM observations will only take place prior to any soft start. Once operations have commenced there will be no further observations until another soft start is required.

-Reporting; All recordings of cetaceans will be made using JNCC Standard Forms. At the end of the operations, a monitoring report detailing the cetaceans recorded, methods used to detect them and details of any problems encountered will be submitted to Marine Scotland and SNH. The report will also include feedback on how successful the mitigation measures were. This requirement will be communicated to the MMOs at project start up meetings and at crew change. If the MMOs have any queries on the application of the guidelines during the works they will contact Marine Scotland and SNH for advice.

-Otters; In the nearshore, the MMO will also monitor for the presence of otters in the water, and delay the start of the marine geophysical activities if any are seen in the water within 100 m of the vessel.

4. Consideration of designated sites

Designated Areas: National Nature Reserves (NNR), Sites of Specific Scientific Interest (SSSI), Special Protection Area (SPA), Special Areas of Conservation (SAC), Ramsar sites, Marine Protected Areas (MPA). Information on designated sites is available on Scottish Natural Heritage website (http://gateway.snh.gov.uk/sitelink/) or from your local SNH office.

(a) Will any part of the proposed activity fall within /or adjacent to an area covered by a designated site eg SSSI, SAC, MPA? Yes ☑ No ☐

(b) Please give the name of the designated site(s) and either the outcome of your consultations or the reason why you have not consulted (see note 4). Please enclose any relevant correspondence.

There are a number of protected sites within the vicinity of the proposed survey corridor: the Moray Firth SAC, the Dornoch Firth and Morrich More SAC, the Moray Firth pSPA and the Southern Trench pMPA.

Due to the close proximity of these designated sites to the proposed survey area, Moray West recognises that there is potential for interaction with qualifying and interest features associated with these sites. However, as there is no potential for injury or significant disturbance to EPS in the vicinity of the survey operations, the conservation status of the protected sites relevant to EPS will not be compromised.

5. **Activities to be Licenced**

Proposed Methods

(a) Please complete all relevant columns in the table below to indicate the methods you propose to use, the activity involved and the time period in which you propose to use each method. This information will be used when preparing the licence to cover activities that would otherwise be unlawful, and failure to give full details may result in an inappropriate licence being issued.

Activity to be licensed (please tick)						**Time period**	
Capture	Kill (exceptional circumstances only)	Injure	Transport	Disturb/ Harass	Method to be used, (e.g. piling)	From	To
☐	☐	☐	☐	☑	**USBL system**	**01/03/2019**	**31/03/2020**
☐	☐	☐	☐	☑	**MBES / SBES / SSS**	**01/03/2019**	**31/03/2020**
☐	☐	☐	☐	☑	**Vessels**	**01/03/2019**	31/03/2020
☐	☐	☐	☐	☑	Sub-bottom profiling	01/03/2019	31/03/2020
☐	☐	☐	☐	☐	Magnetometer	01/03/2019	31/03/2020

6. Purposes of the licence application (tick one box only)

A licence can only be issued if 3 specific legal tests are met. The section below relates to the first of these tests. The options shown are taken from the **Conservation (Natural Habitats, &c.) Regulations 1994 (as amended).**

Please indicate which purpose relates to the proposed works

(a) Preserving public health or public safety (we will require evidence that there is a risk to public health or public safety e.g. an imminent risk of flooding) Regulation 44(2)(e) ☐

Complete Annex A

(b) Imperative reasons of overriding public interest (*including those of a social or economic nature and beneficial consequences of primary importance for the environment)* Regulation 44(2)(e) ☑

Complete Annex B

(c) Preventing the spread of disease Regulation 44(2)(f) ☐

Complete Annex C

(d) Preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber or any other form of property, or to fisheries Regulation 44(2)(g). ☐

Complete AnnexD

7. **Satisfactory alternatives**

This relates to the second of the legal tests which must be satisfied. Please explain why there is no satisfactory alternative to carrying out the proposed work affecting the species. You must describe all possible alternatives which were considered and why they were considered unsuitable. You must also consider the option of not undertaking the work. **It is not acceptable to state that 'there is no alternative'.**

On receipt of the grid connection offer, a desk-based assessment of potential landfall options along the Moray / Aberdeenshire coast was undertaken. This initially focused on an area of search which extended from Portnockie on the Moray Coast, west to Portsoy on the Aberdeenshire Coast.
Much of the coastline between Portnockie and Portsoy is dominated by steep, high cliffs, interspersed with shallow bays and small beaches and is considered to be technically unsuitable as potential landfall locations. There are also a number of environmental designations in the area including a Site of Special Scientific Interest (SSSI) which extends along a large section of the coast between Cullen and Portsoy.
Other factors requiring consideration in the identification of potential landfall locations include other features of environmental or built heritage importance, access to the foreshore for construction and installation of the cables, local land uses, proximity to residential property and other amenity facilities and potential for third party interactions.
Options for bringing the cables ashore at the same location where other cables (e.g. associated with the Beatrice Offshore Wind Farm and Moray East Offshore Wind Farm) are also being brought ashore were also considered. However, it was concluded that there would not be enough space at these existing landfall locations to accommodate the additional cables required for this Development. These locations therefore had to be discounted from the wider area of search.

8. **Other Licences / Consents**

Please detail below all licences / consents you have applied for or received. **Before a licence can be granted, it is essential that other relevant licences or consents have been secured for the proposed activity (eg Marine licence).**

Type of Licence / Consent (e.g. Marine Licence, Local Planing Authority, Local Works Licence)	**Date Applied for**	**Reference no.**	**Date of issue of licence / consent**
All appropriate licences will be applied for as and when required	N/A	N/A	N/A
Previous EPS licence	09/08/2018	MS EPS 30 2018 0	10/10/2018
Basking Shark Licence (PENDING)	Same as previous EPS licence application	N/A	N/A

9. Noise Monitoring

Please indicate if any of the following noise generating activities will be taking place during the operations:

Use of explosives ☐ Piling ☐ Use of Acoustic Deterrent Devices ☐
Survey equipment operating in the range 10 Hz – 10kHz ☑

If you have ticked any of the above boxes please complete a Proposed Activity form in the Marine Noise Registry at: https://mnr.jncc.gov.uk/.

Please note the form must only be completed once for each activity. If you have already completed a form for this activity (eg through the marine licensing process) please give details.

JNCC Noise Registry reference number 1356.

EPS licence applications will not be accepted until this form has been completed and submitted.

11. **Privacy notice**

The Scottish Government's Marine Scotland Licensing Operations Team (MS-LOT) has a range of statutory responsibilities including determining applications for licences to disturb or injure marine European protected species (EPS) under the Conservation (Natural Habitats, &c.) Regulations 1994 (as amended) and The Conservation of Offshore Marine Habitats and Species Regulations 2017 and Basking shark licences under the Wildlife and Countryside Act 1981 (as amended).

MS-LOT will, where necessary, process personal information including: names, addresses, email addresses and telephone numbers to determine a licence application. Personal information will be stored securely in the Scottish Government's official corporate record.

A full privacy notice can be found at: http://www.gov.scot/Topics/marine/Licensing/marine/PrivacyNotice. If you are unable to access this, or you have any queries or concerns about how your personal information will be handled, contact MS-LOT at: Marine Scotland - Licensing Operations Team, Marine Laboratory, 375 Victoria Road, Aberdeen, AB11 9DB. Email: ms.marinelicensing@gov.scot

Have you remembered to enclose Supporting Information with your application, as described in the accompanying guidance? Please check

Completed Application form	☑
Completed Annex	☑
Map / Chart	☑
Correct co-ordinates	☑
Additional information / EPS risk assessment	☑

Part C. Declarations

11. I have read and understand the guidance provided in this application form. I declare that the particulars given are correct to the best of my knowledge and belief, and I apply for a licence in accordance with these particulars.

I authorise employees or representatives of the Scottish Ministers to enter the site which is subject to this application for the purpose of monitoring and inspecting the permitted works.

Warning

Under the Conservation (Natural Habitats, &c.) Regulations 1994 (as amended) it is an offence to fail to comply with the conditions imposed by a licence. The licensee is responsible for ensuring compliance with the licence.

The Scottish Ministers can modify or revoke a licence at any time, provided there are good reasons. Any licence that may be issued is likely to be revoked immediately if it is discovered that false information was provided and resulted in the issue of a licence.

Under the Conservation (Natural Habitats, &c.) Regulations 1994, any person who in order to obtain a licence knowingly or recklessly makes a statement or representation, or furnishes a document or information which is false in a material particular, shall be guilty of an offence and may be liable to criminal prosecution. Any person found guilty of such offences is liable on summary conviction to imprisonment for a term not exceeding six months or to a fine not exceeding level 5 on the standard scale (currently £5,000), or to both imprisonment and a fine.

Note: Previous convictions for wildlife offences will be taken into account and in some cases may mean that the Scottish Ministers do not consider it appropriate to grant a licence.

Signature of the Applicant [redacted] Date 31/01/2019

(The person named at part 1)

Name in BLOCK LETTERS [redacted]

Note – If signing on behalf of a company, please append you signature with "on behalf of *Company Name*".

The completed application should be signed and sent to Marine Scotland Licensing Operations Team (MS-LOT) at the address below or emailed to MS.Marinelicensing@gov.scot

Please remember to include all supporting information.

Licensing Operations Team
Marine Scotland
EPS Division
375 Victoria Road
Aberdeen
AB11 9DB

Disclaimer

While every effort has been made to ensure the information contained in this document is accurate, nothing in this document should be taken to replace the current legislation in force at this time. You are advised to obtain qualified legal advice in relation to your rights and responsibilities under the 1994 Regulations and other legislation.

Annex A

Only to be completed if you selected *for Preserving public health or public safety* in Question 6 of the application form

Please complete all questions

Give details of the risk to public health or safety

How has the risk been identified. Please give details of any expert advice received.

How will the proposed activity address the identified risk

Annex B

Only to be completed if you selected for *Imperative reasons of overriding public interest (including those of a social or economic nature and beneficial consequences of primary importance for the environment)* in Question 6 of the application form

Please complete all questions

What benefits will be provided by the proposed activity? Give details and indicate if they are social, economic or environmental. Please indicate if the benefits are short or long term.

While the marine surveys associated with the Moray West Offshore Windfarm presents a temporary disturbance to a localised marine environment, this work will allow an important addition to Scotland's growing contributions to the UK's renewable energy sector. The UK has an urgent need for new electricity generation capacity due to the closure of coal fired stations, the aging of thermal power stations and the closure of nuclear power programmes. Offshore wind provides the opportunity to deliver this new capacity, not only from a renewable, low carbon resource, but a resource which is indigenous and does not depend upon the geo-economic and geo-political risks attendant with importing fuels.
As the UK follows policies to meet its national and international commitments to greenhouse gas reduction, additional demands will be placed on domestic electricity supply as use of, for example, electric vehicles, increases. The project will provide additional support to the UK government's national and international commitments to reduce greenhouse gases, which will bring long-term benefits.

What public interest will be served? Who will benefit from the proposed activity? Does the proposed activity address a need?

Moray West offers the deployment of a proven technology in a location with a recognised wind resource (based on current Beatrice and Moray West Offshore Wind Farm projects) and to deliver a low-cost, low-carbon supply of electricity for up to 640,000 homes, at a time when the UK urgently needs new generation capacity to maintain a secure, affordable supply of power.

The development will also provide employment over the course of the project.

Why is it imperative the proposed activity goes ahead?

Should the work not proceed, the completion of the Moray West Offshore Wind Farm Development would not be possible.

Does the proposed activity support any local regional or national policies? Please give details. Are you fulfilling a statutory role?

The proposed activities will participate in meeting national and international commitments to greenhouse gas reduction, which are under the form of UK policies.

Annex C

Only to be completed if you selected for *Preventing the spread of disease* in Question 6 of the application form

Please complete all questions

What disease(s) is / are at risk of being spread if the proposed activity does not go ahead? Please give details of any expert advice received.

How will the proposed activity prevent the spread of disease? Please give details of any expert advice received.

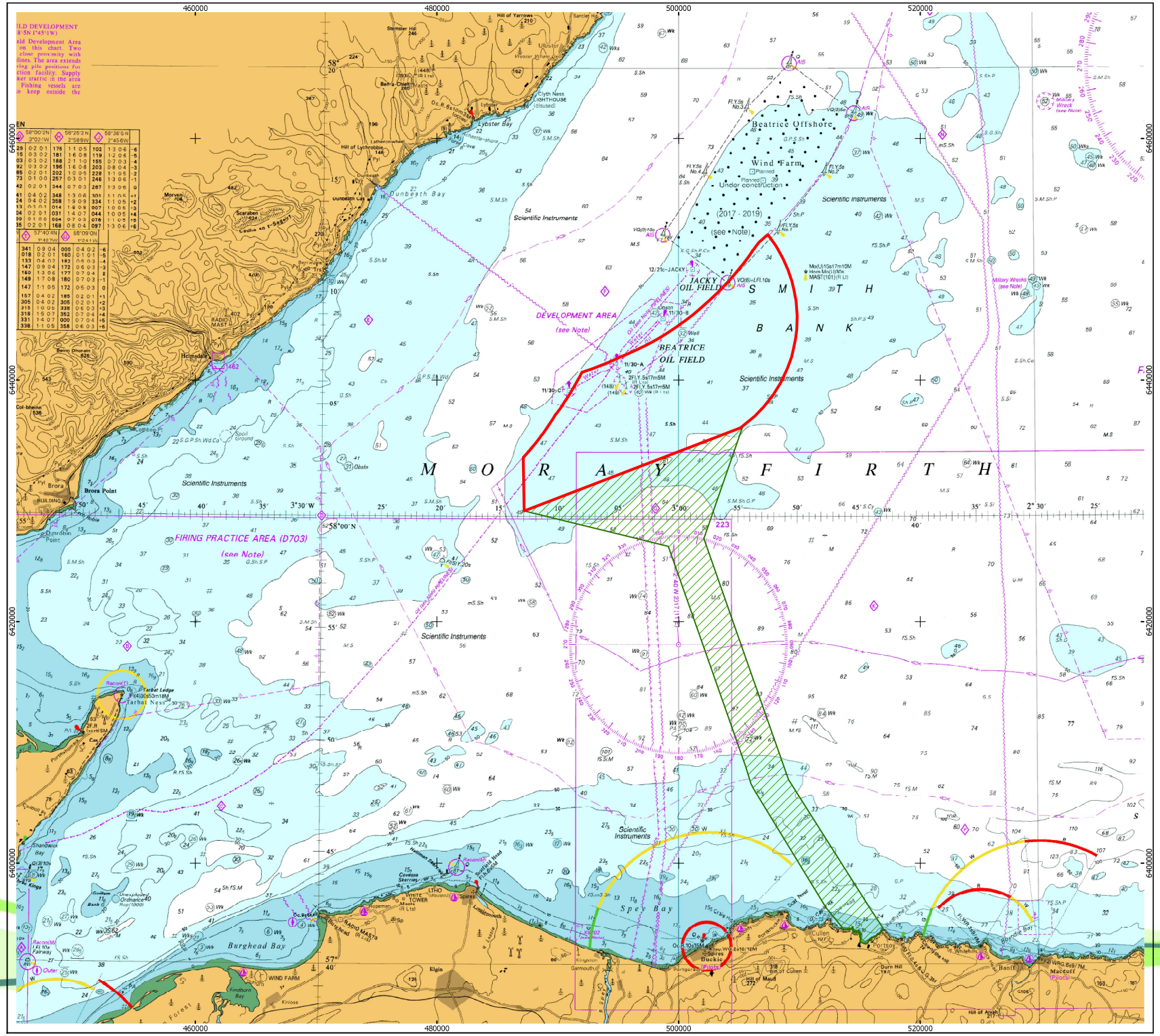
Annex D

Only to be completed if you selected for *Preventing serious damage to livestock, foodstuffs for livestock, crops, vegetables, fruit, growing timber or any other form of property, or to fisheries* in Question 6 of the application form.

Please complete all questions

What serious damage has occurred or will occur if the proposed activity does not go ahead. Please give details of any expert advice received.

How will the proposed activity prevent serious damage? Please give details of any expert advice received.



MORAY WEST
OFFSHORE WINDFARM

Survey Area

- Moray Wesy Site
- MW Export Cable Corridor

Horizontal Scale: 1:300,000 A3 Chart

0 6,000 12,000 Meters

N

Geodetic Parameters:	WGS84 UTM Zone 30N
Produced: MG Reviewed: Approved:	
Date: 30/01/2019	Revision: A
REF: 8460005-AAA0000-AAA-AAA-000	

Figure 1.1: Survey Area
Moray West

Moray Offshore
Windfarm (West) Ltd

ID	OSGB36 British National Grid			WGS84 Latitude - Longitude				WGS84 UTM Zone 30N	
	X_BNG	Y_BNG	NGR	Lat (DM.m)	Lon (DM.m)	Lat (DD)	Lon (DD)	X_UTM30N	Y_UTM30N
0	346215.08	908884.32	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.13	6436034.64
1	346215.13	908884.34	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.18	6436034.66
2	346215.12	908884.33	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.17	6436034.64
3	346215.08	908884.32	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.13	6436034.64
4	346215.08	908884.32	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.13	6436034.64
5	343065.64	899771.65	NJ4306599771	57° 59.012' N	2° 57.866' W	57.98353	-2.96443	502103.18	6426876.94
6	346020.50	890913.13	NJ4602090913	57° 54.261' N	2° 54.747' W	57.90434	-2.91245	505188.59	6418063.71
7	347687.11	885916.90	NJ4768785916	57° 51.580' N	2° 52.994' W	57.85967	-2.88324	506928.77	6413092.98
8	349641.31	880058.65	NJ4964180058	57° 48.437' N	2° 50.944' W	57.80728	-2.84907	508969.21	6407264.62
9	349760.87	879700.26	NJ4976079700	57° 48.245' N	2° 50.819' W	57.80408	-2.84698	509094.04	6406908.05
10	356531.54	868675.19	NJ5653168675	57° 42.346' N	2° 43.864' W	57.70577	-2.73107	516026.38	6395984.75
11	356575.59	868603.46	NJ5657568603	57° 42.308' N	2° 43.819' W	57.70513	-2.73032	516071.48	6395913.68
12	357329.81	867424.28	NJ5732967424	57° 41.676' N	2° 43.047' W	57.69461	-2.71745	516842.98	6394745.82
13	357464.82	867183.80	NJ5746467183	57° 41.548' N	2° 42.909' W	57.69246	-2.71515	516981.51	6394507.36
14	357452.79	867109.61	NJ5745267109	57° 41.508' N	2° 42.920' W	57.69179	-2.71534	516970.58	6394433.01
15	357451.72	867103.02	NJ5745167103	57° 41.504' N	2° 42.921' W	57.69173	-2.71535	516969.61	6394426.40
16	357170.49	866866.26	NJ5717066866	57° 41.375' N	2° 43.202' W	57.68958	-2.72003	516691.92	6394185.53
17	357161.52	866858.71	NJ5716166858	57° 41.371' N	2° 43.211' W	57.68951	-2.72018	516683.06	6394177.85
18	357081.94	866791.72	NJ5708166791	57° 41.334' N	2° 43.290' W	57.68890	-2.72150	516604.48	6394109.69
19	357060.19	866815.68	NJ5706066815	57° 41.347' N	2° 43.312' W	57.68912	-2.72187	516582.38	6394133.33
20	357057.40	866818.75	NJ5705766818	57° 41.349' N	2° 43.315' W	57.68914	-2.72192	516579.55	6394136.36
21	357025.69	866853.67	NJ5702566853	57° 41.367' N	2° 43.347' W	57.68945	-2.72245	516547.33	6394170.81
22	356917.28	866769.54	NJ5691766769	57° 41.321' N	2° 43.455' W	57.68869	-2.72426	516440.18	6394085.09
23	356917.11	866768.37	NJ5691766768	57° 41.321' N	2° 43.456' W	57.68868	-2.72426	516440.02	6394083.92
24	356913.86	866745.80	NJ5691366745	57° 41.308' N	2° 43.459' W	57.68847	-2.72431	516437.11	6394061.30
25	356905.75	866689.54	NJ5690566689	57° 41.278' N	2° 43.466' W	57.68797	-2.72444	516429.83	6394004.93
26	356904.86	866683.30	NJ5690466683	57° 41.275' N	2° 43.467' W	57.68791	-2.72445	516429.03	6393998.68
27	356903.13	866671.30	NJ5690366671	57° 41.268' N	2° 43.469' W	57.68780	-2.72448	516427.48	6393986.66
28	356778.17	866595.99	NJ5677866595	57° 41.227' N	2° 43.593' W	57.68712	-2.72656	516303.65	6393909.52
29	356774.29	866593.65	NJ5677466593	57° 41.226' N	2° 43.597' W	57.68709	-2.72662	516299.80	6393907.12
30	356728.65	866566.14	NJ5672866566	57° 41.211' N	2° 43.643' W	57.68684	-2.72738	516254.58	6393878.94

31	356721.33	866561.73	NJ5672166561	57° 41.208' N	2° 43.650' W	57.68680	-2.72751	516247.33	6393874.43
32	356701.28	866549.64	NJ5670166549	57° 41.202' N	2° 43.670' W	57.68669	-2.72784	516227.45	6393862.04
33	356513.36	866485.38	NJ5651366485	57° 41.166' N	2° 43.859' W	57.68610	-2.73098	516040.51	6393795.01
34	356501.00	866481.15	NJ5650166481	57° 41.163' N	2° 43.871' W	57.68606	-2.73119	516028.22	6393790.61
35	356485.47	866396.80	NJ5648566396	57° 41.118' N	2° 43.886' W	57.68530	-2.73143	516013.93	6393706.04
36	356485.15	866395.05	NJ5648566395	57° 41.117' N	2° 43.886' W	57.68528	-2.73144	516013.64	6393704.29
37	356475.34	866341.81	NJ5647566341	57° 41.088' N	2° 43.895' W	57.68480	-2.73159	516004.62	6393650.91
38	356473.70	866332.89	NJ5647366332	57° 41.083' N	2° 43.897' W	57.68472	-2.73162	516003.11	6393641.96
39	356471.66	866321.82	NJ5647166321	57° 41.077' N	2° 43.899' W	57.68462	-2.73165	516001.23	6393630.87
40	356469.07	866307.76	NJ5646966307	57° 41.070' N	2° 43.901' W	57.68450	-2.73169	515998.85	6393616.77
41	356379.75	866263.03	NJ5637966263	57° 41.045' N	2° 43.991' W	57.68409	-2.73318	515910.21	6393570.74
42	356221.14	866183.61	NJ5622166183	57° 41.001' N	2° 44.149' W	57.68336	-2.73582	515752.79	6393488.98
43	356215.56	866178.25	NJ5621566178	57° 40.999' N	2° 44.155' W	57.68331	-2.73592	515747.29	6393483.55
44	356152.30	866117.52	NJ5615266117	57° 40.965' N	2° 44.218' W	57.68276	-2.73697	515684.93	6393421.89
45	356054.44	866023.58	NJ5605466023	57° 40.914' N	2° 44.315' W	57.68190	-2.73859	515588.48	6393326.53
46	355792.92	866068.54	NJ5579266068	57° 40.937' N	2° 44.579' W	57.68228	-2.74298	515326.34	6393367.61
47	355522.31	866115.06	NJ5552266115	57° 40.960' N	2° 44.852' W	57.68267	-2.74753	515055.08	6393410.13
48	355499.46	866172.11	NJ5549966172	57° 40.991' N	2° 44.875' W	57.68318	-2.74792	515031.40	6393466.84
49	355483.51	866211.95	NJ5548366211	57° 41.012' N	2° 44.892' W	57.68354	-2.74820	515014.86	6393506.44
50	355494.76	866275.51	NJ5549466275	57° 41.047' N	2° 44.881' W	57.68411	-2.74802	515025.17	6393570.16
51	355506.49	866341.79	NJ5550666341	57° 41.082' N	2° 44.870' W	57.68471	-2.74784	515035.92	6393636.59
52	355508.92	866355.54	NJ5550866355	57° 41.090' N	2° 44.868' W	57.68483	-2.74780	515038.15	6393650.38
53	355531.25	866468.49	NJ5553166468	57° 41.151' N	2° 44.847' W	57.68585	-2.74745	515058.81	6393763.64
54	355507.01	866549.20	NJ5550766549	57° 41.194' N	2° 44.872' W	57.68657	-2.74787	515033.38	6393843.98
55	355475.11	866612.20	NJ5547566612	57° 41.228' N	2° 44.905' W	57.68713	-2.74841	515000.56	6393906.50
56	355472.51	866658.90	NJ5547266658	57° 41.253' N	2° 44.908' W	57.68755	-2.74847	514997.27	6393953.16
57	355456.28	866850.39	NJ5545666850	57° 41.356' N	2° 44.926' W	57.68927	-2.74877	514978.21	6394144.38
58	355448.68	866940.04	NJ5544866940	57° 41.405' N	2° 44.935' W	57.69008	-2.74892	514969.29	6394233.90
59	355447.12	866958.39	NJ5544766958	57° 41.414' N	2° 44.937' W	57.69024	-2.74895	514967.47	6394252.22
60	355442.11	867017.50	NJ5544267017	57° 41.446' N	2° 44.943' W	57.69077	-2.74904	514961.58	6394311.25
61	355427.02	867016.28	NJ5542767016	57° 41.445' N	2° 44.958' W	57.69076	-2.74929	514946.51	6394309.80
62	355419.86	867015.69	NJ5541967015	57° 41.445' N	2° 44.965' W	57.69075	-2.74941	514939.36	6394309.11
63	355407.76	867014.71	NJ5540767014	57° 41.445' N	2° 44.977' W	57.69074	-2.74962	514927.27	6394307.95

64	355401.49	867014.20	NJ5540167014	57° 41.444' N	2° 44.983' W	57.69074	-2.74972	514921.02	6394307.35
65	355348.03	867009.85	NJ5534867009	57° 41.442' N	2° 45.037' W	57.69069	-2.75062	514867.63	6394302.22
66	355339.89	867009.19	NJ5533967009	57° 41.441' N	2° 45.045' W	57.69069	-2.75075	514859.50	6394301.43
67	355280.65	867004.38	NJ5528067004	57° 41.438' N	2° 45.105' W	57.69064	-2.75175	514800.34	6394295.74
68	355256.86	867002.44	NJ5525667002	57° 41.437' N	2° 45.129' W	57.69062	-2.75215	514776.59	6394293.46
69	355219.31	866999.39	NJ5521966999	57° 41.435' N	2° 45.167' W	57.69059	-2.75278	514739.08	6394289.85
70	355206.94	866998.38	NJ5520666998	57° 41.435' N	2° 45.179' W	57.69058	-2.75298	514726.73	6394288.67
71	354993.11	866981.00	NJ5499366981	57° 41.424' N	2° 45.394' W	57.69040	-2.75657	514513.20	6394268.13
72	354920.41	867031.80	NJ5492067031	57° 41.451' N	2° 45.468' W	57.69085	-2.75779	514439.76	6394317.85
73	354892.42	867127.63	NJ5489267127	57° 41.502' N	2° 45.497' W	57.69170	-2.75828	514410.35	6394413.25
74	354888.71	867140.30	NJ5488867140	57° 41.509' N	2° 45.501' W	57.69182	-2.75835	514406.46	6394425.87
75	354886.61	867368.30	NJ5488667368	57° 41.632' N	2° 45.505' W	57.69387	-2.75842	514401.00	6394653.80
76	354857.01	867331.60	NJ5485767331	57° 41.612' N	2° 45.535' W	57.69353	-2.75891	514371.94	6394616.67
77	354781.67	867252.48	NJ5478167252	57° 41.569' N	2° 45.610' W	57.69282	-2.76016	514297.78	6394536.45
78	354777.11	867247.70	NJ5477767247	57° 41.566' N	2° 45.614' W	57.69277	-2.76024	514293.30	6394531.60
79	354710.51	867214.30	NJ5471067214	57° 41.548' N	2° 45.681' W	57.69247	-2.76135	514227.20	6394497.22
80	354237.48	867167.14	NJ5423767167	57° 41.520' N	2° 46.156' W	57.69199	-2.76927	513754.94	6394443.09
81	354157.91	867267.40	NJ5415767267	57° 41.573' N	2° 46.238' W	57.69289	-2.77063	513673.90	6394542.16
82	354152.81	867269.05	NJ5415267269	57° 41.574' N	2° 46.243' W	57.69290	-2.77071	513668.78	6394543.73
83	352750.57	869026.32	NJ5275069026	57° 42.512' N	2° 47.675' W	57.70854	-2.79458	512240.84	6396280.03
84	346876.87	878957.78	NJ4687678957	57° 47.825' N	2° 53.720' W	57.79708	-2.89534	506221.50	6406123.09
85	346660.26	879415.51	NJ4666079415	57° 48.070' N	2° 53.945' W	57.80116	-2.89908	505998.16	6406577.54
86	346248.08	880812.16	NJ4624880812	57° 48.819' N	2° 54.380' W	57.81365	-2.90633	505565.43	6407967.86
87	345641.56	882626.06	NJ4564182626	57° 49.792' N	2° 55.017' W	57.82987	-2.91695	504932.22	6409772.48
88	343023.31	890456.63	NJ4302390456	57° 53.992' N	2° 57.774' W	57.89987	-2.96291	502198.67	6417562.96
89	340110.82	899167.54	NJ4011099167	57° 58.663' N	3° 0.854' W	57.97772	-3.01424	499157.84	6426229.21
90	338901.07	899484.42	NJ3890199484	57° 58.824' N	3° 2.086' W	57.98040	-3.03477	497943.63	6426528.12
91	338901.06	899484.42	NJ3890199484	57° 58.824' N	3° 2.086' W	57.98040	-3.03477	497943.62	6426528.12
92	338083.61	899698.54	NJ3808399698	57° 58.932' N	3° 2.919' W	57.98221	-3.04865	497123.14	6426730.11
93	338083.60	899698.54	NJ3808399698	57° 58.932' N	3° 2.919' W	57.98221	-3.04865	497123.14	6426730.11
94	328204.94	902286.14	ND2820402286	58° 0.237' N	3° 12.986' W	58.00395	-3.21644	487208.08	6429170.97
95	328204.94	902286.27	ND2820402286	58° 0.237' N	3° 12.986' W	58.00396	-3.21644	487208.08	6429171.10
96	328204.94	902335.31	ND2820402335	58° 0.264' N	3° 12.987' W	58.00440	-3.21645	487207.36	6429220.14

97	328204.94	904979.08	ND2820404979	58° 1.688' N	3° 13.035' W	58.02814	-3.21726	487168.21	6431863.38
98	328204.94	905456.08	ND2820405456	58° 1.945' N	3° 13.044' W	58.03242	-3.21740	487161.15	6432340.28
99	328204.94	906265.01	ND2820406265	58° 2.381' N	3° 13.059' W	58.03968	-3.21765	487149.17	6433149.04
100	328204.94	906701.90	ND2820406701	58° 2.616' N	3° 13.067' W	58.04361	-3.21778	487142.70	6433585.85
101	328248.14	906747.19	ND2824806747	58° 2.641' N	3° 13.024' W	58.04402	-3.21707	487185.22	6433631.77
102	328282.17	906783.98	ND2828206783	58° 2.661' N	3° 12.990' W	58.04436	-3.21650	487218.69	6433669.06
103	328311.49	906815.70	ND2831106815	58° 2.679' N	3° 12.961' W	58.04465	-3.21601	487247.54	6433701.20
104	328511.67	907032.19	ND2851107032	58° 2.797' N	3° 12.761' W	58.04662	-3.21269	487444.48	6433920.62
105	328769.66	907320.98	ND2876907320	58° 2.955' N	3° 12.504' W	58.04926	-3.20841	487698.14	6434213.17
106	329023.08	907614.46	ND2902307614	58° 3.116' N	3° 12.252' W	58.05193	-3.20420	487947.16	6434510.34
107	329270.98	907912.57	ND2927007912	58° 3.279' N	3° 12.006' W	58.05465	-3.20009	488190.59	6434812.07
108	329514.38	908215.46	ND2951408215	58° 3.445' N	3° 11.764' W	58.05741	-3.19606	488429.46	6435118.51
109	329751.30	908521.20	ND2975108521	58° 3.612' N	3° 11.528' W	58.06019	-3.19214	488661.80	6435427.69
110	329793.82	908577.64	ND2979308577	58° 3.642' N	3° 11.486' W	58.06071	-3.19144	488703.47	6435484.75
111	329822.11	908614.03	ND2982208614	58° 3.662' N	3° 11.458' W	58.06104	-3.19097	488731.22	6435521.56
112	330054.44	908924.46	ND3005408924	58° 3.832' N	3° 11.227' W	58.06386	-3.18712	488958.91	6435835.36
113	330280.39	909239.53	ND3028009239	58° 4.004' N	3° 11.003' W	58.06673	-3.18339	489180.15	6436153.71
114	330501.74	909557.48	ND3050109557	58° 4.177' N	3° 10.784' W	58.06962	-3.17973	489396.74	6436474.88
115	330717.57	909880.13	ND3071709880	58° 4.353' N	3° 10.570' W	58.07255	-3.17617	489607.75	6436800.67
116	330909.06	910178.29	ND3090910178	58° 4.515' N	3° 10.381' W	58.07525	-3.17301	489794.78	6437101.61
117	331058.06	910371.16	ND3105810371	58° 4.621' N	3° 10.233' W	58.07701	-3.17054	489940.89	6437296.64
118	331290.20	910682.37	ND3129010682	58° 4.790' N	3° 10.002' W	58.07984	-3.16670	490168.38	6437611.23
119	331516.88	910996.49	ND3151610996	58° 4.962' N	3° 9.777' W	58.08270	-3.16295	490390.36	6437928.65
120	331701.21	911262.47	ND3170111262	58° 5.107' N	3° 9.594' W	58.08511	-3.15990	490570.71	6438197.31
121	331759.13	911346.19	ND3175911346	58° 5.152' N	3° 9.537' W	58.08587	-3.15895	490627.38	6438281.87
122	331801.39	911407.29	ND3180111407	58° 5.186' N	3° 9.495' W	58.08643	-3.15825	490668.73	6438343.59
123	332016.07	911728.94	ND3201611728	58° 5.361' N	3° 9.282' W	58.08935	-3.15470	490878.60	6438668.35
124	332226.25	912055.27	ND3222612055	58° 5.539' N	3° 9.074' W	58.09231	-3.15123	491083.90	6438997.73
125	332429.96	912385.36	ND3242912385	58° 5.719' N	3° 8.872' W	58.09531	-3.14787	491282.68	6439330.78
126	332628.21	912718.27	ND3262812718	58° 5.900' N	3° 8.676' W	58.09833	-3.14460	491475.96	6439666.57
127	332820.94	913055.01	ND3282013055	58° 6.083' N	3° 8.486' W	58.10138	-3.14143	491663.66	6440006.10
128	333007.27	913394.58	ND3300713394	58° 6.268' N	3° 8.302' W	58.10446	-3.13837	491844.92	6440348.36
129	333166.18	913696.80	ND3316613696	58° 6.432' N	3° 8.146' W	58.10720	-3.13576	491999.33	6440652.88

130	333336.49	913747.37	ND3333613747	58° 6.461' N	3° 7.973' W	58.10768	-3.13289	492168.85	6440705.96
131	333705.98	913863.62	ND3370513863	58° 6.527' N	3° 7.599' W	58.10878	-3.12665	492536.55	6440827.66
132	334056.96	913980.91	ND3405613980	58° 6.593' N	3° 7.244' W	58.10988	-3.12073	492885.72	6440950.14
133	334073.68	913986.50	ND3407313986	58° 6.596' N	3° 7.227' W	58.10993	-3.12045	492902.35	6440955.97
134	334439.58	914115.77	ND3443914115	58° 6.669' N	3° 6.856' W	58.11115	-3.11427	493266.27	6441090.64
135	334802.89	914250.75	ND3480214250	58° 6.745' N	3° 6.489' W	58.11242	-3.10815	493627.51	6441230.98
136	335164.33	914392.20	ND3516414392	58° 6.824' N	3° 6.123' W	58.11374	-3.10205	493986.78	6441377.76
137	335522.24	914540.15	ND3552214540	58° 6.907' N	3° 5.761' W	58.11512	-3.09602	494342.43	6441530.98
138	335530.59	914543.69	ND3553014543	58° 6.909' N	3° 5.753' W	58.11515	-3.09588	494350.73	6441534.64
139	335542.04	914548.55	ND3554214548	58° 6.912' N	3° 5.741' W	58.11520	-3.09569	494362.10	6441539.68
140	335639.05	914589.79	ND3563914589	58° 6.935' N	3° 5.643' W	58.11558	-3.09405	494458.48	6441582.35
141	335909.57	914706.46	ND3590914706	58° 7.000' N	3° 5.370' W	58.11667	-3.08950	494727.23	6441703.00
142	335995.14	914743.36	ND3599514743	58° 7.021' N	3° 5.283' W	58.11701	-3.08805	494812.23	6441741.16
143	336347.65	914904.36	ND3634714904	58° 7.111' N	3° 4.927' W	58.11851	-3.08212	495162.28	6441907.36
144	336457.17	914955.08	ND3645714955	58° 7.139' N	3° 4.816' W	58.11898	-3.08027	495271.03	6441959.69
145	336509.98	914975.43	ND3650914975	58° 7.150' N	3° 4.763' W	58.11917	-3.07938	495323.53	6441980.82
146	336772.50	915078.50	ND3677215078	58° 7.208' N	3° 4.497' W	58.12014	-3.07495	495584.48	6442087.76
147	336870.42	915116.94	ND3687015116	58° 7.230' N	3° 4.398' W	58.12049	-3.07330	495681.81	6442127.65
148	337009.86	915174.87	ND3700915174	58° 7.262' N	3° 4.257' W	58.12103	-3.07095	495820.37	6442187.63
149	337229.08	915265.94	ND3722915265	58° 7.313' N	3° 4.035' W	58.12188	-3.06725	496038.19	6442281.93
150	337585.05	915419.61	ND3758515419	58° 7.399' N	3° 3.675' W	58.12331	-3.06125	496391.81	6442440.86
151	337827.15	915530.30	ND3782715530	58° 7.461' N	3° 3.430' W	58.12434	-3.05717	496632.23	6442555.12
152	337843.14	915537.61	ND3784315537	58° 7.465' N	3° 3.414' W	58.12441	-3.05690	496648.10	6442562.66
153	337937.43	915580.72	ND3793715580	58° 7.489' N	3° 3.319' W	58.12481	-3.05532	496741.74	6442607.16
154	338287.99	915747.43	ND3828715747	58° 7.581' N	3° 2.965' W	58.12636	-3.04941	497089.77	6442779.04
155	338354.81	915780.49	ND3835415780	58° 7.600' N	3° 2.897' W	58.12666	-3.04828	497156.09	6442813.08
156	338419.73	915811.69	ND3841915811	58° 7.617' N	3° 2.831' W	58.12695	-3.04719	497220.52	6442845.24
157	338767.61	915984.89	ND3876715984	58° 7.713' N	3° 2.480' W	58.12856	-3.04133	497565.78	6443023.56
158	339110.94	916163.65	ND3911016163	58° 7.813' N	3° 2.133' W	58.13021	-3.03555	497906.39	6443207.38
159	339215.65	916220.19	ND3921516220	58° 7.844' N	3° 2.027' W	58.13073	-3.03379	498010.25	6443265.46
160	339393.12	916316.01	ND3939316316	58° 7.897' N	3° 1.848' W	58.13162	-3.03080	498186.26	6443363.90
161	339452.52	916348.09	ND3945216348	58° 7.915' N	3° 1.788' W	58.13191	-3.02980	498245.17	6443396.84
162	339789.56	916538.94	ND3978916538	58° 8.020' N	3° 1.447' W	58.13367	-3.02412	498579.32	6443592.66

163	339939.30	916626.99	ND3993916626	58° 8.069' N	3° 1.296' W	58.13448	-3.02161	498727.73	6443682.92
164	340123.83	916735.49	ND4012316735	58° 8.129' N	3° 1.110' W	58.13548	-3.01850	498910.62	6443794.13
165	340454.56	916937.58	ND4045416937	58° 8.241' N	3° 0.776' W	58.13734	-3.01294	499238.29	6444001.08
166	340781.60	917146.15	ND4078117146	58° 8.356' N	3° 0.446' W	58.13926	-3.00744	499562.17	6444214.46
167	340955.06	917260.57	ND4095517260	58° 8.419' N	3° 0.271' W	58.14031	-3.00452	499733.91	6444331.44
168	341105.00	917359.47	ND4110517359	58° 8.473' N	3° 0.120' W	58.14122	-3.00200	499882.35	6444432.55
169	341424.78	917579.20	ND4142417579	58° 8.594' N	2° 59.797' W	58.14323	-2.99662	500198.82	6444656.97
170	341740.95	917804.62	ND4174017804	58° 8.718' N	2° 59.479' W	58.14530	-2.99131	500511.59	6444887.04
171	342052.53	918034.64	ND4205218034	58° 8.844' N	2° 59.165' W	58.14741	-2.98608	500819.70	6445121.64
172	342360.49	918270.28	ND4236018270	58° 8.974' N	2° 58.854' W	58.14956	-2.98090	501124.11	6445361.80
173	342663.87	918511.46	ND4266318511	58° 9.106' N	2° 58.549' W	58.15177	-2.97581	501423.87	6445607.44
174	342963.71	918758.33	ND4296318758	58° 9.241' N	2° 58.247' W	58.15402	-2.97078	501719.99	6445858.71
175	343257.96	919009.81	ND4325719009	58° 9.379' N	2° 57.950' W	58.15632	-2.96584	502010.45	6446114.51
176	343332.38	919074.93	ND4333219074	58° 9.415' N	2° 57.875' W	58.15691	-2.96459	502083.90	6446180.72
177	343463.81	919189.91	ND4346319189	58° 9.478' N	2° 57.743' W	58.15796	-2.96238	502213.59	6446297.63
178	343469.43	919195.30	ND4346919195	58° 9.481' N	2° 57.737' W	58.15801	-2.96229	502219.14	6446303.10
179	343667.25	919363.86	ND4366719363	58° 9.573' N	2° 57.538' W	58.15955	-2.95897	502414.42	6446474.57
180	343764.54	919446.77	ND4376419446	58° 9.619' N	2° 57.440' W	58.16031	-2.95734	502510.47	6446558.91
181	344055.09	919703.87	ND4405519703	58° 9.759' N	2° 57.148' W	58.16265	-2.95246	502797.15	6446820.26
182	344341.14	919965.64	ND4434119965	58° 9.903' N	2° 56.860' W	58.16504	-2.94766	503079.27	6447086.22
183	344622.53	920232.00	ND4462220232	58° 10.048' N	2° 56.577' W	58.16747	-2.94295	503356.65	6447356.72
184	344731.48	920339.38	ND4473120339	58° 10.107' N	2° 56.467' W	58.16845	-2.94112	503463.99	6447465.69
185	344898.49	920503.99	ND4489820503	58° 10.197' N	2° 56.299' W	58.16995	-2.93832	503628.53	6447632.75
186	344973.93	920580.37	ND4497320580	58° 10.239' N	2° 56.223' W	58.17064	-2.93706	503702.83	6447710.24
187	345170.79	920779.69	ND4517020779	58° 10.347' N	2° 56.025' W	58.17246	-2.93376	503896.70	6447912.44
188	345437.59	921061.02	ND4543721061	58° 10.501' N	2° 55.757' W	58.17502	-2.92929	504159.28	6448197.67
189	345699.89	921347.01	ND4569921347	58° 10.657' N	2° 55.494' W	58.17762	-2.92490	504417.29	6448487.50
190	345957.53	921637.58	ND4595721637	58° 10.815' N	2° 55.235' W	58.18026	-2.92058	504670.57	6448781.85
191	346208.78	921931.99	ND4620821931	58° 10.976' N	2° 54.983' W	58.18293	-2.91638	504917.42	6449079.93
192	346430.50	922200.72	ND4643022200	58° 11.122' N	2° 54.760' W	58.18537	-2.91267	505135.11	6449351.91
193	346455.45	922230.97	ND4645522230	58° 11.139' N	2° 54.735' W	58.18565	-2.91226	505159.61	6449382.52
194	346670.63	922500.84	ND4667022500	58° 11.286' N	2° 54.520' W	58.18810	-2.90866	505370.75	6449655.54
195	346697.63	922534.70	ND4669722534	58° 11.304' N	2° 54.492' W	58.18840	-2.90821	505397.23	6449689.78

196	346933.33	922842.08	ND4693322842	58° 11.472' N	2° 54.256' W	58.19119	-2.90427	505628.34	6450000.62
197	347164.45	923153.27	ND4716423153	58° 11.641' N	2° 54.025' W	58.19402	-2.90041	505854.80	6450315.18
198	347390.05	923469.04	ND4739023469	58° 11.813' N	2° 53.799' W	58.19688	-2.89664	506075.67	6450634.24
199	347408.84	923497.28	ND4740823497	58° 11.828' N	2° 53.780' W	58.19713	-2.89633	506094.04	6450662.75
200	347428.48	923524.56	ND4742823524	58° 11.843' N	2° 53.760' W	58.19738	-2.89600	506113.27	6450690.32
201	347445.33	923548.21	ND4744523548	58° 11.856' N	2° 53.743' W	58.19760	-2.89572	506129.78	6450714.22
202	347513.49	923632.75	ND4751323632	58° 11.902' N	2° 53.675' W	58.19836	-2.89458	506196.66	6450799.75
203	347755.49	923936.43	ND4775523936	58° 12.067' N	2° 53.432' W	58.20112	-2.89053	506434.12	6451106.97
204	347991.89	924243.76	ND4799124243	58° 12.234' N	2° 53.195' W	58.20391	-2.88658	506665.92	6451417.75
205	348002.22	924258.29	ND4800224258	58° 12.242' N	2° 53.185' W	58.20404	-2.88641	506676.03	6451432.43
206	348206.43	924421.86	ND4820624421	58° 12.332' N	2° 52.978' W	58.20553	-2.88297	506877.78	6451599.01
207	348505.40	924668.76	ND4850524668	58° 12.467' N	2° 52.676' W	58.20778	-2.87794	507173.04	6451850.30
208	348728.26	924859.15	ND4872824859	58° 12.571' N	2° 52.451' W	58.20952	-2.87419	507393.03	6452043.96
209	349405.00	923891.98	ND4940523891	58° 12.055' N	2° 51.748' W	58.20091	-2.86246	508084.00	6451087.00
210	349953.00	922874.68	ND4995322874	58° 11.510' N	2° 51.175' W	58.19184	-2.85292	508647.00	6450078.00
211	350362.67	921904.44	ND5036221904	58° 10.990' N	2° 50.745' W	58.18317	-2.84575	509071.00	6449114.00
212	350487.93	921515.51	ND5048721515	58° 10.782' N	2° 50.612' W	58.17969	-2.84354	509202.00	6448727.00
213	350648.56	921017.05	ND5064821017	58° 10.514' N	2° 50.442' W	58.17524	-2.84070	509370.00	6448231.00
214	350828.01	920169.24	ND5082820169	58° 10.059' N	2° 50.248' W	58.16764	-2.83747	509562.00	6447386.00
215	350986.25	919306.75	ND5098619306	58° 9.595' N	2° 50.076' W	58.15991	-2.83460	509733.00	6446526.00
216	351006.04	918961.12	ND5100618961	58° 9.409' N	2° 50.052' W	58.15681	-2.83419	509757.91	6446180.72
217	351055.36	918099.52	ND5105518099	58° 8.945' N	2° 49.990' W	58.14908	-2.83317	509820.00	6445320.00
218	351006.41	916957.06	ND5100616957	58° 8.329' N	2° 50.026' W	58.13881	-2.83376	509788.00	6444177.00
219	350878.53	916156.82	ND5087816156	58° 7.897' N	2° 50.146' W	58.13161	-2.83577	509672.00	6443375.00
220	350757.41	915543.51	ND5075715543	58° 7.566' N	2° 50.262' W	58.12609	-2.83769	509560.00	6442760.00
221	350533.47	914672.68	ND5053314672	58° 7.095' N	2° 50.479' W	58.11825	-2.84131	509349.00	6441886.00
222	350164.40	913727.99	ND5016413727	58° 6.583' N	2° 50.842' W	58.10972	-2.84737	508994.00	6440936.00
223	349594.79	912546.23	ND4959412546	58° 5.943' N	2° 51.407' W	58.09904	-2.85678	508442.00	6439746.00
224	349506.90	912409.64	ND4950612409	58° 5.868' N	2° 51.495' W	58.09781	-2.85825	508356.15	6439608.13
225	348932.42	911516.87	ND4893211516	58° 5.383' N	2° 52.068' W	58.08972	-2.86779	507795.00	6438707.00
226	348171.61	910597.86	ND4817110597	58° 4.883' N	2° 52.830' W	58.08138	-2.88049	507047.93	6437776.87
227	348163.53	910588.11	ND4816310588	58° 4.878' N	2° 52.838' W	58.08129	-2.88063	507040.00	6437767.00
228	347863.46	910285.54	ND4786310285	58° 4.712' N	2° 53.139' W	58.07854	-2.88565	506744.46	6437460.03

229	347428.42	909846.87	ND4742809846	58° 4.473' N	2° 53.575' W	58.07455	-2.89292	506316.00	6437015.00
230	347211.58	909674.85	ND4721109674	58° 4.379' N	2° 53.794' W	58.07298	-2.89656	506101.75	6436839.80
231	346453.64	909073.57	ND4645309073	58° 4.049' N	2° 54.556' W	58.06749	-2.90927	505352.85	6436227.39
232	346215.08	908884.32	ND4621508884	58° 3.946' N	2° 54.796' W	58.06576	-2.91327	505117.13	6436034.64