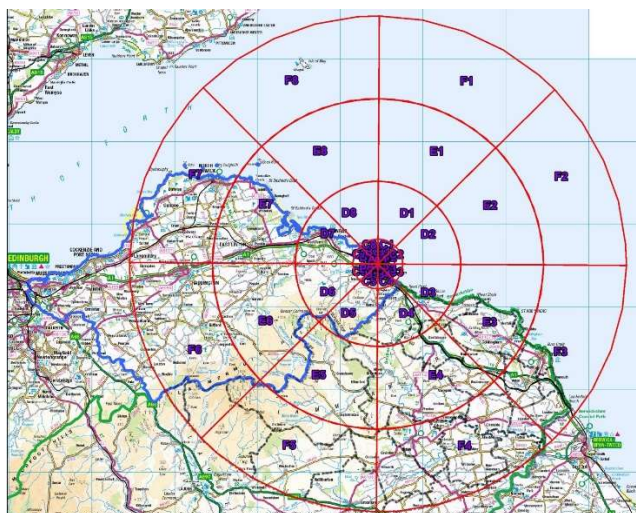




Torness Nuclear Power Station



Outline Planning Zone Plan (OPZ)

Prepared by East Lothian Council¹

Great Britain has well developed emergency response arrangements and there is no change in radiological risk, which remains extremely low. Great Britain has benefitted from over 60 years of clean and safe nuclear power. REPPiR 2019, updated legislation in 2019, and along with other changes introduced **Outline Planning Zones (OPZ)**, to plan for less likely but more severe emergencies, including unforeseen events. For civil nuclear sites, like Torness Nuclear Power Station, the OPZ has been pre-set at 30km, by regulation 9(1)(a) and schedule 5 of REPPiR-19. OPZ planning is lighter touch than for Detailed Emergency Planning Zones (DEPZ), and does not require capabilities to be in place ready to deploy as is the case for the DEPZ. This plan is an overview of the area between the 3km DEPZ and the boundary of the 30km OPZ, detailing the population in this area and in particular the most vulnerable. This plan further improves the already significant emergency response planning in place for Torness Nuclear Power Station.

This plan should be read in conjunction with the East Lothian Council (ELC), Torness Nuclear Emergency Response plan which describes the detailed arrangements made for responding to off-site nuclear emergencies. This plan can be found on Resilience Direct and for public consumption on the ELC website with hard copies available at local libraries.

¹ Any changes to this plan should be sent to emergencyplanning@eastlothian.gov.uk

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OPZ Redacted Public Copy

1. Foreword: East Lothian Council, Chief Executive

Torness nuclear power station is located approximately 30 miles east of the city of Edinburgh at Torness Point near Dunbar in East Lothian, Scotland. It supplies up to 1190 MW to the national grid. The station will operate until 2030 at the very least.

This OPZ plan must be read in conjunction with the full Torness Off-Site Emergency Response plan. This live plan, reviewed at least once every 3 years can be found on Resilience Direct (RD).

This plan has been completed to comply with Regulation 9 of the (Radiation Emergency Preparedness and Public Information Regulations) (REPPPIR) 2019).

On 22nd May 2019, REPPPIR 2019 became law replacing REPPPIR 2001. This new legislation passed several responsibilities over to local authorities.

The Office of Nuclear Regulation (ONR) stated, 'Great Britain has well developed emergency response arrangements and there is no change in radiological risk, which remains extremely low. Great Britain has benefitted from over 60 years of clean and safe nuclear power'.

The ONR further stated, 'The regulations (new) will empower Local Authorities to better protect the public, ensure there is appropriate funding mechanism to recover reasonable costs, and not introduce undue burdens or requirements outside of local authorities existing capabilities or expertise'.

The key message for the public is that ***'there is no change to the risk from nuclear sites'***.

The key message for partner agencies is that the changes should not have a significant impact on response arrangement currently in place.

The ONR set the OPZ for civil nuclear sites at 30km.

My thanks to all our partner agencies for assisting ELC with completing this plan and in particular the Scottish Borders Council, Fife Council and Northumberland County Council who all have land within the 30km OPZ and therefore were required to work with us to ensure all information contained within the document is both factual and current.

Thanks also to RIMNET who provided much of the statistical information contained within this plan.

The maps used in this plan are taken from EARTHLIGHT software. Should an incident occur that results in the Torness Strategic Coordination Centre (TSCC) becoming operational this software will be used within this facility to display on large screens in most rooms all maps highlighted in this plan.



Monica Patterson
Chief Executive

2. Agencies who may be involved with any emergency response to a nuclear off-site incident at Torness²

- British Telecom
- City of Edinburgh Council (CEC)
- DEFRA CBRN Emergencies
- EDF Energy
- Food Standards Scotland (FSS)
- Food Standards Agency (FSA)
- Office for Nuclear Regulation (ONR)
- Maritime & Coastguard Agency (MCA)
- Midlothian Council (MLC)
- Network Rail
- NHS Borders
- NHS Lothian
- Police Scotland
- Public Health England (PHE)
- PHE Centre for Radiation, Chemical and Environmental Hazards
- Scottish Fire and Rescue Service (SFRS)
- Scottish Ambulance Service (SAS)
- Scottish Borders Council (SBC)
- Scottish Environment Protection Agency (SEPA)
- Scottish Government
- Scottish Water
- Torness Power Station

² Contact details for each agency are contained within the East Lothian Council, Torness Nuclear Emergency Response plan.

3. Amendment Record

[illegible]

4. Distribution List

The Torness Nuclear Power Station Off-Site Emergency plan and this Outline Planning Zone (OPZ) plan will be distributed through Resilience Direct. The plan will be uploaded onto the East Lothian Council, Lothian & Borders (L&B) Local Resilience Partnership (LRP) and the Local authority Nuclear Working Group (LAWNG) Resilience Direct 'pages'.

A redacted copy of this plan will be uploaded onto the East Lothian Council (ELC) website and made available through all ELC libraries.

5. Glossary of Abbreviations³

APHA	Animal Plant Health Agency
BT	British Telecom
CESC	Central Emergency Support Centre
CFIL	Community Food Intervention Levels
CPHM	Consultant in Public Health Medicine
CRCE	Centre for Radiation, Chemical and Environmental Hazards
CTA	Company Technical Adviser
DEPZ	Detailed Emergency Planning Zone
DPH	Director of Public Health
DRL	Diagnostic reference Levels
ECC	Emergency Control Centre
EDF	EDF Energy
ERC	Emergency Rest Centre
ERL	Emergency Reference Levels
FSS	Food Standards Scotland
ONR	Office for Nuclear Regulation
CRCE	Centre for Radiation, Chemical and Environmental Hazards
LAEC	Local Authority Emergency Centres
LRP	Lothian & Borders Local Resilience Partnership Group
MBC	Media Briefing Centre
MCA	Maritime & Coastguard Agency
NEPLG	Nuclear Emergency Planning Liaison Group
OEZ	Outline Emergency Planning Zone
OSF	Off-Site Facility
PHE	Public Health England
PIC	Public Information Co-ordinator
RRP	East Regional Resilience Partnership group
REPPIR	Radiation (Emergency Preparedness and Public Information) Regulations
RG	Recovery Group
RIMNET	Radioactive Incident Monitoring Network
RIO	Rail Incident Officer
RMU	Radiation Monitoring Unit
RPA	Radiation Protection Adviser
RMU	Radiation Monitoring Unit
SAS	Scottish Ambulance Service
SCC	Strategic Co-ordination Centre.
SCG	Strategic Coordinating Group
SAGE	Scientific Advisory Group in Emergencies
SGoRR	Scottish Government Resilience Room
SEPA	Scottish Environment Protection Agency
SFRS	Scottish Fire and Rescue Service
SGRD	Scottish Government Rural Directorate
SGLO	Senior Government Liaison Officer
SMAC	Strategic Media Advice Cell
SSPCA	Scottish Society for the Prevention of Cruelty to Animals
STAC	Scientific and Technical Advice Cell
TAG	Technical Assessment Guidance
TSCC	Torness Strategic Coordinating Centre
TCG	Tactical Coordination Group

The following link opens the UK Cabinet Office Emergency responder interoperability: lexicon

<https://www.gov.uk/government/publications/emergency-responder-interoperability-lexicon>

³ Not all used in this plan.

6. Background including statutory requirements for the OPZ

On 22nd May 2019 Radiation (Emergency Preparedness and Public Information) Regulations 2019 (REPPIR 2019) became law replacing REPPIR 2001. This new legislation passes over several new responsibilities for local authorities.

REPPIR 2019 places duties on operators and local authorities to plan for and manage the consequences from radiation emergencies arising from work with ionising radiation. The significant changes that impact, for the first time, on East Lothian Council are summarised below:

1. The Council now have the duty of setting the Detailed Emergency Planning Zone (DEPZ), a duty previously held by ONR.
2. *To extend 'outline' planning to 30km from the nuclear plant.*
3. To warn and inform the public, previously the responsibility of the operators.
4. To determine Reference Levels. This is a new activity around setting a limit to public radiation exposure and the new regulations place this duty on Local Authorities

This plan concentrates on point 2 above.

Regulation 9(1) and schedule 5 stipulate that an operating nuclear power plant, such as Torness NPP, must have an outline planning zone of 30km.

Regulation 9(4) requires that the planning in this area be commensurate to the risk of a radiation emergency affecting the area.

The information gathered from the 30km OPZ is primarily for strategic staff within the Torness Strategic Coordination Centre (TSCC) to make informed decisions and have the information they seek available immediately.

Parts of Fife Council (Isle of May⁴ only), the Scottish Borders Council and Northumberland Council (small area with a few farms) are all included within the 30km OPZ.

The OPZ plan is an extension of the Torness Nuclear Emergency Off-Site Response plan. The situation reporting, coordination and decision making process does not change nor do the roles of the core responding organisations, although Local Authorities, emergency services and NHS Trusts from outside the DEPZ may be integrated into the briefing and decision making processes. Protective actions in the OPZ are likely to be limited to shelter and possibly some additional distribution of stable iodine tablets. Protective actions will be carried out in areas determined by the SCG, prioritising areas where the available resource can have most impact.

⁴ The Isle of May is uninhabited. Scottish National Heritage are responsible for the Island and tourists visit the Island, particularly in the summer months.

The OPZ plan would be triggered by the SCG discussing the need for, or recommending protective actions beyond the DEPZ. In this event the Strategic Co-ordinator will make a declaration that the outline plan is in play alongside the off-site plan. Persons in the TSCC are expected to notify their organisations of this change.

7. Purpose of the Plan

The presence of an outline planning zone will assist East Lothian Council in planning for extremely unlikely, but more severe events. The central aim of the outline planning zone is to support the decision making of emergency responders in the event that detailed or generic arrangements are not sufficient. Outline planning is about identifying what protective actions may be needed at a strategic level, where those capabilities could be obtained from and the anticipated time frame over which they will become available, rather than having them in place ready to mobilise without delay.

This plan has sectorised the 30km OPZ and then taken the information from each sector based on vulnerable people such as care homes, schools and hospitals. The population in each sector has been identified. The roads within each sector are clearly visible. Strategic staff engaged with an unlikely nuclear related emergency at Torness can use this information to inform their decision making on any activity required, such as evacuating any specific area.

8. Risk

The likelihood of having to invoke protective actions to reduce public radiation exposure within the 30km OPZ are extremely low.

A fault which could trigger a requirement to implement protective actions beyond the boundary of the DEPZ would have a return frequency of greater than 1/20,000 in any 5 year period. Analysis by EDF indicates that there are no accident faults with moderate or greater consequences that have a return frequency of greater than 1/200,000 in any 5 years period.

These faults could lead to the recommendation that those near the site be evacuated and that the areas subject to shelter and stable iodine advice be extended further downwind. Severe faults could take several days to get under control. This OPZ plan describes how decisions on extending protective actions will be taken, outlines how they would be implemented and provides information on the population within the outline planning zone.

9. Protective Actions within the 30km OPZ

The planning to be undertaken by the local authority in relation to the outline planning zone must be commensurate to the risk of a radiation emergency affecting that area, and the local authority's off-site emergency plan, required under regulation 11, must clearly set out when that plan would be brought into effect in relation to the OPZ. This plan only includes strategic arrangements and considerations that would be necessary as the tactical and operational arrangements will be developed on the day. Deciding

on what protective actions would be advised would be determined on the day and subject to the circumstances at the time.

Regulation 2(1) of the (Radiation Emergency Preparedness and Public Information Regulations) (REPPIR) 2019) defines “protective action” as an action or actions taken in order to prevent or reduce the exposure of emergency workers, members of the public, the environment or the contamination of property from ionising radiation in the event of a radiation emergency, and includes the provision of appropriate information to the public.

This protective action can include:

Shelter

Asking residents to Shelter within their own homes or nearest facility, and ‘go in’, ‘stay in’ and ‘tune in’. Residents will be asked to , go indoors, bring domestic pets indoors, leave all farm animals where they are, close all outside doors and windows, switch off any ventilation or extractor fan, monitor social media and tune into local radio/television and listen for further instruction.

Radio stations will include:

Community radio station East Coast FM	107.6 FM
Radio Forth	97.3 FM
Radio Forth 2	1548 AM
Heart FM	100-101 FM
Radio Borders	103 FM or 96.8 FM
Radio Scotland	92-95 FM or 810 MW
Radio Scotland (Selkirk)	93.5 FM

Television

BBC Scotland, STV and/or Borders ITV News.

Facebook

East Lothian Council: East Lothian Council

EDF Energy: edf

Police Scotland: <https://www.facebook.com/PoliceScotland/>

Twitter

East Lothian Council: ELCouncil

EDF Energy: @edfenergycomms

Police Scotland: <https://twitter.com/policescotland>

Stable Iodine

Stable iodine tablets contain a salt of stable (not radioactive) iodine that can help block radioactive iodine from being absorbed by the thyroid gland. Taking stable iodine tablets floods the thyroid gland, so that it cannot absorb any more of the radioactive iodine.

Stable iodine tablets have been delivered to every household within a 3km radius of Torness known as the Detailed Emergency Planning Zone (DEPZ). There is no need to expand this distribution aligned to the risk.

It would be disproportionate to pre-position stable iodine for the OPZ population given outline planning is about identifying where capabilities could reasonably be obtained from and how decisions on protective action would be made.

I

If stable iodine tablets were to be issued it would be for the SCG at the TSCC to decide on how best this would be accomplished. Advice will be sought from the STAC and the availability of local resources. There are several options available including, door to door delivery and/or opening distribution centres for individuals to collect tablets from. The SCG will decide on the most appropriate distribution method at the time based on

Evacuation of inner zone areas

In a severe accident it may be decided to evacuate those nearest to the site. If asked to evacuate members of the public will be told where a Rest Centre is available and asked to make their own way there. Those unable to organise their own transport will be assisted by the Local Authority.

All councils are responsible for care for people and if evacuation was progressed both ELC and SBC would open up pre-determined rest centres as required and as per their specific rest centre plans.

It should be noted that it is very unlikely that this protective action will be used for anyone outside a 5km radius of the Torness Nuclear Power Station.

10. Transport

If a decision is taken that an area and/or sector is to be evacuated the responder agencies should consult East Lothian Council (ELC) who have *prearranged arrangements* with local bus companies to assist with conveying the public during emergencies as requested. If there are not enough buses to cope from local bus companies ELC/SBC will seek mutual aid through the Lothian & Borders (L&B) Local Resilience Partnership group (LRP).

The ELC/SBC Roads managers or his/her deputies have access to the contact numbers for the bus companies concerned. These contact details can be made available for staff in the TSCC at short notice. The ELC 24/7 Contact Centre, located in the same building as the TSCC, also has the required contact details should they be required for ELC.

11. Rest Centres

East Lothian Council and Scottish Borders Council have pre designated Rest Centres that may open to shelter and feed those members of the public being asked to evacuate. NHS Scotland have a Radiation Monitoring Unit (RMU) plan that would be set up if there was a perceived need. Should any pre designated Rest Centre be opened the public will be monitored for radiation before being allowed entry to the said facility.

If further Rest Centres were required mutual aid would be sought through the Lothian & Borders (L&B) Local Resilience Partnership (LRP).

12. Local Authorities involved with the Torness 30km OPZ

East Lothian Council and Scottish Border Council have large areas of land within the OPZ. Northumberland County Council has a small piece of land to the north east of Northumberland within the plan containing several farms. The Isle of May, within the Firth of Forth is covered by Fife Council. This island is uninhabited.

13. Explanation of data gathered

RIMNET (Radioactive Incident Monitoring Network) staff have provided the information contained within this plan relative to population, number of people expected to be on the road, bumper to bumper, at any one time if the roads were congested and care home residents. RIMNET use the National Population Database (NPD).

The NPD, was first developed for the HSE in 2004 for use in assessing potential risks to the public from major accident hazard installations such as chemical plants and pipelines. It is now used by a broader pool of organisations including other Government Departments and regulators as well as commercial organisations. The data provided by RIMNET is the most current available.

Further information can be found through the following link:

<https://www.hse.gov.uk/research/rrhtm/rr1130.htm>

Other data gathered such as information on schools, doctors and pharmacies was obtained through local knowledge and related council service departments.

14. Sector overview of the Torness 30km OPZ

The sectors included in this plan align with the sectors RIMNET use for their data, including population, gathering plans. By using the RIMNET sectors the data is as current as can be and factually correct.

The sectors are as follows:

Sector	Distance	Council
D1 – D8	3km – 10km	East Lothian and a small part of Scottish Borders
E1 – E8	10km – 20km	East Lothian and Scottish Borders
F1 – F8	20km – 30km	East Lothian, Scottish Borders, Fife and Northumberland

15. Population overview within the 3km - 30km Torness OPZ

The population figures do not include the 3km Detailed Emergency Planning Zone (DEPZ). Information on the DEPZ can be found within the main Torness Nuclear Emergency Response Plan.

Population figures within this plan concentrate on an area between 3km and 30km.

Sector D: 3km – 10km

Sector	Population	Population during school term time	Population during school holidays	Care Home residents	Caravan/Camping sites	Doctors	Pharmacies	Schools
D1								
D2								
D3	246	97	119		1			
D4	791	295	395			1		1
D5	122	37	52					
D6	242	70	96		1			
D7	12,640	4,640	6,414	59	2	3	2	4
D8								
Total	14,041	5,139	7,076	59	4	4	2	5

Sector E: 10km – 20km

Sector	Population	Population during school term time	Population during school holidays	Care Home residents	Caravan/Camping sites	Doctors	Pharmacies	Schools
E1								
E2								
E3	1,675	757	903		2	1		1
E4	1,260	443	592					1
E5	382	151	382					
E6	1,057 ⁵	337	491					1
E7	3,683	1,451	1,921	23	2	1	1	1
E8								
Total	8,057	3,139	4,289	23	4	2	1	4

⁵ Nunraw Abbey is located within sector E6.

Sector F: 20km – 30km

Sector	Population	Population during school term time	Population during school holidays	Care Home residents	Caravan/Camping sites	Doctors	Pharmacies	Schools
F1								
F2								
F3	5,594	2,501	3,124		1	1	1	3
F4	8,509	3,527	4,548			3	3	4
F5	1,246	459	644		1	1	1	2
F6	23,455	5,719	7,716	112	1	3	3	7
F7	16,825	6,905	9,311	187	2	2	3	6
F8								
Total	55,629	19,111	25,343	299	5	10	11	22

Sector totals 3km – 30km

Sector	Population	Population during school term time	Population during school holidays	Care Home residents	Caravan/Camping sites	Doctors	Pharmacies	Schools
D	14,041	5,139	7,076	59	4	4	2	5
E	8,057	3,139	4,289	23	4	2	1	4
F	55,629	19,111	25,343	299	5	10	11	22
Total	77,727	27,389	36,708	381	14	16	14	31

16. School overview within the 3km - 30km Torness OPZ

Council	Primary School	Pupils	Sector
ELC	Belhaven Hill School	119	D7
	Dunbar	1,161	D7
	West Barns	102	D7
	Stenton	22	E6
	East Linton	190	E7
	St Mary's RC	151	F6
	Yester	178	F6
	Haddington	804	F6
	Saltoun	33	F6
	Pencaitland	33	F6
	Letham Mains	24	F6
	Law	725	F7
	Aberlady	149	F7
	Athelstaneford	68	F7
	Gullane	238	F7
	Dirleton	67	F7
SBC	Cockburnspath	35	D4
	Coldingham	58	E3
	Reston	50	E4
	Ayton	65	F3
	Eyemouth	326	F3
	Chirnside	165	F4
	Swinton	55	F4
	Duns	376	F4
	Greenlaw	65	F5
	Westruther	38	F5
Total		5,297	

Council	Secondary Schools	Pupils	Sector
ELC	Dunbar Grammar	1,092	D7
	Knox Academy	807	F6
	North Berwick	1,009	F7
SBC	Eyemouth High	411	F3
	Berwickshire High	655	F4
Total		3,974	

Council	Total Schools	Pupils
ELC	19	6,972
SBC	12	2,299
Total	31	9,271

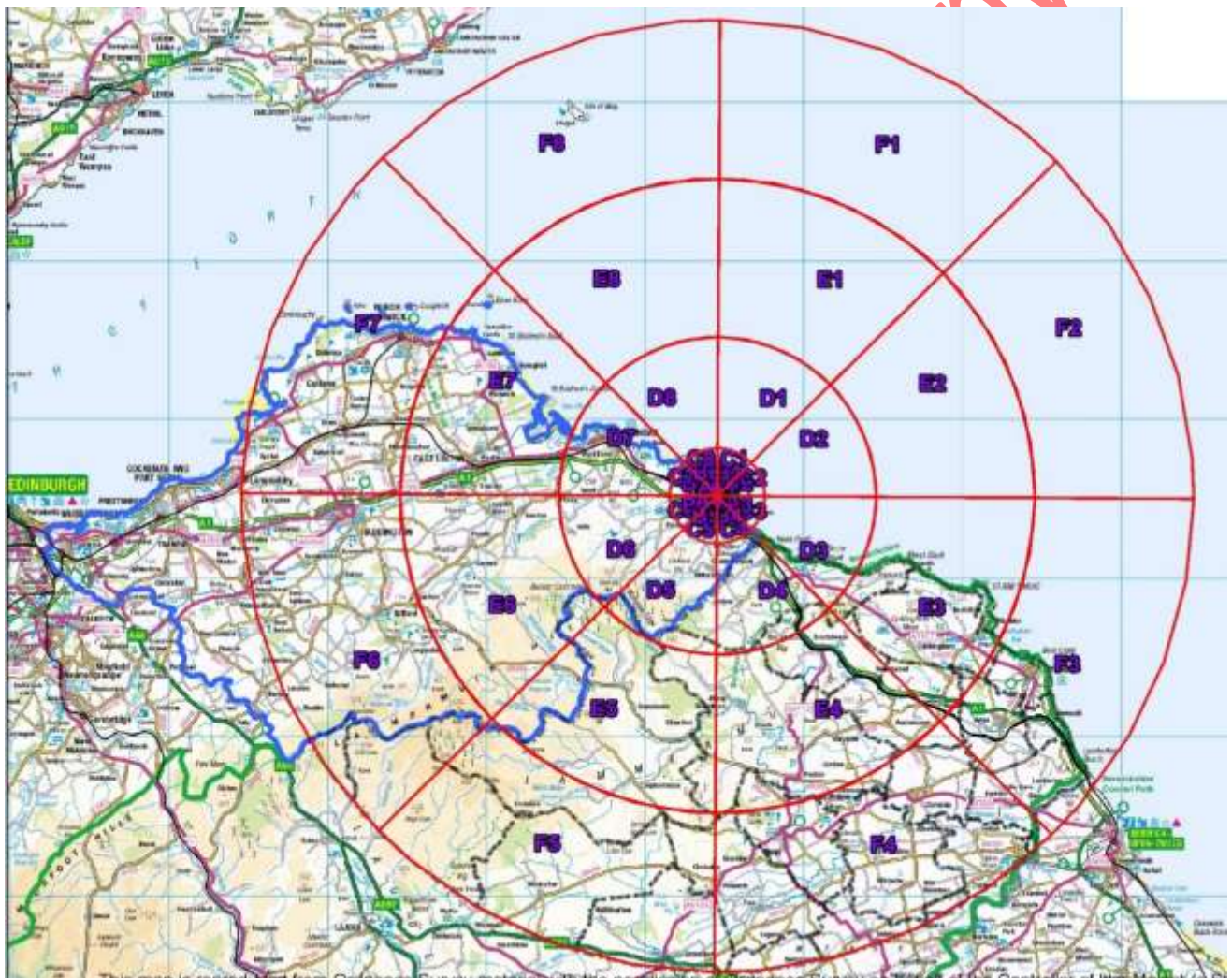
17. Traffic considerations

Although the main public safety protective actions envisaged for implementation in the Outline Planning Zone are sheltering and stable iodine, traffic flow from the area might become problematic if a large number of people decide to self-evacuate.

Control points will be identified by the Police at strategic locations within the Outline Planning Zone in order to regulate access to any areas where protective actions have been implemented.

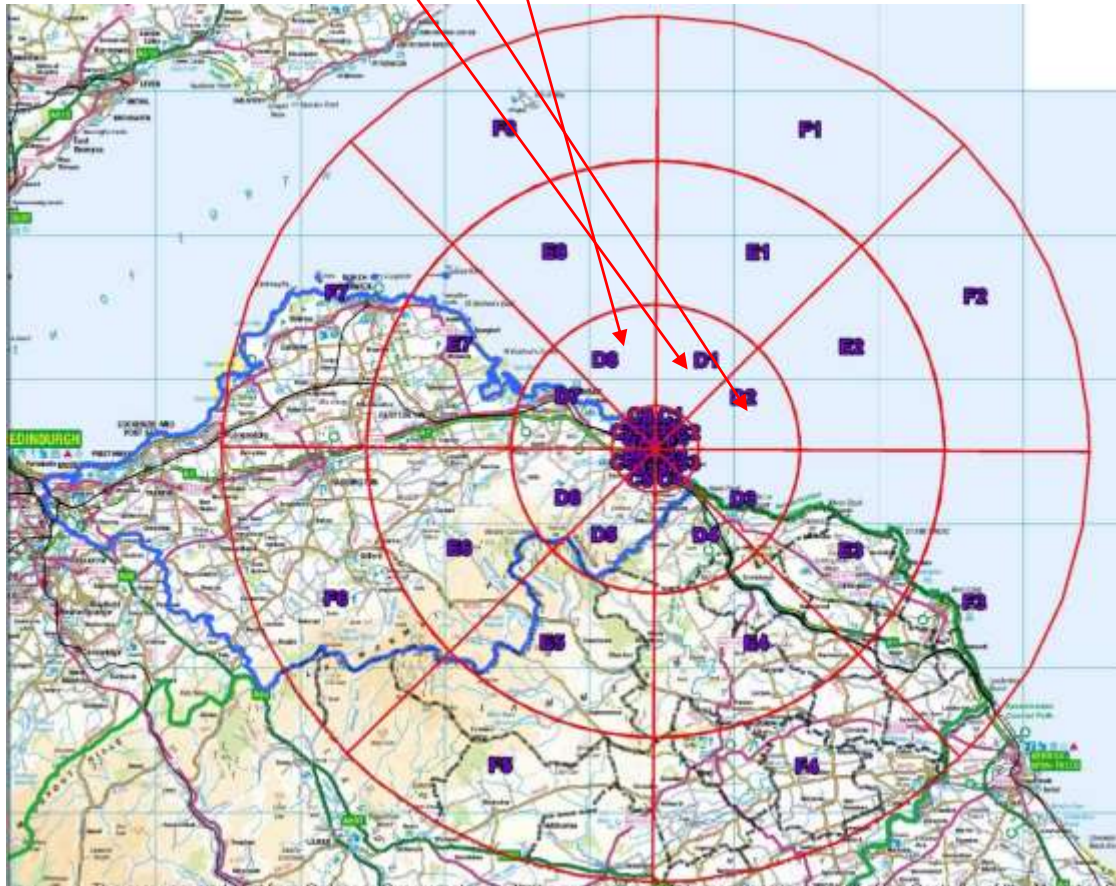
18. TNPS Off-Site Emergency Plan: OPZ 3 to 30km (D1 – F8)

18.1 Overview of OPZ 3 -30km



19 OPZ 3 to 10km (D1 – D8)

19.1 Torness OPZ: D1, D2 and D8 Sea only, no land



19.2 Torness OPZ: D3



Brief description: Fully within Scottish Borders. Southeast of the plant. Coastline with several paths and walkways frequented by dog walkers and day walkers alike. Children often play in the many caves found on the coastline. The area is rural with several farms. There are a few settlements and steadings. Of note is the Pease Bay Leisure Park with 350 static mobile homes. No caravans or camping are allowed. Each pitch can take between 4 and 6 persons dependent on the time of year.

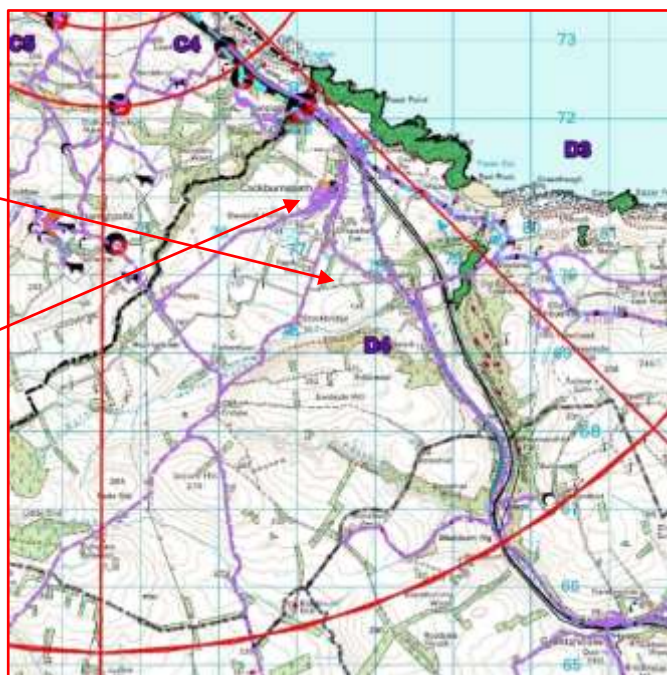
There are no major roads. There is a small harbour at Cove.

D3: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	119	
Pop during school term time	97	
Night time population	246	
People on main road: bumper to bumper	2,118	
Caravans/Leisure park:		
Resilient Community	SBC: Cockburnspath.	Contact through SBC.

19.3 Torness OPZ: D4



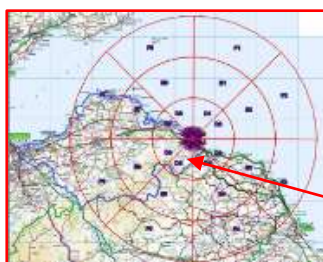
Cockburnspath Village.



Brief description: Almost fully within Scottish Borders to the south east of the plant. There is one coastal village, Cockburnspath which is popular with tourists, surfers and walkers thanks to the nearby beaches and coastal walks, with a population of 411 in the 2011 census. There is one primary school located here. *Of note is that the A1 and the main east coast rail line are both routed through this area from north to south.*

D4: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	395	
Pop during school term time	295	
Night time population	791	
People on main road: bumper to bumper	5,154	
Doctor's	Doctors: Eyemouth Medical Centre. Cockburnspath	1
Primary School	Cockburnspath Primary School 35 pupils.	
Farms	several	
Resilient Communities	ELC: East Lammermuir. SBC: Cockburnspath.	SPoC from ELC. Contact through SBC.

19.4 Torness OPZ: D5



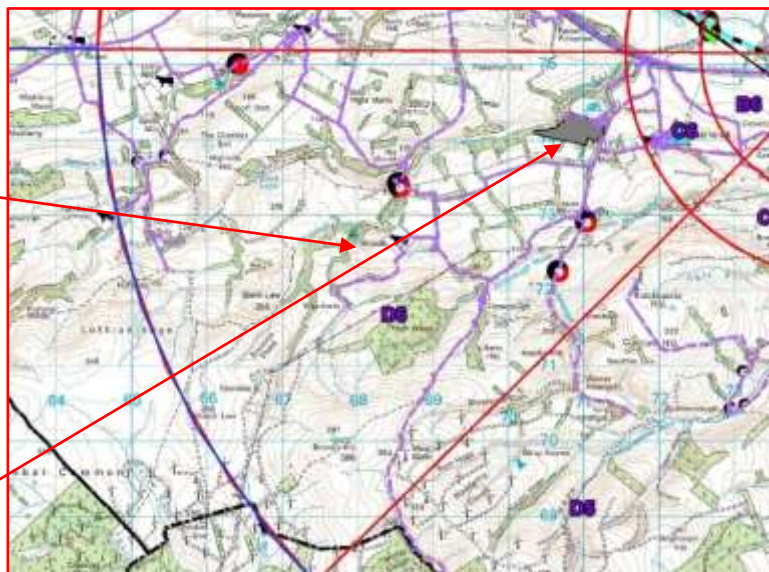
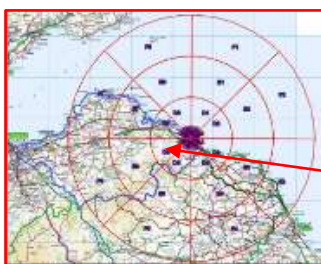
Oldhamstocks Village



Brief description: Almost fully within East Lothian Council with a small uninhabited area within Scottish Borders to the south of the plant. There is one village, Oldhamstocks with a population of 198. To the south west of this sector is a large wind farm in the Lammermuir Hills at Monynut Edge.

D5: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Population during school holidays	52	
Population during school term time	37	
Night time population	122	
Farms	Several	
Rest Centres		
Resilient Community	ELC: East Lammermuir	SPoC from ELC

19.5 Torness OPZ: D6



Thurston Manor Leisure Park

Brief description: Fully within East Lothian Council to the south west of the plant. There are no settlements but this area does border onto Innerwick, the only village within the Torness 3km DEPZ! It is rural with several farms.

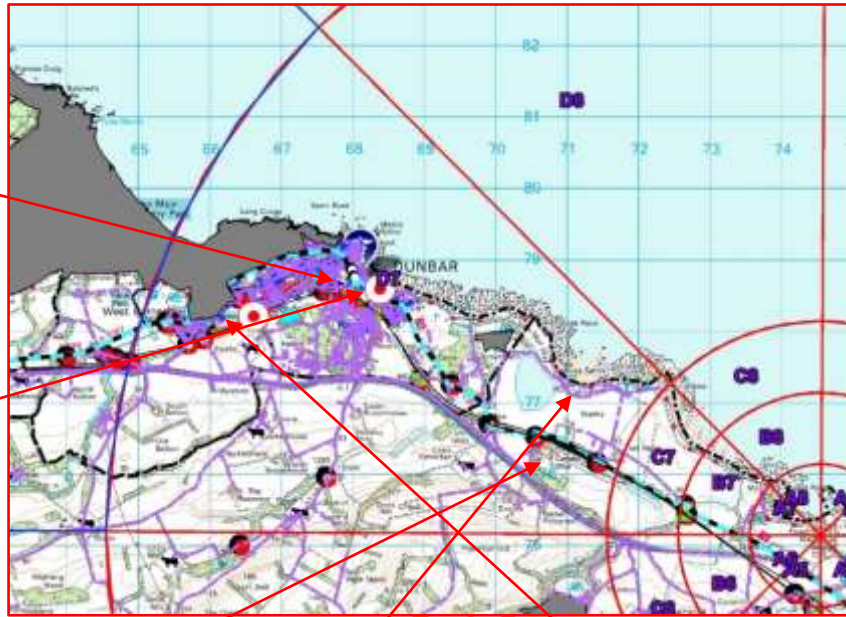
Of note is the large Thurston Manor Leisure Park located near to Innerwick on the north east corner of this segment. Luxury self-catering accommodation and holiday homes located within 176 acres. Season 15th February to the 3rd January. There are 80 static mobile homes.

D6: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	96	
Pop during school term time	70	
Night time population	242	
Caravans/Leisure park:	Thurston Manor Leisure Park, Thurston Manor, Innerwick Dunbar. EH42 1SA = 80 static mobile homes.	
Farms	Several	
Resilient Communities	Dunbar and East Lammermuir	SPoC from ELC

19.6 Torness OPZ: D7



Dunbar & busy harbour



Dunbar Tarmac Cement Plant



Thortonloch Caravan Park



Bellhaven Camping Caravan/camping

Brief description: Fully within East Lothian Council this segment is located to the northwest of the plant. It is rural to the south and urban to the north with the ever expanding coastal town of Dunbar located here.

The population of Dunbar is 8,490 as per the 2011 census. There are also a few smaller villages such as West Bams and Spott.

A large number of Torness staff reside in Dunbar.

The A1 and major east line rail line are routed this segment from east to west.

Dunbar has a very popular harbour with many fishing boats working from here.

Dunbar hosts many tourists and walkers for the John Muir Country Park. It has a large swimming pool, run by East Lothian Council that is busy all year round.

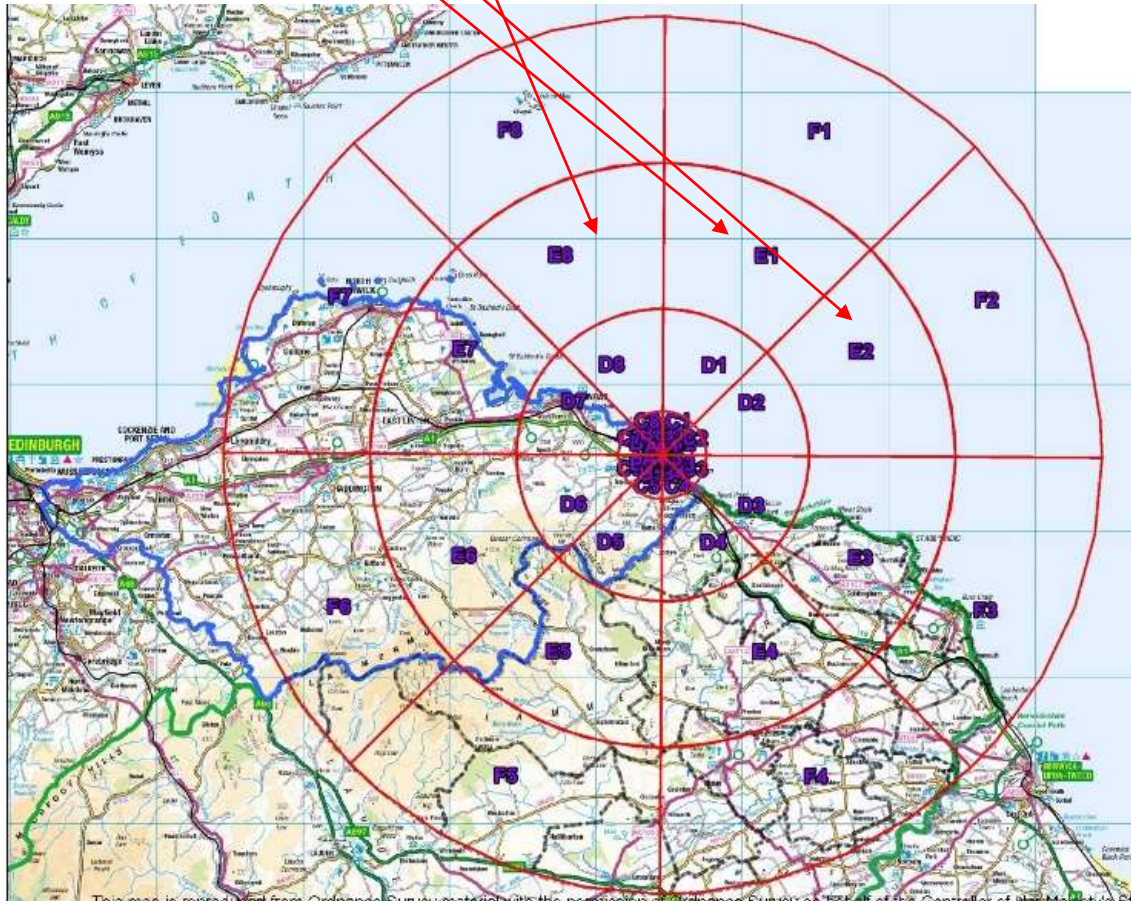
Dunbar two golf courses, Dunbar and Winterfield. Contact details are retained by ELC.

The Tarmac Cement Plant near Dunbar employs about 130 full time staff and a quarry nearby provides the material required.

D7: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Population during school holidays	6,414	
Population during school term time	4,640	
Night time population	12,640	
Hospital patients	14	
People on main road: bumper to bumper	11,311	
Care Home Residents	59	
Care Homes	Belhaven Nursing Home. Beveridge Road, Dunbar. EH42 1TR Residents = 11	
Care Homes	Lammermuir Nursing Home, East Links Road, Dunbar. EH42 1LT Residents = 48	
Pharmacies	Aitken. EH42 1EW Lloyds. EH42 1EW	
Country Parks	John Muir Country Park	
Farms	10	
Doctor's	Whiteside Medical Practice EH42 1EE Lauderdale Medical Practice Cromwell Harbour Medical Centre	
Hospitals	Bellhaven Community Hospital Beveridge Row, Dunbar, EH42 1TR	
Police assets	Dunbar police station. Bellhaven Road, Dunbar. EH42 1DA	
Boarding School Pupils	Boarding school with 119 pupils: Belhaven Hill School, Dunbar EH42 1NN. Children aged 7-13. 119 pupils	
Primary Schools	Dunbar Primary School. EH42 1DG 1,161 pupils West Barns Primary School EH42 1TZ102 pupils	
Secondary School	Dunbar Grammar School EH42 1NJ 1,092 pupils	
Rest Centre		
Caravan		
Caravan/camping		
Industry	Tarmac Cement Plant near Dunbar. Employs 130 full time staff. Dunbar Plant, Dunbar EH42 1SL	
Industry	Belhaven Brewery, Brewery Lane Dunbar, EH42 1PE.	
Dunbar Harbour	Harbourmaster:	
Resilient Communities	Dunbar and West Barns.	SPoC from ELC
Railway Station	Dunbar Railway Station: 2 x platforms	BTP

20. DEPZ 10 to 20km (E1 – E8)

20.1 Torness OPZ: E1, E2 & E8 Sea only, no land



OPZ REC

20.2 Torness OPZ: E3



Coldingham



St. Abbs and harbour



Brief description: Fully within Scottish Borders to the south east of the plant. There are two villages, Coldingham (pop 561 in the 2011 census) and Reston (pop 450 in the 2011 census) and a small, remote, coastal/fishing village, St. Abbs (pop 215 in the 2011 census).

St Abbs Head is a designated Site of Scientific Interest and a wildlife reserve, it is home to a large population of nesting seabirds. The land is owned by the National Trust for Scotland.

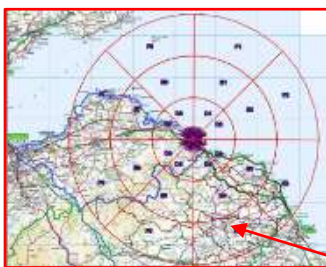
St Abbs and Eyemouth Voluntary Marine Reserve runs for 8km along the coast from St Abbs Head to Eyemouth and is one of the UK's most popular dive sites.

The A1107 is routed through this segment.

A large wind farm is located in the southwest of the segment.

E3: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop: during school holidays	903	
Pop: during school term time	757	
Night time population	1,675	
People on main road if they were all bumper to bumper	7,592	
Care home residents		
Care Homes	Shieling Nursing Home Coldingham Bay TD14 5PA Coldingham	
Farms	13	
Doctor's	Eyemouth Medical Practice (Coldingham). School Road, Coldingham. TD14 5NS	
Primary School	Coldingham Primary School, 2 Priors Walk. TD14 5PE 58 pupils	
Caravan/Camping		
Resilient Communities	SBC: Reston and Auchencrow.	Contact through SBC.

20.3 Torness OPZ: E4



Auchencrow



Brief description: Fully within Scottish Borders to the south east of the plant. There are no villages or towns but several small, remote, settlements such as Auchencrow, Grantshouse, Preston and Houndwood.

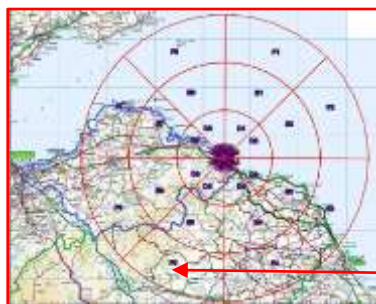
It is a very rural area.

The A1 and major east line rail line are routed this segment from north to south.

A large wind farm is located in the southwest of the segment.

E4: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Population during school holidays	592	
Population during school term time	443	
Night time population	1,260	
People on main road if they were all bumper to bumper	10,820	
Primary School	Reston Primary School, TD14 5LD 50 pupils	
Farms	20	
Resilient Communities	SBC: Grantshouse and Houndwood Reston and Auchencrow Abbey St Bathans, Preston and Bonkyl	Contact through SBC.

20.4 Torness OPZ: E5



Whiteadder Reservoir



Brief description: Almost fully within Scottish Borders to the south of the plant with a small area to the northwest within East Lothian. There are no villages or towns but several small, remote, settlements such as Cranshaws, Longformacus and Ellemford.

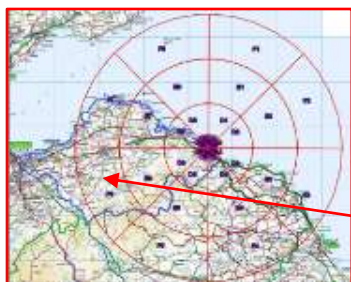
It is an extremely rural area.

A large wind farm is located in the southeast of the segment.

E5: Earthlight Software Information

Topic	Description / Numbers	Contact Nos.
Population during school holidays	203	
Population during school term time	151	
Night time population	382	
Farms	3	
Resilient Communities	SBC: Abbey St Bathans, Preston and Bonkyl	Contact through SBC.

20.5 Torness OPZ: E6



Stenton: John Gray Centre



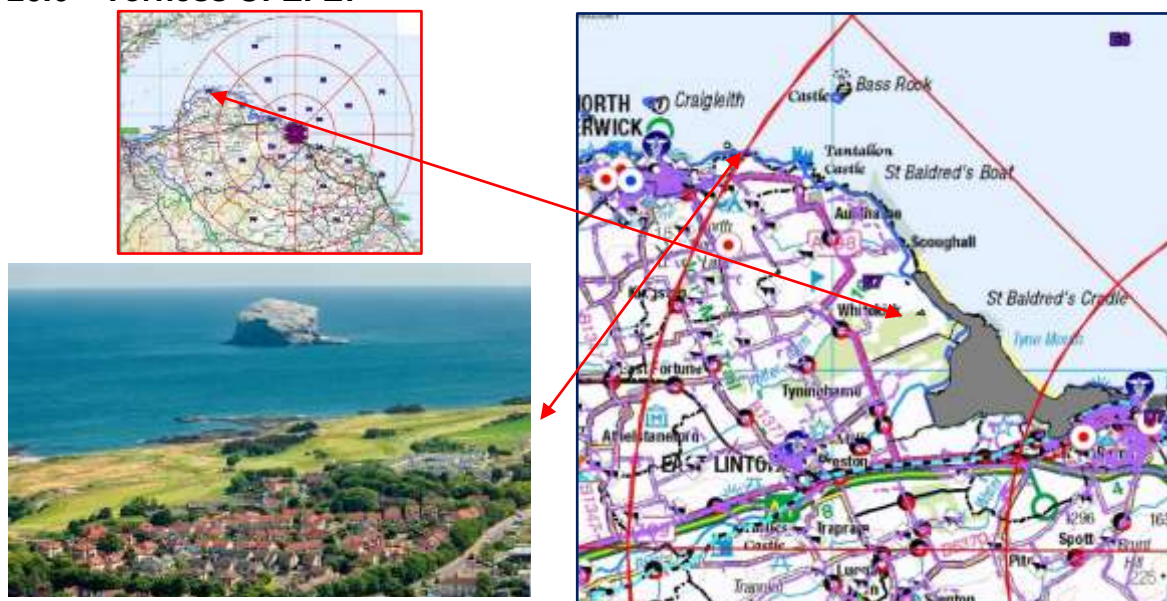
Brief description: Almost fully within East Lothian Scottish Borders to the southwest of the plant with a small area to the far east within Scottish Borders. It is an extremely rural area. There are only small villages in this area, Stenton with a population of 686 and Garvald with a population of 280 (both approximately). There are a few very small villages such as Papple and Traprain.

Of note is that Nunraw Abbey is located in this segment south of Stenton/Garvald. It is occupied by men and women of the 'Order of Cistercians of the Strict Observance'.

A large wind farm is located in the east of this segment transgressing the boundary between East Lothian and Scottish Borders.

E6: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Population during school holidays	491	
Population during school term time	337	
Night time population	1,057	
Farms	15	
Primary school	Stenton primary school. EH42 1TE 22 pupils	
Rest Centres	Garvald Village Hall Morham Community Hall	
Abbey (occupied 24/7)	Nunraw Abbey.4 Castle Moffat Cottages, Haddington EH41 4LW (near Garvald)	
Resilient Communities	Haddington, Dunspeir and Garvald & Morham	SPoC from ELC

20.6 Torness OPZ: E7



Brief description: Fully within East Lothian to the northwest of the plant. It is a rural area with a few villages. East Linton is the biggest village with a population 1730 (2011 census). There are a number of smaller villages such as, Whitekirk and Tynninghame.

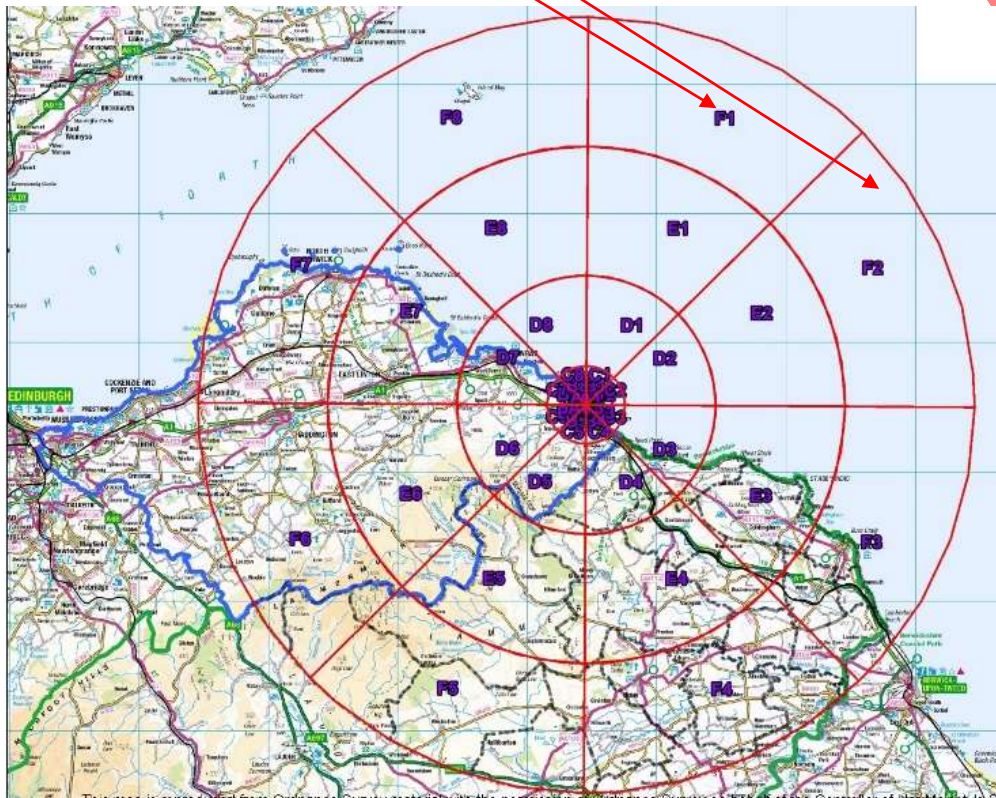
The famous John Muir Country Park is within this segment attracting large numbers of walkers.

Of note is that the Bass Rock is located within this area. This world famous landmark attracts a lot of tourists, particularly during the summer and many boat trips are made to see the rock and the famous gannets. Tantallon Castle is also here and, attracts many tourists.

E7: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	1,921	
Pop during school term time	1,451	
Night time population	3,683	
People on main road: bumper to bumper	23,667	
Care home residents	23	
Care Homes	Leuchie House	
Pharmacies	Linton Pharmacy 1 Bridge St, East Linton EH40 3AG	
Country Parks	Country Park: John Muir Country Park	
Farms	31	
Doctor's	East Linton Surgery: Station Rd, East Linton EH40 3DP	
Primary schools	East Linton Primary school: 2 Walker Terrace, East Linton EH40 3AL 190 pupils	
Caravans		
Residential park mobile home.		
Rest Centres		
Family Entertainment	East Links Family Park. EH42 1XF	
Resilient Communities	North Berwick, Dunspeir and Spott	

21. DEPZ 20 to 30km (F1 – F8)

21.1 Torness OPZ: F1 & F2 Sea with no land



OPZ Risk

21.2 Torness OPZ: F3



Ayton Village



Eymouth Harbour



Northumberland

Brief description: Mainly within the Scottish Borders this segment is located to the southeast of the plant.

In the southeast corner of this segment is a small area within Northumberland, England. This area consists of 33 residential properties, 4 farms, a country house hotel and a large caravan park with the capacity for 130 pitches. At high season the caravan park could have 400 people on site.

The area is mainly sea to the north but one of the largest towns in the Scottish Borders is located on the coast here, Eyemouth. With a population of 3550 (2011 census) Eyemouth is predominantly a fishing town. There are a few more villages in this area, Ayton 519 (2011 census), Burnmouth 220 (census 2011) and Lamberton.

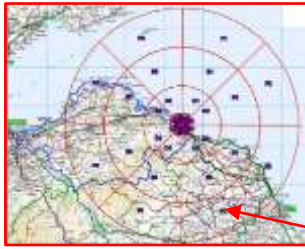
The A1 and main east coast rail line are routed through this segment from north to south.

Eyemouth has a very popular harbour with many fishing boats working from here is a 24-hour, lock-free access, to a deep-water berthing facility.

OPZ Redacted Public Copy

F3: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	3,124	
Pop during school term time	2,501	
Night time population	5,594	
People on main: bumper to bumper	11,010	
Care home residents	35	
Care homes	Saltgreens Residential care home Chapel Street, Eyemouth. TD14 5HF SBC owned and registered for a maximum of 35.	
Farms	12	
Doctor's	Eyemouth Medical Practice Houndlaw Park, Eyemouth TD14 5DD	
Hospitals	Eyemouth day hospital Houndlaw Park, Eyemouth TD14 **no hospital bed. Day care only**	
Pharmacies	Eyemouth Pharmacy (GLM Romanes Ltd) 6 Church Street, Eyemouth. TD14 5DH	
Police assets	Eyemouth Police Station 28 Coldingham Rd, Eyemouth TD14 5AW	
Primary schools	Ayton Primary Beanburn, Ayton, TD14 5QZ 65 pupils Eyemouth Primary TD14 5AN 326 pupils	
Secondary school	Eyemouth High School Gunsgreenhill Eyemouth. TD14 5LZ 411 pupils	
Caravans		
Rest Centres		
Harbour	Eyemouth Harbour Office (Trust), Gunsgreen Basin, Eyemouth. TD14 5SD Harbour Master	
Leisure	Eyemouth Leisure Centre North Street, Eyemouth. TD14 5ET. Several swimming pools and gymnasiums.	
Resilient Communities	SBC: Eyemouth and Ayton.	Contacted through SBC.

21.3 Torness OPZ: F4



Duns



Brief description: Mainly within the Scottish Borders this segment is located to the southeast of the plant. However, in the southeast corner of this segment is a very small area within Northumberland, England. This small area consists of a couple of farms only.

The area is mainly rural but one of the largest towns in the Scottish Borders is located here, Duns with a population of 2753 (2011 census).

Duns is predominantly a market town. There are a few villages in this area, Chirnside population 1460 (2011 census) and Swinton population 226 (2011 census). There are many small settlements and farms.

OPZ Redacted Public

F4: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	4,548	
Pop during school term time	3,527	
Night time population	8,509	
Hospital patients	23	
People on main road bumper to bumper	18,460	
Care home residents		
Care homes	Mount View/Teindhillgreen, Duns, The Scottish Borders TD11 3DX	
Farms	38	
Doctor's	Duns Medical group , The Knoll, Station Road, Duns, TD11 3EL Merse Medical Practice (Duns) (as above) Merse Medical Practice (Chirside) South Crofts, Chirside, TD11 3XP	
Hospitals	Knoll Community Hospital/ day Hospital With a 23 bed ward. Station Road, Duns. TD11 3EL Supporting acute hospital services and services to meet local health needs. Health care provided includes acute medical care for the elderly and also terminal care, convalescent care, respite care and rehabilitation. These are provided both to in-patients and on a day care basis.	
Pharmacy	Jesmond Crosshill, Chirside, Duns, TD11 3XW G L M Romanes Chemist Ltd 1-3 Market Square, Duns, TD11 3DB Greenlaw Pharmacy 4 The Square, Greenlaw, Duns, TD10 6UD	
Police assets	Duns Police station 10 Newtown St, Duns TD11 3DT	
Primary schools	Chirside Primary, Chirside, TD11 3XH 165 pupils Swinton Primary, Coldstream Rd, Swinton, TD11 3JE 55 pupils Duns Primary, Langtongate, Duns, TD11 3QQ 376 pupils	
Secondary school	Berwickshire High school, Duns, TD11 3QG 655 pupils	
Leisure	Duns Swimming Pool. Berwickshire High School, Duns TD11 3QQ	
Resilient Communities	SBC: Hutton and Paxton, Swinton, Duns Gavinton and Polwarth	Contacted through SBC.

21.4 Torness OPZ: F5



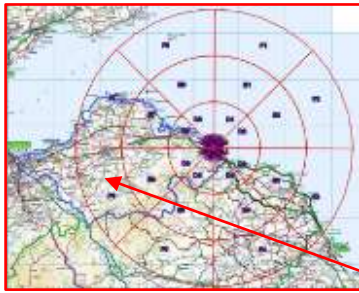
Brief description: Fully within the Scottish Borders this segment is located to the south of the plant.

The area is rural with several small villages such as Greenlaw population 653 (2011 census) and Westruther population 100 (approximately).

The area has the Lammermuir Hills within it and part of a windfarm in the northwest corner.

F5: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	644	
Pop during school term time	459	
Night time population	1,246	
Hospital patients		
People on main road bumper to bumper	8,789	
Farms	16	
Primary Schools	Greenlaw Primary, Greenlaw, TD10 6XJ 65 pupils Westruther Primary Westruther, Gordon, TD3 6NE 38 pupils	
Doctor's	Greenlaw Surgery. Duns Rd, Greenlaw, Duns TD10 6XJ	
Pharmacy	GLM Romanes Ltd Greenlaw, 4 The Square, Greenlaw, Duns TD10 6UD	
Caravan's		
Resilient Communities	SBC: Greenlaw and Hume Westruther.	Contact through SBC.

21.5 Torness OPZ: F6



Haddington



Gifford



Brief description: Fully within East Lothian Council this segment is located to the southwest of the plant. It is rural to the south (Lammermuir Hills) and urban to the north.

The largest town in the area and indeed one of the largest in East Lothian is Haddington, a market town, with a population of 9060 (2011 census). There are many small villages in this segment including, Gifford, Bolton, West and East Saltoun and Gladsmuir. The east end of Pencaitland is also within this area.

The A1 and main east line rail line are routed this segment from east to west.

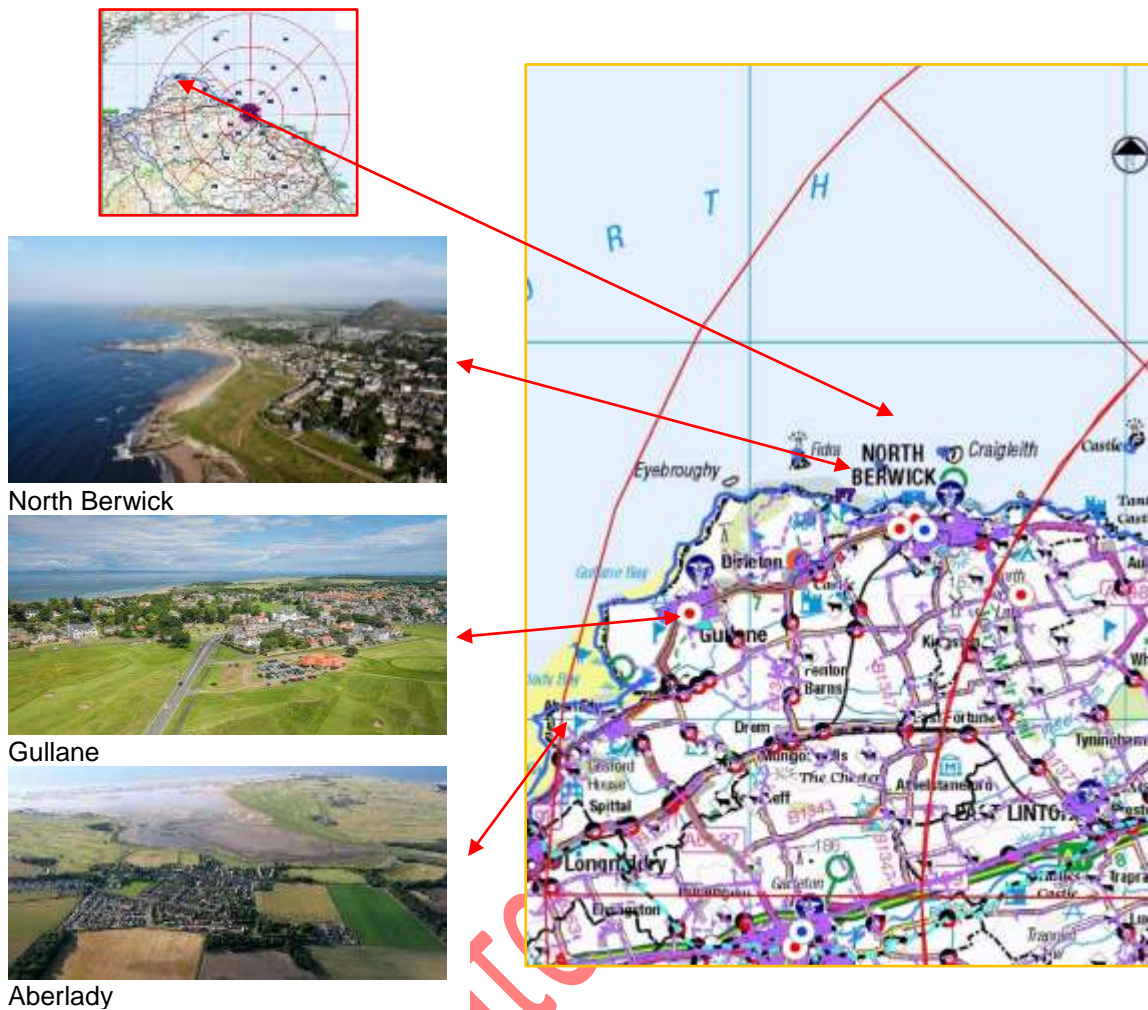
Haddington hosts the East Lothian Council HQ, John Muir House and several other council facilities.

The area, like a lot of East Lothian, is expanding fast with new housing developments either ongoing and/or in the planning stages.

In the southeast corner of this segment is the Fallago Rig windfarm operated by EDF renewables/WPO/Pager Power Ltd with 48 turbines.

F6: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	7,716	
Pop during school term time	5,719	
Night time population	14,866	
Hospital patients	57	
People on main road: bumper to bumper	23,455	
Care Home Residents	110	
Care Homes	Haddington Care Home, Mill Wynd, H'ton EH41 4FG. Offers levels of Nursing, Residential and Dementia Care. Residents = 68 Hilton Lodge (private) Nursing Home, 60 Court St, Haddington EH41 3AF. Residents = 20 Florabank Christian Residential Home, 18 Florabank Rd, Haddington EH41 3LR. Residents = 24	
Pharmacies	Right Medicine Pharmacy, 20 High St, H'ton EH41 3ES Market Street Pharmacy, 22 Market St, H'ton EH41 3JE BOOTS, 35-36 High St, Haddington EH41 3EE	
Farms	81	
Doctor's (three in one building.)	Tyne Medical Practice, Lammermuir Medical Practice The Orchard Medical Practice All located at: Newton Port, Haddington EH41 3NF	
Hospitals	East Lothian Community Hospital, Hospital Rd, Haddington EH41 3PF. A three story hospital with 132 beds and several outpatients departments and a pharmacy in Haddington. The hospital includes all services provided previously in Roodlands and Herdmanflat Hospital. The new build is also able to support patients previously in Haddington Care Home, Crookston Care Home, and Midlothian Community Hospital.	
Police assets	Haddington Police Station, 39-41 Court Street.	
Primary Schools	St. Mary's RC Primary School Tynebank Rd, Haddington EH41 4DN 151 pupils Yester Primary School 16 Walden Terrace, Gifford, Haddington EH41 4QP 178 pupils Haddington Primary School Joint Campus, Tynebank Rd, Haddington; Postcode: EH41 4DN 804 pupils Saltoun Primary School 2 Main St, East Saltoun, Pencaitland, Tranent EH34 5DZ 33 pupils Letham Mains Primary School 52 Arthurs Way, Haddington EH41 3DG 24 pupils	
Secondary School	Knox Academy Pencaitland Road, Haddington EH41 4DT. 807 pupils	
Rest Centres		
Caravan/camping		
Resilient Communities	Haddington and Gifford	SPoC from ELC

21.6 Torness OPZ: F7



Brief description: Fully within East Lothian Council this segment is located to the west of the plant. It is rural to the south and urban to the north, particularly on the coast. About half of the segment, to the north, is the Firth of Forth with the small uninhabited islands of Fidra, Craigleith and Lamb attracting a lot of interest from tourists, particularly in the summer.

The coastal area is extremely popular with tourists and visitors from nearby Edinburgh, increasing the population greatly in the summer months. Of note is Gullane and North Berwick that both have a large number of hotels, B&Bs and guest houses. There are two large caravan/camping sites.

The area is also popular with golfers. There are several well-known golf courses close to the coast including the world famous Muirfield golf course, Muirfield is a regular host of the British Open, most recently in 2013.

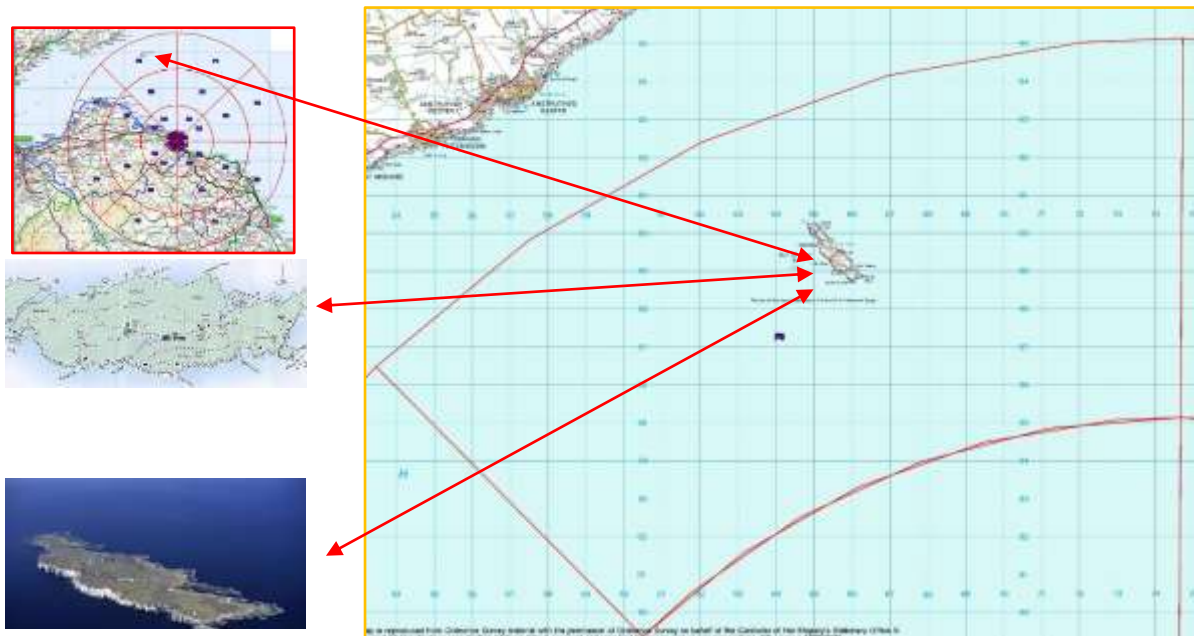
The largest town in the area and indeed one of the largest in East Lothian is North Berwick, a coastal fishing/tourist town, with a population of 6,600 (2011 census). There are many small villages in this segment including, Gullane population 2570 (2011 census), Aberlady population 1170 (2011 census), Dirleton population 440 (2011 census), Athelstaneford population 650 (approximately) Drem and Fenton Barns. The area, particularly on the coast, is expanding greatly with many housing projects underway or in the planning stage.

There is a railway line from Edinburgh to North Berwick that passes through this area on the coast stopping at all the coastal villages.

A section of the John Muir Way passes through this segment. This route is walked by many walkers throughout the year.

F7: Earthlight Software Information		
Topic	Description / Numbers	Contact Nos.
Pop during school holidays	9,311	
Pop during school term time	6,905	
Night time population	16,825	
Hospital patients	9	
People on main road: bumper to bumper	16,342	
Care Home Residents	190	
Care Homes	Muirfield Nursing Home Main Street, Gullane EH312AA Residents = 60 Astley House Nursing Home 14/16 Dirleton Avenue, NB EH394BG Residents = 40 (respite = 4) Fidra Nursing Home 67 Dirleton Ave, North Berwick EH39 4QL. Residents = 60 ELC, Abbey Residential Home, Old Abbey Rd, North Berwick EH39 4BP. Residents = 27	
Pharmacies 3	Ferguson Pharmacy, 66 High Street, North Berwick EH39 4HF Boots, 80 High St, North Berwick EH39 4HF Romanes Pharmacy, 7 Rosebery Pl, Gullane EH31 2AN	
Farms	70	
Doctor's	Gullane Medical Practice, Hamilton Rd, Gullane EH31 2HP North Berwick Group Practice, 54 St. Baldreds Rd, North Berwick EH39 4PU	
Hospitals	Eddington Cottage Hospital 54 St. Baldreds Rd, North Berwick EH39 4PU. Has a minor injuries unit and GP beds for the frail elderly. No A&E.	
Police assets	North Berwick Police station, 2A Forth St, NB EH39 4JB	
Primary Schools	Law Primary School, Haddington Rd, North Berwick EH39 4QZ 725 pupils Aberlady Primary School, Aberlady, Longniddry EH32 0RQ 149 pupils Athelstaneford Primary school, North Berwick EH39 5BE 68 pupils Gullane Primary School, Muirfield Terrace, Gullane EH31 2HL 238 pupils Dirleton Primary School, Dirleton, North Berwick EH39 5HE 67 pupils	
Secondary School	North Berwick High School, 231 Grange Rd, North Berwick EH39 4QS. 1009 Pupils.	
Rest Centres		
Caravan/camping		
Harbour	North Berwick Harbour Trust: 28 Victoria Rd, North Berwick EH39 4JL	
Railway Stations	North Berwick, Drem, and Longniddry	BTP
Resilient Communities	North Berwick, Gullane and Haddington	SPoC from ELC

21.7 Torness OPZ: F8



Brief description: The uninhabited Isle of May is located in the north of the outer Firth of Forth, approximately 8 km off the coast of mainland Scotland. It is 1.8 kilometres long and less than half a kilometre wide. The island is owned and managed by Scottish Natural Heritage as a national nature reserve. **It is located within Fife Council boundaries.**

The May Princess (contact details below) sails from Anstruther to the Isle of May almost every day from 1st April to 30th September and is licensed by the Maritime Coastguard Agency to carry 100 passengers. The trip on the boat lasts from around 4.5 to 5 hours in total, which includes 2.5 to 3 hours ashore on the Island. In 2019 13,754. (a daily maximum of 120) people visited the Island. This does vary month by month depending largely upon weather.

Staff, volunteers and research workers are resident on the Isle of May from March through to December. It is possible to accommodate up to 17 people on the Island. Exact numbers vary from year to year depending on research projects but on average the breakdown is as follows:

January	0	February	0	March	3/4
April	4/6	May	10	June	17
July	17	August	5	September	5
October	2	November	5	December	8

F8: Contact Information	
Description / Numbers	Contact Nos.
Anstruther Pleasure Cruises	
Isle of May boat trips	
North Berwick (boat trips)	
Scottish Natural Heritage: NatureScot Cupar Head Office	

22. TNPS Off-Site Emergency Plan: OPZ 3 to 30km 'Cones' x 8

22.1 Torness OPZ 'Cones' Overview

This OPZ 'Cones' overview details only the population figures and People on main roads, if they were all bumper to bumper, in three sectors in a straight line from the central point from the Torness Nuclear Power station and between 3km and 30km.

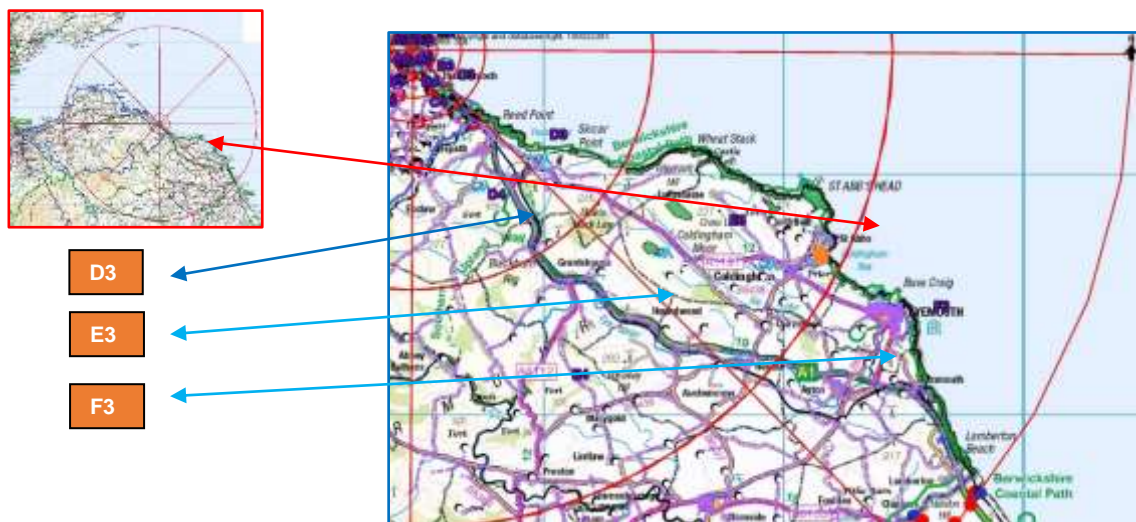
Once again, it does not include the area within the 3km Detailed Emergency Planning Zone (DEPZ) which can be seen within the main Torness nuclear emergency Response plan.



22.2 Torness OPZ: Cones 3-30km 1 & 2 Sea only no land



22.3 Torness OPZ: Cones 3-30km 3



Brief description: Coastal and rural area. Fishing, farming and tourism.

This area includes land within 3 local authorities namely, East Lothian Council, Scottish Borders Council and Northumberland County Council. This creates challenges of cross border mutual aid.

It is roughly split evenly between the sea and land.

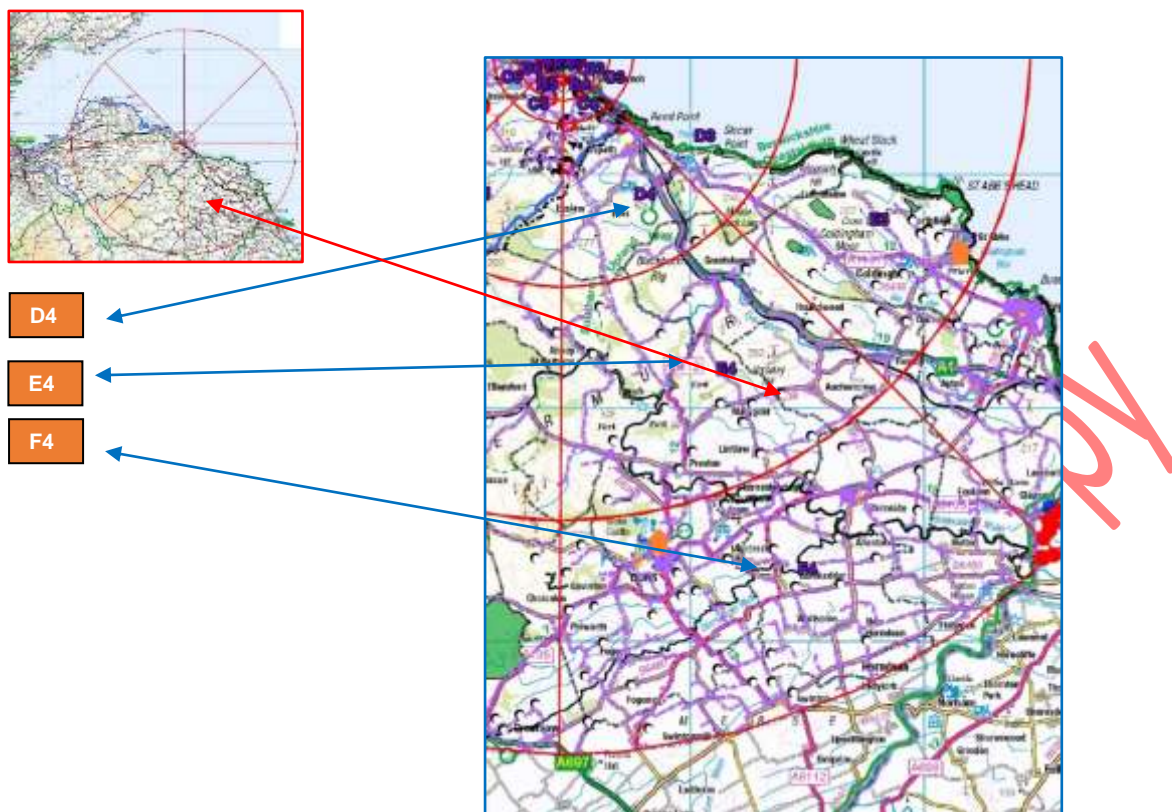
It is mainly rural and coastal attracting large numbers of tourists to the many coastal paths and walkways particularly during the warmer months.

The three biggest villages, all within SBC, Eyemouth, Coldingham and St Abbs. Eyemouth and St Abbs are predominately fishing villages.

A small section of the busy A1 and main east coast railway line is contained within this cone.

Earthlight Software Information		
Abbreviation	Description	
Pop DSH	Population during school holidays	4146
Pop Dstt	Population during school term time	3355
Night pop	Night time population	7515
MRTJ	People on main road if they were all bumper to bumper	20720
CHR	Care home residents	35

22.4 Torness OPZ: Cones 3-30km 4



Brief description: Rural, farming with a few villages/towns.

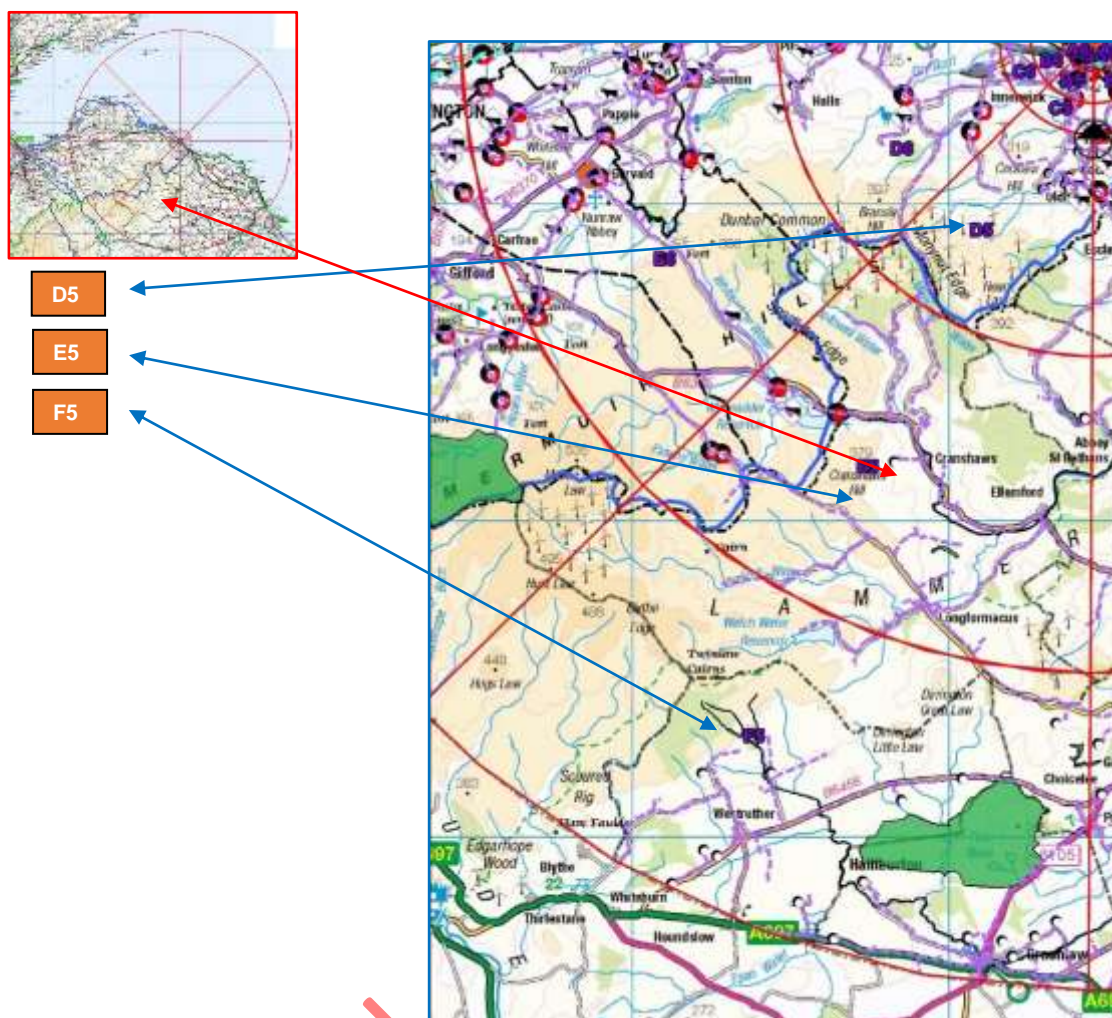
This area includes land within 3 local authorities namely, East Lothian Council, Scottish Borders Council and Northumberland County Council. Only a very small part of Northumberland is located within this segment.

The three biggest villages, all within SBC, Cockburnspath, Duns and Chirnside.

The busy A1 and main east coast railway line is routed through this cone.

Cone 4: Earthlight Software Information - Population		
Abbreviation	Description	
Pop DSH	Population during school holidays	5535
Pop Dstt	Population during school term time	4265
Night pop	Night time population	10560
MRTJ	People on main road if they were all bumper to bumper	34434

22.5 Torness OPZ: Cones 3-30km 5



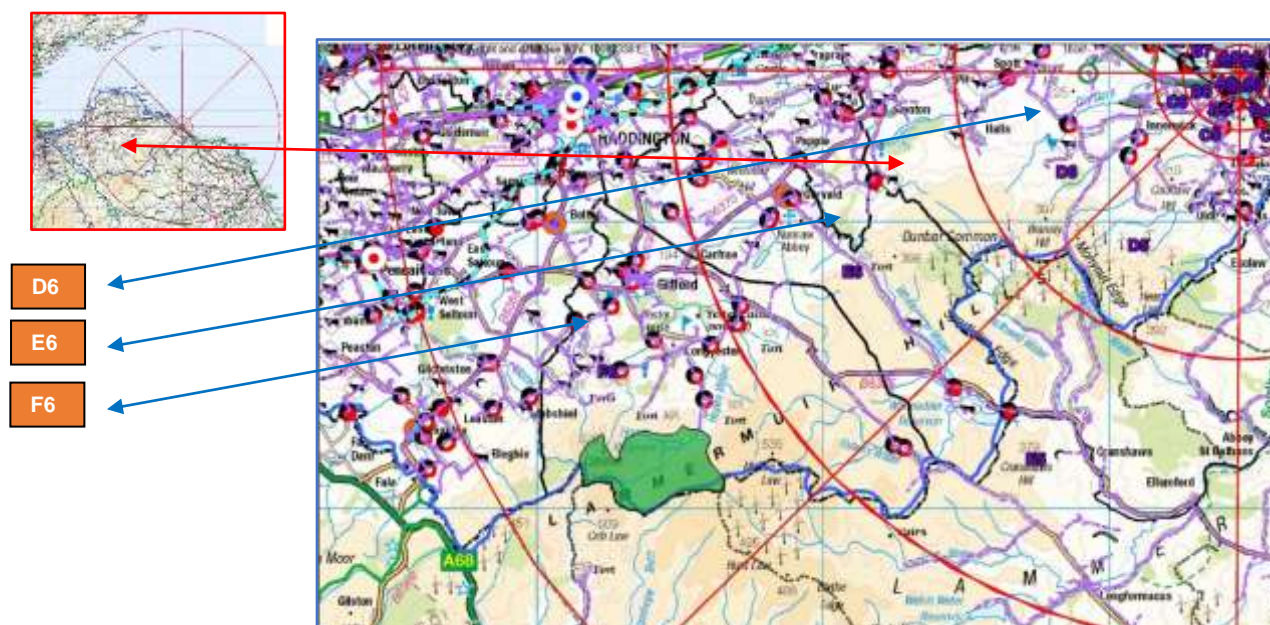
Brief description: Rural, farming and sparsely populated area.

This area includes land within 2 local authorities namely, East Lothian Council and Scottish Borders Council.

There are a few small villages and settlements.

Cone 5: Earthlight Software Information - Population		
Abbreviation	Description	
Pop DSH	Population during school holidays	899
Pop Dstt	Population during school term time	647
Night pop	Night time population	1750
MRTJ	People on main road bumper to bumper	8789

22.6 Torness OPZ: Cones 3-30km 6



Brief description: The Lammermuir Hills, farming, rural and larger towns within cone 6.

This area is largely within East Lothian although there is a small section in the Scottish Borders to the very south (Lammermuir Hills – wind farm).

It represents the second most populated area.

Haddington is located in this cone along with some other larger villages.

The busy A1 and main east coast railway line is contained within this cone.

Cone 6: Earthlight Software Information - Population		
Abbreviation	Description	
Pop DSH	Population during school holidays	8303
Pop Dstt	Population during school term time	6126
Night pop	Night time population	16165
MRTJ	People on main road bumper to bumper	23455

22.7 Torness OPZ: Cones 3-30km 7



Brief description: Farming, fishing, tourism, rural and larger towns are all within cone 7.

The area is very popular with tourists and golfers and as a result the population swells, dramatically, in the summer.

This area is fully within East Lothian.

There are a number of larger towns, North Berwick and Dunbar and a few villages such as Gullane, Aberlady, Drem and Dirleton.

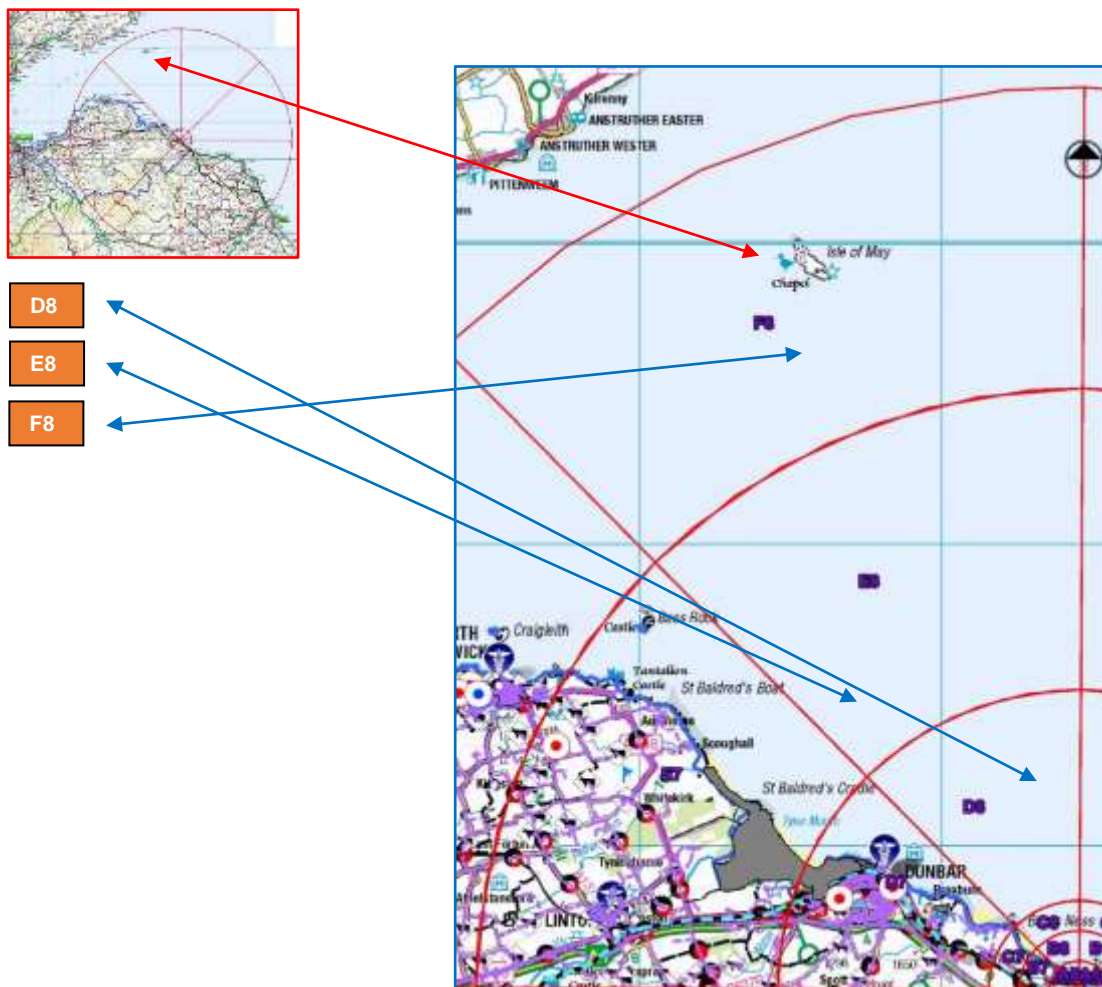
This cone has the largest population.

The busy A1 and main east coast railway line is contained within this cone. There is also a rail line between Edinburgh and North Berwick that is routed along the coast and through this area.

There are many hotels, B&B's, guest houses and caravan/camping parks.

Cone 7: Earthlight Software Information - Population		
Abbreviation	Description	
Pop DSH	Population during school holidays	17646
Pop Dstt	Population during school term time	12996
Night pop	Night time population	32866
MRTJ	People on main road if they were all bumper to bumper	51320

22.8 Torness OPZ: Cones 3-30km 8



Brief description: The Isle of May is within the Fife Council boundary. It is uninhabited but in the summer daily boat trips bring visitors from both Fife and East Lothian.