

Appendices

A. Community Area Summaries per Committee Area

Each Committee Area includes two or more coastal Community Areas (Table A-1).

Table A-1: Committee Areas and associated Community Areas

Committee Area	Community Area
Banff and Buchan	Banff and Macduff
	Sandend and District
	Portsoy and District
	Whitehills and District
	Gamrie Bay
	New Aberdour and Pennan
	Sandhaven, Pitullie and Rosehearty
	Invercairn and Fraserburgh
Buchan	Buchan East
	Boddam and Peterhead
	Cruden
Formartine	Foveran, Slains and Collieston
	Blackdog and Balmedie
Kincardine and Mearns	Portlethen and District
	Newtonhill and Muchalls
	Stonehaven and District
	Catterline, Kinneff and Dunnottar
	Gourdon and Inverbervie
	Benholm and Johnshaven
	St Cyrus

1. Banff and Buchan Committee Area

Banff and Macduff

Banff and Macduff CA has the highest score for roads at risk of erosion within Banff and Buchan. Properties at risk from coastal erosion and flooding are mainly located near the western shore of the Deveron estuary in the town of Banff. Banff and Macduff has 3,917m of built coastal defence, ranking second within its Committee Area for this indicator, supplemented by 0.027km² of natural defence. The CA's historical coastal change rate ranks 2nd for this indicator within its Committee Area.

The CA is ranked 3rd of eight in the first iteration of the prioritisation calculation within its Committee Area, and 4th of 20 overall for Aberdeenshire.

Table A- 2 summarises influence factor results for the Banff and Macduff CA.

Table A- 2: Banff and Macduff Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	50
		Erosion risk 2050	12
		DC 2100 flood climate change	194
	Roads at risk (length m)	Erosion risk 2050	403.57
	Greenspace (m ²)	Erosion risk 2050	1374.84
	Paths at risk (length m)	Erosion risk 2050	381
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	620
	Historical Coastal Change Rate (m/year)	Maximum in CA	-2.8
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	3916.81
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.027
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.179
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3568.221
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

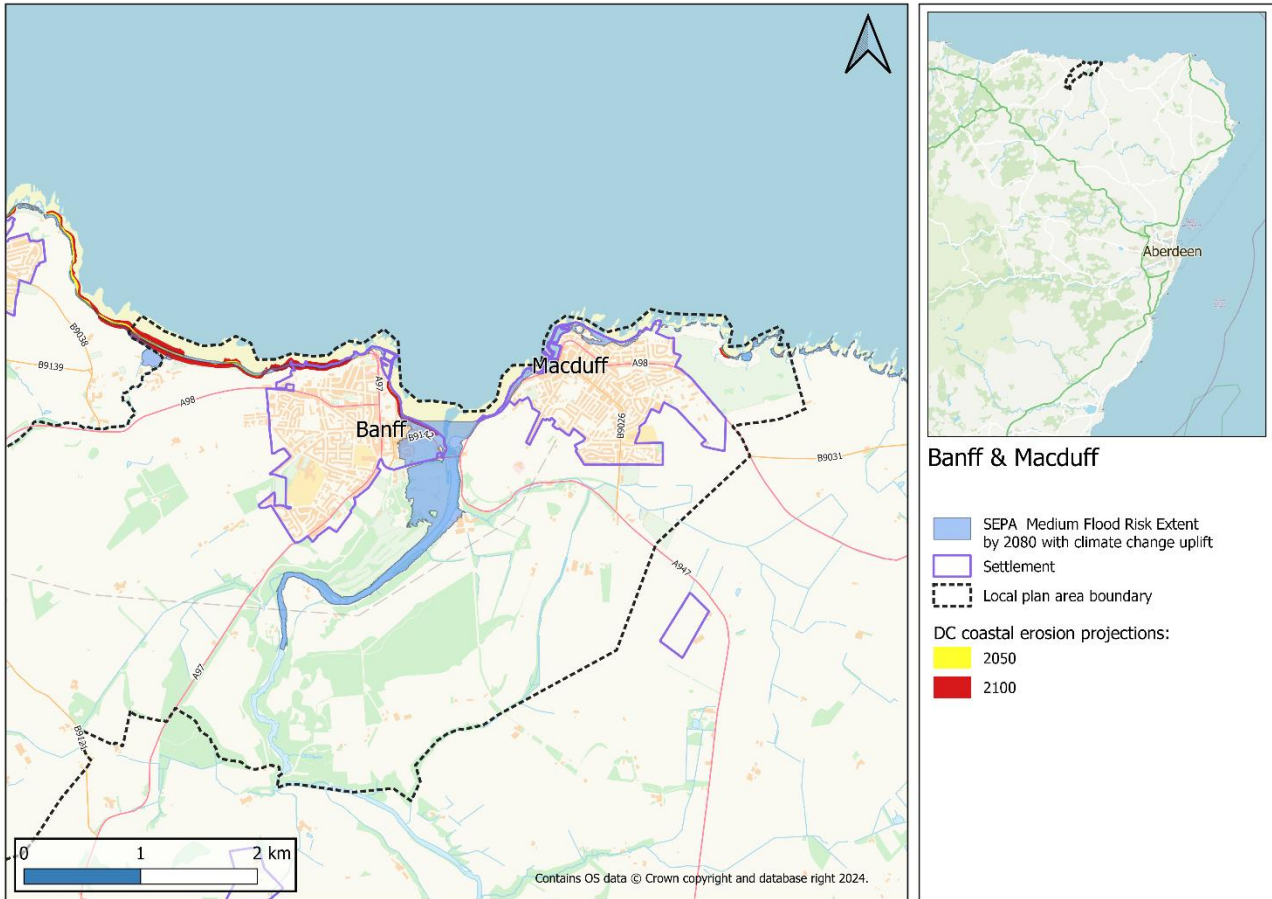


Figure A.1: Coastal erosion and flood risk projection extents for Banff and Macduff Community Area

Sandend and District

Sandend and District CA has a very low risk to assets from erosion and flooding, with 4 properties at risk from flooding, including the caravan park (Figure A.2). The CA ranks 2nd in the prioritisation list for the demographic indicator within its Committee Area. Management indicators are of a low ranking, having only small areas of built and natural coastal defence.

The Community Area is ranked 4th of eight in the first iteration of the prioritisation calculation within its Committee Area, and 8th of 20 overall for Aberdeenshire.

Table A- 3 summarises influence factor results for Sandend and District coast.

Table A- 3: Sandend and District Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	4
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	0
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	0
	Historical Coastal Change Rate (m/year)	Maximum in CA	0
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	116.31
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.019
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.008
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3301.277
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1

Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5
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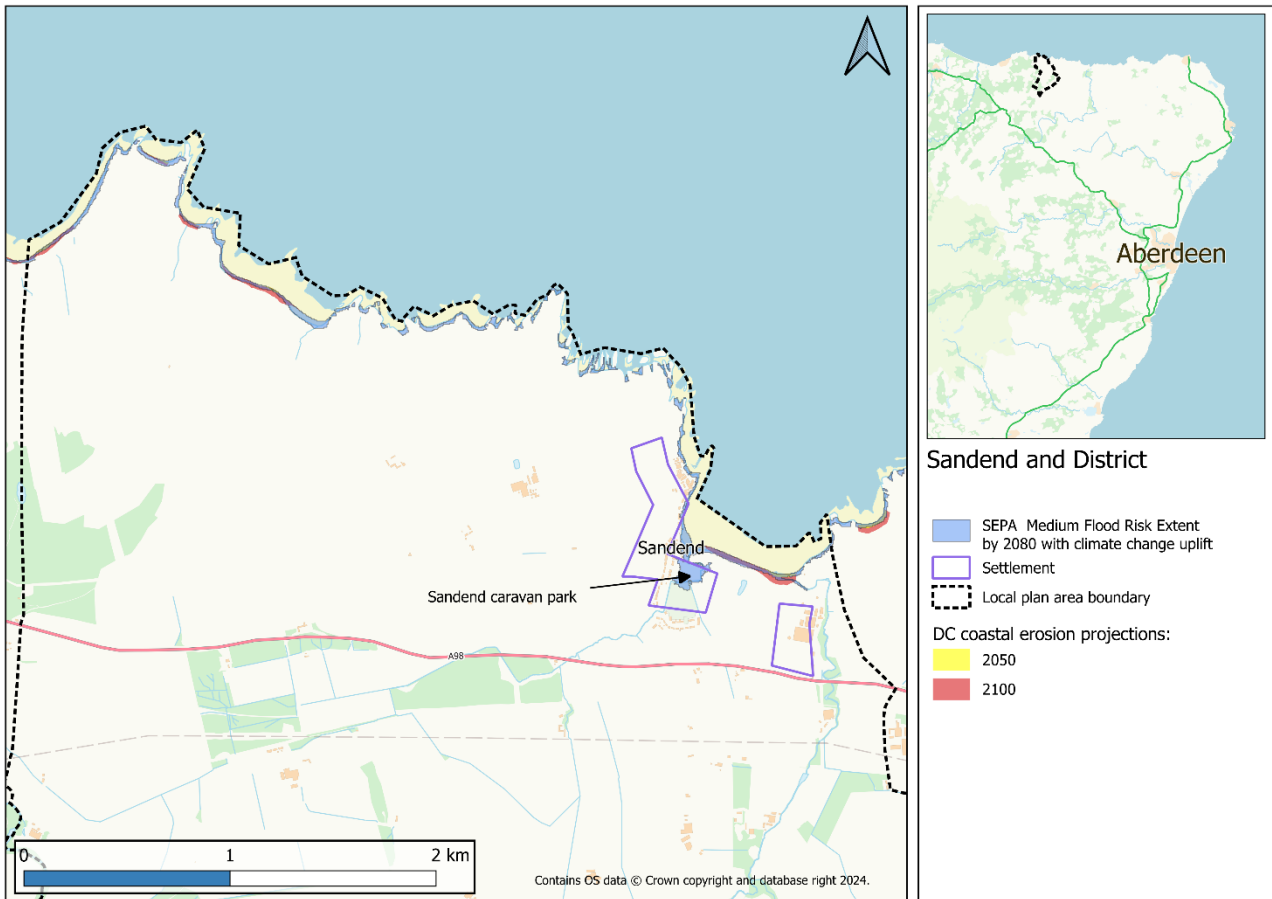


Figure A.2: Coastal erosion and flood risk projection extents for Sandend and District Community Area

Portsoy and District

Portsoy and District CA has a low risk to assets from erosion and flooding, with 1 property at risk from erosion by 2100 and 19m of road by 2050 (Figure A.3). Two properties are at risk from flooding by 2100. Properties at risk from both coastal erosion and flooding are located to the south of Links Bay, Portsoy, but natural defences are also present here. The demographic indicator for the CA is ranked in the mid-range.

The CA is ranked 7th of eight in the first iteration of the prioritisation calculation within its Committee Area, and 15th of 20 overall for Aberdeenshire. summarises influence factor results for Portsoy and District Coast.

Table A-4 summarises influence factor results for Portsoy and District coast.

Table A- 4: Portsoy and District Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	1
		Erosion risk 2050	0
		DC 2100 flood climate change	2
	Roads at risk (length m)	Erosion risk 2050	18.88
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	0
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	0
	Historical Coastal Change Rate (m/year)	Maximum in CA	0
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	116123
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.005
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.019
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3954

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	0

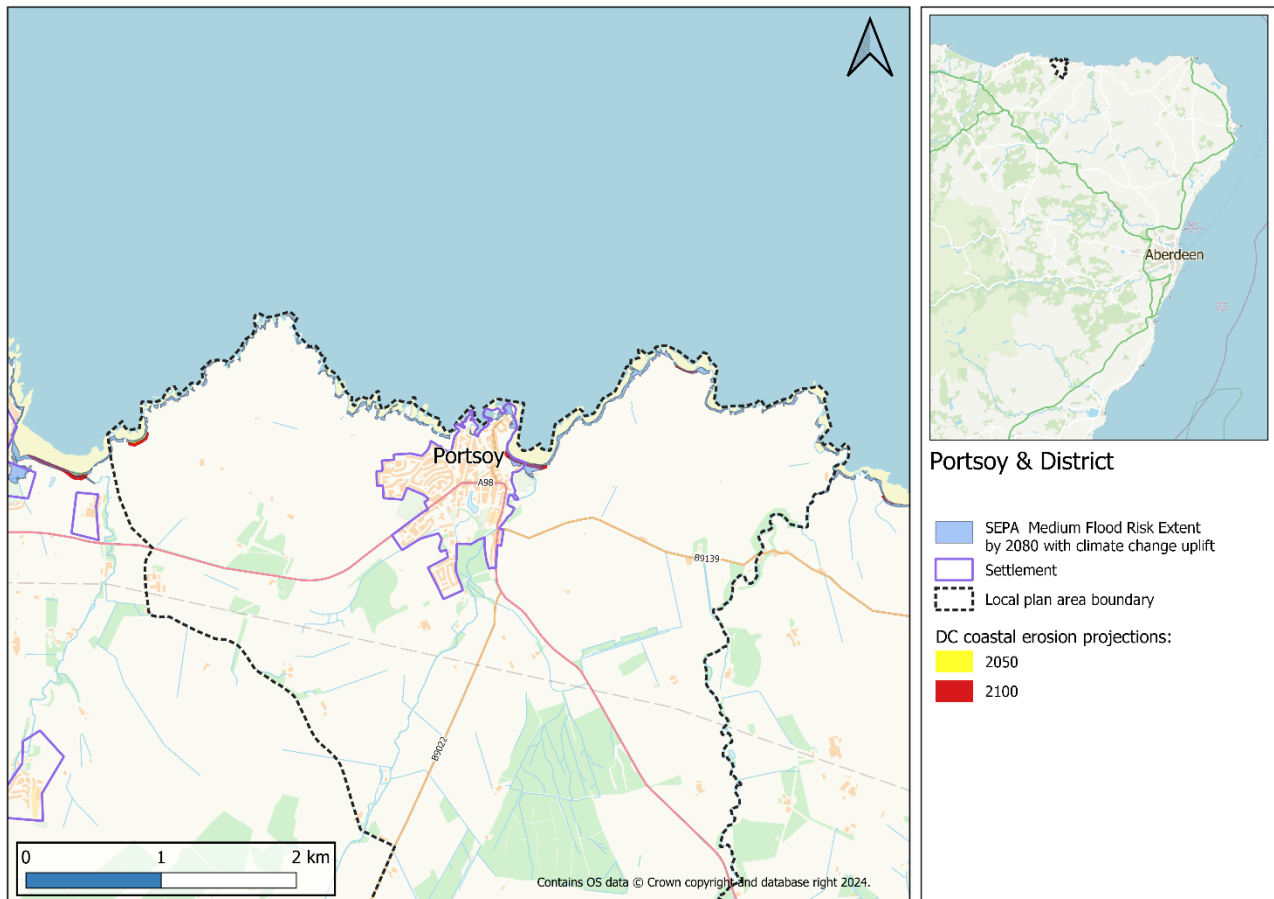


Figure A.3: Coastal erosion and flood risk projection extents for Portsoy and District Community Area

Whitehills and District

Whitehills and District CA has a low risk to assets from erosion and flooding, with no properties at risk from erosion and 21 properties along Shore Road at risk from flooding by 2100 (Figure A.4). Greenspace to the north of Whitehills Marina are at risk from erosion by 2050, as are sections of coastal path to the east of Whitehills by 2100. Management indicators for the CA are of a low rank, having only 318m of built defence and 0.004km² of natural coastal defence.

The CA is ranked 5th of eight in the first iteration of the prioritisation calculation within its Committee Area, and 10th of 20 overall for Aberdeenshire.

Table A- 5 summarises influence factor results for Whitehills and District Coast.

Table A- 5: Whitehills and District Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	21
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	1436
	Paths at risk (length m)	Erosion risk 2050	18
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	540
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.6
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	318
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.004
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.03
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	4014

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

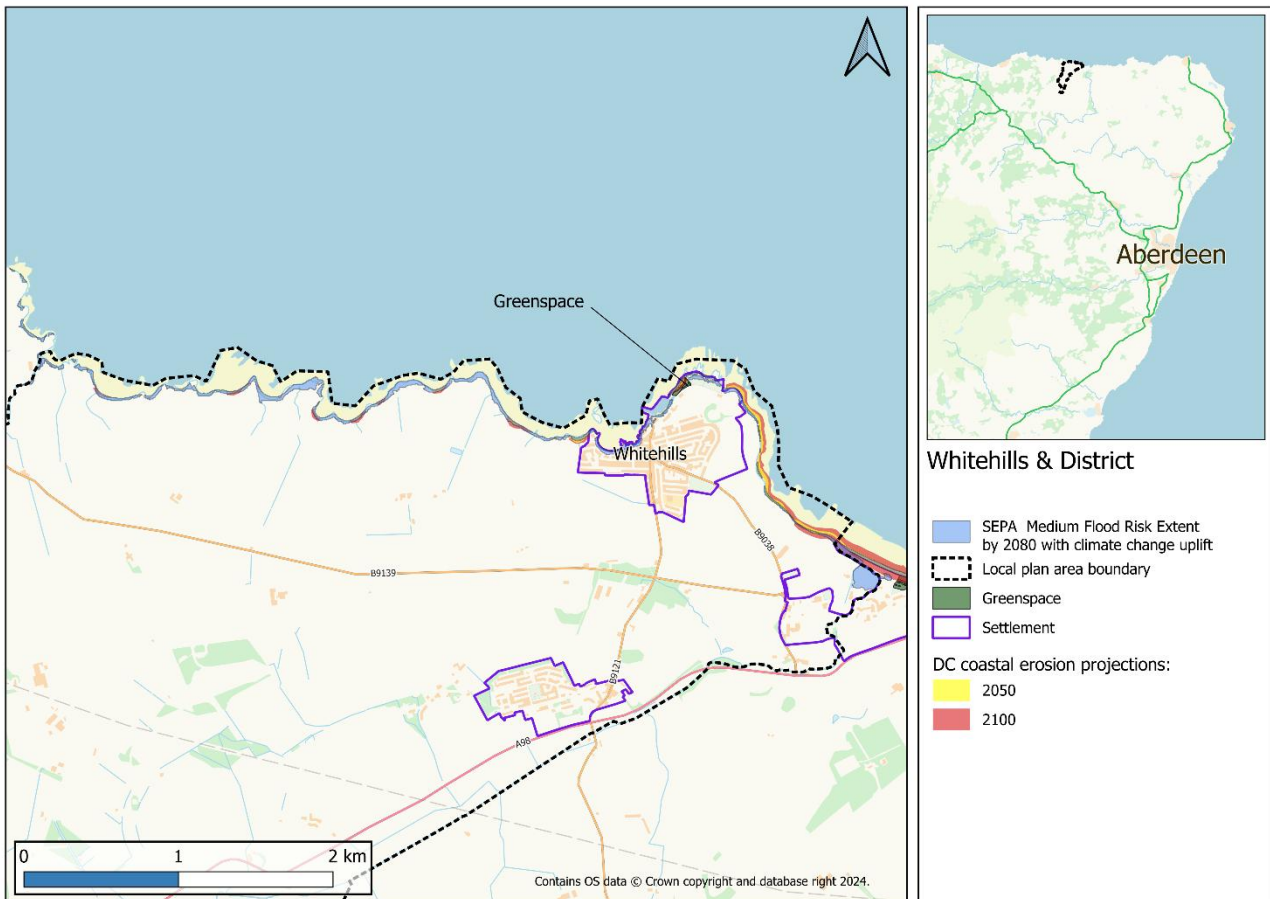


Figure A.4: Coastal erosion and flood risk projection extents for Whitehills and District Community Area

Gamrie Bay

Gamrie Bay CA has a very high risk to assets from erosion and a moderate risk from flooding, with 103 properties at risk from coastal erosion by 2100, and 49 properties from flooding (Figure A.5). Those at risk are clustered in the west of Gardenstown and the coastal village of Crovie. The CA is ranked in the mid-range for built and natural defences. The CA is in a Regeneration Priority zone, however, there is no erosion risk to identified development opportunities. The demographic indicator for the CA has a high ranking within the Committee Area.

The CA is ranked 2nd of eight in the first iteration of the prioritisation calculation within its Committee Area, and 2nd of 20 overall for Aberdeenshire.

Table A- 6 summarises influence factor results for Gamrie Bay Coast.

Table A- 6: Gamrie Bay Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	103
		Erosion risk 2050	40
		DC 2100 flood climate change	49
	Roads at risk (length m)	Erosion risk 2050	368.46
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	5
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	570
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.2
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	1250.41
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.011
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.019
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0

Demographics	SIMD (score)	Average SIMD	3472
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

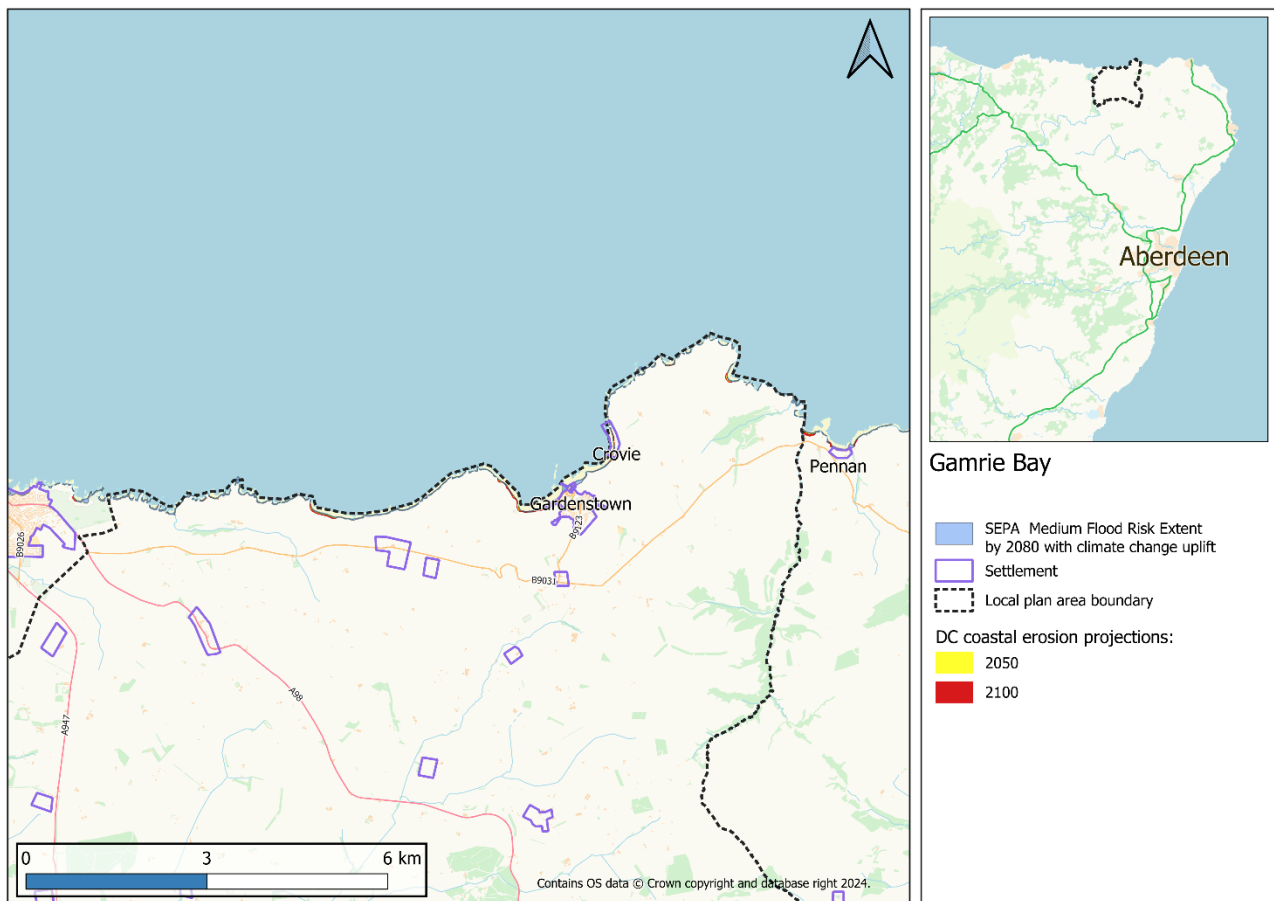


Figure A.5: Coastal erosion and flood risk projection extents for Gamrie Bay Community Area

New Aberdour and Pennan

New Aberdour and Pennan CA has a low risk to assets from erosion, but does have an actively eroding coastline, although no properties, greenspace or infrastructure are at risk (Figure A.6). There are no built defences within the CA, and 0.027 km² of natural defence. The CA has the highest rank for the Demographic indicator within its Committee Area and the lowest rank for identified development opportunities.

The CA has the lowest rank of eight in the first iteration of the prioritisation calculation within its Committee Area, and the second lowest rank of 20 overall for Aberdeenshire.

Table A- 7 summarises influence factor results for New Aberdour and Pennan Coast.

Table A- 7: New Aberdour and Pennan Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	490
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.3
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.023
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3145
Economics	Strategic growth area	Overlap of coastal unit with LDP	1

	(1=No; 0=Yes)	strategic growth area	
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

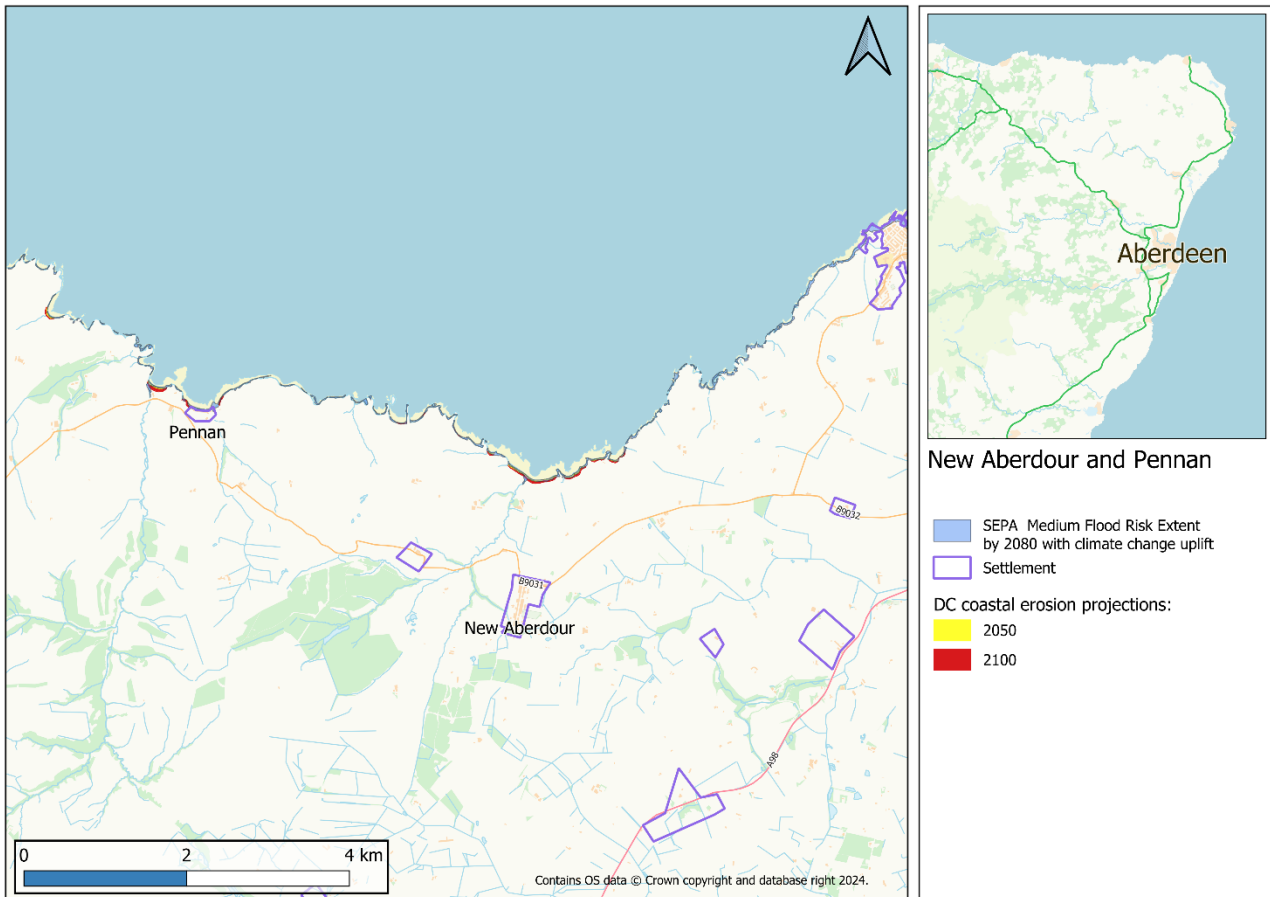


Figure A.6: Coastal erosion and flood risk projection extents for new Aberdour and Pennan Community Area

Sandhaven, Pitullie and Rosehearty

Sandhaven, Pitullie and Rosehearty CA has a mid-range risk to assets from erosion and flooding, with 1 property and at risk from coastal erosion by 2100, and 15 from flooding, as well as an actively eroding coastline (Figure A.7). Greenspace, south of the B9031, and the road itself on the northern extent of Rosehearty Golf club are at risk from erosion by 2100. The Committee Area is in a Regeneration Priority zone, however, there is no erosion risk to identified development opportunities.

The CA is ranked 6th of eight in the first iteration of the prioritisation calculation within its Committee Area, and 12th of 20 overall for Aberdeenshire.

Table A- 8 summarises influence factor results for Sandhaven, Pitullie and Rosehearty Coast.

Table A- 8: Sandhaven, Pitullie and Rosehearty Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	1
		Erosion risk 2050	0
		DC 2100 flood climate change	15
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	160
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.4
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	2466
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.016
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.117
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3600
Economics	Strategic growth area	Overlap of coastal unit with LDP	1

	(1=No; 0=Yes)	strategic growth area	
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

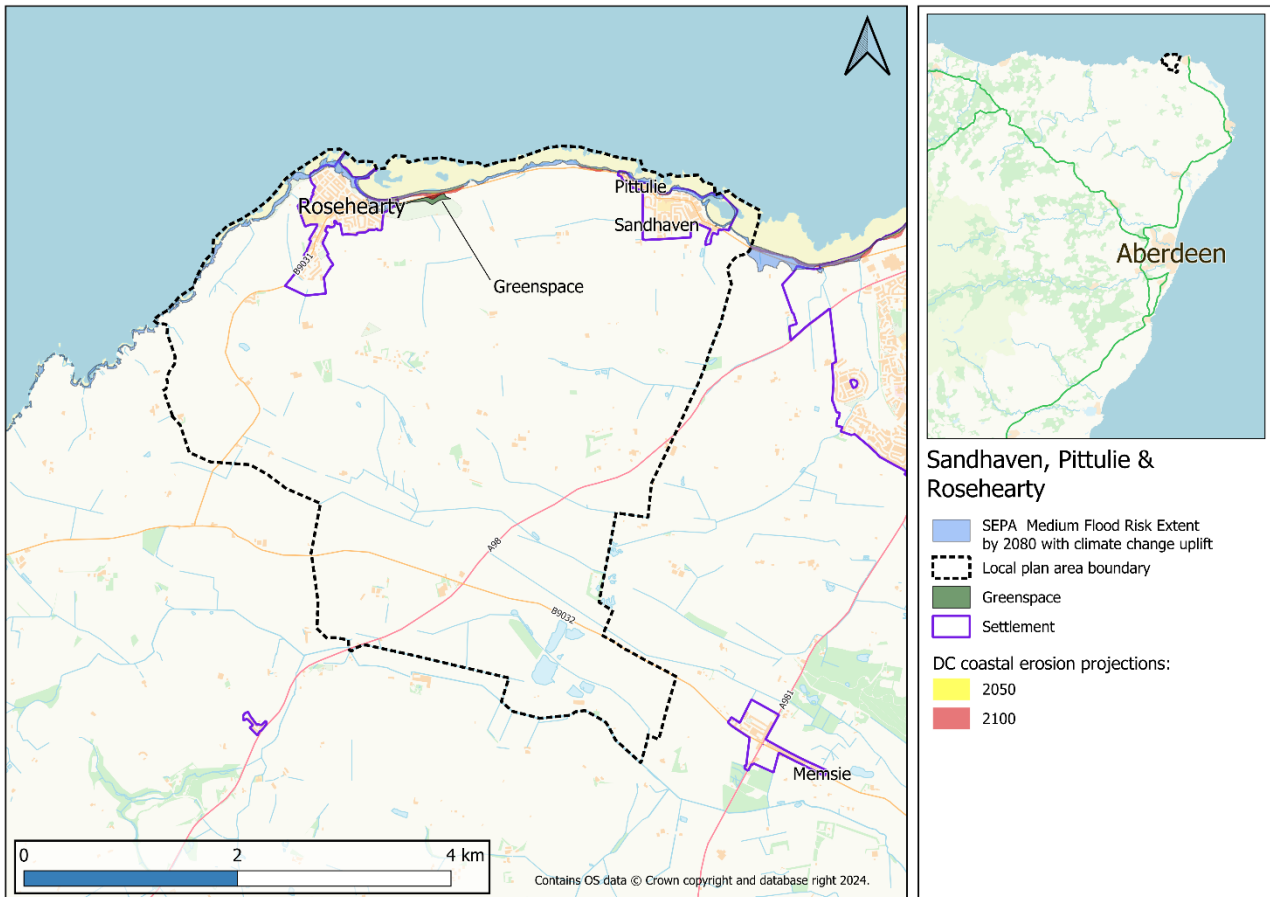


Figure A.7: Coastal erosion and flood risk projection extents for Sandhaven, Pitullie and Rosehearty Community Area

Invercairn and Fraserburgh

Invercairn and Fraserburgh CA has a high risk to assets from erosion and flooding, with 26 properties at risk from coastal erosion and 122 from flooding by 2100, as well as an actively eroding coastline with the highest historical rate of change within its Committee Area (Figure A.8). Properties most at risk are located along Shore Street in Inverallochy and Cairnlug. There is 4026m of built and 0.26km² of natural defence, the highest rank for built defences within its Committee Area. The CA is in a Regeneration Priority zone with a high level of identified opportunities, some of which are at risk from erosion by 2100 south of the B9031 road west of Fraserburgh. The CA has known erosion issues.

The CA is ranked 1st of eight in the first iteration of the prioritisation calculation within its Committee Area, and 1st of 20 overall for Aberdeenshire.

Table A- 9 summarises influence factor results for Invercairn and Fraserburgh Coast.

Table A- 9: Invercairn and Fraserburgh Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	26
		Erosion risk 2050	0
		DC 2100 flood climate change	122
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	690
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.3
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	4026
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.26
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.681
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	1

Demographics	SIMD (score)	Average SIMD	3687
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

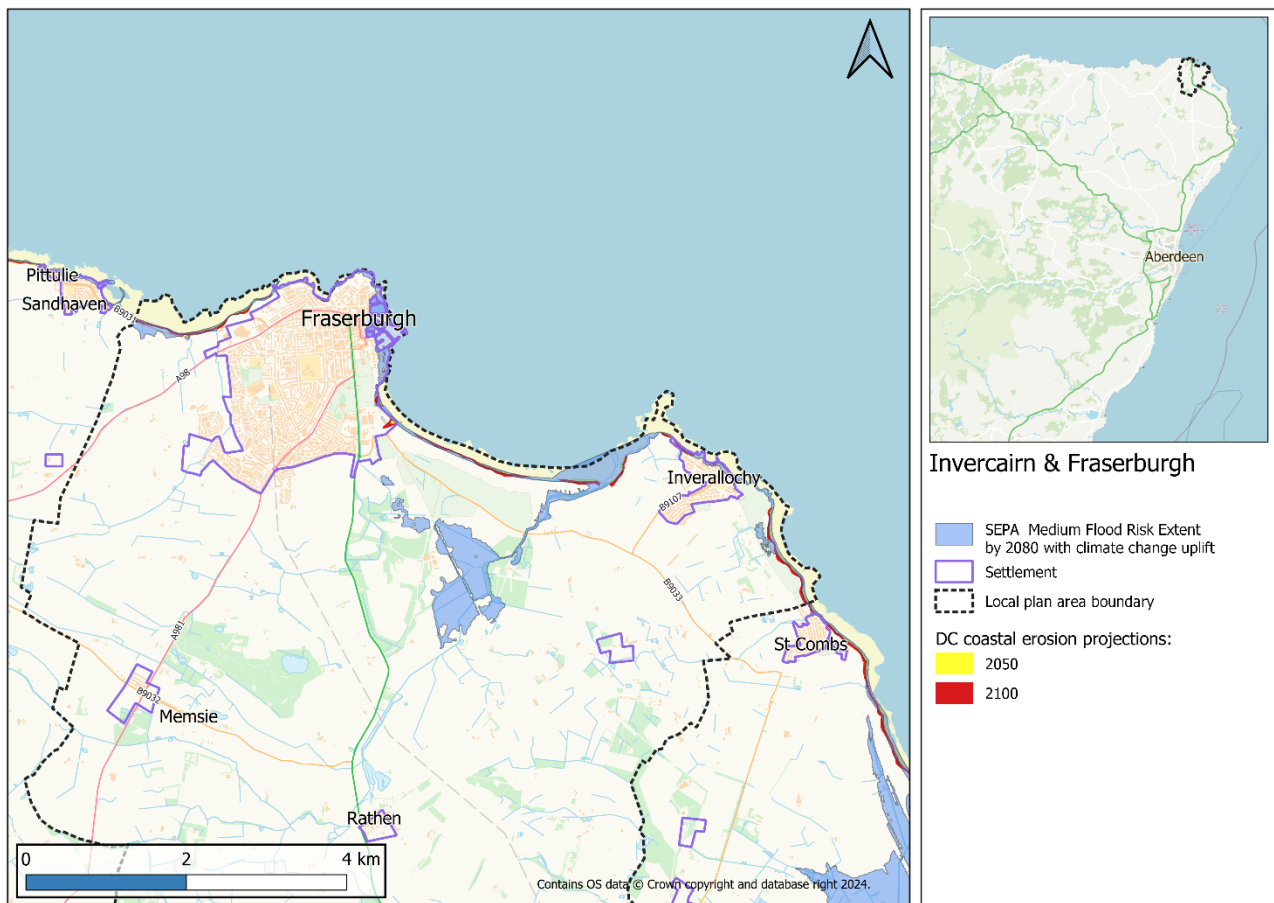


Figure A.8: Coastal erosion and flood risk projection extents for Invercairn and Fraserburgh Community Area

2. Buchan Committee Area

Buchan East

Buchan East CA has a high risk to assets from erosion and flooding, with the highest length of core path network at risk within Aberdeenshire, 1870m, and the 2nd highest length of coastline that has historically eroded, 3110m (Figure A.9). There are however no properties, roads or greenspace at risk. The CA has 69m of built defence and the highest area of natural defence within Aberdeenshire at 1km². The Committee Area is in a Regeneration Priority zone with a moderate ranking for the identified opportunities indicator, however, there is no erosion risk to those development opportunities.

The CA is ranked 1st of three in the first iteration of the prioritisation calculation within its Committee Area, and 3rd of 20 overall for Aberdeenshire.

Table A- 10 summarises influence factor results for Buchan East Coast.

Table A- 10: Buchan East Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	1870
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	3110
	Historical Coastal Change Rate (m/year)	Maximum in CA	-1.7
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	70
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	1
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.06
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0

Demographics	SIMD (score)	Average SIMD	3981
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

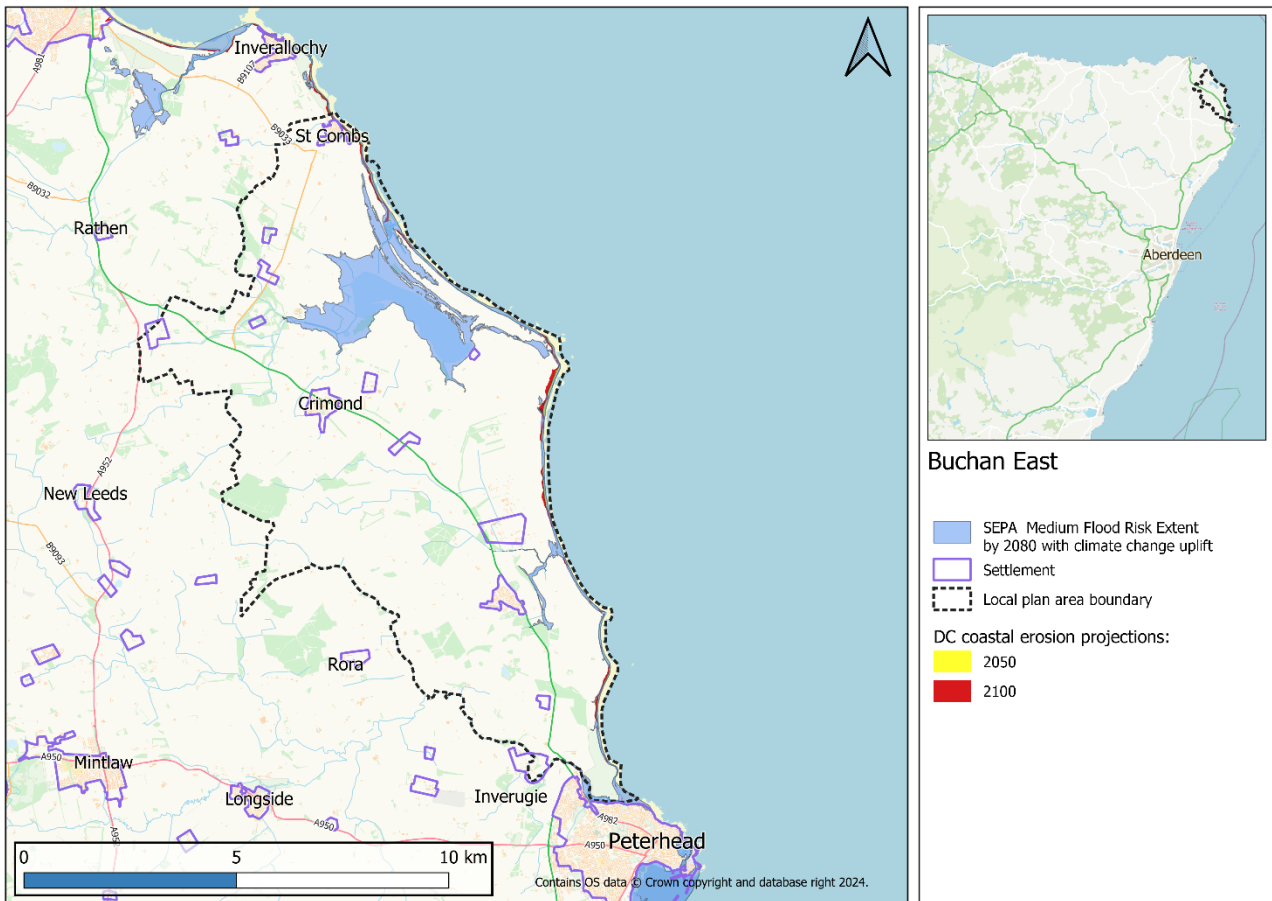


Figure A.9: Coastal erosion and flood risk projection extents for Buchan East Community Area

Boddam and Peterhead

Boddam and Peterhead CA has a medium risk to assets from erosion and flooding overall, with no erosion risk to properties, roads, greenspace or paths (Figure A.10). However, there is a risk from flooding to 104 properties by 2100, the highest within the Committee Area. The CA coastline is not actively eroding, or has historically, eroded. The CA has the longest length of built defence within Aberdeenshire, 11556m. The Committee Area is in a Regeneration Priority zone with a high level of identified opportunities, however, there is no erosion risk to those development opportunities.

The CA has the lowest rank of three in the first iteration of the prioritisation calculation within its Committee Area, and 13th of 20 overall for Aberdeenshire.

Table A- 11 summarises influence factor results for Boddam and Peterhead Coast.

Table A- 11: Boddam and Peterhead Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	104
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	0
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	0
	Historical Coastal Change Rate (m/year)	Maximum in CA	0
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	11556
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.005
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	0
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.245
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	4151

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

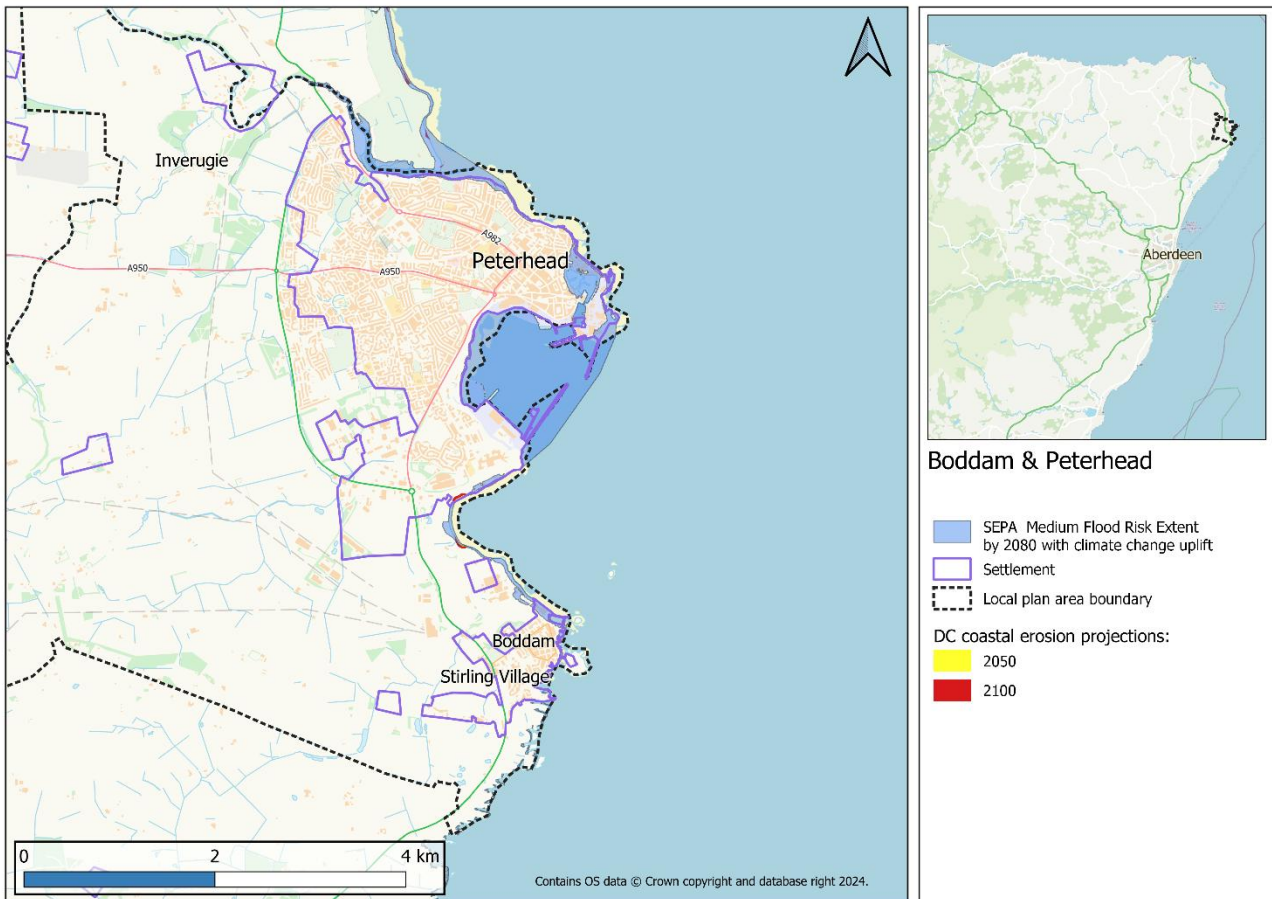


Figure A.10: Coastal erosion and flood risk projection extents for Boddam and Peterhead Community Area

Cruden

Cruden CA has a low risk to assets from erosion and flooding with 291m of core path the only asset at risk by 2050 (Figure A.11). The CA coastline is actively eroding, but the erosion extent and historic rate are low. The CA has a moderate ranking within its Committee Area for built and natural defence indicators. The Committee Area is not in a Regeneration Priority zone with a moderate level of identified opportunities, however, there is no erosion risk to those development opportunities.

The CA is ranked 2nd of three in the first iteration of the prioritisation calculation within its Committee Area, and 11th of 20 overall for Aberdeenshire.

Table A- 12 summarises influence factor results for Cruden Coast.

Table A- 12: Cruden Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	291
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	100
	Historical Coastal Change Rate (m/year)	Maximum in CA	0.2
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	373
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.064
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.164
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3853
Economics	Strategic growth area	Overlap of coastal unit with LDP	0

	(1=No; 0=Yes)	strategic growth area	
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

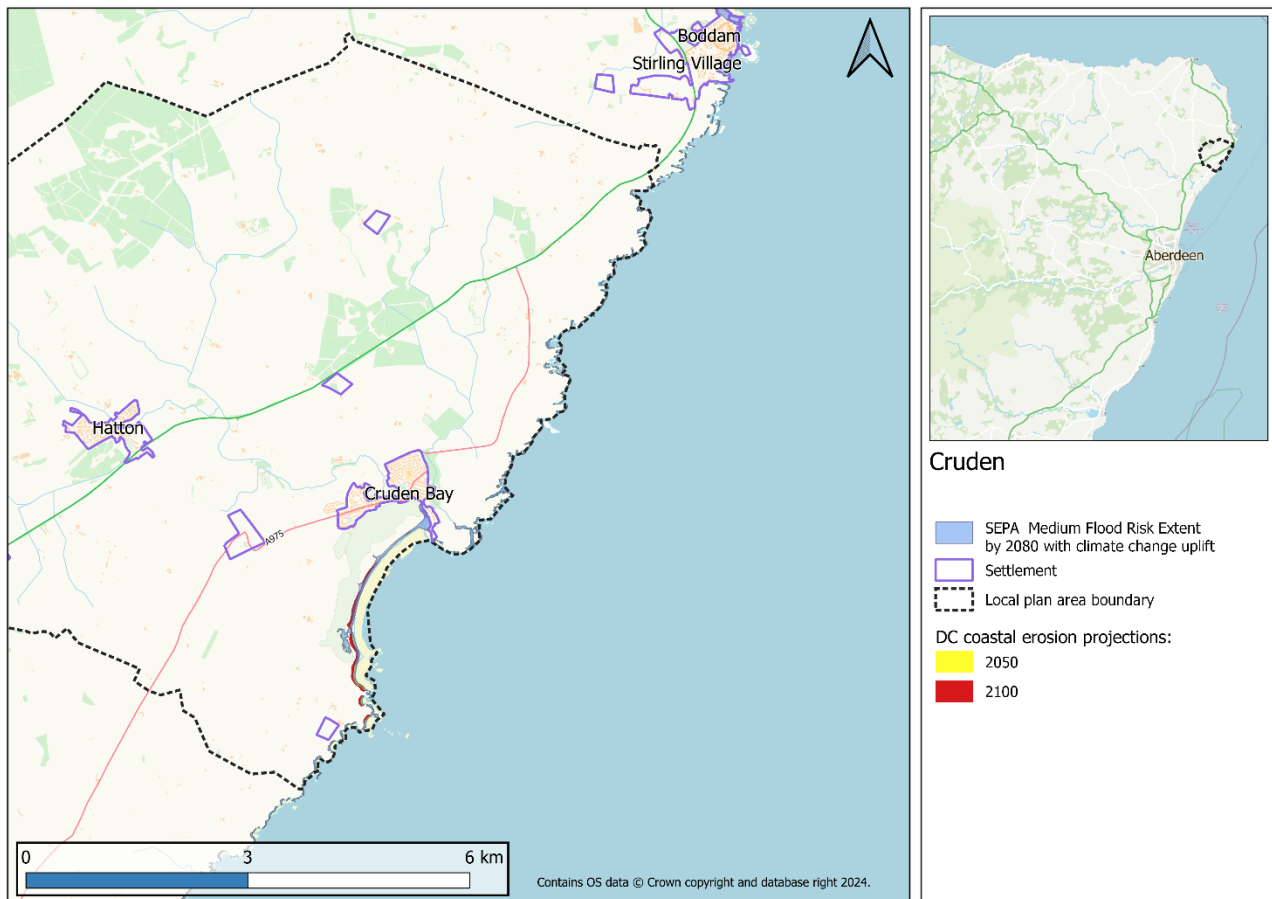


Figure A.11: Coastal erosion and flood risk projection extents for Cruden Community Area

3. Formartine

Foveran, Slains and Collieston

Foveran, Slains and Collieston CA has a high risk to assets from erosion and flooding, with 27 properties at risk from coastal flooding by 2100 and 490m of path at risk from erosion by 2050 (Figure A.12). The CA coastline is actively eroding, with the erosion extent and historic rate ranking high. The CA has no built coastal defence, but has the second highest area of natural coastal defence in Aberdeenshire, 0.689km². The CA is not in a Regeneration Priority zone and none of the identified opportunities are at risk.

The CA is ranked lowest of two in the first iteration of the prioritisation calculation within its Committee Area, and 6th of 20 overall for Aberdeenshire.

Table A- 13 summarises influence factor results for Foveran, Slains and Collieston Coast.

Table A- 13: Foveran, Slains and Collieston Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	27
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	490
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	2620
	Historical Coastal Change Rate (m/year)	Maximum in CA	-1.6
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.689
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.123
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5106

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

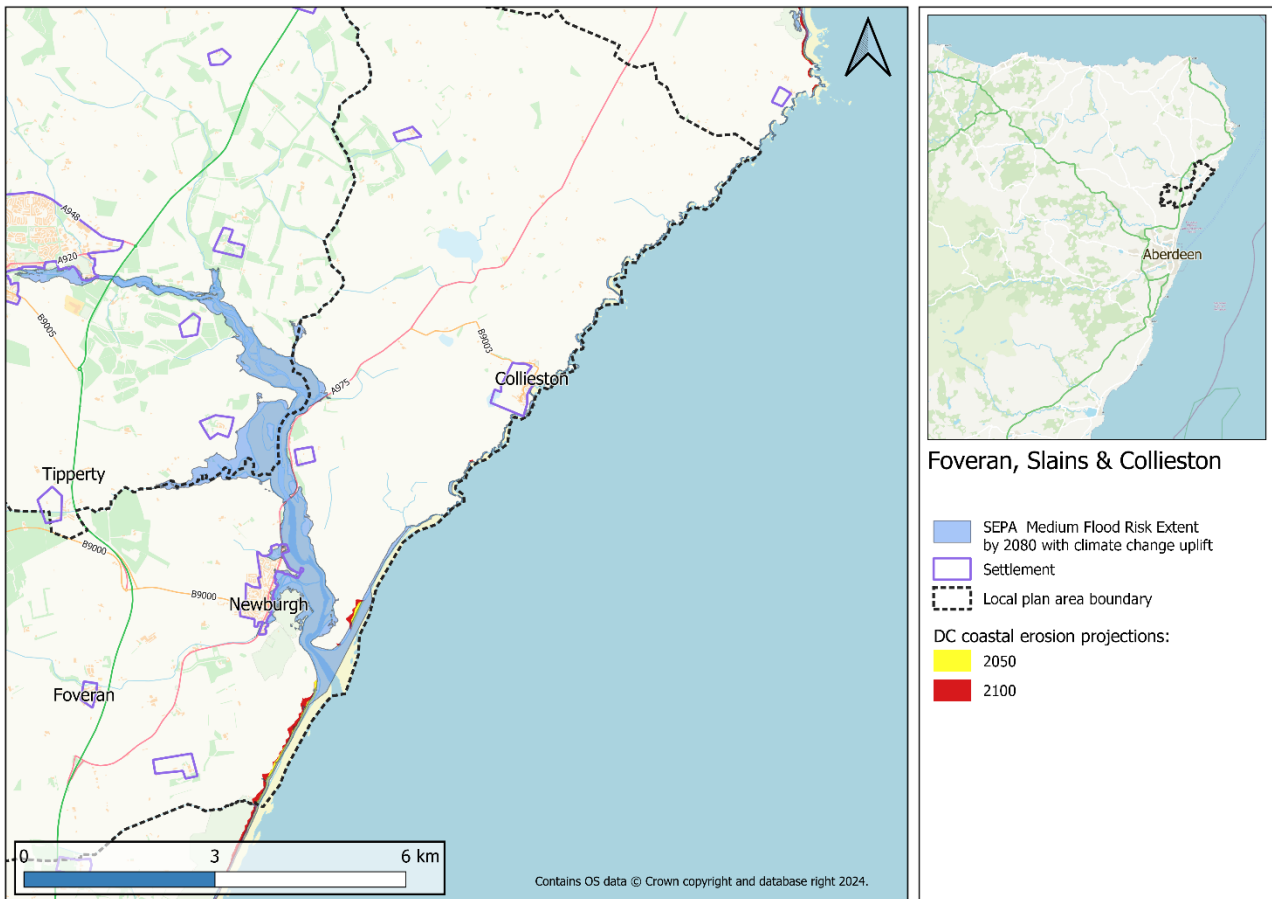


Figure A.12: Coastal erosion and flood risk projection extents for Foveran, Slains and Collieston Community Area

Blackdog and Balmedie

Blackdog and Balmedie CA has a high risk to assets from erosion and flooding, with 9 properties at risk from erosion by 2100 in the village of Blackdog, and 50066m² of greenspace and 1055m of path at risk by 2050 (Figure A.13). The CA coastline is actively eroding, with the greatest erosion extent and highest historic erosion rate, -7.8m. The CA has no built coastal defence but has the 3rd highest area of natural coastal defence within Aberdeenshire, 0.4km². The CA is not in a Regeneration Priority zone and none of the identified development opportunities are at risk.

The CA is ranked highest of two in the first iteration of the prioritisation calculation within its Committee Area, and 5th of 20 overall for Aberdeenshire.

Table A- 14 summarises influence factor results for Blackdog and Balmedie Coast.

Table A- 14: Blackdog and Balmedie Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	9
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	490
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	2620
	Historical Coastal Change Rate (m/year)	Maximum in CA	-1.6
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.689
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.123
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5106

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

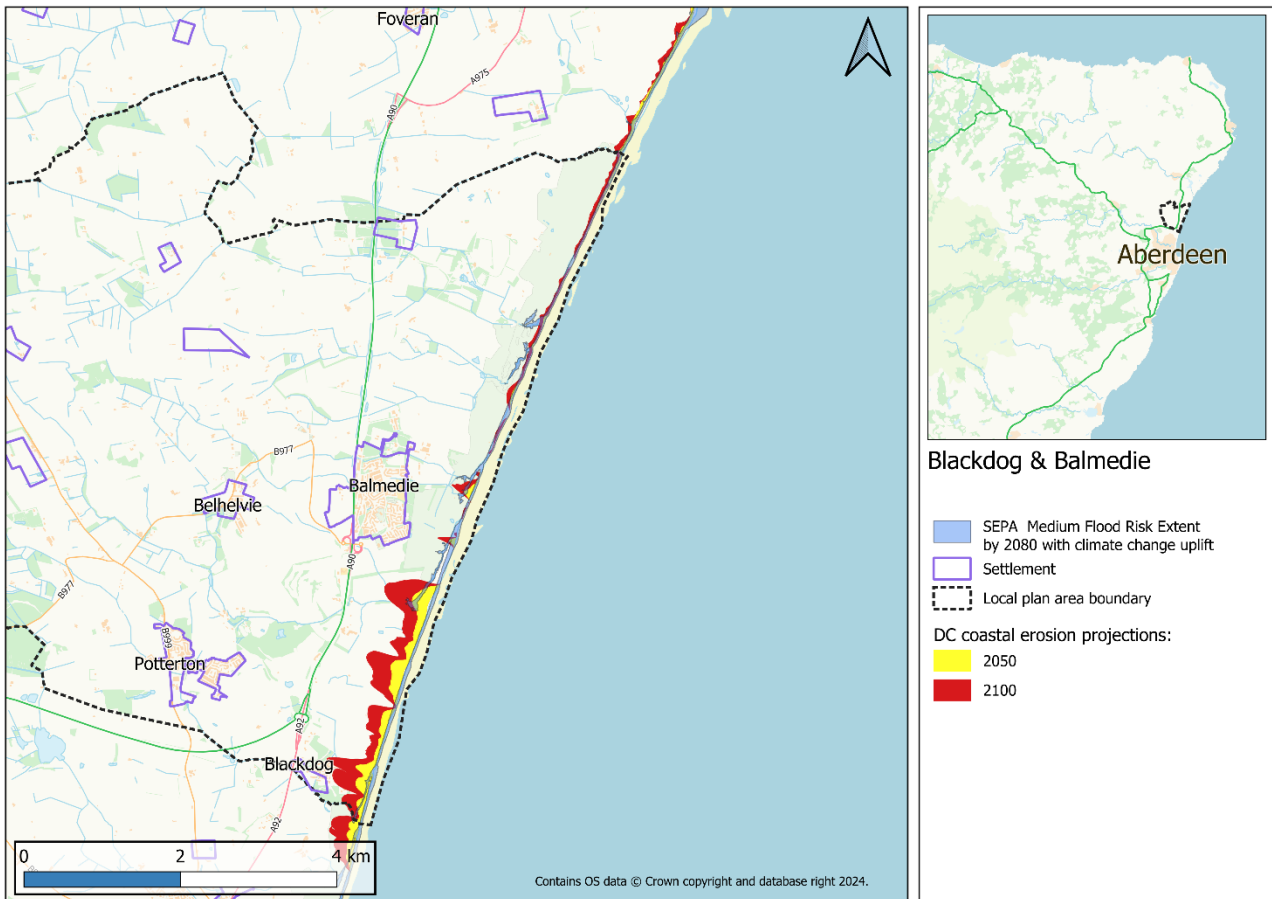


Figure A.13: Coastal erosion and flood risk projection extents for Blackdog and Balmedie Community Area

4. Kincardine and Mearns

Portlethen and District

Portlethen and District CA has the lowest rank for risk to assets from erosion and flooding, with no assets at risk, mainly due to a rocky or cliff dominated coastline with no active or historic erosion (Figure A.14). The CA has no built or natural coastal defence assets to manage.

The CA is ranked 6th of seven in the first iteration of the prioritisation calculation within its Committee Area, and 18th of 20 overall for Aberdeenshire.

Table A- 15 summarises influence factor results for Portlethen and District Coast.

Table A- 15: Portlethen and District Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	0
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	0
	Historical Coastal Change Rate (m/year)	Maximum in CA	0
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.013
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5705
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0

Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5
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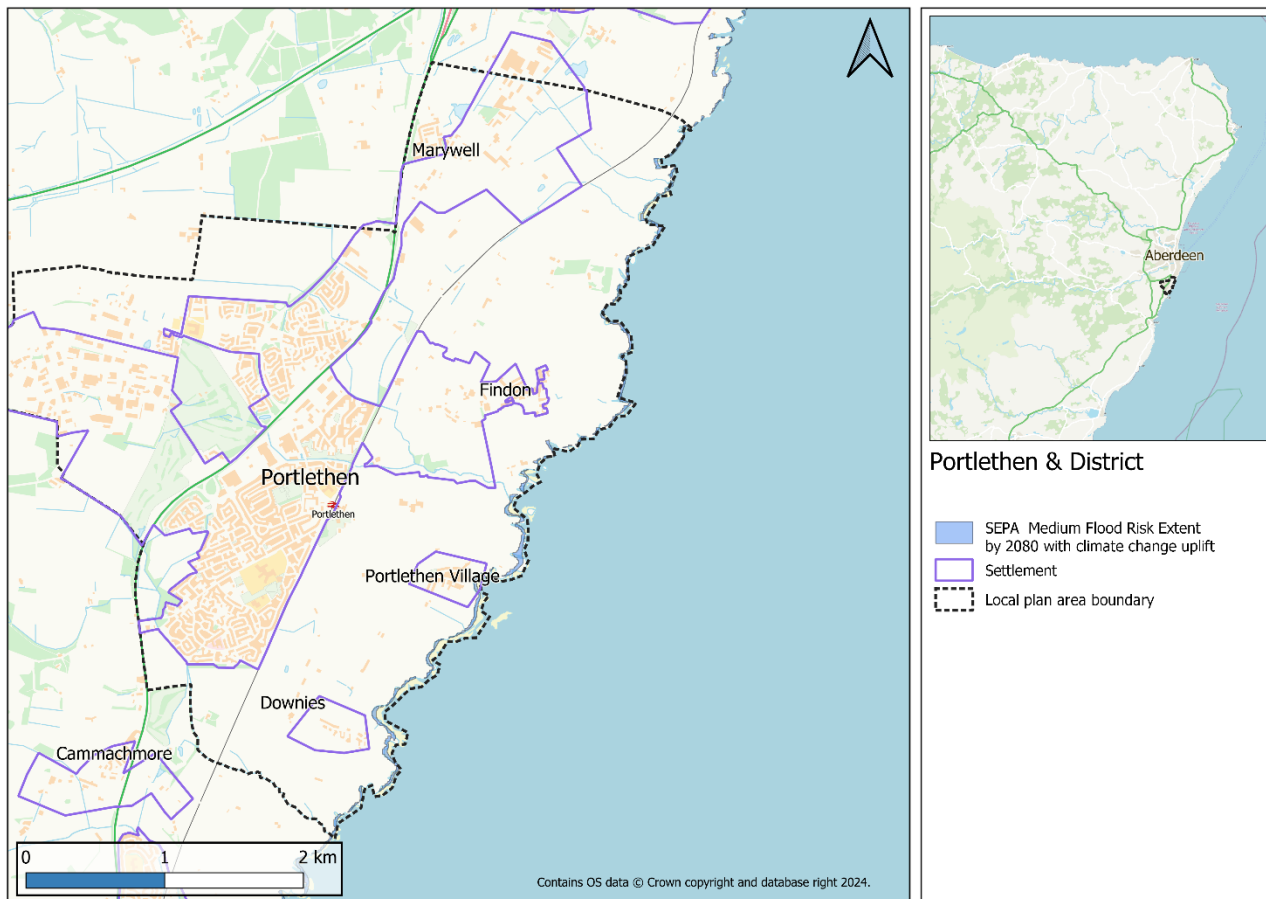


Figure A.14: Coastal erosion and flood risk projection extents for Portlethen and District Community Area

Newtonhill and Muchalls

Newtonhill and Muchalls CA has a very low risk to assets from erosion and flooding (Figure A.15). There are no properties, infrastructure or greenspace at risk within the CA, but has an actively eroding coastline, albeit with a very low historic erosion extent and maximum historic erosion change rate. The CA has no built or natural coastal defence.

The CA is ranked 4th of seven in the first iteration of the prioritisation calculation within its Committee Area, and 16th of 20 overall for Aberdeenshire.

Table A- 16 summarises influence factor results for Newtonhill and Muchalls Coast.

Table A- 16: Newtonhill and Muchalls Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	20
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.1
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.101
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5727
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major	5

		5 - moderate 1 - minor 0 - none	
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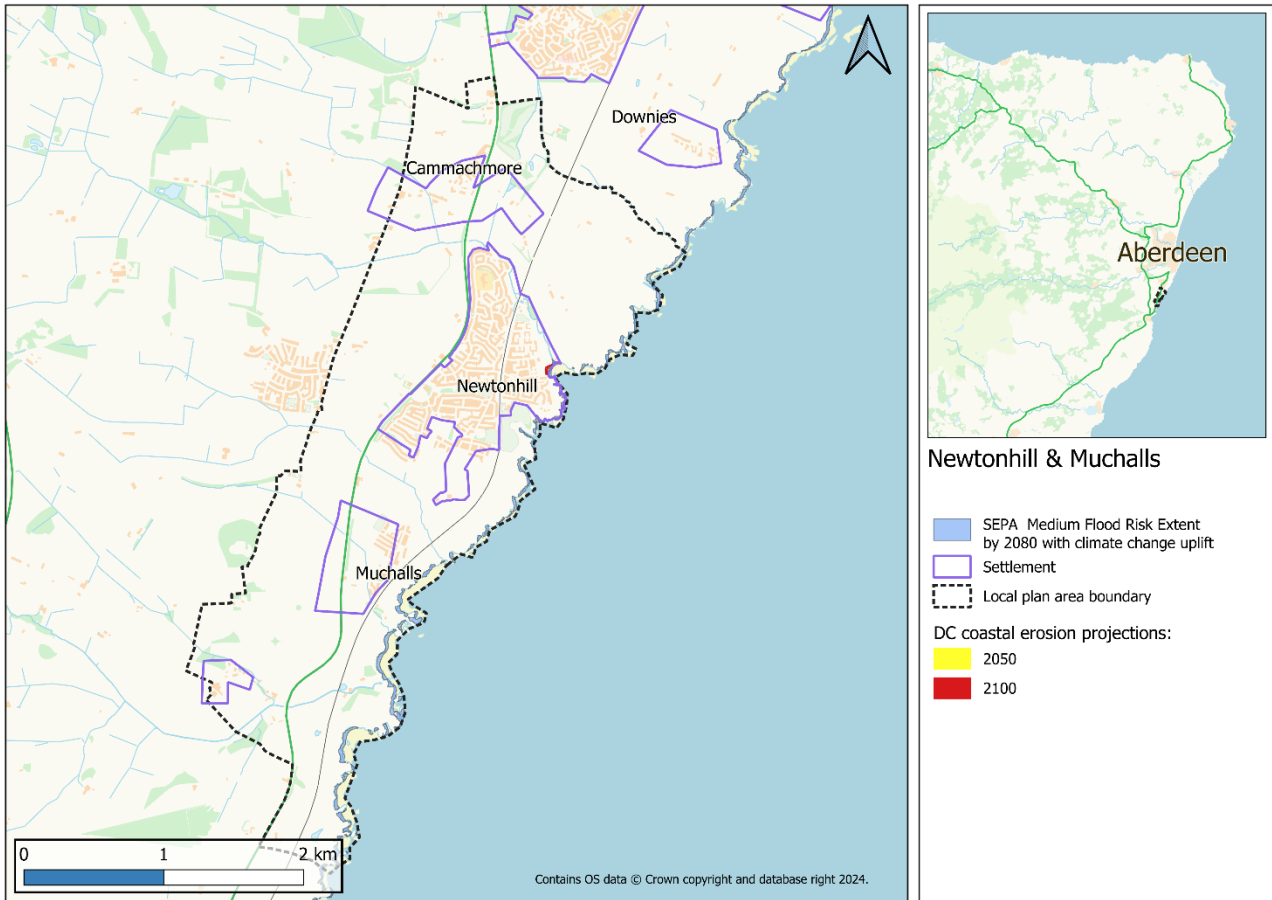


Figure A.15: Coastal erosion and flood risk projection extents for Newtonhill and Muchalls Community Area

Stonehaven and District

Stonehaven and District CA has a high risk to assets from erosion and flooding (Figure A.16). 83 properties are at risk from erosion and 251 from flooding by the year 2100. In addition, 246m of road and 560m of core path are at risk from erosion by 2050. Properties and infrastructure at risk are mainly within the town of Stonehaven from Auld Toon in the south along the coast northwards to Cowie. The coastline is actively eroding with high-ranking historic erosion extents and historic change rates for those indicators within the Committee Area. Natural and Built coastal defences are also high-ranking within the Committee Area. However, the CA has no identified development opportunities, recent/ongoing work or known erosion issues.

The CA is ranked 5th of seven in the first iteration of the prioritisation calculation within its Committee Area, and 17th of 20 overall for Aberdeenshire. The main driver behind this is the influence that recent investment in the appraisal of a coastal flood defence scheme for Stonehaven (<http://www.stonehavenbaycoastalfloodstudy.com/>) has on the overall scoring. This work was completed in 2018 and, at the time of writing, the outline scheme design under consideration for funding from Scottish Government. Until a decision on this investment is made there is limited value in pursuing a new CCAP.

Table A- 17 summarises influence factor results for Stonehaven and District Coast.

Table A- 17: Stonehaven and District Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	83
		Erosion risk 2050	3
		DC 2100 flood climate change	251
	Roads at risk (length m)	Erosion risk 2050	246
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	561
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	360
	Historical Coastal Change Rate (m/year)	Maximum in CA	-1.2
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	1440
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.028
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	0

Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5439
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5

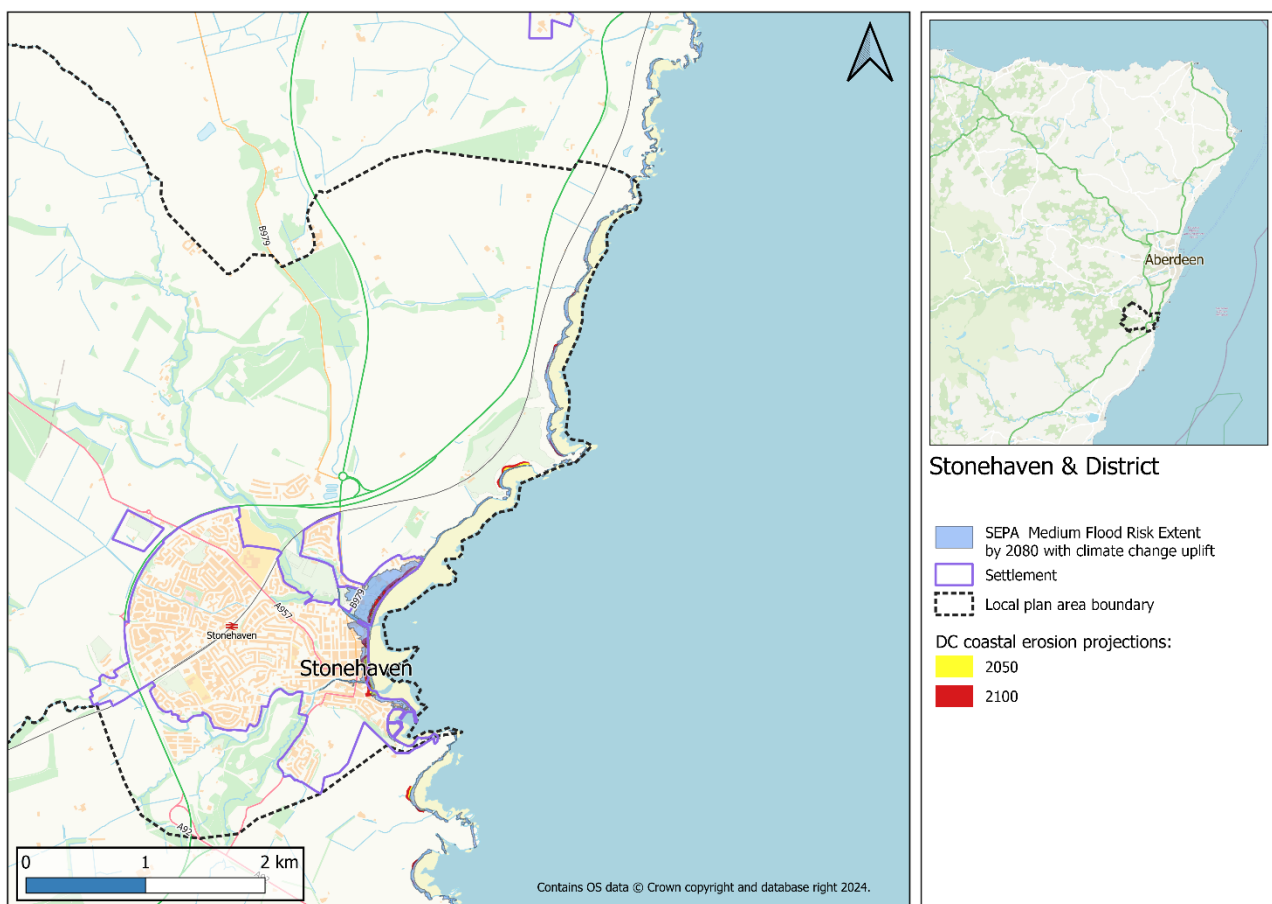


Figure A.16: Coastal erosion and flood risk projection extents for Stonehaven and District Community Area

Catterline, Kinneff and Dunnottar

Catterline, Kinneff and Dunnottar CA has no risk to assets from erosion and flooding, but the coastline is actively eroding albeit with very low-ranking erosion extents and historic change rates (Figure A.17). There are no natural or built coastal defences. The CA has no identified opportunities in the CA, ranking lowest.

The CA has the lowest ranking of seven in the first iteration of the prioritisation calculation within its Committee Area, and the lowest overall ranking of 20 overall for Aberdeenshire.

Table A- 18 summarises influence factor results for Catterline, Kinneff and Dunnottar Coast.

Table A- 18: Catterline, Kinneff and Dunnottar Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	0
		Erosion risk 2050	0
		DC 2100 flood climate change	0
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	20
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.1
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	5
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	5127
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	0
Known Issues	Known erosion issues (score)	10 - major	5

		5 - moderate 1 - minor 0 - none	
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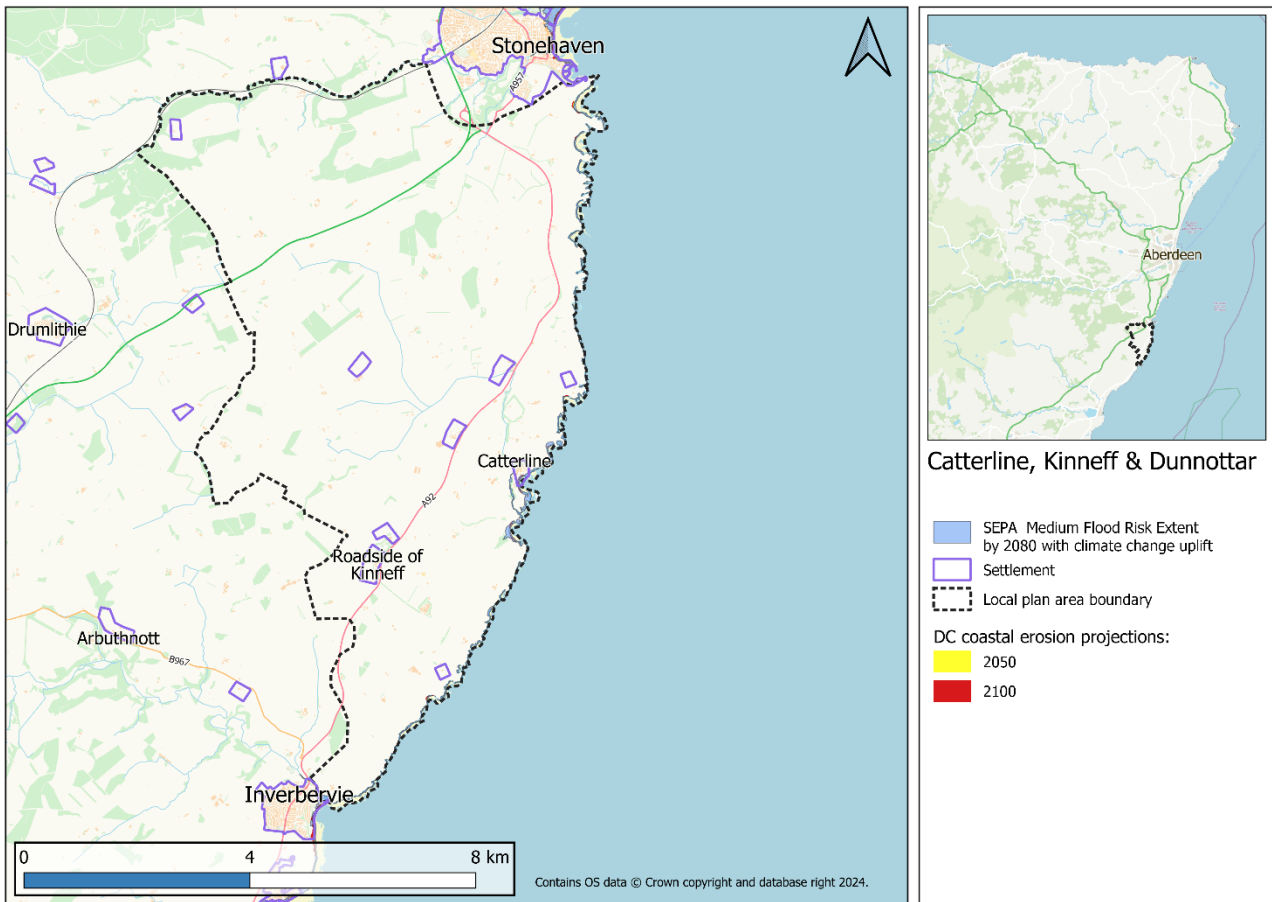


Figure A.17: Coastal erosion and flood risk projection extents for Catterline, Kinneff and Dunnottar Community Area

Gourdon and Inverbervie

Gourdon and Inverbervie CA has a mid-range ranking for risk to assets from erosion and flooding, with 37 properties at risk from flooding by 2100 and 3 from erosion (Figure A.18). There are known erosion issues within this CA. There is 116m of coastal path at risk by 2050, with mid-ranking erosion extents and historic change rates. There are 898m of built coastal defence and not natural defence. There are no identified opportunities in the CA at risk.

The CA is ranked 1st of seven in the first iteration of the prioritisation calculation within its Committee Area, and 7th of 20 overall for Aberdeenshire.

Table A- 19 summarises influence factor results for Gourdon and Inverbervie Coast.

Table A- 19: Gourdon and Inverbervie Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	3
		Erosion risk 2050	0
		DC 2100 flood climate change	37
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	116
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	440
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.5
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	898
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.249
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	4994
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1

Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5
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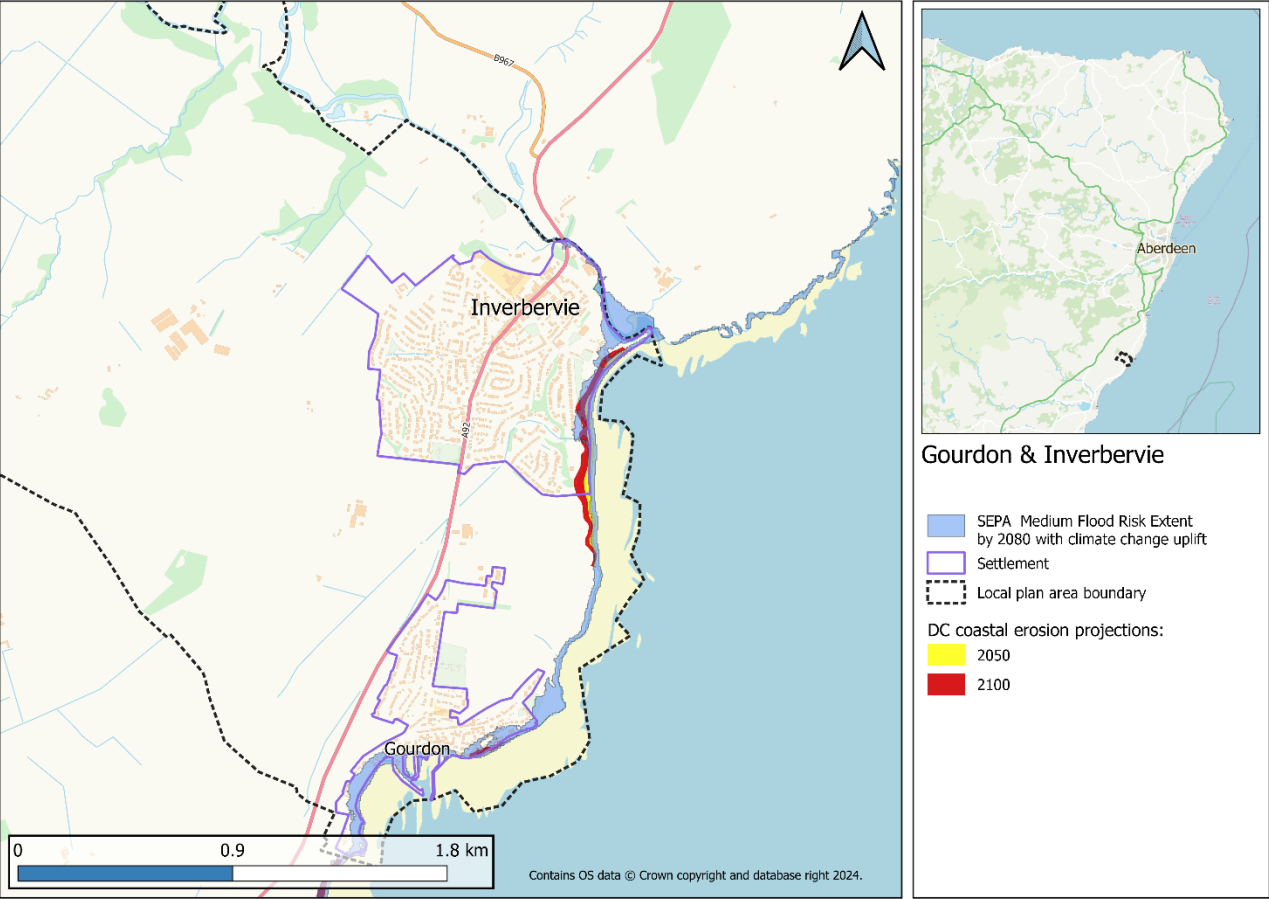


Figure A.18: Coastal erosion and flood risk projection extents for Gourdon and Inverbervie Community Area

Benholm and Johnshaven

Benholm and Johnshaven CA has a mid-range ranking for risk to assets from erosion and flooding, with 27 properties at risk from flooding by 2100 and 14 from erosion (Figure A.19). There are 522m of built coastal defences and no natural defence giving a mid-ranking Management influence factor within its Committee Area. None of the identified opportunities in the CA are at risk.

The CA is ranked 3rd of seven in the first iteration of the prioritisation calculation within its Committee Area, and 14th of 20 overall for Aberdeenshire.

Table A- 20 summarises influence factor results for Benholm and Johnshaven Coast.

Table A- 20: Benholm and Johnshaven Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	14
		Erosion risk 2050	1
		DC 2100 flood climate change	27
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	0
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	20
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.1
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	522
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.066
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	3896
Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1

Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	5
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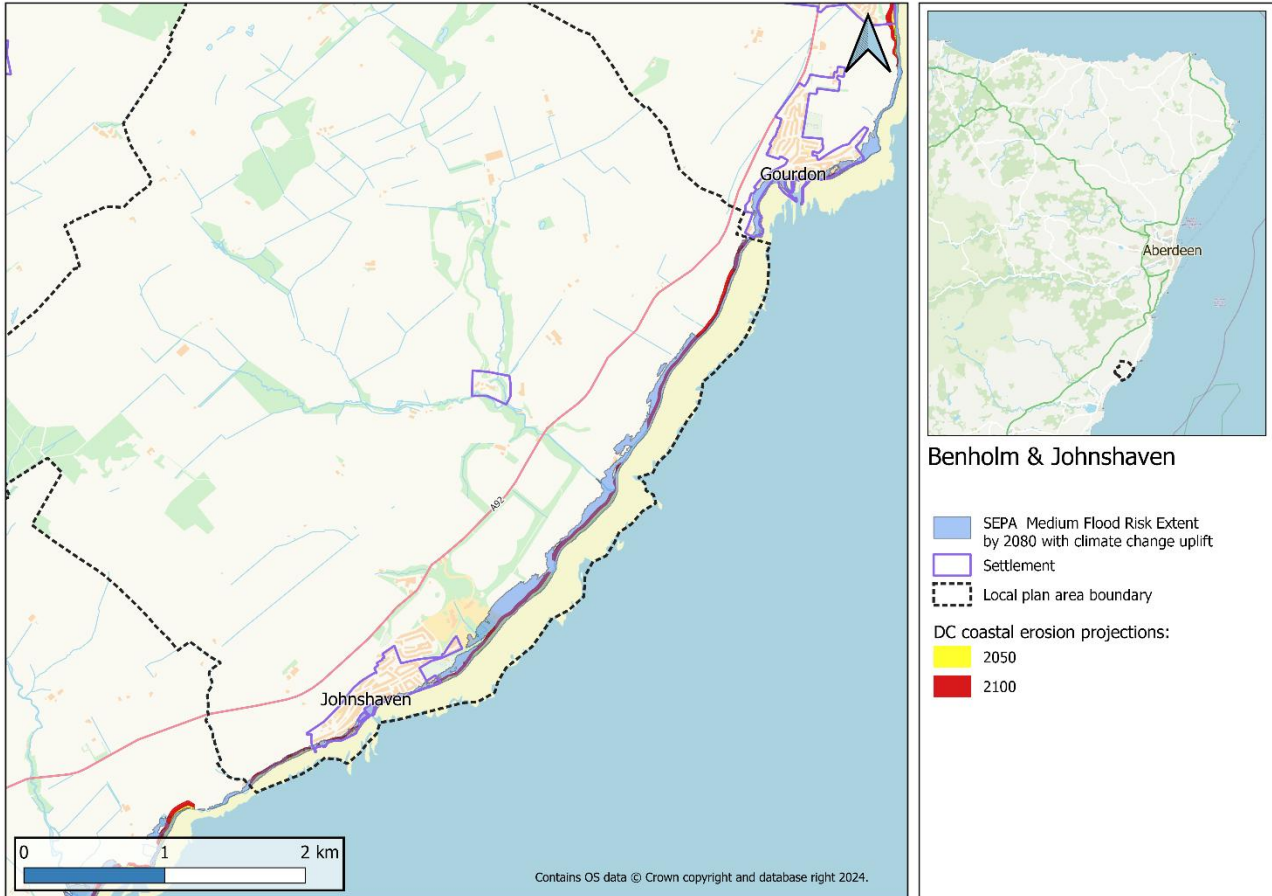


Figure A.19: Coastal erosion and flood risk projection extents for Benholm and Johnshaven Community Area

St Cyrus

St Cyrus CA is in the mid-range ranking for risk to assets from erosion and flooding, with 13 properties at risk from flooding by 2100 and 7 from erosion (Figure A.20). 952m of core paths are at risk from erosion by 2050, the highest within its Committee Area. The coast is actively eroding, with 910m of historic eroding coastline, the highest within its Committee Area and the second highest historic erosion change rate. There is no built coastal defence, but 0.042km² of natural defence, giving a high-ranking management influence factor within its Committee Area.

The CA is ranked 2nd of seven in the first iteration of the prioritisation calculation within its Committee Area, and 9th of 20 overall for Aberdeenshire.

Table A- 21 summarises influence factor results for St Cyrus Coast.

Table A- 21: St Cyrus Coast influence factor results for prioritisation calculation inputs.

Influence Factor	Description and Unit	Details	Value
Risk	Properties at risk (count)	Erosion risk 2100	7
		Erosion risk 2050	0
		DC 2100 flood climate change	13
	Roads at risk (length m)	Erosion risk 2050	0
	Greenspace (m ²)	Erosion risk 2050	0
	Paths at risk (length m)	Erosion risk 2050	952
	Transects exist that are currently eroding (1=Yes; 0=No)	Erosion present day	1
	Negative historical Coastal Change Rate Transects (m)	Negative historical erosion change rate transects count * 10 (1 transect per 10m)	910
	Historical Coastal Change Rate (m/year)	Maximum in CA	-0.7
Management	Length of hard Defences (m)	Formal defences under Aberdeenshire Council responsibility	0
	Area of Natural Defences (km ²)	Natural features intersecting erosion projections 2050 or 2100	0.042
	Recent/ongoing work (score)	0 - substantial capital 1 - moderate feasibility 5 - minor maintenance 10 - none	10
Development	Regeneration Priority overlap (1=No; 0=Yes)	Do LDP Regeneration areas overlap the CA	1
	Identified opportunities area (km ²)	Proportion of coastal unit that overlaps LDP opportunities	0.076
	Identified opportunities at risk (1=Yes; 0=No)	Proportion of 2100 projections that overlaps identified opportunities	0
Demographics	SIMD (score)	Average SIMD	4447

Economics	Strategic growth area (1=No; 0=Yes)	Overlap of coastal unit with LDP strategic growth area	1
Known Issues	Known erosion issues (score)	10 - major 5 - moderate 1 - minor 0 - none	0

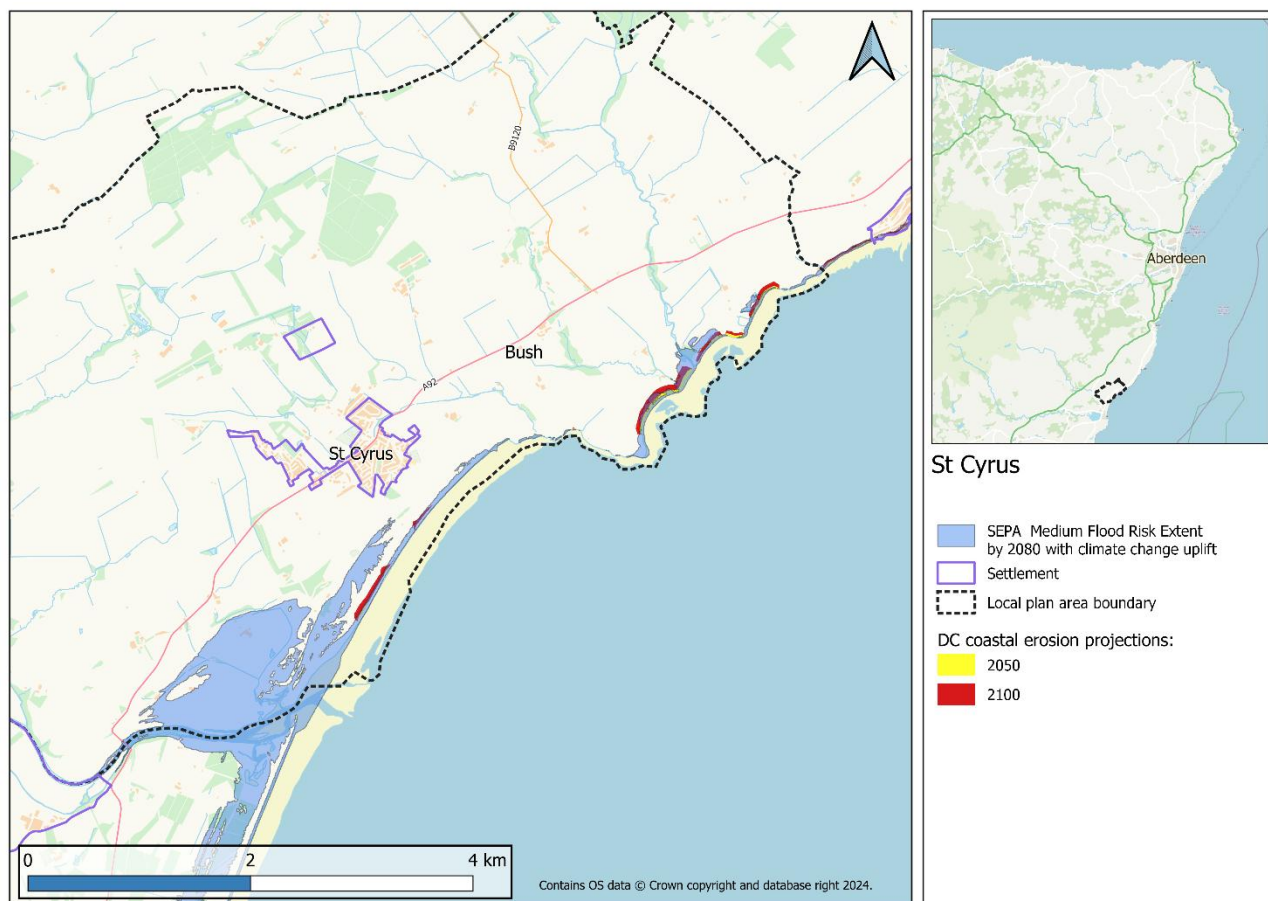


Figure A.20: Coastal erosion and flood risk projection extents for St Cyrus Community Area

B. Community Area Prioritisation

B.1 Prioritisation Data Sources

Pooled Prioritisation Group	Indicator Group	Indicator	Source	Notes
Risk	Properties	Erosion risk by 2050	Dynamic Coast CZC 1km dataset	Residential plus non-residential properties within erosion or influence zone
		Flood risk by 2100+cc	Dynamic Coast CZC 1km dataset	Residential plus non-residential properties within SEPA's Medium Probability flood risk area
		Erosion risk by 2100+cc	Dynamic Coast RPs/NRPs_RCP85 shape files	Residential plus non-residential Properties within erosion or influence zone
	Roads	Erosion risk by 2050	Dynamic Coast CZC 1km dataset	Roads within erosion or influence zone
	Greenspace	Erosion Risk by 2050	Dynamic Coast CZC 1km dataset	Greenspace within erosion or influence zone
	Paths	Erosion risk by 2050	Aberdeenshire Council core paths and Dynamic coast 2050 erosion polygons	Overlap of core paths with erosion polygons
	Coastal Change	Currently eroding	Dynamic Coast CZC 1km dataset	Any coastal feature that is currently eroding (Er_2020 boolean)
		Historic erosion extent	Dynamic Coastal 10m transects	Amount of coastline length that has a history of erosion
		Maximum historic rate of erosion	Dynamic Coastal 10m transects	Highest historical rate of erosion within the coastal unit
Management	Built Defences	Length	Dynamic Coast CZC 1km dataset	Art_Len attribute

	Natural Defences	Area interacting with erosion projections	Habitat Map of Scotland. 2012/2013 Survey data	Sum area of dune and shingle features that touch the 2050 erosion projections
Development	Regeneration Priority	CU in Regeneration Priority Area	LDP23 Regeneration Areas and DC CZC layers	Coastal Unit overlap with LPD Regeneration Areas (Y/N)
	Identified Opportunities	Identified opportunities Area proportion	LDP23 Regeneration Areas and DC CZC layers	Proportion of overlapping Regeneration areas in relation to overall Coastal Unit area for the LPA
	Identified Opportunities (Risk)	Area of Identified opportunities at risk	Dynamic Coast LDP23 Regeneration Areas, CZC layer and 2050 Erosion Projection polygons.	Area of Identified opportunities at risk from erosion.
Demographic	SIMD Rank	Average SIMD	Dynamic Coast Local Plan boundary, CZC layer, Coastal SIMD	Uses proportion of SIMD polygon within each 1km coastal unit polygon to get an overall SIMD for the LP coastal area
Economic	Strategic Growth	Targetted for Strategic Growth Y/N	CZC layer and LDP Strategic Growth	Do the layers overlap within the LPA?

B.2 Prioritisation Results

Committee Area	Community Area	Unit Coastal Length (m)	Unit Area (km ²)	Risks Indicators									Management Indicators			Development indicators			Demographic Indicator	Economic Indicator	Known Issues	Weighted Score
				Properties at risk			Roads at risk	Greenspace	Paths	Coastal change			Built Defences	Natural Defences	Recent / Ongoing Work	Reneration Priority	Identified Opportunities	Identified Opportunities (Risk)				
				DC 2050	DC 2100 Flooding	DC 2100	DC 2050	DC 2050	DC 2050	DC 2020	Erosion Proportion	DC Hist Max										
Banff and Buchan	Banff & Macduff	13225.9	33.98	6	16	10	20	1	5	20	4	8	7	1	20	0	5	0	15	20	0	5601.00
Banff and Buchan	Sandend and District	8855.34	52.25	0	1	0	0	0	0	0	0	0	1	1	20	20	1	0	18	20	20	4341.00
Banff and Buchan	Gamrie Bay	22213.09	149.06	20	4	20	19	0	1	20	4	1	3	1	20	0	1	0	16	20	0	6835.00
Banff and Buchan	New Aberdour and Pennan	12891.9	79.77	0	0	0	0	0	0	20	3	1	0	1	10	20	0	0	20	20	0	1650.00
Banff and Buchan	Portsoy & District	11174.59	18.21	0	1	1	1	0	0	0	0	0	3	1	20	20	1	0	11	20	0	2401.00
Banff and Buchan	Sandhaven, Pitullie & Rosehearty	10317.25	19.84	0	2	1	0	0	0	20	1	2	5	1	20	0	3	0	15	20	0	2482.00
Banff and Buchan	Whitehills & District	10204.17	28.82	0	2	0	0	1	1	20	3	2	1	1	20	0	1	0	11	20	0	2583.00
Banff and Buchan	Invercairn & Fraserburgh	18730.12	67.61	0	10	6	0	0	0	20	4	8	7	5	20	0	17	20	14	20	20	7450.00
Buchan	Boddam & Peterhead	20672.45	37.89	0	9	0	0	0	0	0	0	0	20	1	20	0	7	0	10	0	0	2479.00
Buchan	Buchan East	24832.6	85.11	0	0	0	0	0	20	20	17	5	1	20	20	0	2	0	11	0	0	5910.00
Buchan	Cruden	22714.59	64.39	0	0	0	0	0	4	20	1	1	1	2	20	20	5	0	12	0	0	2514.00
Formartine	Blackdog & Balmedie	9725.57	50.73	0	0	2	0	20	12	20	20	20	0	8	20	20	20	0	1	0	0	5462.00
Formartine	Foveran, Slains & Collieston	32914.8	87.33	0	3	0	0	0	6	20	15	5	0	14	20	20	4	0	3	0	0	5049.00
Kincardine and Mearns	Benholm & Johnshaven	6275.76	21.08	1	3	3	0	0	0	20	1	1	1	0	20	20	2	0	12	20	0	2433.00
Kincardine and Mearns	Catterline, Kinneff & Dunnottar	24947.61	59.65	0	0	0	0	0	0	20	1	1	0	0	10	20	0	0	3	0	0	1160.00
Kincardine and Mearns	Gourdon & Inverbervie	4421.55	9.91	0	3	1	0	0	2	20	3	2	2	0	20	20	7	0	4	20	20	4505.00
Kincardine and Mearns	Newtonhill & Muchalls	9380.63	7.87	0	0	0	0	0	0	20	1	1	0	0	20	20	3	0	0	0	0	2160.00
Kincardine and Mearns	Portlethen & District	10965.27	14.36	0	0	0	0	0	0	0	0	0	0	0	20	20	1	0	0	0	0	2030.00
Kincardine and Mearns	St Cyrus	16769.06	35.3	0	2	2	0	0	11	20	5	2	0	1	20	20	2	0	6	20	0	2773.00
Kincardine and Mearns	Stonehaven & District	11140	64.53	2	20	17	13	0	6	20	2	4	3	1	0	20	0	0	0	0	0	2086.00