

North East Local Plan District (LPD 6)

Draft Flood Risk Management Strategy 2021-2027

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Draft Flood Risk Management Strategy 2021-2027



The North East Local Plan District covers an area of around 6,500km² and has a population of approximately 500,000 people. It covers part of the north-east of Scotland from the central and eastern Grampians, north to the Outer Moray Firth and east to the Aberdeenshire coastline.

Within the Cairngorms National Park, heather and montane habitats dominate. Elsewhere, land use is typically arable, horticultural farmland and improved grasslands. The main urban area is around Aberdeen City. The River Dee, River Don, River Deveron and the River Ythan are the main rivers in the area. There are a few large lochs in the area including Loch Muick, Loch of Strathbeg, Loch of Skene and Loch Kinord. The coastline is approximately 220km in length with variable extents of beach and hard rock.

There is river, surface water and coastal flood risk in the Local Plan District, with the main risk coming from river and surface water flooding. The area has been affected by several large floods, including in December 2015 when Storm Frank caused considerable damage throughout Deeside, most notably in Ballater. Subsequent storms in January 2016 caused significant damage throughout the area including in Inverurie, Port Elphinstone, Kemnay, Kintore and Ellon. Significant flooding from the sea and from smaller watercourses and surface water has also occurred, most notably in Aberdeen and Stonehaven, with many towns and villages also affected by flooding.

Currently it is estimated that there are 51,000 people and 30,000 homes and businesses at risk from flooding. This is estimated to increase to 64,000 people and 38,000 homes and businesses by the 2080s due to climate change. The annual cost of flooding is approximately £26 million. Note however that flooding from wave overtopping is not fully represented in the assessment of flood risk and the impact of coastal flooding may be underestimated.

SEPA lead development of the Flood Risk Management Strategies for Scotland and delivery of flood warning services. Local flood risk management planning is led by Aberdeenshire Council who is the lead authority. Other responsible authorities include Aberdeen City Council, Moray Council, Cairngorms National Park Authority and Scottish Water. They are supported by Scottish Government agencies including Forestry and Land Scotland, Scottish Forestry and Transport Scotland.

Within this Local Plan District, actions are regularly carried out by SEPA and responsible authorities to help prepare communities for potential flooding and reduce the impact of any flooding that does occur. More information on these actions will be added to this section for 22 March 2021.

Potentially Vulnerable Areas (PVA) were designated in 2018 based on the potential current or future risk from all sources of flooding. This designation was informed by the National Flood Risk Assessment ([link](#)). As part of continued analysis of flood risk, the National Flood Risk Assessment and PVAs will be reviewed every six years to take on board any new information. There are 26 PVAs in this Local Plan District. Following sections provide more information on these areas.

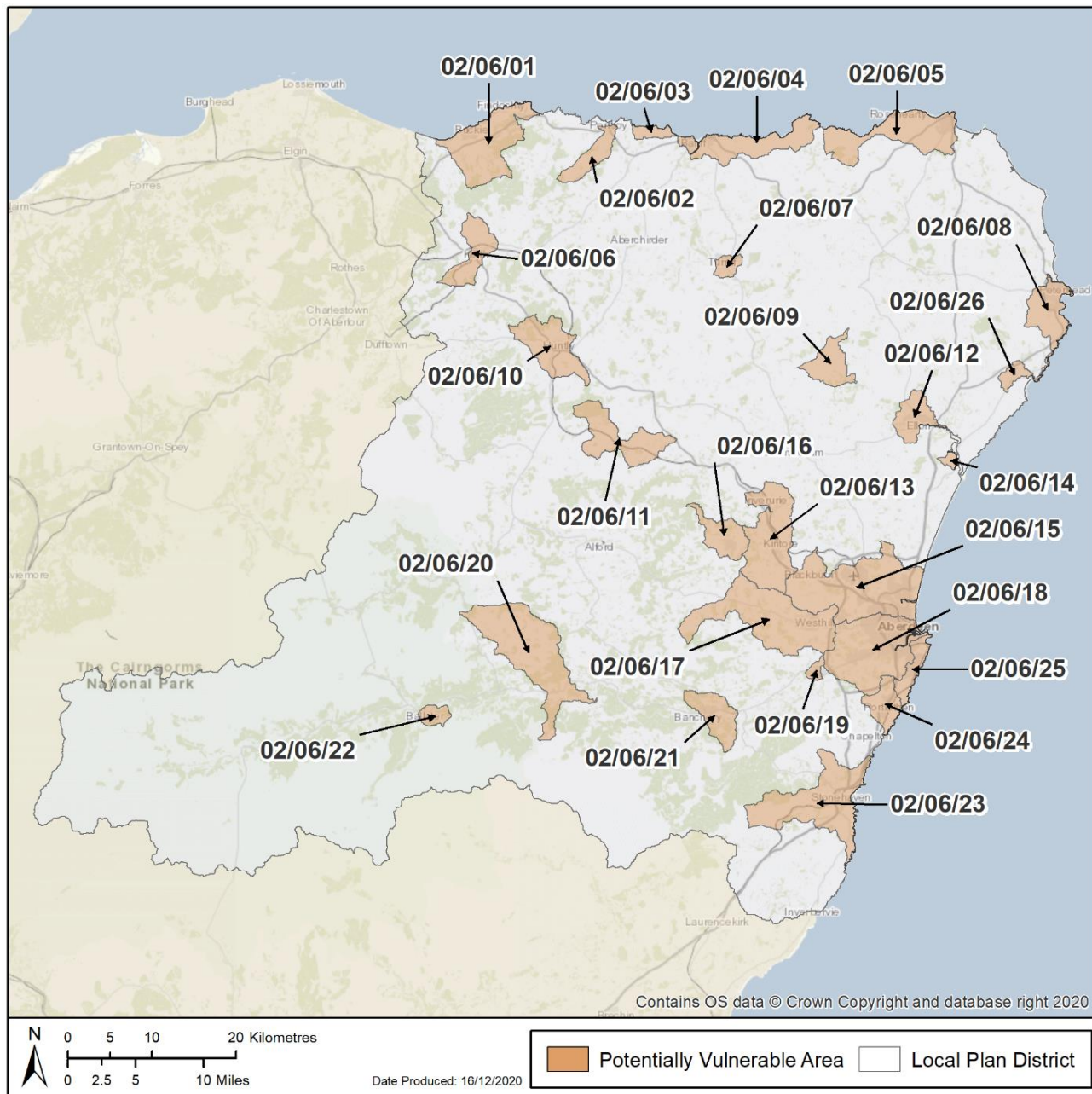


Figure 1. Potentially Vulnerable Areas in North East Local Plan District

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PVA Ref	PVA NAME	Local Authority
02/06/01	Portgordon and Buckie	Moray
02/06/02	Portsoy	Aberdeenshire
02/06/03	Banff and Whitehills	Aberdeenshire
02/06/04	Macduff	Aberdeenshire
02/06/05	Fraserburgh and Rosehearty	Aberdeenshire
02/06/06	Keith and Newmill	Moray
02/06/07	Turriff	Aberdeenshire
02/06/08	Peterhead	Aberdeenshire
02/06/09	Methlick	Aberdeenshire
02/06/10	Huntly	Aberdeenshire
02/06/11	Insch	Aberdeenshire
02/06/12	Ellon	Aberdeenshire
02/06/13	Inverurie and Kintore	Aberdeenshire
02/06/14	Newburgh	Aberdeenshire
02/06/15	Aberdeen City - North	Aberdeen City
02/06/16	Kemnay	Aberdeenshire
02/06/17	Westhill	Aberdeenshire
02/06/18	Aberdeen City - South	Aberdeen City

PVA Ref	PVA NAME	Local Authority
02/06/19	Peterculter	Aberdeen City
02/06/20	Aboyne	Aberdeenshire
02/06/21	Banchory	Aberdeenshire
02/06/22	Ballater	Aberdeenshire
02/06/23	Stonehaven	Aberdeenshire
02/06/24	Portlethen	Aberdeenshire
02/06/25	Cove and Nigg Bay	Aberdeen City
02/06/26	Cruden Bay	Aberdeenshire

02/06/01 (Portgordon and Buckie)

This area is designated as a Potentially Vulnerable Area due to Buckie and Portgordon being at risk of coastal and surface water flooding. Due to climate change induced sea-level rise, this flood risk is expected to increase. Recent flooding has occurred due to coastal, river and surface water flooding.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Portgordon	(Target Area 398)
Buckie and Portessie	(Target Area 455)

02/06/02 (Portsoy)

This area is designated as a Potentially Vulnerable Area due to a risk of river flooding in Portsoy from the Soy Burn and the Burn of Durn, and surface water flooding. Recent flooding was caused by rivers.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Portsoy	(Target Area 399)
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02/06/03 (Banff and Whitehills)

This area is designated as a Potentially Vulnerable Area due to the risk of flooding to Banff and Whitehills. Banff has been affected by river, coastal and surface water flooding, while Whitehills has been affected by surface water and coastal flooding. Coastal flood risk is likely to increase due to sea level rise caused by climate change. Recent flooding has occurred due to surface water.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Banff	(Target Area 400)
Whitehills	(Target Area 401)

02/06/04 (Macduff)

This area is designated as a Potentially Vulnerable Area as Crovie, Gardenstown and Macduff are at coastal flood risk.

There are 3 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Macduff	(Target Area 402)
Gardenstown	(Target Area 458)
Crovie	(Target Area 459)

02/06/05 (Fraserburgh and Rosehearty)

This area is designated as a Potentially Vulnerable Area due to river, coastal and surface water flood risk. Fraserburgh is at risk from coastal, river and surface water flooding. Pennan and Sandhaven are at coastal flood risk. Rosehearty is at risk of river and surface water flooding. Recent floods occurred in September 2019 as a result of surface water flooding.

There are 4 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Fraserburgh	(Target Area 408)
Pennan	(Target Area 460)
Sandhaven	(Target Area 461)
Rosehearty	(Target Area 462)

02/06/06 (Keith and Newmill)

This area is designated as a Potentially Vulnerable Area due to surface water flood risk in Keith and Newmill. Newmill benefits from a flood scheme, which reduces the risk of flooding from surface water and the Burn of Kimminitie at Low Road.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Keith	(Target Area 404)
Newmill (Keith)	(Target Area 444)

02/06/07 (Turriff)

This area is designated as a Potentially Vulnerable Area due to river and surface water flood risk in Turriff. Recently flooding was caused by surface water.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Turriff	(Target Area 449)
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02/06/08 (Peterhead)

This area is designated as a Potentially Vulnerable Area due to the risk of surface water and coastal flooding to Boddam and Peterhead. Coastal flood risk is likely to increase due to sea level rise caused by climate change. Recent flooding was caused by surface water.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Boddam	(Target Area 406)
Peterhead	(Target Area 407)

02/06/09 (Methlick)

Methlick is designated as a Potentially Vulnerable Area due to river and surface water flood risk to Methlick. Recent flooding was caused by rivers.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Methlick	(Target Area 450)
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02/06/10 (Huntly)

This area is designated as a Potentially Vulnerable Area due to flood risk from the River Deveron, River Bogie, and the Ittingstone and Meadows burns. River flood risk to the Meadows area of Huntly is managed by the flood protection scheme. There is also a risk of surface water flooding. There is a history of flooding, with recent flooding being caused by river and surface water.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Huntly	(Target Area 403)
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02/06/11 (Insch)

Insch is designated as a Potentially Vulnerable Area due to the risk of flooding from surface water, the Valentine Burn and The Shevock. There is a history of flooding, with floods recorded as a result of river and surface water flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Insch

(Target Area 411)

02/06/12 (Ellon)

This area is designated as a Potentially Vulnerable Area due to river and surface water flood risk to Ellon. Recent flooding has occurred due to river and surface water flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Ellon

(Target Area 405)

02/06/13 (Inverurie and Kintore)

This area is designated as a Potentially Vulnerable Area due to the recent occurrence of surface and river flooding in Inverurie and Kintore.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Inverurie

(Target Area 409)

Kintore

(Target Area 410)

02/06/14 (Newburgh)

This area is designated as a Potentially Vulnerable Area due to coastal flood risk to Newburgh. There is potential for a significant increase in flood risk due to the impacts of sea level rise due to climate change.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Newburgh (Aberdeenshire) (Target Area 423)

02/06/15 (Aberdeen City – North)

This area is designated as a Potentially Vulnerable Area due to the risk of flooding from surface water, small watercourses and the River Don to Bridge of Don, Dyce and Kingswells (north). Flooding has occurred in the past from river and surface water with recent surface water flooding being recorded.

There are 3 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Bridge of Don (Target Area 412)
 Dyce (Target Area 430)
 Kingswells (north) (Target Area 445)

02/06/16 (Kemnay)

Kemnay is designated as a Potentially Vulnerable Area due to river and surface water flooding. Recent flooding occurred due to river flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Kemnay

(Target Area 422)

02/06/17 (Westhill)

This area is designated as a Potentially Vulnerable Area due to the risk of surface water flooding to Westhill. There are some records of surface water and small water courses flooding roads.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Westhill

(Target Area 416)

02/06/18 (Aberdeen City – South)

This area is designated as a Potentially Vulnerable Area due to the risk of river, coastal and surface water flooding to Aberdeen. Coastal flood risk is likely to increase due to sea level rise caused by climate change. Riverside Drive floods from the River Dee due to high tides. Surface water flooding affected Aberdeen on a number of occasions, causing roads to flood. The Merchant Quarter was particularly affected in the past.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Aberdeen Central

(Target Area 413)

02/06/19 (Peterculter)

Peterculter is designated as a Potentially Vulnerable Area due to river flooding from the Culter Burn, and surface water flooding. Recent flooding occurred due to river and surface water flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Peterculter (Target Area 415)

02/06/20 (Aboyne)

This area is designated as a Potentially Vulnerable Area due to past flooding in Aboyne and Tarland from the Tarland Burn. Surface water flooding has also occurred in Aboyne. Recent flooding was caused by both river and surface water flooding.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Aboyne (Target Area 417)
Tarland (Target Area 418)

02/06/21 (Banchory)

This area is designated as a Potentially Vulnerable Area as Banchory is at risk of surface water flooding. There is a history of flooding, with recent flooding due to surface water.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Banchory

(Target Area 433)

02/06/22 (Ballater)

This area is designated as a Potentially Vulnerable Area due to flood risk from the River Dee and surface water flooding to Ballater. Recent floods have occurred in the area from both surface water and river flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Ballater

(Target Area 414)

02/06/23 (Stonehaven)

This area is designated as a Potentially Vulnerable Area due to river, coastal and surface water flood risk. Coastal flood risk is likely to increase due to sea level rise caused by climate change. Recent floods have occurred as a result of all flood sources.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Stonehaven

(Target Area 419)

02/06/24 (Portlethen)

Portlethen is designated as a Potentially Vulnerable Area due to the risk of river and surface water flooding. Recent flooding occurred due to surface water flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Portlethen

(Target Area 425)

02/06/25 (Cove and Nigg Bay)

This area is designated as a Potentially Vulnerable Area due to risk of surface water flooding in the Cove Bay and Nigg Bay areas of Aberdeen.

There are 2 areas in this PVA, which have been the focus of further assessment, these are listed below. Further information on the proposed objectives and actions to manage flood risk within these areas will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Cove Bay

(Target Area 424)

Nigg Bay

(Target Area 426)

02/06/26 (Cruden Bay)

Cruden Bay is designated as a Potentially Vulnerable Area due to river flooding. There is a history of flooding, with recent flooding due to river flooding.

There is 1 area in this PVA, which has been the focus of further assessment, this is identified below. Further information on the proposed objectives and actions to manage flood risk within this area will be provided in Phase 2 of the consultation (launching on 22nd March 2021).

List of target areas

Cruden Bay

(Target Area 447)