

REPORT TO GARIOCH AREA COMMITTEE - 23 APRIL 2019

FLOOD RISK AND COAST PROTECTION PROGRAMME OF MEASURES 2019/2020

1 Recommendations

The Committee is recommended to:

1. **approve the Flood Management and Coast Protection Programme of Measures for 2019/2020 as detailed in Appendix A, as it relates to the Garioch Area;**
2. **approve the scheme on the Reserve List of Measures within the Garioch Area, as detailed in Appendix A; and**
3. **agree that scheme can be brought forward from the Reserve List in the order of priority (against others on Reserve List) given in the event of slippage, provided that their inclusion does not result in the overall expenditure exceeding the allocated budget sum.**

2 Background / Discussion

- 2.1 Aberdeenshire Council has over 4,000 kilometres of watercourses and around 200 kilometres of coastline. The watercourses include major rivers such as the Dee, Don, Deveron, Ythan and North Esk as well as around 80 minor rivers and burns. There are also many open and culverted or piped smaller watercourses.
- 2.2 Under the Flood Risk Management (Scotland) Act 2009 there is a strategic framework for considering appropriate mechanisms to manage flood risk. SEPA published the Flood Risk Management Strategy for Scotland including the North East District, which was approved by the Environment Minister in December 2015.
- 2.3 Aberdeenshire Council as Lead Local Authority for the North East District has developed the North East Local Flood Risk Management Plan (LFRMP), which was published in June 2016. This presents a summary of the objectives and measures to manage flood risk and details of how the measures will be implemented, as well as timescales for delivery, funding arrangements and details of partnership working to deliver these measures. The LFRMP can be viewed at:
<https://www.aberdeenshire.gov.uk/environment/flooding/flood-risk-management-scotland-act-2009/>
- 2.4 The allocations for 2019/20, as indicated in Appendix A consist:
 - a) Issues outwith the Local Flood Risk Management Plan identified on the basis of surveys and cyclic inspections that have taken place throughout the previous year on the Aberdeenshire coastline and its watercourses.

Issues raised by the public, local councillors and other council services are also taken into account when compiling the programme following necessary investigations of the problems by members of the team.

b) Specific actions identified in the Local Flood Risk Management Plan such as:

- Inspection and assessment of bodies of water required under S18 of the Flood Risk Management (Scotland) Act 2009
- Flood Protection Studies
- Surface Water Management Plans
- Clearance and Repair required under S59 of the Flood Risk Management (Scotland) Act 2009

2.5 Aberdeenshire Council has a duty to inspect watercourses from time to time and assess the flooding risks associated with them. The Council is then required to undertake clearance and maintenance works where these will lead to a significant reduction in the flood risk to property. Improvements to existing flood and coastal defences or provision of new defences may also be undertaken under permissive powers.

2.6 A reserve list of measures has also been prepared from which projects can be brought forward in the event of delays in the main list. These reserve measures have been prioritised on a needs rather than area basis, and will be selected in the order given provided that their inclusion does not result in a total expenditure which exceeds the available budget.

2.7 The purpose of this report is for Committee to agree the works programme. This report does not give Infrastructure Services the authority to incur expenditure on goods, works and services of £50,000, or over. The approval for such expenditure was sought through the approval of the Infrastructure Services Key Activity, Projects and Forward Procurement Work Plan 2019/20 which was approved by Infrastructure Services Committee on 14 March 2019 and approved by Garioch Area Committee on 19 March 2019.

2.8 The Head of Finance and Monitoring Officer within Business Services have been consulted in the preparation of this report and their comments are incorporated within the report and are satisfied that the report complies with the Scheme of Governance and relevant legislation.

3 Scheme of Governance

3.1 The Committee is able to consider and take a decision on this item in terms of Section B.1.1, 6.1 and 6.2 of the List of Committee Powers in Part 2A of the Scheme of Governance as they are being asked to determine a matter that is specific to its Area and it is prioritising Revenue expenditure estimates and commenting on capital projects on matters that are in the Area and impact the Area.

4 Implications and Risk

4.1 An equality impact assessment is not required because the works programme does not have a differential impact on any of the protected characteristics.

4.2 There are no staffing implications arising from this report.

- 4.3 The costs in the programme of measures identified as to be funded from Revenue for the 2019/2020 financial year are to be funded from the Flood Management allocation of £844,000 contained in the Revenue Budget for 2019/2020 as approved by Aberdeenshire Council on 14 February 2019.
- 4.4 The costs in the programme of measures identified to be funded from Capital will be met from the £2,150,000 allocation for the 2019/2020 financial year from the Harbours, Coast & Flooding line in the Capital Plan approved by Aberdeenshire Council on 14 February 2019.
- 4.5 Stonehaven Flood Protection Scheme costs are to be covered by the capital grant from the Scottish Government (80% funding) and the Harbours, Coast & Flooding line in the Capital Plan (20% funding) covered in 2018/19 and 2019/20, as confirmed by Finance Department and previously reported to Infrastructure Service Committee.
- 4.6 The following Risks have been identified as relevant to this matter on a Corporate Level –
<https://www.aberdeenshire.gov.uk/media/23595/20181128-aberdeenshire-corporate-risks-update.pdf>
- ACORP010 Environmental challenges e.g. extreme weather events, climate change. (This includes localised risks around flooding and air pollution and the need for communities to display resilience). As such, climate change is considered in flood risk and design. The following Risks have been identified as relevant to this matter on a Strategic Level – ISSR006 Flood Protection.
- 4.7 The Town Centre First Principle has been considered but not deemed relevant to this Programme of Measures.

Stephen Archer
Director of Infrastructure Services

Report prepared by Lee Watson, Principal Engineer
Date 4 April 2019

APPENDIX A

Flood Risk and Coast Protection Works 2019/20

MAIN LIST

| | Description | Revenue | Capital |
|-------------------------|---|-----------------|-----------------|
| Banff and Buchan | Macduff – New flood relief road drain at Commercial Street and High Shore outfall, investigation and design | £60,000 | |
| | Inverallochy – Cairnbulg culvert outfall improvement (Tree removals to prevent root ingress) | £1,000 | |
| | Pennan – Seawall repairs (in agreement with Community Council) | £5,000 | |
| | Crovie and Gardenstown Landslip maintenance | £5,000 | |
| | Whitehills – Remedial works to flood bund and drainage ditch improvements | £45,000 | |
| Buchan | Tillymaud culvert replacement | £32,000 | |
| | Auchngatt – New flood relief drain | £25,000 | |
| | Gadle Braes, Peterhead – Seawall repairs | £14,000 | |
| Formartine | Ellon Flood Protection Study (ongoing) | | £30,000 |
| | Pitmedden – Trash screen improvement and temporary flood storage | £10,000 | |
| Garioch | Inverurie and Port Elphinstone Flood Protection Study (ongoing) | | £30,000 |
| | Insch Flood Protection Study (ongoing) | | £30,000 |
| | Kemnay – Appoint Standby contractor at Kembhill Park for temporary flood protection barrier deployment | £8,000 | |
| Marr | Ballater Flood Protection Study (ongoing) | | £30,000 |
| | Huntly Scheme – Reservoir Inspections and Maintenance | £3,000 | |
| K&M | Stonehaven Coastal Flood Protection Study (ongoing) | | £45,000 |
| | Stonehaven – Seawall Maintenance and Fence Repairs | £6,000 | |
| | Inverbervie - Beach shingle management | £4,000 | |
| | Marykirk – New road culvert at Waste Water Treatment Works at Marymill (C18k Road) | £10,000 | |
| | TOTAL | £228,000 | £165,000 |

MAIN LIST – ALL AREAS

| | Description | Revenue | Capital |
|------------------|--|-----------------|-----------------|
| All Areas | Administration & Overheads (share of the Roads Service administration costs, made up of share of the central accommodation costs and miscellaneous administrative costs) | £190,000 | |
| | Team Staff time charges – split throughout projects | £200,000 | |
| | Inspection and assessment of bodies of water required under S18 of the FRM Act – Including Routine Inspections (Flooding and Coastal) | £10,000 | |
| | General Maintenance (Flooding and Coastal) including Clearance and Repair required under S59 of the FRM Act – (previously reported as Minor Schemes to ISC) | £65,000 | |
| | Investigations, reports and enquiries (Flooding and Coastal) | £10,000 | |
| | Flood warning & river gauging (including installation for future flood studies assume 4 new) | £15,000 | |
| | Flood emergency planning and response (including new sandbag filled shipping containers for communities) | £15,000 | |
| | Contribution to research and works benefitting Aberdeenshire, including Dee Catchment Management Plan contribution | £6,000 | |
| | Development of Surface Water Management Plans <ul style="list-style-type: none"> • Aboyne • Fraserburgh and Rosehearty • Huntly • Inverurie and Kintore • Peterhead • Portlethen • Stonehaven • Westhill | | £30,000 |
| | Additional Scanning and Archiving costs in advance of office relocation (leaving base at Carlton House) | £5,000 | |
| | Contribution to Harbours for Repairs and Maintenance (including dredging, supplies and services) | £100,000 | |
| | TOTAL FOR ALL AREAS | £616,000 | £30,000 |
| | Carry over from page 1 | £228,000 | £165,000 |
| | Total Budget | £844,000 | £195,000 |

RESERVE LIST

| AREA | Description | Revenue | Capital |
|-------------------------|--|----------------|----------------|
| Banff and Buchan | Green Banks, Banff – Erosion repairs | | £100,000 |
| | Fraserburgh – Kessock Burn trash screen replacement and outfall improvements | £20,000 | |
| | Portsoy - Soy Avenue culvert replacement | | £120,000 |
| Buchan | Inverugie Burn, Inverugie near Peterhead - flood protection options investigation | £4,000 | |
| | Buchanhaven coastal wall railings replacement | £15,000 | |
| Formartine | Potterton – Gourdie Park remedial works to existing culverts and trashscreens (including upstream storage) | £10,000 | |
| | Rothienorman - Flood investigation /works (including Homefarm Park) contribution to Scottish Water | £10,000 | |
| Garioch | Kintore – Loch Burn reduce culverts with Network Rail (contribution) | £10,000 | |
| Marr | Aboyne – Investigate small scale works or temporary barriers at Low Road (forming part of a Surface Water Management Plan) | £10,000 | |
| K&M | Johnshaven – Increase Rock Armour at beach | £25,000 | |
| | Maryculter Bridge – Flood Arch clearance B979 | £35,000 | |
| | Stonehaven – improve inlet steelwork at Arbuthnott drain for maintenance access | £10,000 | |