

Report To: Environment & Regeneration Committee **Date:** 30 August 2018

Report By: Corporate Director Environment, Regeneration & Resources **Report No:** ENV024/18/MM

Contact Officer: Steven Walker **Contact No:** 714828

Subject: Flood Risk Management – Update Report 13

1.0 PURPOSE

- 1.1 The purpose of this report is to update the Committee of the progress on the Council's flood risk management programme.

2.0 SUMMARY

- 2.1 The Council has in place a significant programme for the investigation, design and construction of various flood prevention schemes within Inverclyde, both as part of the Central Greenock Flood Prevention Project and a number of schemes outwith the Central Greenock area.
- 2.2 The progress of the Central Greenock Flood Prevention Scheme is detailed in paragraph 4.4 of this report. Design work at Crescent Street is complete and is due to start on site in September and the design work for Eastern Line of Falls has started.
- 2.3 The progress of the Flood Prevention Schemes outwith Central Greenock is detailed in paragraph 4.5 of this report. Design work is progressing for schemes at Bouverie Burn, Port Glasgow, at Gotter Water, Quarriers and at Glenmosston Burn, Kilmacolm. Scottish Water, as lead, are progressing the two Integrated Catchment Studies for Inverclyde and Erskine. Scottish Water works in the Bullring Roundabout are complete in respect of reducing the incidence of flooding at the Oak Mall, Greenock and the works at Inverkip Street are on-going. Transport Scotland is leading on the investigations into the flooding issues at A8 East Hamilton Street.

3.0 RECOMMENDATIONS

- 3.1 That the Committee note the current progress on the Central Greenock Flood Prevention Schemes.
- 3.2 That the Committee note the current progress on the Flood Prevention Schemes outwith Central Greenock, and note that detailed recommendations as to the proposals required for Coves Road, Gourrock, are the subject of a separate report to this Committee.

Martin McNab
Head of Environmental and Public Protection

4.0 BACKGROUND

- 4.1 The Council has in place a significant programme for the investigation, design and construction of various flood prevention schemes within Inverclyde, both as part of the Central Greenock Flood Prevention Project, and a number of schemes outwith the Central Greenock area.
- 4.2 In 2014 the Scottish Government awarded grant funding to Inverclyde amounting to £1,743,466 for the Central Greenock Flood Prevention Project (comprising a number of discrete schemes) – this represented 79% of the original estimated total cost for the Project at £2,216,000. The balance of the funding (£472,534) was to come from the previously approved Flood Action Plan. The next phase of the Flood Prevention Project Outwith Greenock is funded by the Scottish Government, amounting to £932,000; the balance of the funding (£494,000) comes from the previously approved Flood Action Plan, giving a total funding of £1,426,000.
- 4.3 The Council is a Member Authority of the Clyde & Lomond Local Plan District (CaLL Group). The CaLL Local Plan District is a partnership of ten Local Authorities, with Glasgow City Council as lead. The CaLL Group published its “Local Flood Risk Management Plan” in June 2016; the publication of the Plan is an important milestone in implementing the Flood Risk Management (Scotland) Act 2009 and improving how we cope with and manage flood events in the CaLL District. The Plan translates this legislation into actions to reduce the damage and distress caused by flooding over the first planning cycle from 2016 to 2022. There are a number of schemes arising from the Plan, which are outwith the Central Greenock Flood Prevention Plan.
- 4.4 The Central Greenock Flood Prevention Schemes are summarised in the table below:

Scheme
<i>Central Greenock Flood Prevention Plan</i>
<p>Completed: Crescent Street – Automatic Trash Screen (including maintenance) Crescent Street – Additional Capacity (discontinued scheme) Drumfrochar Road – Replacement Culvert Aberfoyle Road – Flow Control Kings Glen – Attenuation Mearns Street – Flow Control Brougham Street – Additional Capacity West Station – Additional Capacity Lady Alice Pond – Automatic Trash Screen Craignowe Burn – Automatic Trash Screen Bouverie Burn, Port Glasgow – Automatic Trash Screen Devol Burn, Port Glasgow – Automatic Trash Screen Oak Mall, Greenock (Scottish Water)</p>
<p>Construction Stage: Crescent Street start on site in September 2018</p>
<p>At Design Stage: Eastern Line of Falls – Capacity Improvements</p>

- *Crescent Street.* The revised scheme comprises of an overland route through a walled swale and then along the footpath under the railway bridge and then into a walled swale and finally back into the existing culvert at Crescent Street. Capacity improvements on the (Old) Eastern Line of Falls to clean out and reinstate the watercourse are currently being designed.

4.5 The Flood Prevention Schemes outwith Central Greenock are summarised in the table below:

Flood Prevention Plan Outwith Greenock
<p>Completed: Glasgow Road, Port Glasgow – Minor Improvement Natural Flood Management Study, Glen Moss, Kilmacolm</p>
<p>At Design Stage: Bouverie Burn, Port Glasgow Phase 1 Gotter Water, Quarriers Glenmosston Burn, Kilmacolm Surface Water Management Plans, Greenock & Port Glasgow Integrated Catchment Study (Inverclyde) (Scottish Water Lead) Integrated Catchment Study (Erskine) (Scottish Water Lead)</p>
<p>Other Schemes: A8 East Hamilton Street, Greenock (Transport Scotland)</p>

- Bouverie Burn, Port Glasgow Phase 1:* The Council's external consultant has carried out detailed hydrological studies in respect of the original proposal to deal with the fluvial (river) flooding from the Bouverie Burn at Bouverie Street at Bouverie Motors, and have designed a scheme to upsize the existing culvert in Bourverie Street. The design is in the final stages and it is anticipated that this scheme will commence on site 2018/19.
- Gotter Water, Quarriers:* The Council's external consultant has carried out detailed hydrological studies in respect of the original proposals to deal with fluvial (river) flooding from the Gotter Water. The studies have concluded and the outcome is that fluvial flooding is not considered to be the main concern at this location, and that pluvial (overland) flooding is the primary mechanism for flooding. The external consultant is finalising the design of a culvert to cater for these pluvial flows, which collect in the field west of Craighet Avenue and results in flooding to property, with diversion back into the Gotter Water. It is anticipated that site works will commence during 2019/20.
- Glenmosston Burn, Kilmacolm:* The Council's external consultant has completed a detailed hydrological study and due to the site constraints and the location of the congested underground services they are experiencing difficulties finding a solution to the flooding. Officers are working closely with the Consultant to find a solution and once an alternative solution has been determined we will update the Committee. Officers also are currently investigating an option to attenuate the burn upstream to reduce the flow that reaches Gowkhouse Road and Market Place which may remove the need for any construction work to the existing underground pipework.
- Integrated Catchment Study (Inverclyde):* Scottish Water is leading the ongoing catchment based study examining flooding hotspots in Inverclyde, along with those at A8 East Hamilton Street, and Oak Mall; the study will provide detailed information regarding flooding mechanisms from overland flow, sewers and watercourses; the Council is contributing £140k towards the study; the study completion was anticipated early in financial year 2018/19, however the project has fallen behind schedule and the revised completion date is now late 2019.

- *Integrated Catchment Study (Erskine)*: The eastern areas of Inverclyde are in the River Gryfe and Gotter Water catchments which themselves affect the Erskine Integrated Catchment Study. However, it is likely that the outcomes of this study will have a limited impact on Inverclyde, with the bulk of the output affecting neighbouring Renfrewshire Council. The study is in the very early stages of gathering information with an expected completion 2020.
- *A8 East Hamilton Street, Greenock*: Officers from Inverclyde Council, Scottish Water and Transport Scotland are continuing to hold meetings to discuss the way forward to bring an early resolution to the problems at this location. As this is a Trunk Road, Transport Scotland will lead on this issue and is assessing the operation of the existing surface water drainage system to the A8 Trunk Road. Officers from Inverclyde Council have provided Transport Scotland with locations of known flooding points through the A8 and A78 roads network.
- *Oak Mall, Greenock*: Phase 1 of the Scottish Water works at the Bullring Roundabout is complete. Phase 2 works on the A78 Inverkip Street are on-going with a completion date late 2018.

5.0 IMPLICATIONS

5.1 Finance:

One-off costs:

Cost Centre	Budget Heading	Budget Years	Proposed spend this report (£000s)	Virement from	Other comments
Flooding Strategy	Central Greenock Flood Prevention Scheme	2013/18	2,216		Partially funded by Scottish Government (£1.743m)
	Outwith Central Greenock Flood Prevention Schemes	2013/19	1,426		Partially funded by Scottish Government (£0.932m)

Annually recurring costs:

Cost Centre	Budget Heading	Budget Years	Proposed spend this report (£000s)	Virement from	Other comments
N/A					

Legal

5.2 There are no legal implications arising from this report.

Human Resources

5.3 There are no specific HR implications arising from this report.

Equalities

5.4 As this report does not involve a new policy or a new strategy, there are no equalities issues arising.

Repopulation

5.5 The delivery of the projects identified in this report will assist in making Inverclyde a more attractive place to live and hence contribute to the Council's repopulation agenda.

6.0 CONSULTATIONS

6.1 The Chief Financial Officer, Head of Legal & Property Services, and the Corporate Procurement Manager have been consulted on the contents of this report.

7.0 LIST OF BACKGROUND PAPERS

7.1 None.