Elected Members Training

Wednesday 9th November 2016

Flood Risk Management

PAISLEY 2021
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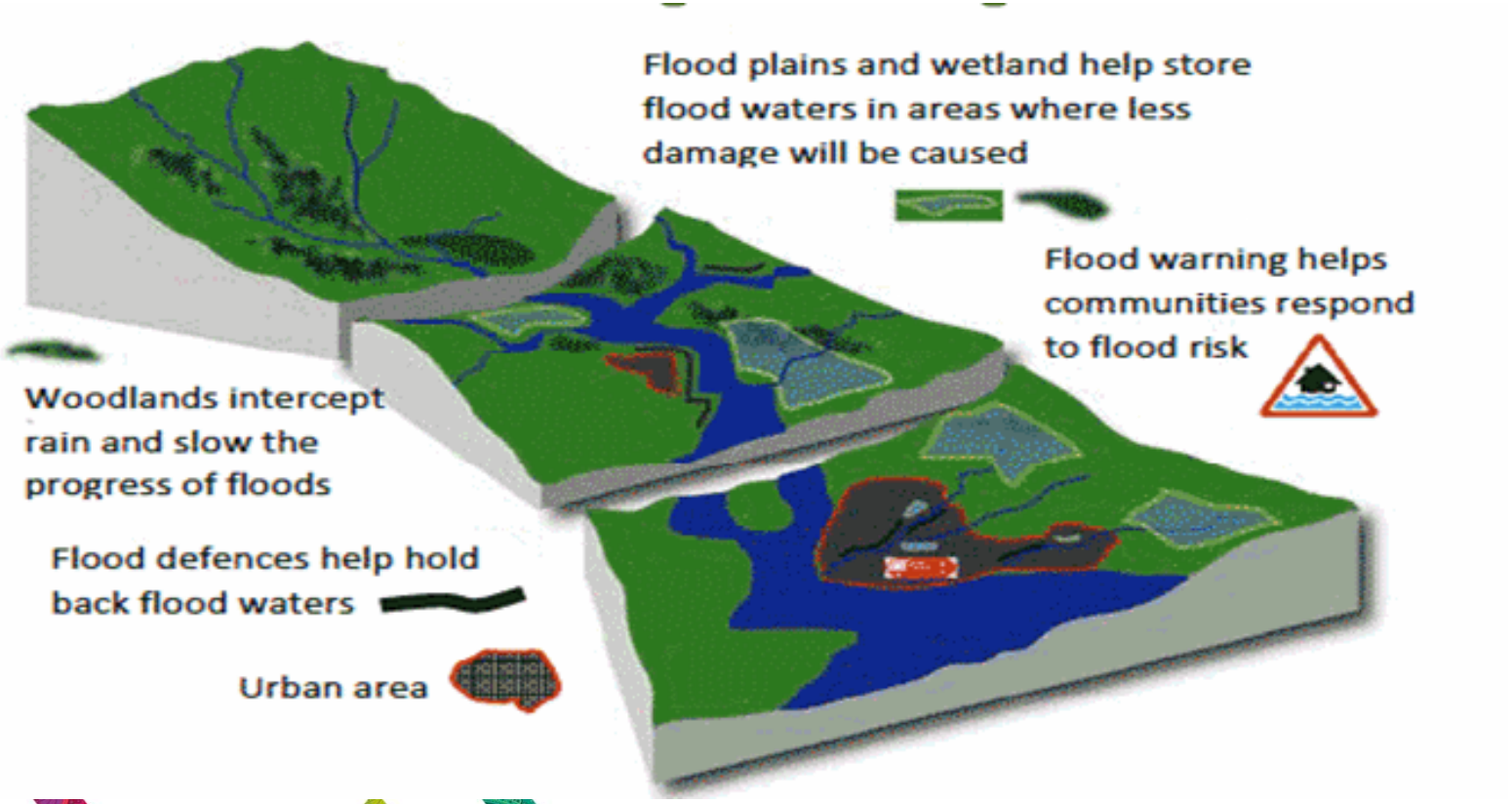
Flood Risk Management



Flood Risk Management Strategic Approach

Flood Risk Management Act 2009

- Sets Strategic Context,
- Requires Scottish Water, SEPA and Local Authorities to work together,
- Prescribed Flood Risk Management areas (based on water catchments, 14 across Scotland)

Flood Risk Management

- SEPA required to produce Flood Risk Management Strategies (completed during 2015)
- Flood Risk Area Partnerships to produce Flood Risk Management Plans (completed June 2016)
- LAs to create and monitor a schedule of water courses.
- Record all Flood Events in a database
- Record all existing flood defences

Overview of Clyde & Lomond Flood Risk Management Area

- Involves 8 Councils SEPA and Scottish Water across the Clyde Catchment Area
- Governed by a joint committee established in 2014
- Population 1.9 million people, 4800km²
- Clyde and Loch Lomond Flood Risk Management Plan – published June 2016 (reported to Environment Board on 24th Aug 2016)

Flood Risk Management Plan
Key Actions for Renfrewshire

- Prioritised list of ‘Areas for Study’,
- Based on strategic assessment of Flood Risk (number of properties affected etc) as provided by SEPA.
- Consistent strategic approach across Scotland (common methodology),
- For Renfrewshire – 6 year programme of studies to identify potential Flood Risk solutions.

Key Actions for Renfrewshire

Future approach across Renfrewshire reflects

- Significant Investment in Flood Defences in recent years including:-
  - Renfrew Flood Scheme
  - Flood alleviation Schemes in Paisley, Johnstone, Kilbarchan, Crosslee and Lochwinnoch.

Studies Specific to Renfrewshire include:-

Action	Location	Start	Finish
Integrated Catchment Study (collaboration with SW)	Erskine, Inchinnan, Linwood, Johnstone, Kilbarchan	2016	2020
Surface Water Management Plan	Johnstone and Kilbarchan	2020	2021
Surface Water Management Plan (GCC lead)	Hillington Cardonald	2016	2018
Natural Flood management Study (GCVGN lead)	White Cart	2018	2019
Flood Protection Study	Candren Burn	2021	2022
Flood Protection Study	Johnstone	2020	2021
Natural Flood Management Study	Kilbarchan	2020	2021
Flood Protection Study	Kilbarchan	2020	2021
Natural Flood Management Study	Lochwinnoch	2021	2022
Flood Protection Study	Lochwinnoch	2021	2022
Surface Water Management Plan	Paisley	2021	2022

Funding

- £125,000 approved at Environment Board in March 2016 to progress Integrated Catchment Study across Erskine, Inchinnan, Linwood, Johnstone & Kilbarchan (total cost of study in partnership with Scottish Water - £600,000),
- £60,000 allocation of funding for Hillington/Cardonald Surface Water Management

What is involved in the studies

- Assessment of worst case weather events (1 in 200 year events),
- Assumes climate change,
- ICS involves building larger water catchment models with all water courses and drainage systems included,
- Powerful predictive computer based models – used to test solutions
- Note:- Solutions will become future capital schemes.

Potential Nature of Solutions

Increased retention of water run off through:-

- Up stream land management (trees, bunds etc)
- Construction of improved sewer capacity
- Sustainable drainage schemes (through new development),
- Property level protection.

Next Steps

- Council will continue to support and engage in studies
- Outcomes will be reported back to the Joint Committee and the Council
- Flood management projects emerging from studies will become bids for future Scottish Government grant for Flood Schemes