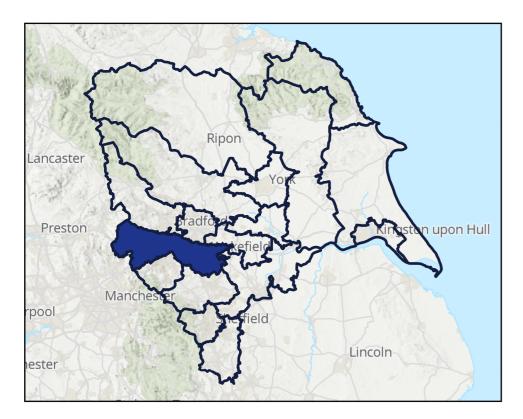
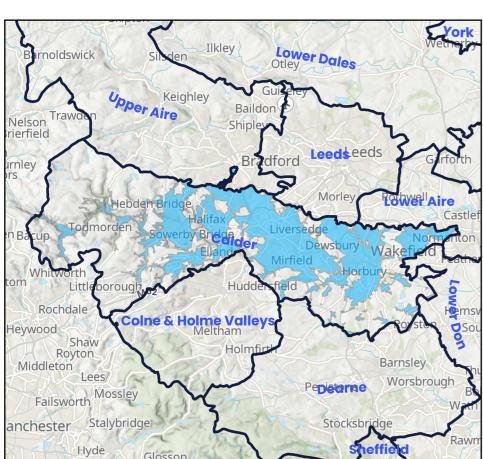
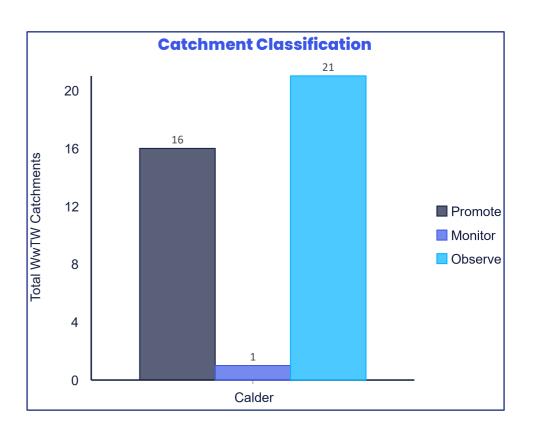
Calder Strategic Planning Area







Key Strategic Planning Area Statistics				
Number of WwTW Catchments	38			
Population Equivalent in 2020	919,233			
Population Equivalent in 2050	1,054,647			
Population Equivalent Growth	15%			
Modelled Consented Storm Overflows	282			
Wastewater Pumping Stations	203			
Foul and Combined Sewer Length	3,563km			
Surface Water Sewer Length	1,202km			
Catchments Passed Through To BRAVA	17			



National Baseline Risk and Vulnerability Assessment								
Internal Sewer Flooding 2020 Score	Pollution Risk 2020 Score	Sewer Collapse Risk 2020 Score	Risk of Sewer Flooding (1 in 50) 2020 Score	Risk of Sewer Flooding (1 in 50) 2050 Score	Storm Overflow Performance 2020 Score	Storm Overflow Performance 2050 Score	Risk of WwTW Compliance Failure 2020	Risk of WwTW Compliance Failure 2050
2	1	0	1	2	2	2	1	1



BRAVA	Outcome	Summary

BRAVA Outcome Summary				
Promote	Develop strategic catchment based solution options to address predicted risks and look for potential opportunities for partnership working			
Investigate	Work to understand in more detail the size and scale of the predicted catchment risk			
Monitor	Continue to monitor all potential risks in the catchment and promote once a suitable threshold is breached			
Observe	Did not trigger the required number of indicators in the RBCS process so therefore was not assessed against any criteria but will be reviewed in future DWMP cycles			

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25-Year Strategic Plan – How much do we need to invest?

Scenario

Annual average of no more than 10 spills per storm overflow and reduced levels of property flood risk from hydraulic sewer flooding and ensure our WwTWs have sufficient capacity to allow us to remain compliant with our current environmental permits.

Scenario

Annual average of no more than 10 spills per storm overflow and maintain regional level of property flood risk from hydraulic sewer flooding and ensure our WwTWs have sufficient capacity to allow us to remain compliant with our current environmental permits.

Scenario 2

Annual average of no more than 10 spills per storm overflow, plus no environmental harm from storm overflows and reduced levels of property flood risk from hydraulic sewer flooding and ensure our WwTWs have sufficient capacity to allow us to remain compliant with our current environmental permits.

Scenario 4

Annual average of no more than 10 spills per storm overflow, plus no environmental harm from storm overflows and maintain regional level of property flood risk from hydraulic sewer flooding and ensure our WwTWs have sufficient capacity to allow us to remain compliant with our current environmental permits.

£7.7 billion £8.3 billion £6.3 billion

£7.0 billion

evel 2 Calder 25-Year Lowest Cost Plan Range			Level 2 Calder 25	Level 2 Calder 25-Year Best Value Plan Cost Range			
Scenario 1	£2.1 billion	£6.6 billion	Scenario 1	£2.6 billion	£7.7 bi		
Scenario 2	£2.4 billion	£7.2 billion	Scenario 2	£2.8 billion	£8.3 b		
Scenario 3	£1.0 billion	£3.1 billion	Scenario 3	£2.1 billion	£6.3 b		
Scenario 4	£1.3 billion	£3.8 billion	Scenario 4	£2.3 billion	£7.0 bi		

The risk position and subsequent outcome is a result based on the DWMP framework. The baseline and future performance of our catchments will be incorporated into our standard business planning processes and may result in some catchments changing classification and will be prioritised accordingly.