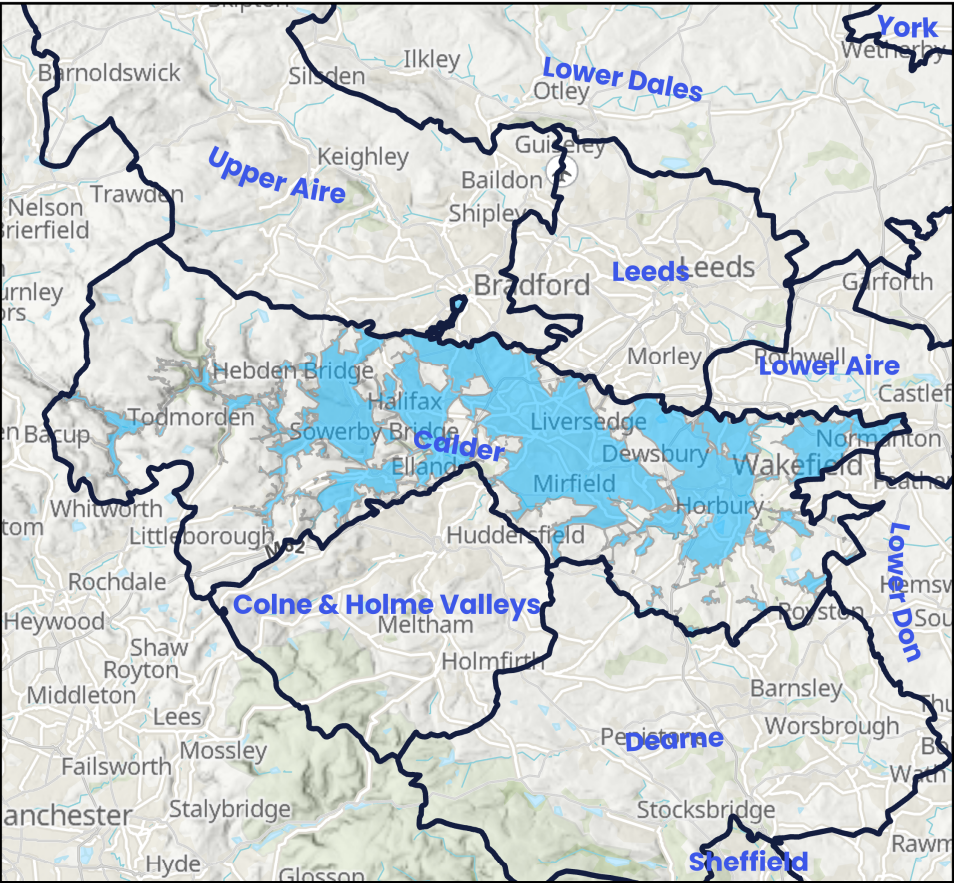
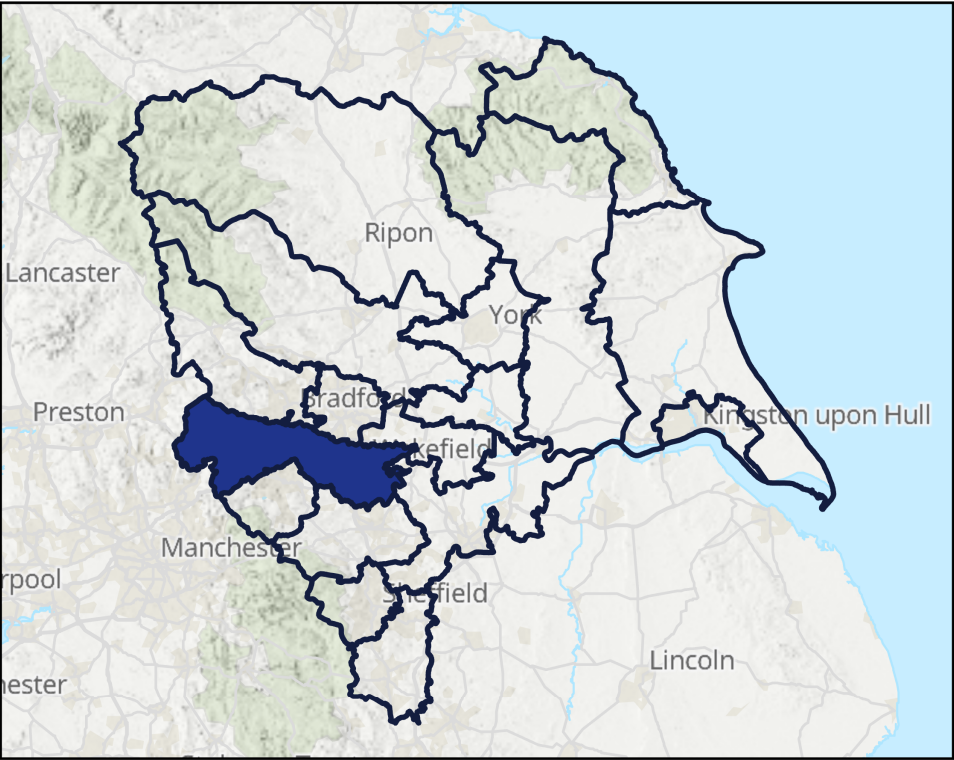
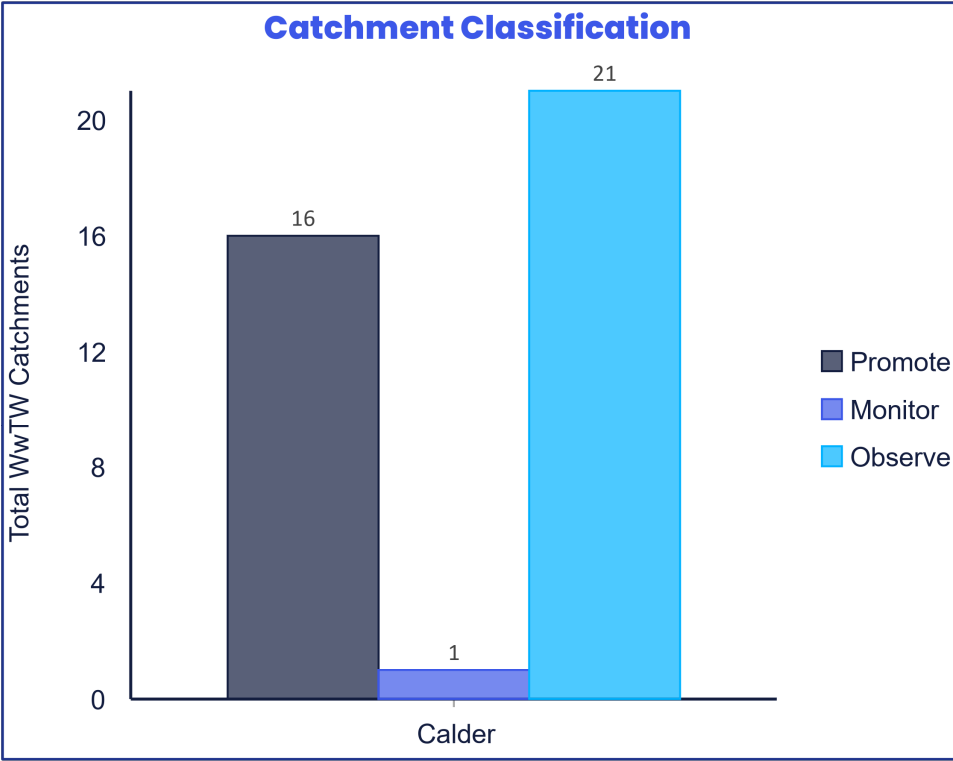


Calder

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 | |
|-----------------------|---|
| 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 |

Scenario 1

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 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 3

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 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.

| Level 2 Calder 25-Year Lowest Cost Plan Range | | |
|---|--------------|--------------|
| Scenario 1 | £2.1 billion | £6.6 billion |
| Scenario 2 | £2.4 billion | £7.2 billion |
| Scenario 3 | £1.0 billion | £3.1 billion |
| Scenario 4 | £1.3 billion | £3.8 billion |

| Level 2 Calder 25-Year Best Value Plan Cost Range | | |
|---|--------------|--------------|
| Scenario 1 | £2.6 billion | £7.7 billion |
| Scenario 2 | £2.8 billion | £8.3 billion |
| Scenario 3 | £2.1 billion | £6.3 billion |
| Scenario 4 | £2.3 billion | £7.0 billion |