

EDM Annual Returns - Long-term Trends

Note that data columns will be added each year

EDM Annual Return: long-term trends	2016	2017	2018	2019	2020	2021*	2022	2023
Total number of storm overflows listed	-	-	-	-	-	14,470	14,580	14,530
Total no. storm overflows with EDM commissioned ¹	-	-	-	-	-	12,707	13,323	14,241
Total no. storm overflows with spill data ²	862	2,515	6,182	8,276	12,092	12,393	13,080	14,031
Total number of monitored spill events ³	12,637	33,159	146,930	292,864	403,375	372,533	301,091	464,056
Total duration (hrs) of monitored spill events	100,533	170,269	898,784	2,489,167	3,101,150	2,667,452	1,754,921	3,606,170
Average number of spill events per storm overflow with spill data	14.7	13.2	23.8	35.4	32.6	29.4	23.0	33.1
Average duration (hrs) of each spill event per storm overflow	8.0	5.1	6.1	8.5	8.1	7.4	5.8	7.8

¹ For 2023 the Total no. of storm overflows with EDM commissioned is calculated using the no. of active storm overflows.

In previous years, all storm overflows were considered, including sites no longer active or with permits revoked.

² Some storm overflows may have EDM commissioned but no reliable spill data is provided. This is either due to 0% EDM Operation during the reporting year, or where the EDM was working but a WaSC has not reported the spill data in the annual return

³ A monitored spill event is a discharge to the environment, as measured by the EDM. The number of spills is defined using the 12/24h count method. This is described in our EDM dataset README guide which contains a link to our guidance on gov.uk

* From 2021 all storm overflows operated by the WaSC were requested, regardless of whether EDM was currently installed.

Extra information was also collected from 2021 onwards; including status of EDM installation, reasons for any low % EDM operation or any high spill counts