

Section B Outputs to Customers
Table 3a Sewage - External Flooding

B3a.1	Areas flooded externally in the year (overloaded sewers)	nr	Odp
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Data Definition: Total number of areas affected by external flooding incidents in the year due to overloaded sewers.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.2	Curtilage flooding incidents in the year (overloaded sewers)	nr	Odp
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Data Definition: The number of incidents of curtilages affected by external flooding in the year due to overloaded sewers.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.3	Highway flooding incidents (overloaded sewers)	nr	Odp
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Data Definition: Total number of incidents of highways flooded in the year due to overloaded sewers. This includes footpaths.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.4	Other flooding incidents (overloaded sewers)	nr	0dp
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Data Definition: Total number of incidents of other areas affected by external flooding in the year due to overloaded sewers. Examples of other areas includes external flooding to non-residential buildings eg schools, offices, commercial premises and public buildings; public open space; agricultural land; car parks.

Processing Input field
Rules:

Previous References: Ofwat 07 WICS 06

B3a.5	Total flooding incidents (overloaded sewers)	nr	0dp
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Data Definition: Total number of incidents of areas affected by external flooding in the year due to overloaded sewers.

Processing Sum of B3a.2 to B3a.4
Rules:

Previous References: Ofwat 07 WICS 06

B3a.6	External flooding incidents (overloaded sewers attributed to severe weather)	nr	0dp
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Data Definition: The number of incidents of external flooding caused by overloaded sewers at areas which are known to be not at risk of flooding more frequently than once in twenty years. Accordingly, this line's enumeration includes flooding incidents caused by severe storms which affect areas that are not at risk of flooding more frequently than once in twenty years. SW should use the commentary to report the number of flooding incidents caused by severe weather at areas that are already known to be at risk of flooding from sewers more frequently than once in twenty years. Incidents of flooding via the sewers caused by overflowing watercourses should be excluded. SW should include the rainfall return periods for the incidents reported in the commentary.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.7	Areas flooded externally in the year (other causes)	nr	0dp
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Data Definition: The number of external areas affected by flooding incidents from equipment failures, blockages or collapses (collectively grouped as other causes). An area affected by more than one incident under this definition is reported as one area in this line.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.8	Flooding incidents (other causes - equipment failure)	nr	0dp
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Data Definition: The number of incidents of external flooding caused by the failure or incorrect operation of company apparatus (e.g. pumping stations, penstocks, combined sewer overflows, or real time control systems).

Processing Input field

Rules:

Previous References: Ofwat 07 WICS 06

B3a.9	Flooding incidents (other causes - blockages)	nr	0dp
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Data Definition: The number of incidents of external flooding caused by a complete or partial blockage of the sewer (including siltation) where the sewer itself is still intact. If the blockage is the result of a fracture or deformation of the pipe, it should be included in the 'other causes – collapses' category.

Processing Input field

Rules:

Previous References: Ofwat 07 WICS 06

B3a.10	Flooding incidents (other causes - collapses)	nr	0dp
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Data Definition: The number of incidents of external flooding caused by the collapse of a sewer. This line's enumerator should also include incidents due to fracture or deformation.

Processing Input field

Rules:

Previous References: Ofwat 07 WICS 06

B3a.11	2 in 10 risk at end of year	nr	Odp
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Data Definition: The number of external areas at risk of flooding twice or more in ten years at the end of the year.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.12	1 in 10 risk at end of year	nr	Odp
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Data Definition: The number of external areas at risk of flooding more than once in ten years (but less than 2 in 10) at the end of the year.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.13	1 in 20 risk at end of year	nr	Odp
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Data Definition: The number of external areas at risk of flooding more than once in twenty years (but less than 1 in 10) at the end of the year.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.14	Total at risk on the 1:10, 2:10, 1:20 register at end of year	nr	0dp
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Data Definition: Total number of external areas at risk of flooding more than once in twenty years – at end of year.

Processing Rules: Sum of B3a.11 to B3a.13

Previous References: Ofwat 07 WICS 06

B3a.15	Problems solved by temporary measures or subject to testing	nr	0dp
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Data Definition: The number of external areas registered as being at risk (including 1:10, 2:10, 1:20) which have received either a temporary protection or are awaiting confirmation of the success of a permanent solution.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.16	Problems awaiting solution	nr	0dp
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Data Definition: The number of external areas registered as being at risk (1:10, 2:10, 1:20) which have received neither a temporary protection or a permanent solution.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.17	Removed by SW action	nr	Odp
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Data Definition: The number of external areas removed from the 1:10, 2:10, 1:20 'at risk' registers by SW action. These are external areas removed from being at risk of flooding due to company action such as sewer enhancement which is linked to capital investment in the sewerage system. SW should use the commentary to explain the reasons why and the number of individual external areas added to and subsequently removed from the at-risk register during the report year (please see commentaries section within the guidance).

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.18	Removed because of better information	nr	Odp
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Data Definition: The number of external areas removed from the 1:10, 2:10, 1:20 'at risk' register because of better information. This category is defined as changes resulting from better quality information such as improved knowledge of the sewerage system (e.g. extended modelling, better estimates of figures). This number will include external areas previously thought to have been at risk but where investigation has subsequently shown the problem to have been, caused by reasons other than overloading (e.g. a blockage or collapse). The line should also include external areas, which were incorrectly identified as being at risk in previous years. Properties which are removed from the external and added to the internal register due to subsequently experiencing internal flooding should not be included in these lines but in line 3a.21 'remove from external to internal register'. SW should use the commentary to explain the reasons why and the number of individual external areas added to and subsequently removed from the at-risk register during the report year.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.19	Added because of better information	nr	0dp
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Data Definition: The number of external areas added to the 1:10, 2:10, 1:20 'at risk' register as a result of better quality information such as improved knowledge of the sewerage system (extended modelling, better estimates of figures, etc). External areas identified in this category will have been below the reference level in the previous year but not identified.

Processing Input field

Rules:

Previous References: Ofwat 07 WICS 06

B3a.20	Added because of increased demand	nr	0dp
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Data Definition: The number of external areas added to the 1:10, 2:10, 1:20 'at risk' register as a result of increased demand for wastewater disposal. For additions to this line it must be possible to demonstrate that in the past the relevant assets were adequate and the affected properties were not at risk of flooding more frequently than the reference level. Thus the additions will have arisen as a result of new connections to the network or where the operation of the system has changed since the last technical assessment (i.e. the load on the system has been increased by new development or a change in the aggregation of flows has resulted in inadequate capacity).

Processing Input field

Rules:

Previous References: Ofwat 07 WICS 06

B3a.21	Moved from external to internal register	nr	0dp
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Data Definition: The number of properties on the 1:10, 2:10, 1:20 at risk registers which have subsequently flooded internally. These properties are removed from the external register and entered onto the relevant 1:10, 2:10, 1:20 internal register. If the property is entered onto the 1:10 or 2:10 internal register then it should be entered into the appropriate line in table 3. It should also be included in line 3.22 'added because of better information'. If the property is entered onto the 1:20 internal register then it should only appear in line 3.16 '1:20 risk at end of year' and not recorded in table 3.22.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.22	Average cost of permanent solutions to problems (capex)	£'000	0dp
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Data Definition: The total capex costs attributed to permanently removing external flooding problems from the 1:10, 2:10, 1:20 at risk register, as reflected in line 3a.17 'removed by SW action'. Average cost should be calculated by dividing the capex of schemes completed during the report year by the number of 1 in 10, 2 in 10 and 1 in 20 external outputs resolved by these schemes. For schemes that also solve internal problems the cost for these schemes should be proportionally allocated based on outputs. Investment made to reduce the level of risk but not to remove a property from the register should be included in line 3a.24.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.23	Average cost of permanent solutions to problems (opex)	£'000	Odp
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Data Definition: The total opex costs attributed to permanently removing external flooding problems from the 1:10, 2:10, 1:20 at risk register, as reflected in line 3a.17 'removed by SW action'. Average cost should be calculated by dividing the opex of schemes completed during the report year by the number of 1 in 10, 2 in 10 and 1 in 20 external outputs resolved by these schemes. For schemes that also solve internal problems the cost for these schemes should be proportionally allocated based on outputs. Opex costs incurred to reduce the level of risk but not to remove a property from the register should be included in line 3a.25.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.24	Average cost of temporary problem solving measures (capex)	£'000	Odp
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Data Definition: The total capex costs attributed to temporary solutions to external flooding problems (i.e. those costs that do not remove an external area from the 1:10, 2:10, 1:20 at risk register). Average cost should be calculated by dividing the capex of schemes completed during the report year by the number of 1 in 10, 2 in 10 and 1 in 20 external outputs resolved by these schemes. For schemes that also solve internal problems the cost for these schemes should be proportionally allocated based on outputs.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06

B3a.25	Average cost of temporary problem solving measures (opex)	£'000	0dp
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Data Definition: The total opex costs attributed to temporary solutions to problems (i.e. those costs that do not remove a property from the 1:10, 2:10, 1:20 at risk register) Average cost should be calculated by dividing the capex of schemes completed during the report year by the number of 1 in 10, 2 in 10 and 1 in 20 external outputs resolved by these schemes. For schemes that also solve internal problems the cost for these schemes should be proportionally allocated based on outputs.

Processing Rules: Input field

Previous References: Ofwat 07 WICS 06