

**Section B            Outputs to Customers**  
**Table 3              Sewage - Internal Flooding**

<b>B3.1</b>	<b>Number of domestic properties connected to sewerage system</b>	<b>000</b>	<b>3dp</b>
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**Data Definition:** Total properties connected to the sewerage system.

**Processing**            Input field

**Rules:**

**Previous References:**

<b>Ofwat</b> 07	T3, L1	<b>WICS</b> 06	B3.21
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<b>B3.2</b>	<b>Number of properties flooded in the year</b>	<b>nr</b>	<b>0dp</b>
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**Data Definition:** This should include all such events, whether or not attributable to severe/extreme weather. This should include properties where an uninhabited cellar is the only part affected by the flooding. The commentary should identify in tabular form the number of cases where the cause was severe weather, blockage, collapse or other.

**Processing**            Input field

**Rules:**

**Previous References:**

<b>Ofwat</b> 07	T3, L2	<b>WICS</b> 06	B3.1
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<b>B3.3</b>	<b>Number of flooding incidents in the year</b>	nr	0dp
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**Data Definition:** Number of flooding incidents causing internal flooding to properties due to overloading sewers. An incident should be counted from each 'source' of flooding e.g. one manhole floods 3 properties = 1 incident, and not each reason for flooding where one event such as heavy rain causes a large number of flooding incidents. This should include all such events, whether or not attributable to severe/extreme weather. This should include properties where an uninhabited cellar is the only part affected by the flooding.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 T3, L3 WICS 06 B3.2

<b>B3.4</b>	<b>Number of flooding incidents attributed to severe weather</b>	nr	0dp
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**Data Definition:** The number of incidents of internal flooding caused by overloaded sewers in properties which are known to be not at risk of flooding more frequently than once in ten years. Accordingly, this line's enumeration includes flooding incidents caused by severe storms which affect properties that are not at risk of flooding more frequently than once in ten years. should use the commentary to report the number of flooding incidents caused by severe weather at properties that are already known to be at risk of flooding from sewers more frequently than once in ten years. SW should include the rainfall return periods for the incidents reported in the commentary. Incidents of flooding via the sewers caused by overflowing watercourses should be excluded.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 T3, L4 WICS 06 B3.3

<b>B3.5</b>	<b>Properties where flooding limited to uninhabited cellars only (o/loaded sewers)</b>	nr	0dp
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**Data Definition:** The number of properties where only uninhabited cellars were affected by internal flooding incidents due to overloaded sewers. In these instances the flooding must have entered the uninhabited cellar directly (i.e. not from another part of the property). A property affected by more than one incident under this definition is reported as one property in this line.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.6</b>	<b>Number of properties flooded in the year</b>	nr	0dp
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**Data Definition:** Number of properties affected by internal flooding incidents due to other causes (this includes where due to blockages, sewer collapses, equipment failure and other causes than overloaded sewers). This should include properties where an uninhabited cellar is the only part affected by the flooding. A property affected by more than one incident under this definition is reported as one property in this line.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.7</b>	<b>Properties which have flooded more than once in the last ten years (other causes)</b>	nr	0dp
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**Data Definition:** The number of properties which have experienced multiple incidents of internal flooding in the last 10 years caused by blockages, collapses and equipment failure.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.8</b>	<b>Flooding incidents due to equipment failure</b>	nr	0dp
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**Data Definition:** These are defined as incidents of flooding to property resulting from the failure or maloperation of SW's apparatus (such as pumping stations, flap valves, penstocks, combined sewer overflows, real time control systems). An incident should be counted from each 'source' of flooding e.g. one manhole floods 3 properties = 1 incident, and not each reason for flooding where one event such as pumping station failure causes a large number of flooding incidents.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 T3 L8 WICS 06 B3.8

<b>B3.9</b>	<b>Flooding incidents due to blockages</b>	nr	0dp
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**Data Definition:** These are defined as incidents of flooding to property resulting from 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 in the next category. An incident should be counted from each 'source' of flooding e.g. one manhole floods 3 properties = 1 incident, and not each reason for flooding where one event causes a large number of flooding incidents.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 T3 L9 WICS 06 B3.9

<b>B3.10</b>	<b>Flooding incidents due to sewer collapses</b>	nr	0dp
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**Data Definition:** For the purpose of this indicator these are defined as incidents of flooding to property resulting from a sewer collapse of the sewer and also include incidents due to fracture or deformation. An incident should be counted from each 'source' of flooding e.g. one manhole floods 3 properties = 1 incident, and not each reason for flooding where one event causes a large number of flooding incidents.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 

T3 L10
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 WICS 06 

B3.10
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<b>B3.11</b>	<b>Properties where flooding limited to uninhabited cellars only (other causes)</b>	nr	0dp
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**Data Definition:** The number of properties where only uninhabited cellars were affected by flooding incidents due to equipment failures, blockages or collapses (collectively grouped as other causes). In these instances the flooding must have entered the uninhabited cellar directly (i.e. not from another part of the building). A property affected by more than one incident under this definition is reported as one property in this line.

**Processing Rules:** Input field

**Previous References:** Ofwat 07 

T3, L11
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 WICS 06 

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<b>B3.12</b>	<b>Number of flooding incidents in the year</b>	nr	0dp
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**Data Definition:** Total number of flooding incidents in the year causing internal flooding to properties due to other causes (this includes where due to blockages, sewer collapses, equipment failure and other causes than overloaded sewers). An incident should be counted from each 'source' of flooding e.g. one manhole floods 3 properties = 1 incident, and not each reason for flooding where one event such as pumping station failure causes a large number of flooding incidents. This should include properties where a uninhabited cellar is the only part affected by the flooding.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.13</b>	<b>2 in 10 at end of year</b>	nr	0dp
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**Data Definition:** The number of properties 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

<b>B3.14</b>	<b>1 in 10 at end of year</b>	nr	0dp
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**Data Definition:** The number of properties 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

<b>B3.15</b>	<b>Total 1 in 10 and 2 in 10 properties at risk at end of year</b>	nr	0dp
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**Data Definition:** Total number of properties at risk of flooding once or more in ten years.

**Processing Rules:** Sum of B3.13 and B3.14

**Previous References:** Ofwat 07  WICS 06

<b>B3.16</b>	<b>1 in 20 risk at end of year</b>	nr	0dp
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**Data Definition:** The number of properties 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

<b>B3.17</b>	<b>Total props. at risk but not flooded in last 10 yrs. (exc. exceptional weather)</b>	nr	0dp
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**Data Definition:** Total number of properties which have either flooded in the past or are likely to flood in the future but which have not flooded in the last 10 years. Any properties affected by flooding as a result of severe weather should be excluded.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.18</b>	<b>Solved but temporary or being tested</b>	nr	0dp
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**Data Definition:** The number of properties with flooding problems which have temporarily been solved or are currently being tested.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.19</b>	<b>To be solved</b>	nr	0dp
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**Data Definition:** The number of properties with flooding problems which have been solved.

**Processing Rules:** B3.15 minus B3.18

**Previous References:** Ofwat 07  WICS 06

<b>B3.20</b>	<b>Removed by SW action</b>	nr	0dp
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**Data Definition:** These are properties no longer at risk of flooding due to SW action such as sewer enhancement which is linked to capital investment in the sewerage system.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06



<b>B3.21</b>	<b>Removed because of better information</b>	nr	0dp
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**Data Definition:** Properties thought to be at risk but where investigation has subsequently shown the problem to have a cause other than overloading (e.g. blockage or collapse) i.e. properties which were incorrectly identified as being at risk in previous years.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.22</b>	<b>Added because of better information</b>	nr	0dp
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**Data Definition:** This category is defined as changes as a result of better quality information such as improved knowledge of the sewerage system (extended modelling, better estimates of figures, etc).

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.23</b>	<b>Added because of increased demand</b>	nr	0dp
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**Data Definition:** This category is defined as changes as a result of better quality information such as improved knowledge of the sewerage system because of increase in demand.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.24</b>	<b>Average cost of permanent problem solved (capex)</b>	£000/prop	3dp
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**Data Definition:** Average cost of permanent problems solved (capex) per property.

**Processing** Input field  
**Rules:**

**Previous References:** Ofwat 07  WICS 06

<b>B3.25</b>	<b>Average cost of permanent problem solved (opex)</b>	£000/prop	3dp
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**Data Definition:** Average cost of permanent problems solved (opex) per property.

**Processing** Input field  
**Rules:**

**Previous References:** Ofwat 07  WICS 06

<b>B3.26</b>	<b>Average cost of temporary problem solving measures (capex)</b>	£000/prop	3dp
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**Data Definition:** Average cost of temporary problem solving measures (capex) per property.

**Processing** Input field  
**Rules:**

**Previous References:** Ofwat 07  WICS 06

<b>B3.27</b>	<b>Average cost of temporary problem solving measures (opex)</b>	£000/prop	3dp
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**Data Definition:** Average cost of temporary problem solving measures (opex) per property.

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06

<b>B3.28</b>	<b>Properties at risk to be removed in the report year as per SW's Delivery Plan (May 2006)</b>	nr	0dp
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**Data Definition:** Number of properties forecast to be removed from the at risk register (as per SW Delivery Plan May 2006, Table 3.1).

**Processing Rules:** Input field

**Previous References:** Ofwat 07  WICS 06