

Table 1 Summary

For all asset categories, there are six asset size bands available and these are defined in Tables H7 through H9.

Full line title: Water treatment works – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of water treatment works split by asset life

category.

Processing rules: This line is calculated in column 1(for the sum of lines

H2.1 to H2.8 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.1

H1.2 Water storage [102] £m (3dp)

Full line title: Water storage – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of water storage assets, split by asset life

category.

Processing rules: This line is calculated in column 1 (for the sum of lines

H2.9 to H2.10 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated, but should be assessed on an overall basis.

Previous reference: WICS 06: H1.2

H1.3 Water pumping stations [103] £m (3dp)

Full line title: Water pumping stations – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of water pumping stations split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H2.11 to H2.13 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated, but should be assessed on an overall basis.



Previous reference: WICS 06: H1.3

H1.4 Water resources [104] £m (3dp)

Full line title: Water resources – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of water resources assets split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H3.1 to H3.3 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.4

H1.5 Water mains [105] £m (3dp)

Full line title: Water mains – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of water mains split by asset life category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H3.4 to H3.8 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.5

H1.6 | Sewers [106] £m (3dp)

Full line title: Sewers – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of sewers split by asset life category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H4.1 to H4.3 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.6



H1.7 Sewer Structures [107] £m (3dp)

Full line title: Sewer structures – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of sewer structures split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H4.4 to H4.5 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.7

H1.8 | Sea outfalls [108] £m (3dp)

Full line title: Sea outfalls – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of Sea outfalls split by asset life category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H4.6 to H4.7 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.8

Full line title: Sewage pumping stations – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of sewage pumping stations split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H5.1 to H5.2 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.9



H1.10 Sewage treatment works [110] £m (3dp)

Full line title: Sewage treatment works – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of sewage treatment works split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H5.3 to H5.7 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.10

H1.11 | Sludge treatment facilities by disposal type [111] | £m (3dp)

Full line title: Sludge treatment facilities by disposal type – Summary

asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of Sludge treatment facilities split by asset

life category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H5.8 to H5.13 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated, but should be assessed on an overall basis.

Previous reference: WICS 06: H1.11

Full line title: Support services – Summary asset information

Definition: The Gross Modern Equivalent Asset Value (MEAV) and

Net MEAV of support services split by asset life

category.

Processing rules: This line is calculated in columns 1 (for the sum of lines

H6.1 to H6.6 for column block 1); columns 2 & 3 consist of input cells. The confidence grades are not calculated,

but should be assessed on an overall basis.

Previous reference: WICS 06: H1.12



Table 2 Water Non-Infrastructure

All reference numbers are to the line description only. Column descriptions are defined separately in the guidance.

H2.1 SW0 treatment works nr (3sf)

Full line title: Water treatment works – Type SW0

Definition: Simple disinfection (e.g. marginal chlorination) with no

physical treatment. The number of works shall be allocated to size bands according to their peak hydraulic

capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.1

H2.2 SW1 treatment works nr (3sf)

Full line title: Water treatment works – Type SW1

Definition: Simple disinfection (e.g. marginal chlorination) plus

simple physical treatment only (e.g. filtration and disinfection). The number of works shall be allocated to size bands according to their peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.2

H2.3 SW2 treatment works nr (3sf)

Full line title: Water treatment works – type SW2

Definition: Single stage complex physical or chemical treatment

(e.g. super chlorination, flocculation or biofiltration) but excluding nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC, orthophosphate dosing or ion exchange). Works shall be allocated to size bands

according to their peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.3



H2.4 SW3 treatment works nr (3sf)

Full line title: Water treatment works – type SW3

Definition: More than one stage of complex treatment including

nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC, orthophosphate dosing or ion exchange). Works shall be allocated to size bands according to their

peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.4

H2.5 GW0 treatment works nr (3sf)

Full line title: Water treatment works – type GW0

Definition: Simple disinfection only. Works shall be allocated to size

bands according to their peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.5

H2.6 GW1 treatment works nr (3sf)

Full line title: Water treatment works – type GW1

Definition: Simple disinfection (e.g. marginal chlorination) plus

simple physical treatment only (e.g. filtration and disinfection). Works shall be allocated to size bands

according to their peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.6

H2.7 GW2 treatment works nr (3sf)

Full line title: Water treatment works – type GW2

Definition: Single stage complex physical or chemical treatment

(e.g. super chlorination, flocculation or biofiltration) but excluding nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC, orthophosphate dosing or ion exchange). Works shall be allocated to size bands

according to their peak hydraulic capacity.



Processing rules: Input field

Previous reference: WICS 06: H2.7

H2.8 GW3 treatment works nr (3sf)

Full line title: Water treatment works – type GW3

Definition: More than one stage of complex treatment including

nitrate or pesticide removal, plumbosolvency treatment (e.g. GAC, orthophosphate dosing or ion exchange). Works shall be allocated to size bands according to their

peak hydraulic capacity.

Processing rules: Input field

Previous reference: WICS 06: H2.8

H2.9 Service reservoirs nr (3sf)

Full line title: Storage – service reservoirs

Definition: The number of treated water service reservoirs within

the water supply system including treated water reservoirs at water treatment works and any secondary disinfection plant on reservoir sites. Include break

pressure tanks.

Processing rules: Input field

Previous reference: WICS 06: H2.9

H2.10 Water towers nr (3sf)

Full line title: Storage – water towers

Definition: The number of treated water service towers within the

water supply system.

Processing rules: Input field

Previous reference: WICS 06: H2.10

H2.11 Intake pumping stations nr (3sf)

Full line title: Intake pumping stations

Definition: The number of intake pumping stations associated with

potable, non-potable and raw water systems. Inter-stage pumping stations at water treatment works are included



as part of the treatment process so exclude from this

line.

Processing rules: Input field

Previous reference: WICS 06: H2.11

H2.12 | Source pumping stations | nr (3sf)

Full line title: Source pumping stations

Definition: The number of source pumping stations associated with

potable, non-potable and raw water systems. Include in line transfer pumping, bore holes and wells requiring simple disinfection prior to forwarding into the supply

system. Include works high level pumping stations.

Processing rules: Input field

Previous reference: WICS 06: H2.12

H2.13 Booster pumping stations nr (3sf)

Full line title: Booster pumping stations

Definition: The number of booster pumping stations within the

distribution system.

Processing rules: Input field

Previous reference: WICS 06: H2.13



Table 3 Water Infrastructure

All reference numbers are to the line description only. Column descriptions are defined separately in guidance.

H3.1 Dams and impounding reservoirs nr (3sf)

Full line title: Water resources - dams and impounding reservoirs

Definition: All dams and impounding reservoirs used for holding

raw water. This line shall include all ancillary structures, pumped storage reservoirs and bank side storage

facilities.

Processing rules: Input field

Previous reference: WICS 06: H3.1

H3.2 Raw water intakes (lochs and burns) nr (3sf)

Full line title: Water resources – raw water intakes (lochs and burns)

Definition: All intake structures and associated works including

screens and penstocks for the direct gravity abstraction

of water from lochs, burns and springs.

Processing rules: Input field

Previous reference: WICS 06: H3.2

H3.3 Raw water aqueducts km (3sf)

Full line title: Water resources – raw water aqueducts

Definition: All mains or conveyors associated with the transfer of

raw water either between sources or from source to treatment. Exclude mains carrying water of potable

quality on entry to the main.

Processing rules: Input field

Previous reference: WICS 06: H3.3



H3.4 Potable mains (nominal bore) km (3sf)

Full line title: Potable water mains (nominal bore)

Definition: The length of all potable water mains. Include all

elements of trunk and distribution assets and system ancillaries. Include facilities intended for standby and

emergency supplies.

Processing rules: Input field

Previous reference: WICS 06: H3.4

H3.5 Other mains (nominal bore) km (3sf)

Full line title: Other water mains (nominal bore)

Definition: The length of all raw and partially treated water mains,

such as used for the delivery of untreated water directly to industrial customers or to golf courses. Exclude raw water mains classified as aqueducts under water resources. Include all partially treated industrial process

water or fire-fighting mains.

Processing rules: Input field

Previous reference: WICS 06: H3.5

H3.6 Communication pipes (lead) nr (3sf)

Full line title: Customer communication pipes (lead)

Definition: The total number of lead communication pipes within the

undertaker's supply area. SW should make clear in the accompanying Commentary document what they have based the MEAV value on, ideally in line with best

practice in England and Wales.

Processing rules: Input field

Previous reference: WICS 06: H3.6

H3.7 Communication pipes (other) nr (3sf)

Full line title: Customer communication pipes (other materials)

Definition: The total number of communication pipes, excluding

lead, within the undertaker's supply area. SW should make clear in the accompanying Commentary document



what they have based the MEAV value on, ideally in line with best practice in England and Wales.

Processing rules: Input field

Previous reference: WICS 06: H3.7

H3.8 Water meters nr (3sf)

Full line title: Customer meters

Definition: The total number of customer water meters within the

undertaker's supply area.

Processing rules: Input field

Previous reference: WICS 06: H3.8



Table 4: Waste water Infrastructure

All reference numbers are to the line description only. Column descriptions are defined separately in section 4.4 above.

H4.1 Critical sewers km (3sf)

Full line title: Critical sewers

Definition: The total length of all critical sewers.

Definition of "critical" comes from the WRC Sewerage Rehabilitation Manual. *Critical sewers* are those whose collapse repairs will be expensive or disruptive or those, which are considered to be strategically important. The principal structural criterion is that if a sewer should fail, the subsequent costs would be significantly higher than if rehabilitated before failure [more precise definition will

be found in the WRC manual].

Processing rules: Input field

Previous reference: WICS 06: H4.1

H4.2 Non-critical sewers km (3sf)

Full line title: Non-critical sewers

Definition: The total length of all non-critical sewers. All sewers not

covered by the definitions of critical sewers.

Processing rules: Input field

Previous reference: WICS 06: H4.2

H4.3 Sewage and sludge pumping mains km (3sf)

Full line title: Sewage and sludge pumping mains

Definition: The total length of all sewage pumping mains. This

category also includes sludge pumping mains between treatment sites, but not those that deliver sludge on a

single site.

Processing rules: Input field

Previous reference: WICS 06: H4.3



H4.4 Combined sewer/emergency overflows nr (3sf)

Full line title: Sewer structures – combined sewer/emergency

overflows

Definition: The number of combined sewer/emergency overflows

banded by capacity (1/s) whose failure would incur significant investment or cause major environmental

damage.

Processing rules: Input field

Previous reference: WICS 06: H4.4

H4.5 Other sewer structures nr (3sf)

Full line title: Other sewer structures

Definition: The number of other sewer structures banded by

volume (m³) whose failure would incur significant investment or cause major environmental damage. Include tanks and lagoons associated with critical

sewers.

Processing rules: Input field

Previous reference: WICS 06: H4.5

H4.6 Short sea outfalls nr (3sf)

Full line title: Short sea outfalls

Definition: The number of all pipelines used for the disposal of foul

and surface water and sewage effluent to the marine environment including diffusers, less than or equal to 500 metres in length. Exclude headworks, which should

be included in the appropriate treatment category.

Processing rules: Input field

Previous reference: WICS 06: H4.6



H4.7 Long sea outfalls nr (3sf)

Full line title: Long sea outfalls

Definition: The number of all pipelines used for the disposal of foul

and surface water and sewage effluent to the marine environment including diffusers, greater than 500 metres in length. Exclude headworks, which should be included

in the appropriate treatment category.

Processing rules: Input field

Previous reference: WICS 06: H4.7



Table 5: Waste water non- Infrastructure

All reference numbers are to the line description only. Column descriptions are defined separately in the guidance.

H5.1 Sewage pumping stations (in-line) nr (3sf)

Full line title: Sewage pumping stations (in-line)

Definition: Total number of in-line sewage pumping stations. For

these purposes a pumping station is defined as an individual site (i.e. **not** an individual pump). Include both foul, combined and stormwater pumping stations. Exclude all terminal sewage pumping stations situated both on the sewerage system and on treatment works

(and exclude treatment inter-stage pumping).

Processing rules: Input field

Previous reference: WICS 06: H5.1

H5.2 Sewage pumping stations (terminal) nr (3sf)

Full line title: Sewage pumping stations (terminal)

Definition: Total number of terminal sewage pumping stations. For

these purposes a pumping station is defined as an individual site (i.e. **not** an individual pump). Include both foul, combined and stormwater pumping stations. Exclude all in-line sewage pumping stations on the sewerage system. Include terminal pumping stations on

treatment works, but exclude inter-stage pumping.

Processing rules: Input field

Previous reference: WICS 06: H5.2



H5.3 Cess and Septic Tanks nr (3sf)

Full line title: Sewage treatment – Cess and Septic Tanks

Definition: The number of SW owned cess and septic tanks, whose

treatment does not involve preliminary treatment, such as simple screening or grit removal. Note that maceration of sewage is not, on its own, regarded as a preliminary treatment, as the breakdown of gross solids (with no removal) does not reduce BOD and could lead to an increase in the BOD effluent. This category also does not include septic tanks followed by reed beds or other form of secondary treatment, which should be

included in H5.6.

Processing rules: Input field

Previous reference: WICS 06: H5.3

H5.4 Preliminary treatment only nr (3sf)

Full line title: Sewage treatment works – preliminary treatment only

Definition: The number of sewage treatment works whose

treatment methods involves at least simple screening or grit removal but is not sufficient to be classed as primary treatment. Headworks to marine discharges comprising simple screening or grit removal should be included in this category. Note that maceration of sewage is not, on its own, regarded as a preliminary treatment as the breakdown of gross solids (with no removal) does not reduce BOD and could lead to an increase in the BOD

effluent.

Processing rules: Input field

Previous reference: WICS 06: H5.4

H5.5 Primary treatment only nr (3sf)

Full line title: Sewage treatment works – primary treatment

Definition: The number of sewage treatment works whose

treatment methods are restricted to primary treatment (screening, comminution, maceration, grit and detritus removal, pre-aeration and grease removal, storm tanks, plus primary sedimentation, including where assisted by

the addition of chemicals e.g. Clariflow).

Processing rules: Input field



Previous reference: WICS 06: H5.5

H5.6 | Secondary treatment only nr (3sf)

Full line title: Sewage treatment works – secondary treatment

Definition: As primary plus works whose treatment methods include

activated sludge (including diffused air aeration, coarse bubble aeration, mechanical aeration, oxygen injection, submerged filters) and other equivalent techniques including deep shaft process, extended aeration (single, double and triple ditches) and biological aerated filters as secondary treatment. Also include works whose treatment methods include rotating biological contractors and biological filtration (including conventional filtration, high rate filtration, alternating double filtration and double filtration), root zone treatment (where necessary as a secondary treatment

stage).

Processing rules: Input field

Previous reference: WICS 06: H5.6

H5.7 Tertiary treatment only nr (3sf)

Full line title: Sewage treatment works – tertiary treatment

Definition: The number of sewage treatment works comprising a

preliminary, primary, secondary and tertiary A1, A2, B1 and B2 treatment, as defined in the Annual Return Reporting Requirements and Definitions Manual in

Section E.

Processing rules: Input field

Previous reference: WICS 06: H5.7

H5.8 | Sludge treatment - liquid disposal nr (3sf)

Full line title: Sludge treatment facilities – liquid disposal

Definition: All sludge treatment plant in which the sludge is

digested and only supernatant water drawn-off prior to final disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks included under

sewage treatment works.



Processing rules: Input field

Previous reference: WICS 06: H5.8

H5.9 Sludge treatment - cake disposal nr (3sf)

Full line title: Sludge treatment facilities – cake disposal

Definition: All sludge treatment plant in which the sludge is

dewatered using centrifuges or presses prior to final disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks included under sewage treatment works. May be preceded by digestion

or conditioning.

Processing rules: Input field

Previous reference: WICS 06: H5.9

H5.10 Sludge treatment - compost disposal nr (3sf)

Full line title: Sludge treatment facilities – compost disposal

Definition: All sludge treatment plant in which the sludge is

composted prior to final disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks included under sewage treatment works. May be preceded by other processes prior to

composting.

Processing rules: Input field

Previous reference: WICS 06: H5.10

H5.11 | Sludge treatment – dried pellet disposal nr (3sf)

Full line title: Sludge treatment facilities – dried pellet disposal

Definition: All sludge treatment plant in which the sludge is dried

prior to final disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks included under sewage treatment works. May be preceded by digestion or dewatering using centrifuges or presses

within sludge disposal facility.

Processing rules: Input field



Previous reference: WICS 06: H5.11

H5.12 Sludge treatment - ash disposal nr (3sf)

Full line title: Sludge treatment facilities – ash disposal

Definition: All sludge treatment plant in which the sludge is

incinerated prior to final disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks included under sewage treatment works. May be preceded by digestion or dewatering using centrifuges or presses within sludge disposal facility.

Processing rules: Input field

Previous reference: WICS 06: H5.12

H5.13 | Sludge treatment - other disposal nr (3sf)

Full line title: Sludge treatment facilities – other disposal

Definition: All sludge treatment plant not covered in liquid, cake,

compost or ash disposal. Include all sludge treatment plant, which changes the nature of the raw sludge prior to its final disposal, excluding sludge holding tanks

included under sewage treatment works.

Processing rules: Input field

Previous reference: WICS 06: H5.13



Table 6 Support Services

All reference numbers are to the line description only. Column descriptions are defined separately in section 4.4 above.

H6.1 Offices & Laboratories m² & nr (3sf)

Full line title: Support Services – offices and laboratories

Definition: The total area of offices and laboratories utilised for the

water and wastewater service within SW.

Processing rules: Input field

Previous reference: WICS 06: H6.1

H6.2 Depots & workshops m² & nr (3sf)

Full line title: Support Services – depots and workshops

Definition: The total area of depots and workshops utilised for the

water and wastewater service within SW.

Processing rules: Input field

Previous reference: WICS 06: H6.2

H6.3 Control Centres m² & nr (3sf)

Full line title: Support Services – control centres

Definition: The total area of control centres utilised for the water

and wastewater service within SW.

Processing rules: Input field

Previous reference: WICS 06: H6.3

H6.4 Vehicles & Plant £m (3sf)

Full line title: Support Services – vehicles & plant

Definition: The total replacement cost of vehicles and plant used

for the water and wastewater service within SW.

Processing rules: Input field

Previous reference: WICS 06: H6.4



H6.5 Telemetry systems % & nr (3sf)

Full line title: Support Services – telemetry systems

Definition: The percentage of SW's operational sites covered by

telemetry systems. Also to be input in this line are the number of telemetry outstations installed at operational

sites.

Processing rules: Input field

Previous reference: WICS 06: H6.5

H6.6 Information Systems nr (3sf)

Full line title: Support Services – information systems

Definition: The total number of laptops, desktops & servers utilised

to support the water and wastewater service within SW.

Previous reference: WICS 06: H6.6

H6.7 Other non-operational assets nr (3sf)

Full line title: Other non-operational assets

Definition: All other non-operational, owned and maintained assets,

including other property and land (e.g. farms, houses, tourist complexes, non-operational land, etc, which are not included in H6.1-H6.6). This Line excludes any

leased assets.

Processing rules: Input field

Previous reference: WICS 06: H6.7