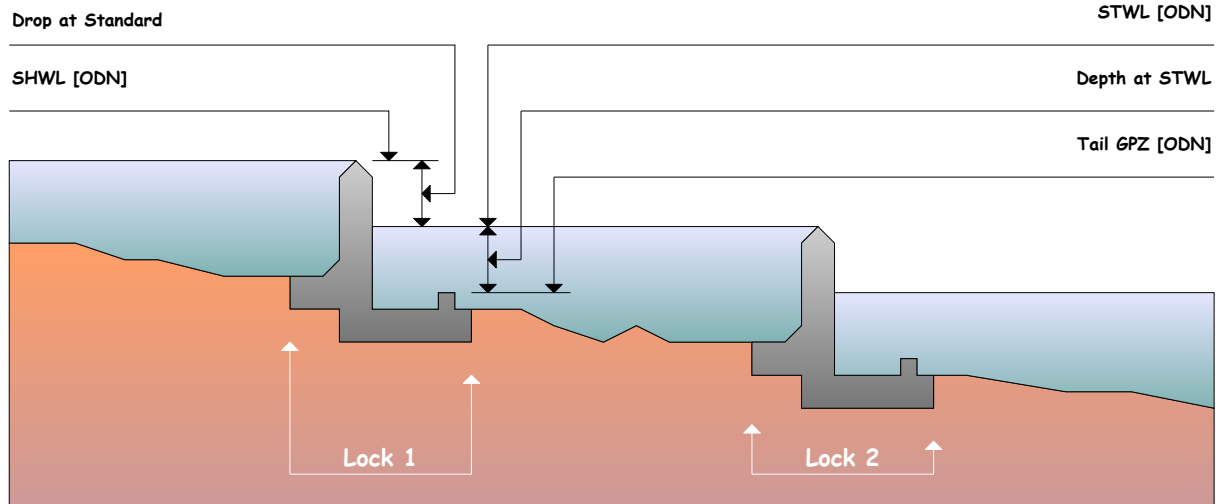


Thames Lock Data



SHWL

This is the Standard Head Water Level. It is the level of the crest of the weir. Local Head or Upstream water levels are measured with reference to this datum. Head water levels above this datum are taken as positive, head water levels below this datum are taken as negative. SHWL - ODN is the level of the crest of the weir with reference to the Ordnance Datum at Newlyn.

STWL

This is the Standard Tail Water Level. It is the level of the crest of the next weir down stream. It is the level the water would be if there was no flow on the river. Waterways PSTN outstations are set up to report local Tail or Downstream levels with reference to this datum. STWL - ODN is the level of the crest of the next weir down stream with reference to the Ordnance Datum at Newlyn.

Tail GPZ

This is the Tail Gauge Pile Zero. It is the level of the top of the sill of the down stream lock gate. It is of interest as it gives an indication of the maximum draft of a vessel that can enter the lock. The radio system telemetry outstations are set up to report Tail or Downstream water levels with reference to this datum. Tail GPZ - ODN is the level of the top of the sill with reference to the Ordnance Datum at Newlyn.

Depth at STWL

This is the depth of water over the sill of the down stream lock gate in no flow conditions.

Drop at Standard

This is the difference between the Standard Head Water Level and the Standard Tail Water Level. It is the drop in water level across the lock in zero flow conditions.

[Link to Thames Lock Details](#)