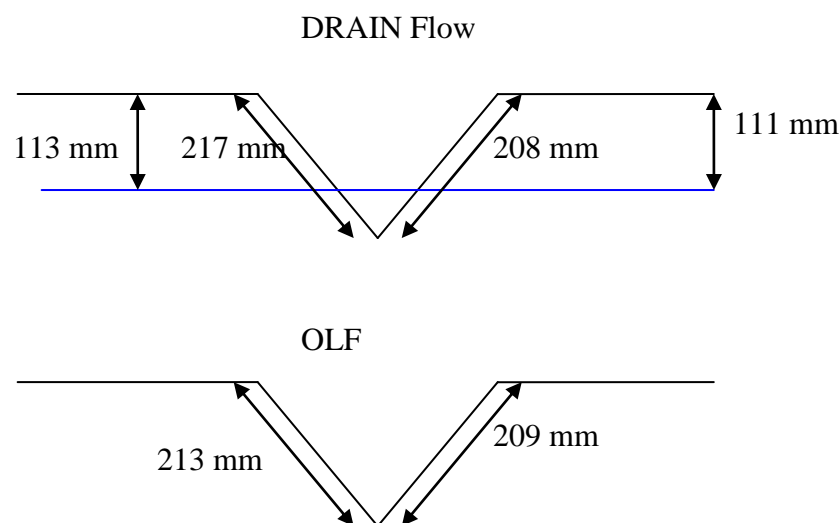


This file is for the weir boxes that are measuring drain and overland flow in the bowl. They were installed on 01/11/06.

Date	Comments
01/11/06	1426 GMT. DRAIN flow weir box ~23.33 mm above the v-notch. OLF weir box ~106 mm below the v-notch
08/11/06	Downloaded from logger. Noticed that OLF weir box is leaking.
14/11/06	Downloaded from logger. Removed OLF weir box stilling to see if where the leak was.

Diagrams below show measurements taken of the v-notch and the water status of at least the DRAIN flow box. For the drain flow box there is a 9 mm difference in the length of the V on either side suggesting that the v is not completely vertical. The average length is 212.5 mm. The CV is 2.99 %. The average length of the OLF is 211 mm. The CV is 1.3 %.

Measurements of water depth of the drain flow were taken at the time of download. These figures were taken at the edge of the box, away from the V-notch to avoid the effects of the draw down. Average 112 mm. Using the average length of V-side the depth of water above the V-notch was 37.3 mm



22/11/06	Reinstalled OLF weir box pressure transducer ~ 14:50
23/11/06	Discovered that it is the actual weir box of the olf that is leaking. I believe that it is around the hole to where the stilling well is attached. The box has been removed and allowed to dry before repairing.
27/11/06	Data from last download indicated that there was a problem with the drain flow. A wire had come loose. This was fixed, wire reconnected.
29/11/06	Re-installed olf weirbox. Water level was set to 0 in relation to

	flow before starting logging again.
06/12/06	Apparent problem with wiring of s'belt weir box – hopefully corrected now.
03/01/07	At time of download OLF weir box was essentially at 0 mm above the height of the V.
08/03/07	Plastic material for guiding OLF water into gutter extended to within 2 or 3 meters of the end of the trench. Ran out of material. Soil here very crumbly.
29/03/07	When tried to download there was no data. Realised this was because when downloaded previous time changed battery after downloaded and set logger running. Logger can't handle this.
3/4/07	Plastic material for guiding OLF water into gutter extended to end of trench although soil very crumbly so maybe not totally secure.
18/04/07	Because of evaporation, the level of the water in the weir box is dropping below the v-notch.
30/04/07	Hillslope OLF trap – a lot of mole/vole activity pushing soil into trap and causing general disturbance
02/05/07	OLF trap repaired. Pegs required to hold roofing material to soil.
04/05/07	Pegged back material on OLF trap but soil pretty crumbly.
07/06/07	Weirboxes were measured to determine their internal area. These were 75.2 cm x 69.2 (0.520384 m ²) and 74.5*69.1 + 75.1*69.2 (AVE 0.517242 m ²) for the drain and overland flow respectively.
30/08/07	Drain not flowing
17/09/07	Weirboxes essentially at V notch crest height although there was a small blockage damming up a few mm of water on OLF
12/12/07	Quite a bit of sediment in OLF gutter presumably from intense OLF. Down pipe clear. Cleared out gutter.
23/01/08	Downloaded and looked through data. Considering the overland flow seen first hand at the bowl, the amount recorded at the hillslope weirboxes seems far too low. This could be explained by the possibility of a blockage. Mopped up a puddle of water in the cabinet housing the logger. Logger was dry though.
30/01/08	As thought from observing the data there was a blockage in the down pipe of the OLF gutter. This was cleared out.
13/03/08	Seems to be gap in data from 03/03/08 – 13/03/08. Not sure what happened. The file downloaded on 13/03/08 has same data as previous file downloaded!?
15/08/08	Data done jump down after last download on 30/07/08.