

Manual Precipitation Methodology

(Last rev. 09/08/2019)

Precipitation has been measured manually using several different thermometers at several different locations. Sensor changes and site changes were not always recorded.

Monitoring history:

1. It is probable that rainfall was measured with other gauges at other locations prior to when the Physical Monitoring program began assisting the station in 2012
2. In 2012 the gauge was moved from its location near to the bushes (Fig. 1) into a more open area approximately 15m south (Fig. 3).
3. A NovaLynx Model 260-2520 Forestry Aluminum Rain Gauge rain gauge with a total capacity of 20" and measures to 0.01" was installed in the clearing to the north of the main building (Fig. 2).
4. On Aug. 10, 2017, the new gauge was moved to its final location in the south clearing (Fig. 2). A wind skirt was added to the original gauge as an experiment to evaluate the possible effects of wind on rain measurement at this location.

Figure 4 provides an aerial view of the two monitoring locations.

Rainfall is recorded between 8:30 and 10:00am. Rainfall is recorded almost every day.



Figure 1. Original Rain gauge, 2012



Figure 2. New rain gauge in north clearing



Figure 3. Original Rain gauge (right) with new wind skirt, and new rain gauge (left)



Figure 4. Location of gauges