

Deliverable 3.1 – Instrument Installation Memo

This memo is written to fulfill Deliverable 3.1 stating that instrumentation need to carry out the project titled *Ditch maintenance and redesign for improved stormwater management*. The following instrumentation memo covers efforts and costs associated with just the plant study (Task 4) of the project. The quantification of water quality and quantity (Task 5) was abandoned.

Three ditch systems were instrumented - two in Puyallup, WA, and one in Pullman, WA. Ditch locations are shown in Figure 1

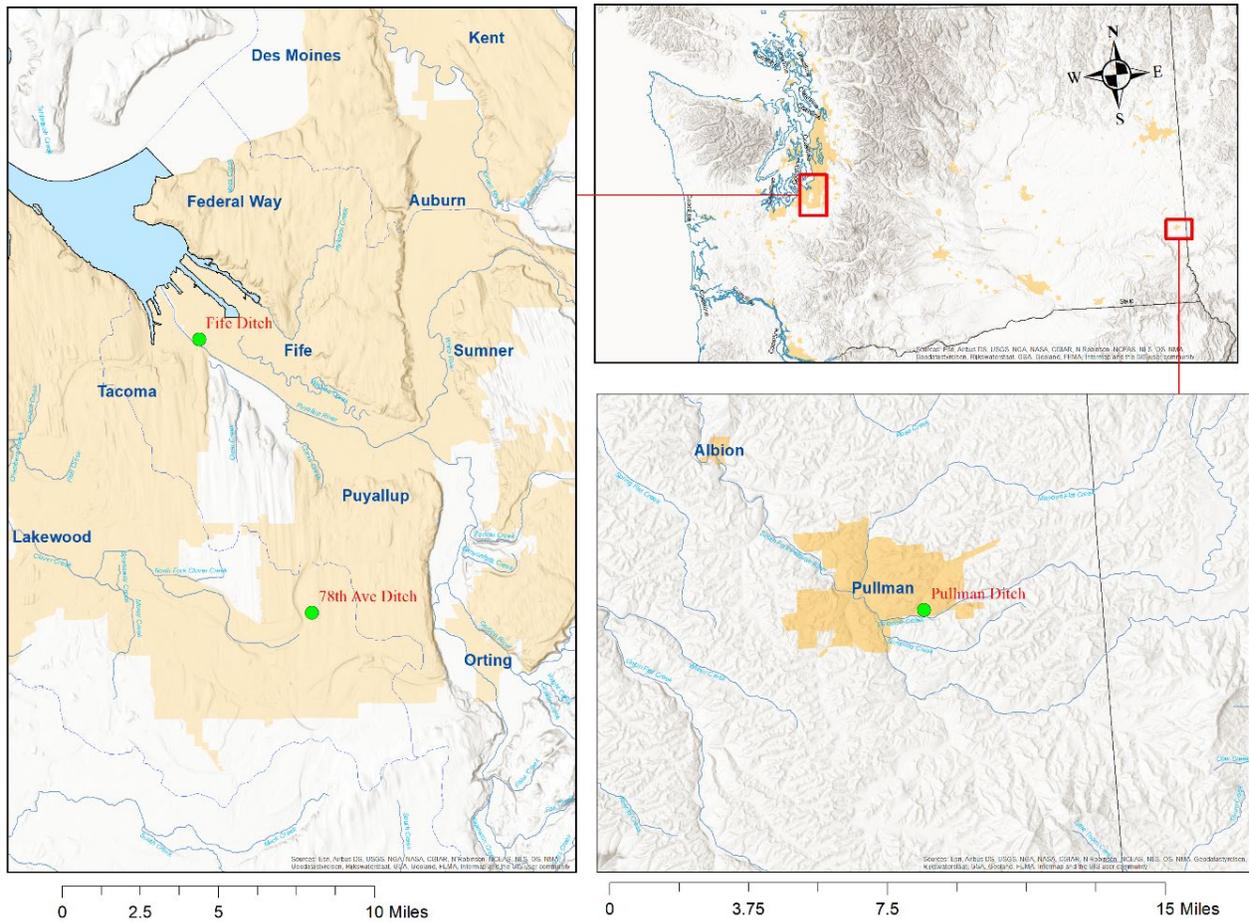


Figure 1: Location of three ditch sites in Washington. Locations are marked with green circles, two are close to Fife and Puyallup, and one located in Pullman.

Fife Ditch Site (seeded in October 2021)



Figure 2: Construction and hydroseeding of plants in the Fife Ditch.

78th Ave Ditch Site (seeded in September 2022)



Figure 3: Construction and hydroseeding of plants in the 78th Ave Ditch. Lower row of images shows drone shoots of the site showing plan establishment.

Pullman Ditch Site (seeded in September 2022)



Figure 4: Planted plots at the Pullman Ditch.



Figure 5: Hydroseeder used to spread plant seed.



Figure 6: Some of the seed blends used.