



# Chena Slough Elodea Project

## Water Sampling Results

The drip treatment of liquid herbicide (SonarGenesis) was started on June 23<sup>rd</sup>, 2020 and will continue for approximately 12 weeks. The pelleted herbicide (SonarH4C) will be applied once in early July, and a second time in mid-September. Water samples are collected in Chena Slough near Natalie Ave., Repp Rd., Nordale Rd., Peede Rd., and Persinger Rd. and analyzed for **fluridone concentration in parts per billion (ppb)** at SePRO Research and Technology Campus. Twice during the season, the water samples collected will be analyzed at a local third party lab (ARS Aleut Analytical) for fluridone concentration.

Site/date	6.24.20	7.2.20	7.9.20	7.13.20	7.24.20	7.29.20	8.13.20	8.18.20	8.31.20	9.8.20	9.15.20	10.7.20
Natalie	3.2	2.1	3.3	3.8	3.3	2.7	0	0	2.7	4.1	0	1.8
Repp	4.8	4.8	6.4	6.9	4.2	5.3	0	0	3.9	6.6	0	2.3
Nordale	1.7	3.5	5.4	4.1	2.4	3.9	0	1.1	2.9	4.4	0	3.2
Peede	<1	3.2	4.5	2.9	2.6	3.1	1.3	1.7	1.7	3	0	1.6
Persinger	<1	2.8	5.3	5.6	2.8	4.8	0	3.1	2.7	3.4	1	2.4

### 3<sup>rd</sup> Party Lab fluridone test results

Note: The Method Reporting Limit (MRL) for this analysis is 0.075 parts per billion (ppb). When fluridone concentration is reported as <MRL it means that no fluridone was detected in the sample at the minimum detection limit for this analysis method.

Site/date	6.16.20	9.2.20
Natalie	ND	ND
Repp	ND	ND
Nordale	ND	ND
Peede	ND	ND
Persinger	ND	ND

### ***Irrigation Restrictions***

- *For plants in the Solanaceae family (tomatoes, peppers, potatoes, tobacco), newly seeded crops, or newly seeded grasses such as overseeded golf course greens, do not use water directly from Chena Slough if fluridone concentration is **>5ppb**.*
- *Do not use water directly from Chena Slough for hydroponic farming if fluridone concentration is **>1ppb**.*
- *Do not use water directly from Chena Slough for greenhouse and nursery plants if fluridone concentration is **>1ppb**.*
- *When fluridone concentration is **less than 10ppb**, there are NO IRRIGATION PRECAUTIONS for irrigating established tree crops, established row crops, or turf.*

When restrictions apply we recommend using an alternate water source (such as well water) for irrigation.