



Chena Slough Elodea Project

Water Sampling Results

The drip treatment of liquid herbicide (SonarGenesis) was started on June 19th, 2017 and ended on September 13th, 2017. The pelleted herbicide (SonarH4C) was applied by boat on June 20th and 21st, 2017. A second pellet application was conducted on August 8th.

Water samples are collected weekly 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. 30% of the water samples collected will be analyzed at a local third party lab (ARS Aleut Analytical) for fluridone concentration.

	1DAT	2DAT	1WAT	2WAT	3WAT	4WAT	5WAT	6WAT	7WAT	8WAT	9WAT	10WAT	11WAT	12WAT	13WAT
Site/date	6/20	6/21	6/26	7/05	7/10	7/17	7/24	7/31	8/7	8/14	8/21	8/28	9/6	9/11	9/20
Natalie	2.3	2.5	2.7	5.0	4.1	5.4	5.1	4.9	3.7	2.3	1.8	2.9	3.3	4.1	1.1
Repp	3.9	4.5	4.5	7.9	8.3	9.0	8.9	7.9	7.0	5.1	4.5	5.6	6.6	7.5	<1
Nordale	0.5	5.8	3.6	5.1	4.9	5.3	5.3	6.1	4.8	5.4	3.3	3.9	4.1	3.8	<1
Peede	0.5	4.5	3.0	4.7	5.1	5.0	4.7	5.0	4.4	3.8	3.2	4.0	3.6	4.7	<1
Persinger	0.5	1.7	3.5	4.3	4.7	4.4	4.9	4.2	3.8	4.5	3.1	3.6	3.2	5.0	<1

DAT = days after treatment

WAT = weeks after treatment

3rd 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	6/26/17	7/5/17	7/17/17	9/11/17
Natalie	<MRL	<MRL	<MRL	0.81
Repp	1.0	1.0	2.6	<MRL
Nordale	<MRL	<MRL	2.0	<MRL
Peede	<MRL	<MRL	1.0	<MRL
Persinger	<MRL	<MRL	2.2	<MRL

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.