Interim Report: *Kenai Peninsula Aquatic Invasive Plant Surveys & Bradley Lake Treatment*

In 2020 and 2021, KWF continued completing objectives associated with the KP-FHP funded project *Kenai Peninsula Aquatic Invasive Plant Surveys & Bradley Lake Treatment.* With an adjusted total budget of $30,654.98, and because of additional funding that became available through a partner agency, the cost of the Bradley Lake terrestrial treatments was covered by partner agencies and removed from the objectives of this project. Therefore, in 2020 and 2021, KWF focused solely on aquatic invasive species issues within the scope of this project.

2020

In 2020, using prioritization methods based on Access Type (Float Plane Traffic, Public Boat Launch, Residential, Public Use Cabin, etc.), 14 waterbodies on the Kenai Peninsula were prioritized for survey in 2020. Figure 1 shows the waterbodies that were surveyed in 2020. No Elodea was found during surveys completed in 2020.

**Figure 1**. 2020 Aquatic Invasive Species Survey locations

| Waterbody | Acres | Target species | Presence |
|---|---|---|---|
| Browns | 371 | Elodea | 0 |
| Beck | 182 | Elodea | 0 |
| Daniels | 628 | Elodea | 0 |
| Stormy | 323 | Elodea | 0 |
| West Mackey | 161 | Elodea | 0 |
| Sports | 65 | Elodea | 0 |
| Longmere | 136 | Elodea | 0 |
| Scout | 84 | Elodea | 0 |
| Spirit/Elephant | 314 | Elodea | 0 |
| Salamatof | 201 | Elodea | 0 |
| Island | 259 | Elodea | 0 |
| Enceleweski | 95 | Elodea | 0 |
| Centennial | 35 | Elodea | 0 |
| East Mackey | 94 | Elodea | 0 |
| **Total** | **2948 acres** | | |

2021

In 2021, remaining funding within this project was used for personnel time to implement Aquatic Invasive Species signage at high-use public boat launches across the Kenai Peninsula. These *CleanDrainDry* signs, designed through a partnership between Alaska Department of Fish and Game and the US Fish and Wildlife Service, were purchased with external funding garnered by KWF. KP-FHP funds were used for the KWF Invasive Species Technician and Invasive Species Intern to install the signs at Stormy Lake, Island Lake, Longmere Lake, and Sports Lake.

**Figure 2.** *CleanDrainDry* signage implemented by KWF personnel at Longmere Lake in 2021