

Lakes Management

Lake Lawrence Vegetation Monitoring Weed surveys were conducted monthly from April through August on Lake Lawrence, and post survey monitoring was conducted following herbicide treatments. The lake is divided into 12 treatment zones along the shoreline. Weeds were assessed visually, and by dragging a rake along the lake bottom several times in each zone to reveal submerged vegetation species and to assign a density rating. Lake Lawrence uses a numerical scale ranging from 1-4 (low to high) to specify the density of vegetation growth. Data is collected in each zone to assess herbicide treatment needs, and to track species shifts.

Control Work in 2020

Lawrence Lake experienced moderate pondweed growth by early summer. Big leaf, Curly and Narrow leaf pondweeds grew densely in shallower portions of the lake along the north end, southeast end and north of the WDFW Boat Launch into the south and west sides of the smaller lake. Pond lilies including Fragrant Water Lily and Spatterdock grew in dense patches on the south end of the canal and the entire south end of the lake. Toward mid-summer Elodea and Water Nymph plants were found in high densities in virtually all shallow areas (0-6 feet in depth). During the plant surveys Purple loosestrife and Knot Weed was also found blooming on the shoreline in a few locations. Four herbicide treatments were conducted in Lake Lawrence during the 2020 growing season. The first targeted Yellow Flag Iris around the entire shoreline during the period May 28th to June 5th using 3.5 gallons of Imazapyr. Post monitoring surveys revealed good control was achieved. The second targeted submerged pondweeds in areas where dense growth was observed during vegetation surveys. A total of 18 acres were treated with Aquathol K™ on June 12th, 2020. Post monitoring surveys revealed very good control of pondweeds in all areas treated. The third herbicide treatment was a spot treatment on July 8th targeting shallow areas with dense Fragrant Water Lily and Spatterdock growth primarily in the south end of the canal and south end of the lake. Post monitoring surveys showed very good control on Spatterdock, but only minimal control of Fragrant Water Lily. On August 11th Noxious Weed spot treated small isolated patches of Purple loosestrife and Knot Weed that were found close to the shoreline. Prior to treatment all flowers were removed and bagged from the Purple Loosestrife. Post monitoring surveys showed only minimal control of Knot Weed.

Education and Outreach

Lake Lawrence held three LMD meetings in 2020 in which lake related activities and needs are discussed. The Annual Members meeting in April 2020 was cancelled due to COVID-19. Lake Lawrence LMD also conducts plant tours with LMD members monthly throughout the growing season, and regularly sends email notifications out to Lake Lawrence ratepayers about lake related activities.