

**Recommended Fish and Wildlife Treatment Windows for Ecology's Aquatic Plant and Algae Management Permit**

Source: Washington State Department of Fish and Wildlife (WDFW), February 16, 2011

**General:** WDFW provides recommended treatment windows for aquatic herbicide treatment. These windows are designed to avoid adverse impacts to priority species (federal- and state-listed and other sensitive and vulnerable species). WDFW recognizes that aggressive treatment of emerging noxious weeds may sometimes be advisable during these treatment windows. In these situations, Ecology and the Permittee must consult with WDFW to determine ways to minimize or mitigate treatment impacts to fish and wildlife. Contact a WDFW regional office (<http://www.wdfw.wa.gov/about/regions/>). **For all water bodies not listed below, the annual treatment window is July 15 - October 31st.** If you need to treat outside this window, Ecology and the permittee must consult with WDFW to determine an alternate timing window or if priority species are present, potential species impacts and appropriate mitigation.

| County/Water Body    | Priority Species Known Occurrence*   | Recommended Treatment Windows for Aquatic Herbicide Application<br>(Treatment is allowable within the date range shown, unless otherwise noted. Both dates [start and end] are inclusive within the work window.) | See Notes at Bottom of Table<br>(Rationale for recommended window for non-fish species) |
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| <b>Adams County</b>  |  |   |   |
| Herman Lake          | Rainbow trout.   | Year-round as needed.   |   |
| <b>Benton County</b> |  |   |   |
| Yakima River         | Anadromous salmonids, spring Chinook, summer steelhead, sockeye, Coho, fall Chinook. | July 15 - December 31.  |   |
| <b>Chelan County</b> |  |   |   |
| Chelan               | Bull trout.  | July 15 - December 31.  |   |
| Cortez               | Wood duck.   | Year-round as needed.   | 1   |
| Domke                | Rainbow trout.   | Year-round as needed.   |   |
| Fish                 | Rainbow trout, Sandhill crane, Columbia spotted frog.                                | Avoid treatment. If treatment necessary for control of noxious weeds, then consult with WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 2 office at 509-754-4624.     | 2   |

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| Roses   |  | Large mouth bass present.<br>Consider treating after July 15.  |      |
| Wapato  |  | Large mouth bass present.<br>Consider treating after July 15.  |      |
| <b>Clallam County</b>                           |  |  |      |
| Pleasant  | Sockeye (beach spawning and rearing), Coho, winter steelhead, rainbow trout, Kokanee, cutthroat trout, Chinook.                        | Consult with WDFW Region 6 office at 360-249-4628 prior to treatment.  |      |
| Sutherland                                      | Chinook, Coho, pink, chum, steelhead, rainbow trout.   | Annually after July 15. NOTE: Consult with WDFW Region 6 office, 360-249-4628, prior to treatment post removal of Elwha dams. Dam removal will make this lake accessible to anadromous fish.   |      |
| <b>Clark County</b>                             |  |  |      |
| Battleground                                    | Resident trout, Bald Eagle.  | July 15 - December 31  |      |
| Caterpillar Slough                              | Anadromous salmonids, Great Blue Heron rookeries (nearby).   | July 15 - December 31. Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 5 office at 360-696-6211 to determine how to minimize disturbance of nesting herons. | 3    |
| Lacamas   | Resident cutthroat, waterfowl concentrations.  | July 15 - December 31.   | 1    |
| Lake River                                      | Chinook, Coho, steelhead, cutthroat, Bald Eagle, waterfowl concentrations, Great Blue Heron rookery.                                   | July 15 - December 31.   | 1, 3 |
| Vancouver Lake                                  | Coho, fall Chinook, winter steelhead, cutthroat trout, Bald Eagle, waterfowl concentration, purple martin, Great Blue Heron rookeries. | July 15 - December 31.   | 1, 3 |
| <b>Columbia, Franklin, Walla Walla Counties</b> |  |  |      |

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| Herbert G. West Lake and the Snake River | Anadromous salmonids, burbot, whitefish, Bald Eagle, waterfowl concentrations.   | July 1 - December 31, Also avoid treatment September 15 - Nov 15. |      |
| <b>Cowlitz County</b>                    |  |   |      |
| Kress                                    | Threatened Coho and steelhead in adjacent tributaries to Kalama River, cavity-nesting ducks.   | July 1 - December 31.   | 1    |
| Longview drainage ditches                | Chinook, Coho, steelhead, cutthroat trout, salmonids present in ditch numbers 6, 10, and potentially more, cavity-nesting ducks in Lake Sacajawea, waterfowl throughout sloughs & ditches.   | Year-round as needed.   | 1    |
| Silver                                   | Coho, fall Chinook, resident cutthroat, winter steelhead, Bald Eagle, waterfowl concentration, Western toad, nesting purple martins on west end of Silver Lake, several Great Blue Heron rookeries on Hemlock Creek trib to SE corner of lake. | July 15 - December 31.  | 3    |
| Solo Sough                               | Anadromous salmonids, cavity-nesting ducks and wintering waterfowl in adjacent Coal Creek wetlands, Great Blue Heron rookery on neighboring Fisher Island.   | July 15 - December 31.  | 1, 3 |
| Willow Grove Sloughs                     | Anadromous salmonids, wintering waterfowl concentrations, Bald Eagle nesting on Fisher-Hump Islands, cavity nesting ducks on Coal Creek slough and wetlands as well as Fisher-Hump Islands, Great Blue Heron rookery on nearby Fisher Island.  | July 15 - December 31.  | 1, 3 |
| <b>Franklin County</b>                   |  |   |      |
| Kahlotus                                 | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site.               | Year-round as needed.   |      |

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| Sacajawea           | Salmonids, including endangered fall Chinook.  | July 15 - December 31 (juvenile salmonids out-migration), but avoid Sept 15 - Nov 15 (returning and spawning listed adult salmonids).   |         |
| Scooteney Reservoir | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round as needed.   |         |
| <b>Grant County</b> |  |   |         |
| Babcock Ridge       |  | Year-round as needed.   |         |
| Billy Clapp         | Kokanee, rainbow trout, walleye, waterfowl concentration, common loon.   | July 15 - December 31. Stay 500' away from loon nursery pools to September 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance. | 4       |
| Blue Lake           | Rainbow trout, common loon, waterfowl concentration.   | July 15 - December 31. Stay 500' away from loon nursery pools to September 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance. | 4       |
| Burke               | Waterfowl concentration.   | Year-round as needed.   |         |
| Caliche             | Waterfowl concentration.   | Year-round as needed.   |         |
| Canal               |  | Year-round as needed.   |         |
| Corral              | Rainbow trout.   | Year-round as needed.   |         |
| Corral Southwest    |  | Year-round as needed.   |         |
| Evergreen Reservoir | Waterfowl concentration.   | July 1 - December 31.   |         |
| Moses               | Rainbow trout, walleye, American white pelican, Bald Eagle, Clark's grebe, long-billed curlew, shorebird & waterfowl concentrations, tundra swan, Western grebe, common loon.  | August 31 - December 31, otherwise, consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance to sensitive bird species.                    | 1, 4, 5 |

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| Park Lake  | Rainbow trout, common loon, waterfowl concentration, Yuma skipper.  | July 15 - December 31. Stay 500' away from loon nursery pools to September 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance.   | 4, 6       |
| Potholes Reserviors  | Kokanee, rainbow trout, walleye, American white pelican, Bald Eagle, Great Blue Heron, shorebird concentrations, tundra swan, waterfowl concentration, Western grebe, ash-throated flycatcher, black-necked stilt, Columbia spotted frog, common loon, Northern leopard frog, Black-crowned night heron, Clark's grebe. | Avoid treatment. If treatment necessary for control of noxious weeds, then consult with WDFW to determine treatment areas to avoid impacts to Columbia spotted frog and Northern leopard frog. Contact Region 2 office at 509-754-4624. | 2, 3, 4, 5 |
| Priest Rapids  | Anadromous salmonids.   | July 15 - December 31.  |            |
| Quincy   | Waterfowl concentration.  | Year-round as needed.   |            |
| Rocky Ford Creek   |   | Year-round as needed.   |            |
| Stan Coffin  | Waterfowl concentration.  | July 1 - December 31.   |            |
| Unnamed potholes at Dodson Frenchman and Frenchman Hills Nos 1 through 4 |   | Year-round as needed.   |            |
| Warden   | Common loon.  | July 15 - December 31. Stay 500' away from loon nursery pools to September 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance.   | 4          |
| Winchester Wasteway  | Waterfowl concentration, western grebe.   | Year-round as needed.   |            |
| <b>Grays Harbor County</b>   |   |   |            |
| Duck   | Waterfowl concentration   | April 1 - September 30  |            |
| Island   |   | Year-round as needed.   |            |
| Lone   |   | Year-round as needed.   |            |
| Smith  |   | Year-round as needed.   |            |
| Star   |   | Year-round as needed.   |            |
| <b>Island County</b>   |   |   |            |
| Lone   | Coho.   | Year-round as needed.   |            |
| Smith  | Resident cutthroat.   | Year-round as needed.   |            |

| <b>Jefferson County</b> |   |  |   |
|-------------------------|---|--|---|
| Leland                  | Coho, resident cutthroat, trumpeter swan, waterfowl concentration.        | Avoid treatment. Consult with WDFW region 6 if treatment necessary for noxious weeds. Contact Region 6 office at 360-249-4628. |   |
| <b>King County</b>      |   |  |   |
| Alice                   |   | Year-round as needed.  |   |
| Angle                   |   | Large mouth bass present. Consider treating after July 15.   |   |
| Aqua Vista Pond         |   | Year-round as needed.  |   |
| Bass                    |   | Year-round as needed.  |   |
| Beaver                  | Resident cutthroat, waterfowl concentration.                              | Year-round as needed.  | 1 |
| Clyde Loch Lagoon       |   | Year-round as needed.  |   |
| Cottage                 | Coho, fall Chinook, resident cutthroat, sockeye, waterfowl concentration. | Year-round as needed.  | 1 |
| Desire                  |   | Large mouth bass present. Consider treating after July 15.   |   |
| Fenwick                 |   | Large mouth bass present. Consider treating after July 15.   |   |
| Geneva                  |   | Year-round as needed.  |   |
| Green                   |   | Large mouth bass present. Consider treating after July 15.   |   |
| Haller                  |   | Large mouth bass present. Consider treating after July 15.   |   |
| Jeanne                  |   | Year-round as needed.  |   |
| Kathleen                |   | Year-round as needed.  |   |
| Killarney               |   | Large mouth bass present. Consider treating after July 15.   |   |
| Lake at Kent            |   | Year-round as needed   |   |
| Lake at Mercer Island   |   | Year-round as needed   |   |
| Lake Twelve             |   | Year-round as needed   |   |

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| Lake Washington                         | Chinook, Coho, sockeye, steelhead, bull trout. | General: July 15 - December 31.<br>There are additional treatment windows for portions of the lake. There are also treatment windows for sockeye spawning areas. These are scattered along the shoreline and the treatment window starts July 16 and ends September 30 for these areas. Please call WDFW for further information at 425-313-5681. |   |
| Lake Washington between I-90 and SR 520 | Anadromous salmonids.                          | July 15 - December 31.  |   |
| Lake Washington North of SR 520         | Anadromous salmonids.                          | Between SR 520 and a line drawn due west from Arrowhead Point- Annually after July 15, North of a line drawn due west from Arrowhead Point July 16 - July 31.   |   |
| Lake Washington Ship Canal              | Anadromous salmonids.                          | From Chittenden Locks to the east end of the Mountlake Cut, Oct 1 - April 15.   |   |
| Lake Washington south of I-90           | Anadromous salmonids.                          | Within 1 mile of Mercer Slough or Cedar River- July 16 - July 31, Further than 1 mile from Mercer Slough or Cedar River- Annually after July 15.  |   |
| Leota                                   |  | Large mouth bass present. Consider treating after July 15.  |   |
| Lorene                                  |  | Year-round as needed.   |   |
| Lucerne*                                |  | Year-round as needed.   |   |
| Marcel                                  |  | Year-round as needed.   |   |
| Meridian                                |  | Large mouth bass present. Consider treating after July 15.  |   |
| Mirror                                  |  | Year-round as needed.   |   |
| North*                                  | Waterfowl concentration.                       | Year-round as needed.   | 1 |
| Phantom                                 | Great Blue Heron.                              | Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 4 at 425-775-1311 to determine how to minimize disturbance of nesting herons. Large mouth bass present. Consider treating after July 15.   | 3 |

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| Pine                 | Waterfowl concentration.                          | Large mouth bass present.<br>Consider treating after July 15.   | 1    |
| Pipe                 |   | Year-round as needed.   |      |
| Ponce De Leon        |   | Year-round as needed.   |      |
| River Mobile Estates |   | Year-round as needed.   |      |
| Sammamish            | Chinook, Coho, steelhead,<br>sockeye, bull trout. | Within 1/2 mile of Issaquah Creek-<br>July 16 - July 31, Further than 1/2<br>mile of Issaquah Creek- July 16 -<br>December 31. In addition to the<br>treatment windows listed above,<br>there are additional work window<br>restrictions for sockeye spawning<br>areas. These are scattered along<br>the Lake Sammamish shoreline<br>and the treatment window starts<br>July 16 and ends September 30<br>for these areas. Please call<br>WDFW habitat biologist, for<br>information concerning these<br>treatment windows at<br>425-313-5681. |      |
| Sawyer               | Coho, steelhead.                                  | July 15 - December 31.  |      |
| Shady                |   | Year-round as needed.   |      |
| Spring               | Waterfowl concentrations.                         | Large mouth bass present.<br>Consider treating after July 15.   |      |
| Star                 |   | Year-round as needed.   |      |
| Steel                | Waterfowl concentrations.                         | Large mouth bass present.<br>Consider treating after July 15.   |      |
| Lake Union           |   | Use timing for the Lake<br>Washington Ship Canal.   |      |
| Wilderness           | Waterfowl concentration,<br>common loon.          | July 15 - December 31. Stay 500'<br>away from loon nursery pools to<br>September 1, or consult with<br>WDFW Region 4 office at<br>425-775-1311.   | 1, 4 |
| Winterwood           |   | Year-round as needed.   |      |
| <b>Kitsap County</b> |   |   |      |
| Buck                 | Pacific pond turtle.                              | Avoid treatment. Consult with<br>WDFW region 6 if treatment<br>necessary for noxious weeds.<br>Contact Region 6 office at<br>360-249-4628.  |      |
| Horseshoe            |   | Year-round as needed.   |      |

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| Island                 | Great Blue Heron rookery,<br>Bald Eagle.   | Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 6 office at 360-249-4628 to determine how to minimize disturbance of nesting herons. If you observe nesting Bald Eagle, contact Region 6 office prior to treatment. | 3 |
| Kitsap                 | Coho, resident cutthroat, winter steelhead, breeding and wintering waterfowl.  | Avoid treatment. Consult with WDFW region if treatment necessary for noxious weeds. Contact Region 6 office at 360-249-4628.   | 1 |
| Long                   | Coho, fall chum, resident cutthroat, summer chum, winter steelhead, waterfowl concentration.   | July 15 - December 31.   | 1 |
| Mission                | Coho, resident cutthroat.  | Year-round as needed.  |   |
| Square                 |  | Large mouth bass present. Consider treating after July 1.  |   |
| Tahuyeh                | Coho, Bald Eagle.  | July 15 - December 31. If you observe a nesting Bald Eagle, contact Region 6 office at 360-249-4628 prior to treatment.  | 3 |
| Wye                    | Western toad.  | Avoid treatment. Consult with WDFW region if treatment necessary for noxious weeds. Contact Region 6 office at 360-249-4628.   |   |
| <b>Kittitas County</b> |  |  |   |
| Fio Rito               | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round - Located within Wildlife Area access lands. Please coordinate with regional Wildlife Program Manager 509-457-9313.   |   |

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| Lavender                | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round - Located within Wildlife Area access lands. Please coordinate with regional Wildlife Program Manager 509-457-9313.  |      |
| Mattoon                 | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round - Located within Wildlife Area access lands. Please coordinate with regional Wildlife Program Manager 509-457-9313.  |      |
| Wild Duck               | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round as needed.   |      |
| <b>Klickitat County</b> |  |   |      |
| Celilo                  | All mainstem Columbia populations of threatened and endangered salmonids upstream of Klickitat River, Bald Eagle, shorebird concentrations, waterfowl concentration, Western grebe, Great Blue Heron rookeries.                  | July 15 - December 31. Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 5 office at 360-696-6211 to determine how to minimize disturbance of nesting herons. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3 |
| Columbia River          | All mainstem Columbia populations of threatened and endangered salmonids, Bald Eagle, shorebird concentrations, waterfowl concentration, Western grebe, Great Blue Heron rookeries.  | July 15 - December 31. Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 5 office at 360-696-6211 to determine how to minimize disturbance of nesting herons. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3 |

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| Horsethief          | All mainstem Columbia populations of threatened and endangered salmonids upstream of Klickitat River, Bald Eagle, waterfowl concentration, Great Blue Heron rookeries.                      | July 15 - December 31. Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 5 office at 360-696-6211 to determine how to minimize disturbance of nesting herons. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3    |
| Spearfish           | All mainstem Columbia populations of threatened and endangered salmonids upstream of Klickitat River, Bald Eagle, waterfowl concentration, Great Blue Heron rookeries, Pacific pond turtle. | July 15 - December 31. Through July 31, stay 1,000 feet from heron rookeries, or consult with WDFW Region 5 office at 360-696-6211 to determine how to minimize disturbance of nesting herons. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3, 7 |
| <b>Lewis County</b> |   |   |         |
| Carlisle            | Cowlitz River Coho and steelhead in lake outlet, Gheer Creek, potentially in lake, Bald Eagle.  | July 15 - December 31. If you observe nesting Bald Eagle, contact Region 5 office at 360-696-6211 prior to treatment.   |         |
| Chehalis River      | Anadromous salmonids, wetland bottoms support large wintering waterfowl concentrations and cavity-nesting ducks.  | July 15 - October 31.   | 1       |
| Clear               |   | Year-round as needed.   |         |
| Leisure Times       |   | Year-round as needed.   |         |
| Mayfield            | Coho, fall Chinook, fall chum, rainbow trout, spring Chinook, winter steelhead, Bald Eagle.   | July 15 - December 31. If you observe nesting Bald Eagle, contact Region 5 office at 360-696-6211 prior to treatment.   |         |
| Plummer             |   | Large mouth bass present. Consider treating after July 15.  |         |
| Riffe               | Coho, fall Chinook, fall chum, spring Chinook, winter steelhead, Bald Eagle, cavity-nesting ducks, Western toad.  | July 15 - December 31. If you observe nesting Bald Eagle, contact Region 5 office at 360-696-6211 prior to treatment.   | 1       |

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| Swofford Pond         | Coho, Chinook, Bald Eagle, cavity-nesting ducks, Pileated Woodpecker, waterfowl concentration. | July 15 - December 31. If you observe nesting Bald Eagle, contact Region 5 office at 360-696-6211 prior to treatment.   | 1 |
| <b>Lincoln County</b> |  |   |   |
| Roosevelt             | Anadromous salmonids, burbot, whitefish, Bald Eagle, waterfowl concentrations.                 | Avoid treatment outside of National Park Service swimming area. Aquatic macrophytes are very limited and are important habitat for fish species. If treatment necessary for noxious weeds, avoid treatment in summer months to protect burbot. If you observe nesting Bald Eagle, contact Region 1 office at 509-892-1001 prior to treatment. |   |
| <b>Mason County</b>   |  |   |   |
| Anderson              |  | Year-round as needed.   |   |
| Arrowhead             |  | Year-round as needed.   |   |
| Big Timber            |  | Year-round as needed.   |   |
| Fawn                  | Resident cutthroat.  | Year-round as needed.   |   |
| Haven                 | Coho, resident cutthroat, winter steelhead.  | June 15 - August 15   |   |
| Isabella              | Coho, fall chum, resident cutthroat, winter steelhead, common loon, Bald Eagle.                | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 6 office at 360-249-4628. If you observe nesting Bald Eagle, contact Region 6 office prior to treatment.  | 4 |
| Island                |  | Large mouth bass present. Consider treating after July 15.  |   |
| Leprechaun            |  | Year-round as needed.   |   |
| Limerick              | Coho.  | July 15 - December 31.  |   |
| Little Timber         |  | Year-round as needed.   |   |
| Mason                 | Coho, fall chum, Kokanee, rainbow trout, resident cutthroat, summer chum, winter steelhead.    | July 15 - December 31.  |   |
| Rainbow               |  | Year-round as needed.   |   |
| Sandy                 |  | Year-round as needed.   |   |
| Spencer               |  | Large mouth bass present. Consider treating after July 15.  |   |
| Star                  |  | Year-round as needed.   |   |

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| Trails End             |  | Year-round as needed.  |      |
| <b>Okanogan County</b> |  |  |      |
| Coconully              | Rainbow trout, spring Chinook, summer steelhead, westslope cutthroat, Bald Eagle, cavity nesting ducks, golden eagle, common loon, red-necked grebe.     | July 15 - December 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 2 office at 509-754-4624. If you observe nesting Bald Eagle, contact Region 2 office prior to treatment. | 1, 4 |
| Okanogan River         | Anadromous salmonids.  | July 15 - December 31.   |      |
| Osoyoos                | Pygmy whitefish, rainbow trout, sockeye, spring Chinook, summer Chinook, summer steelhead, Bald Eagle, cavity-nesting ducks, Western grebe, common loon. | July 15 - December 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 2 office at 509-754-4624. If you observe nesting Bald Eagle, contact Region 2 office prior to treatment. | 1, 4 |
| Palmer                 | Kokanee, rainbow trout, cavity-nesting ducks, common loon, red-necked grebe, silver bordered fritillary.   | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance.  | 1, 4 |
| Pearrygin              | Common loon.   | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 2 office at 509-754-4624 to determine ways to minimize disturbance.  | 4    |
| Whitestone             | Bald Eagle, red-necked grebe.  | July 15 - December 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 2 office at 509-754-4624. If you observe nesting Bald Eagle, contact Region 2 office.                    | 1, 3 |
| <b>Pacific County</b>  |  |  |      |
| Black                  |  | Large mouth bass present. Consider treating after July 1.  |      |

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| Loomis                     |   | Large mouth bass present.<br>Consider treating after July 1.  |      |
| <b>Pend Oreille County</b> |   |   |      |
| Bead                       | Burbot, pygmy whitefish.  | Avoid treatment. Aquatic macrophytes are very limited and are important habitat for fish species. If treatment necessary for noxious weeds, avoid treatment in summer months to protect burbot, otherwise, consult with WDFW Region 1 office at 509-892-1001 to discuss mitigation. |      |
| Campbell Pond              |   | Year-round, as needed   |      |
| Davis                      | Kokanee, rainbow trout, westslope cutthroat, spotted sandpiper.                               | June 1 - December 31. Treat camp area in May if necessary   |      |
| Diamond                    | Pygmy whitefish, rainbow trout, common loon, red-necked grebe, Bald Eagle, spotted sandpiper. | Treat after June 1. Stay 500' away from grebe nursery pools July 15 to Sept. 1 or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.  | JJ   |
| Fan                        | Waterfowl concentration.  | Year-round as needed. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.  |      |
| Horseshoe                  | Kokanee (fall spawning).  | July 1 - August 31.   |      |
| Little Spokane River       | Native redband trout, rainbow trout, mountain whitefish, Kokanee, Great Blue Heron rookery.   | August 1 - September 1.   | 3    |
| Marshall                   |   | Year-round as needed.   |      |
| Millpond                   | Pygmy whitefish, bull trout, Kokanee, rainbow trout, westslope cutthroat, common loon.        | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001.   | 4    |
| Nile                       | Rainbow trout, westslope cutthroat, cavity-nesting ducks, common loon.                        | Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001.  | 1, 4 |

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| Pend Oreille River   | Mountain whitefish, bull trout.                | July 15 - December 31.   |      |
| Sacheen              |  | Year-round as needed. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance. |      |
| Wilderness           |  | Year-round as needed.  |      |
| <b>Pierce County</b> |  |  |      |
| Arrowhead            |  | Year-round as needed.  |      |
| Bay                  | Waterfowl concentration, Pacific pond turtle.  | Avoid treatment. If treatment necessary for noxious weeds, consult with WDFW Region 6 office at 360-249-4628.  | 1, 7 |
| Bonney               | Great Blue Heron, waterfowl concentration.     | Through July 31, stay 1,000 feet away from Great Blue Heron rookery, or consult with WDFW Region 6 office at 360-249-4628 to determine ways to minimize disturbance of nesting herons.   | 1, 3 |
| Clear                | Waterfowl concentration, common loon.          | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 6 office at 360-249-4628 to determine ways to minimize disturbance.          | 1, 4 |
| Debra Jane           |  | Year-round as needed.  |      |
| Florence             | Waterfowl concentration.                       | Year-round as needed.  | 1    |
| Gravelly             | Waterfowl concentration.                       | Year-round as needed.  | 1    |
| Harts                | Chinook, Coho, chum, sockeye, pink, steelhead. | July 15 - December 31.   |      |
| Hidden               |  | Year-round as needed.  |      |
| Josephine            | Waterfowl concentration.                       | Year-round as needed.  | 1    |
| Kapowsin             |  | Year-round as needed.  |      |
| Lakes at Gig Harbor  |  | Year-round as needed.  |      |
| Lakeside Landing     |  | Year-round as needed.  |      |
| Louise               |  | Large mouth bass present. Consider treating after July 1.  |      |
| Minterwood           |  | Year-round as needed.  |      |

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| Ohop                 | Coho, pink, resident cutthroat, sockeye, winter steelhead, Bald Eagle, waterfowl concentration.                 | July 15 - December 31. If you observe nesting Bald Eagle, contact WDFW Region 6 office at 360-249-4628.   | 1    |
| Palmer               |   | Year-round as needed.   |      |
| Serene               |   | Year-round as needed.   |      |
| Spanaway             | Winter steelhead, waterfowl concentration.  | July 15 - December 31.  | 1    |
| Steilacoom           | Coho, rainbow trout, resident cutthroat, summer chum, winter chum, winter steelhead, waterfowl concentration.   | June 15 - December 31.  | 1    |
| Sunset               | Cutthroat   | Year-round as needed  |      |
| Sylvia               |   | Year-round as needed.   |      |
| Tanwax               | Coho, Kokanee, resident cutthroat, winter steelhead, waterfowl concentration, wood duck, common loon.           | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 6 office at 360-249-4628 to determine ways to minimize disturbance. | 1, 4 |
| Tapps                |   | Large mouth bass present. Consider treating after July 1.   |      |
| Tule                 | Coho, resident cutthroat, winter steelhead, waterfowl concentration, wood duck.                                 | July 15 - December 31.  | 1    |
| Wapato               | Waterfowl concentration.  | Year-round as needed.   |      |
| Waughop              | Waterfowl concentration.  | Year-round as needed.   | 1    |
| Whitman              | Chinook, Coho, chum, sockeye, pink, steelhead.  | July 15 - December 31.  |      |
| <b>Skagit County</b> |   |   |      |
| Beaver               | Coho, resident cutthroat, waterfowl concentration.  | July 15 - December 31.  | 1    |
| Big                  | Coho, bull trout, resident cutthroat, summer steelhead, winter steelhead, waterfowl concentration, common loon. | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 4 office at 425-115-1311 to determine ways to minimize disturbance. | 1, 4 |
| Campbell             |   | Large mouth bass present. Consider treating after July 1.   |      |

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| Clear                          | Coho, resident cutthroat, trumpeter swan, waterfowl concentration, common loon.  | July 15 - December 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult with WDFW Region 4 office at 425-115-1311 to determine ways to minimize disturbance.  | 1, 4 |
| Erie                           |  | Year-round as needed.  |      |
| Heart                          | Resident cutthroat, waterfowl concentration.   | Year-round as needed.  | 1    |
| McMurray                       | Coho.  | July 15 - December 31.   |      |
| Sixteen                        | Resident cutthroat, waterfowl concentration.   | Year-round as needed.  | 1    |
| Skagit County Drainage Ditches |  | Year-round as needed.  |      |
| <b>Skamania County</b>         |  |  |      |
| Coldwater                      |  | Year-round as needed.  |      |
| Columbia River                 | Anadromous salmonids, Bald Eagle, shorebird concentrations, waterfowl concentration, Western greb, Great Blue Heron rookeries.                   | July 15 - December 31. Through July 31, stay 1,000 feet from Great Blue Heron rookeries, or consult WDFW Region 5 office at 360-696-6211. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3 |
| Drano                          | Coho, fall Chinook, sockeye, summer steelhead, winter steelhead, Bald Eagle, waterfowl concentration, Western grebe, Great Blue Heron rookeries. | July 15 - December 31. Through July 31, stay 1,000 feet from Great Blue Heron rookeries, or consult WDFW Region 5 office at 360-696-6211. If you observe nesting Bald Eagle, contact Region 5 office prior to treatment. | 1, 3 |
| <b>Snohomish County</b>        |  |  |      |
| Cherry Pond                    |  | Year-round as needed.  |      |
| Crystal                        | Resident cutthroat, waterfowl concentration.   | July 15 - August 1 (unless there is no discharge from the lake to Daniels Creek and no discharge is expected within two weeks after treatment).  | 1    |
| Daniels Creek                  | Coho.  | July 15 - August 1.  |      |
| Goodwin                        |  | Large mouth bass present. Consider treating after July 1.  |      |

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| Hilton                |  | Year-round as needed.  |      |
| Ketchum               |  | Large mouth bass present.<br>Consider treating after July 1.   |      |
| Goodwin               |  | Year-round as needed.  |      |
| Mill Creek            | Chinook, Coho, chum.   | July 15 - December 31.   |      |
| Nina                  |  | Year-round as needed.  |      |
| Pioneer Trails Ponds  |  | Year-round as needed.  |      |
| Roesiger              | Chinook, Coho, chum, sockeye,<br>pink, steelhead, bull trout.                            | July 15 - December 31.   |      |
| Serene                |  | Year-round as needed.  |      |
| Shoecraft             |  | Year-round as needed.  |      |
| Silver                | Waterfowl concentration.   | Large mouth bass present.<br>Consider treating after July 1.   |      |
| Stevens               | Coho   | July 15 - December 31  |      |
| Swartz                |  | Year-round as needed.  |      |
| <b>Spokane County</b> |  |  |      |
| Amber                 |  | June 1 - December 31   |      |
| Badger                |  | June 1 - December 31   |      |
| Browns                |  | Year-round as needed.  |      |
| Clear                 | Rainbow trout, waterfowl<br>concentration, common loon,<br>red-necked grebe.             | July 15 - December 31. Stay 500'<br>away from loon and grebe<br>nursery pools July 15 - Sept 1,<br>or consult with WDFW Region 1<br>office at 509-892-1001 to determine<br>ways to minimize disturbance. | 1, 4 |
| Eloika                | Great Blue Heron rookery,<br>Townsend's big-eared bat colony,<br>tundra swan, wood duck. | Through July 31, stay 1,000 feet<br>from Great Blue Heron rookeries,<br>or consult with WDFW Region 1<br>office at 509-892-1001. Large<br>mouth bass present. Consider<br>treating after July 1.         | 1, 3 |
| Liberty               | Walleye, waterfowl concentration,<br>red-necked grebe.                                   | Stay 500' away from grebe<br>nursery pools July 15 - Sept 1,<br>or consult with WDFW Region 1<br>office at 509-892-1001 to determine<br>ways to minimize disturbance.                                    | 1, 4 |

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| Medical                                      | Columbia spotted frog.  | Avoid treatment. If treatment necessary for control of noxious weeds, then consult with WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at 509-892-1001.                    | 2 |
| Newman                                       | Rainbow trout, walleye, red-necked grebe, upland sandpiper.                       | Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance. Large mouth bass present. Consider waiting until July 1.      | 4 |
| Silver                                       | Rainbow trout, waterfowl concentration.   | Large mouth bass present. Consider treating after July 1.  | 1 |
| Spokane Canal (Lake) -<br><i>Spokane Arm</i> | Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe. | Year-round as needed in canal  |   |
| Spokane (also in Stevens)                    | Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe. | June 15 - September 30. Survey for and identify grebe nesting and nursery areas before treatment. Consult with WDFW habitat biologists Region 1 office at 509-892-1001 before surveying. Stay 500 feet away from nesting grebes. |   |
| <b>Stevens County</b>                        |   |  |   |
| Black  | Rainbow trout, red-necked grebe.  | August 1 - December 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.                                       | 4 |
| Deer   | Kokanee, common loon, red-necked grebe.   | August 1 - December 31, or consult with WDFW Region 1 office at 509-892-1001. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1.   | 4 |

|                                    |   |  |      |
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| Gillette                           | Red-necked grebe.   | Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.  | 4    |
| Heritage                           | Westslope cutthroat, cavity-nesting ducks, waterfowl concentration, red-necked grebe. | August 1 - December 31.  | 1, 4 |
| Little Pend Oreille Chain of Lakes | <i>see Gillette, Heritage, Sherry, Thomas.</i>  | Year-round as needed. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.   |      |
| Long                               | Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe.     | June 15 - September 30. Survey for and identify grebe nesting and nursery areas before treatment. Consult with WDFW habitat biologists Region 1 office at 509-892-1001 before surveying. Stay 500 feet away from nesting grebes. |      |
| Loon                               | Kokanee, common loon, red-necked grebe.   | August 1 - December 31, or consult with WDFW Region 1 office at 509-892-1001. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1.   | 4    |
| Sherry                             | Red-necked grebe.   | Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.  | 4    |
| Thomas                             | Red-necked grebe.   | Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult with WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance.  | 4    |
| Waitts                             | Rainbow trout, Bald Eagle, red-necked grebe, common loon.                             | Annually after August 1. If you observe nesting Bald Eagle, contact Region 1 office at 509-892-1001 prior to treatment.  | 4    |
| <b>Thurston County</b>             |   |  |      |
| Barnes                             |   | Year-round as needed.  |      |

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| Beaver         |  | Year-round as needed.  |         |
| Black River    | Coho, resident cutthroat, coastal cutthroat, red band trout, Chinook, winter steelhead, Columbia spotted frog. | Avoid treatment. If treatment necessary to control noxious weeds, consult with WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 6 office at 360-249-4628. | 2       |
| Blue           |  | Year-round as needed.  |         |
| Chambers       | Wood duck.   | Year-round as needed.  | 1       |
| Chehalis River | Coho, resident cutthroat, coastal cutthroat, red band trout, Chinook, winter steelhead.                        | July 15 - December 31.   |         |
| Clear          | Hatchery rainbow, Kokanee.   | Large mouth bass present. Consider treating after July 1.  |         |
| Deep           | Coho, coastal cutthroat, winter steelhead, hatchery rainbow, wood duck, Olympic mudminnow.                     | July 15 - December 31  | 1       |
| Elbow          | Wood duck, common loon.  | July 15 - December 31. Also, stay 500' away from loon nursery pools July 15 - Sept 1, or contact WDFW Region 6 office at 360-249-4628 to determine ways to minimize disturbance.                     | 1, 4    |
| Hicks          | Hatchery rainbow, wood duck.   | Large mouth bass present. Consider treating after July 1.  | 1       |
| Horseshoe      |  | Year-round as needed.  |         |
| Ken            |  | Year-round as needed.  |         |
| Lawrence       | Hatchery rainbow, waterfowl concentration.   | Year-round as needed.  |         |
| Lois           | Coho, resident cutthroat, anadromous cutthroat, winter steelhead, wood duck.                                   | July 15 - December 31.   | 1       |
| Long           | Coho, resident cutthroat, anadromous cutthroat, winter steelhead, wood duck, common loon.                      | July 15 - December 31, or contact WDFW Region 6 office at 360-249-4628. Also, stay 500' away from loon nursery pools July 15 - Sept 1.   | 1, 3, 4 |
| Longs Pond     | Wood duck.   | Year-round as needed.  | 1       |
| Lost Lake      |  | Year-round as needed.  |         |
| Lucinda        |  | Year-round as needed.  |         |

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| Munn                          | Wood duck.   | Large mouth bass present.<br>Consider treating after July 1.   | 1    |
| Offut                         | Wood duck, Great Blue Heron,<br>Bald Eagle.  | Through July 31, stay 1,000 feet<br>from Great Blue Heron rookeries,<br>or contact WDFW Region 6 office<br>at 360-249-4628. If you observe<br>nesting Bald Eagle, contact<br>Region 6 office prior to treatment. | 1, 3 |
| Pattison                      | Coho, resident cutthroat,<br>anadromous cutthroat, winter<br>steelhead, waterfowl concentration,<br>wood duck, common loon,<br>Bald Eagle. | July 15 - December 31. Stay 500'<br>away from loon nursery pools<br>July 15 - Sept 1, or contact WDFW<br>Region 6 office at 360-249-4628.  | 1, 4 |
| Scott                         | Coho, coastal cutthroat trout,<br>hatchery rainbow, wood duck.   | July 15 - December 31  | 1    |
| Serene                        |  | Year-round as needed.  |      |
| Skyview                       |  | Year-round as needed.  |      |
| Sunwood Lakes                 |  | Year-round as needed.  |      |
| Susan                         |  | Year-round as needed.  |      |
| Trails End                    |  | Year-round as needed.  |      |
| <b>Wahkiakum County</b>       |  |  |      |
| Brooks Slough                 | Anadromous salmonids,<br>cavity-nesting ducks, waterfowl<br>concentration, western toad.   | July 15 - December 31.   | 1    |
| Columbia River                | Anadromous salmonids.  | July 15 - December 31.   |      |
| <b>Whatcom County</b>         |  |  |      |
| Birch Bay Village Lake System |  | Year-round as needed.  |      |
| Silver                        | Rainbow trout, resident cutthroat.   | Year-round as needed.  |      |
| Terrell                       | Possible chum,<br>Coho, resident cutthroat.  | July 15 - December 31.   |      |
| Whatcom                       | Kokanee, resident cutthroat.   | July 15 - December 31.   |      |
| <b>Whitman County</b>         |  |  |      |
| Bryan                         |  | Year-round as needed.  |      |

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| Lower Granite        | Bull trout, fall Chinook, rainbow trout, sockeye, spring Chinook, summer steelhead, westslope cutthroat, white sturgeon, waterfowl concentration, Columbia River tiger beetle, Shepard's Parnassian, Great Blue Heron.           | July 1 - December 31, but avoid treatment Sept 15 - Nov 15. Through July 31, stay 1,000 feet from Great Blue Heron rookeries, or call WDFW Region 1 office at 509-892-1001 to determine ways to minimize disturbance of nesting herons. | 1, 3, 6 |
| Snake River          | Anadromous salmonids.  | Year-round as needed.   |         |
| <b>Yakima County</b> |  |   |         |
| Aspen                | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round as needed.   |         |
| Byron Ponds          | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Within WDFW Wildlife Area - Please coordinate control with WDFW Regional Wildlife Program Manager 509-457-9313. Noxious weeds continue to be limiting factor to fish and wildlife habitat.  |         |
| Dog                  | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Year-round as needed to preclude establishment of exotic invasive weeds where none previously existed.  |         |
| Giffin               | Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site. | Within WDFW Wildlife Area - Please coordinate control with WDFW Regional Wildlife Program Manager 509-457-9313. Noxious weeds continue to be limiting factor to fish and wildlife habitat.  |         |

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| <p>Unnamed ponds at 12N-19E-20</p>   | <p>Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site.</p> | <p>Year-round as needed.</p>  |          |
| <p>Willow</p>  | <p>Although shorebirds, raptors, waterfowl, and stocked game fish are present and provide important recreational opportunity, threatened and endangered species are not noted as being present or only occasionally visit the site.</p> | <p>Year-round as needed.</p>  |          |
| <p>Yakima River</p>  | <p>Anadromous salmonids spring Chinook, summer steelhead, sockeye, Coho, fall Chinook.</p>  | <p>July 15 - December 31.<br/>Attempt to avoid spring months when waterfowl and shorebirds are on nests or have young. Through July 15, stay 1,000 feet from Great Blue Heron rookeries, Bald Eagle nests, or contact WDFW Region 3 office at 509-457-9304 to determine ways to minimize disturbance to nesting herons or eagles.</p> | <p>3</p> |
| <p style="text-align: center;"><b>* Priority species known occurrence:</b><br/>This column lists species on WDFW's Priority Habitats and Species List that are known to occupy the water body. This information, in conjunction with PHS Management Recommendations and review of WDFW biologists, was used to develop the treatment windows. The PHS List and Management Recommendations can be found online at: <a href="http://wdfw.wa.gov/conservation/phs/">http://wdfw.wa.gov/conservation/phs/</a>.</p> |   |   |          |
| <p style="text-align: center;"><b>NOTES</b> (Source: WDFW Priority Habitats and Species management recommendations, <a href="http://wdfw.wa.gov/conservation/phs/">http://wdfw.wa.gov/conservation/phs/</a>)</p>   |   |   |          |
| <p style="text-align: center;"><b>1. Cavity nesting ducks and Waterfowl concentrations:</b><br/>The use of herbicides in or near wetlands may adversely affect ducks and waterfowl by removing aquatic vegetation. Waterfowl concentrations are also subject to disturbance from human activity.</p>   |   |   |          |
| <p style="text-align: center;"><b>2. Columbia spotted frog and Northern leopard frog:</b><br/>Avoid using herbicides or algaecides in, or adjacent to, water bodies used by these frogs. Algae, which is eaten by tadpoles, should not be removed or treated in wetlands where these frogs occur.</p>  |   |   |          |

**3. Great Blue Heron (rookeries) and nesting Bald Eagles:**

Heron rookeries are sensitive to disturbance during nesting season (generally to July 31). Nesting eagles are most sensitive to disturbance Feb 1 - April 15.

They are establishing territories and beginning incubation at this time. The chicks typically hatch in mid to late April.

The young typically fledge (leave the nest) in mid July. At that time, just before fledging, they are vulnerable and can be frightened off the nest before they are able to fly.

Disturbance by the physical act of herbicide application could be of concern during these times.

**4. Common loon and Red-necked grebe:**

Sensitive to nest and nursery disturbance. Nesting occurs through July 15th, followed by brood rearing in nursery pools through Sept 1.

"Nursery pools" are where chicks feed and are reared. Chicks swim to the nursery pool within days after hatching. They are usually located at water's edge where the lake bottom drop off is steep enough to allow underwater arrival and departure for adults, but pool depth shallow enough to limit predator size.

**5. American white pelican:**

Avoid using herbicides in American white pelican nesting habitat.

**6. Yuma skipper and Shepard's Parnassian:**

Aerial and roadside spraying for weeds eliminates many butterfly host plants.

**7. Pacific (western) pond turtle:**

Consult with WDFW before applying herbicides or algaecides in areas where western pond turtles are known to occur.