

Recommended Fish and Wildlife Treatment Windows for Aquatic Plant and Algae Management Permit

Source: Washington State Department of Fish and Wildlife (WDFW), February 2016

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 WDFW to determine ways to minimize or mitigate treatment impacts to fish and wildlife. Contact your 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 31. If you need to treat outside this window, Ecology and the permittee must consult WDFW to determine an alternate timing window or if priority species are present, potential species impacts and appropriate mitigation.

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Adams County			
Herman	Rainbow trout	Year-round as needed	
Benton County			
Yakima River	Anadromous salmonids, spring Chinook, summer steelhead, sockeye, coho, fall Chinook	July 15 - Sept 1	
Chelan County			
Cortez	Wood duck	Year-round as needed	
Domke	Rainbow trout	Year-round as needed	
Fish	Rainbow trout, Sandhill crane, Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Peshastin Creek between Ingalls Creek and Mill Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Skinney Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Clallam County			
Pleasant	Sockeye (beach spawning and rearing), coho, winter steelhead, rainbow trout, kokanee, cutthroat trout, Chinook	Consult 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 WDFW Region 6 office, (360) 249-4628.	
Clark County			
Battleground	Resident trout, bald eagle	July 15 - Dec 31	
Caterpillar Slough	Anadromous salmonids, great blue heron rookeries (nearby)	July 15 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult 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 - Dec 31	1

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Lake River	Chinook, coho, steelhead, cutthroat, bald eagle, waterfowl concentrations, great blue heron rookery	July 15 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons.	1, 3
Vancouver	Coho, fall Chinook, winter steelhead, cutthroat trout, bald eagle, waterfowl concentration, purple martin, great blue heron rookeries, American white pelican	Aug 31 - Dec 31, otherwise, consult WDFW Region 5 office at (360) 696-6211 to determine ways to minimize disturbance to sensitive bird species.	1, 3, 5
Columbia County			
Touchet River (NF, SF, Robinson Fork) upstream of Dayton	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
Cowlitz County			
Kress	Threatened coho and steelhead in adjacent tributaries to Kalama River, cavity-nesting ducks	July 1 - Dec 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	
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 tributary to SE corner of lake	July 15 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons.	1, 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 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons.	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 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons.	1, 3
Ferry County			
Curlew	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Franklin County			
Herbert G. West, Snake River	Anadromous salmonids, burbot, whitefish, bald eagle, waterfowl concentrations	July 1 - Dec 31, also avoid treatment Sept 15 - Nov 15.	1, 3
Sacajawea	Salmonids, including endangered fall Chinook	July 15 - Dec 31 (juvenile salmonids out-migration), but avoid Sept 15 - Nov 15 (returning and spawning listed adult salmonids).	
Scootenev 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	

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Grant County			
Babcock Ridge		Year-round as needed	
Billy Clapp	Kokanee, rainbow trout, walleye, waterfowl concentration	July 15 - Dec 31.	1
Brook	American white pelican	Aug 31 - Dec 31, otherwise, consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance to sensitive bird species.	5
Blue	Rainbow trout, waterfowl concentration	July 15 - Dec 31.	1
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	
Crab Creek between Stratford Rd NE and Cannawai Creek	American white pelican, Western grebe, Clark's grebe	Aug 31 - Dec 31, otherwise, consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance to sensitive bird species.	5
Crab Creek between City of Moses Lake and Stratford	Northern leopard frog	Avoid treatment; if treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog and Northern leopard frog.	2
Evergreen Reservoir	Waterfowl concentration	Year-round as needed	1
Moses	Rainbow trout, walleye, American white pelican, bald eagle, Clark's grebe, long-billed curlew, shorebird & waterfowl concentrations, tundra swan, Western grebe, common loon	Aug 31 - Dec 31, otherwise, consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance to sensitive bird species.	1, 4, 5
Park	Rainbow trout, waterfowl concentration, Yuma skipper	July 15 - Dec 31.	1, 6
Potholes Reservoirs	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 is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Northern leopard frog.	1, 2, 3, 4, 5
Priest Rapids	Anadromous salmonids	July 15 - Dec 31	
Quincy	Waterfowl concentration	Year-round as needed	
Rocky Ford Creek		Year-round as needed	
Stan Coffin	Waterfowl concentration	Year-round as needed	1
Unnamed potholes at Frenchman, Frenchman Hills, Dodson No 1 - 4		Year-round as needed	
Winchester Wasteway	Waterfowl concentration, Western grebe, Clark's grebe	Aug 1-Dec 31	

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Grays Harbor County			
Duck Island	Waterfowl concentration	April 1 - Sept 30	1
Lone Smith Star		Year-round as needed	
Island County			
Lone Smith	Coho Resident cutthroat	Year-round as needed	
Jefferson County			
Leland	Coho, resident cutthroat, trumpeter swan, waterfowl concentration	Avoid treatment. Consult WDFW Region 6 office at (360) 249-4628 if treatment is necessary for noxious weeds	1
King County			
Alice		Year-round as needed	
Aqua Vista Pond		Year-round as needed	
Bass		Year-round as needed	
Beaver	Resident cutthroat, waterfowl concentration	Year-round as needed	
Calligan	Common loon	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 4 at (425) 775-1311 to determine ways to minimize disturbance.	4
Clyde Loch Lagoon		Year-round as needed	
Cottage	Coho, fall Chinook, resident cutthroat, sockeye, waterfowl concentration	Year-round as needed	
Eagle	Common loon	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 4 at (425) 775-1311 to determine ways to minimize disturbance.	4
Fenwick		Largemouth bass present. Consider treating after July 15.	
Geneva		Year-round as needed	
Jeanne		Year-round as needed	
Kathleen		Year-round as needed	
Lake at Kent		Year-round as needed	
Lake at Mercer Island		Year-round as needed	
Lorene		Year-round as needed	
Lucerne*		Year-round as needed	
Marcel		Year-round as needed	
Mirror		Year-round as needed	
North*	Waterfowl concentration	Year-round as needed	

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Phantom	Great blue heron	Through July 31: Stay 1,000' from heron rookeries, or consult WDFW Region 4 at (425) 775-1311 to determine how to minimize disturbance of nesting herons. Largemouth bass present. Consider treating after July 15.	3
Pipe		Year-round as needed	
Ponce De Leon		Year-round as needed	
River Mobile Estates		Year-round as needed	
Sammamish	Chinook, coho, steelhead, sockeye, bull trout	Less than 1/2 mile of Issaquah Creek: July 16 - July 31. Greater than 1/2 mile of Issaquah Creek: July 16 - Dec 31. Additional work window restrictions apply for sockeye spawning areas. In areas scattered along Lake Sammamish's shoreline the treatment window is July 16 -Sept 30. Call WDFW habitat biologist, for information concerning these treatment windows at (425) 313-5681.	
Sawyer	Coho, steelhead	July 15 - Dec 31	
Shady		Year-round as needed	
Star		Year-round as needed	
Twelve		Year-round as needed	
Union		Use timing for the Lake Washington Ship Canal.	
Washington, I-90 to SR 520	Anadromous salmonids	July 15 - Dec 31	
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.	
Washington Ship Canal	Anadromous salmonids	From Chittenden Locks to the east end of the Mountlake cut: Oct 1 - April 15.	
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.	
Washington	Chinook, coho, sockeye, steelhead, bull trout	General: July 15 - Dec 31. 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 Sept 30 for these areas. Call WDFW for further information at (425) 313-5681.	
Wilderness	Waterfowl concentration, common loon	July 15 - Dec 31. Stay 500' away from loon nursery pools to Sept 1, or consult WDFW Region 4 office at (425) 775-1311.	1, 4
Winterwood		Year-round as needed	
Kitsap County			
Horseshoe		Year-round as needed	
Island	Great blue heron rookery, bald eagle	Through July 31: Stay 1,000' from heron rookeries, or consult WDFW Region 6 office at (360) 249-4628 to determine how to minimize disturbance of nesting herons. If nesting bald eagle observed, contact Region 6 office prior to treatment.	3
Kitsap	Coho, resident cutthroat, winter steelhead, breeding and wintering waterfowl	Avoid treatment. Consult WDFW region if treatment is 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 - Dec 31	1

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Mission	Coho, resident cutthroat	Year-round as needed	
Tahuya	Coho, bald eagle	July 15 - Dec 31. If nesting bald eagle observed, contact Region 6 office at (360) 249-4628 prior to treatment.	3
Wye	Western toad	Avoid treatment. Consult WDFW region if treatment is necessary for noxious weeds. Contact Region 6 office at (360) 249-4628.	
Kittitas County			
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	If treatment is near Wildlife Area access lands please coordinate with regional Wildlife Program Manager (509) 457-9313.	
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	If treatment is near Wildlife Area access lands please coordinate with regional Wildlife Program Manager (509) 457-9313.	
Lmuma/Squaw Creek between SR 82 and Yakima River	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 3 office at (509) 457-9314.	2
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	If treatment is near 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	July 1 – Aug 31	
Klickitat County			
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 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons. If nesting bald eagle observed, contact Region 5 office prior to treatment.	1, 3, 4
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 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons. If nesting bald eagle observed, contact Region 5 office prior to treatment.	1, 3, 4
Conboy	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 5 at (360) 696-6211 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Horsethief	All mainstem Columbia populations of threatened and endangered salmonids upstream of Klickitat River, bald eagle, waterfowl concentration, great blue heron rookeries	July 15 - Dec 31. Through July 31, stay 1,000' from heron rookeries, or consult WDFW Region 5 office at (360) 696-6211 to determine how to minimize disturbance of nesting herons. If nesting bald eagle observed, contact Region 5 office prior to treatment.	1, 3

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Spearfish	All mainstem Columbia populations of threatened and endangered salmonids upstream of Klickitat River, bald eagle, waterfowl concentration, great blue heron rookeries, within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211.	1, 3, 7
Threemile Creek	Within masked area for Pacific pond turtle.	Consult WDFW Region 5 office at (360) 696-621.	7
Trout, Trout Lake Creek	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 5 at (360) 696-6211 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
<i>Lewis County</i>			
Carlisle	Cowlitz River Coho and steelhead in lake outlet, Gheer Creek, potentially in lake, bald eagle	July 15 - Dec 31. If nesting bald eagle observed, contact Region 5 office at (360) 696-6211 prior to treatment.	3
Chehalis River	Anadromous salmonids, wetland bottoms support large wintering waterfowl concentrations and cavity-nesting ducks	July 15 – Oct 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 - Dec 31. If nesting bald eagle observed, contact Region 5 office at (360) 696-6211 prior to treatment.	3
Riffe	Coho, fall Chinook, fall chum, spring Chinook, winter steelhead, bald eagle, cavity-nesting ducks, Western toad	July 15 - Dec 31. If nesting bald eagle observed, contact Region 5 office at (360) 696-6211 prior to treatment.	1, 3
Swofford Pond	Coho, Chinook, bald eagle, cavity-nesting ducks, pileated woodpecker, waterfowl concentration	July 15 - Dec 31. If nesting bald eagle observed, contact Region 5 office at (360) 696-6211 prior to treatment.	1, 3
<i>Lincoln County</i>			
Crab Creek Between SR 231 and Bluestem Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
Pacific	American white pelican	Aug 31 - Dec 31, otherwise, consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance to sensitive bird species.	5
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 is necessary for noxious weeds, avoid treatment in summer months to protect burbot. If nesting bald eagle observed, contact Region 1 office at (509) 892-1001 prior to treatment.	1, 3
<i>Mason County</i>			
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 - Aug 15	

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Isabella	Coho, fall chum, resident cutthroat, winter steelhead, common loon, bald eagle	July 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult WDFW Region 6 office at (360) 249-4628. If nesting bald eagle observed, contact Region 6 office prior to treatment.	3, 4
Leprechaun		Year-round as needed	
Limerick	Coho	July 15 - Dec 31	
Little Timber		Year-round as needed	
Mason	Coho, fall chum, Kokanee, rainbow trout, resident cutthroat, summer chum, winter steelhead	July 15 - Dec 31	
Rainbow		Year-round as needed	
Sandy		Year-round as needed	
Star		Year-round as needed	
Trails End		Year-round as needed	
Okanogan County			
Chewuch River between Cub Creek and City of Winthrop	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Coconully	Rainbow trout, spring Chinook, summer steelhead, westslope cutthroat, bald eagle, cavity nesting ducks, golden eagle, common loon, red-necked grebe	July 15 - Dec 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624. If nesting bald eagle observed contact Region 2 office prior to treatment.	1, 4
Lost	Common loon, red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance.	4
Myers Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Okanogan River	Anadromous salmonids	July 15 - Dec 31	
Osoyoos	Pygmy whitefish, rainbow trout, sockeye, spring Chinook, summer Chinook, summer steelhead, bald eagle, cavity nesting ducks, Western grebe, common loon	July 15 - Dec 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624. I If nesting bald eagle observed contact Region 2 office prior to treatment.	1, 3, 4
Palmer	Kokanee, rainbow trout, cavity-nesting ducks, common loon, red-necked grebe, silver bordered fritillary, American white pelican	Aug 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbances to sensitive bird species.	1, 4, 5
Pearrygin	Common loon	July 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance.	4
Renshaw Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Sidley	Common loon	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance.	4
Spectacle	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624 to determine ways to minimize disturbance.	4

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Texas Creek	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2
Whitestone	Bald eagle, red-necked grebe	July 15 - Dec 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 2 office at (509) 754-4624. If nesting bald eagle observed contact Region 2 office.	1, 3, 4
Whitestone Creek Between Rat and Rowel Lakes	Columbia spotted frog, red-necked grebe	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 2 office at (509) 754-4624 to determine treatment areas to avoid impacts to Columbia spotted frog.	2, 4
<i>Pend Oreille County</i>			
Bead	Burbot, pygmy whitefish	Avoid treatment. Aquatic macrophytes are very limited and are important habitat for fish species. If treatment is necessary for noxious weeds, avoid treatment in summer months to protect burbot, otherwise, consult 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 - Dec 31. Treat camp area in May if necessary.	
Diamond	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 WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	3, 4
Fan	Waterfowl concentration, red-necked grebe	Year-round as needed. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Horseshoe	Kokanee (fall spawning)	July 1 - Aug 31	
Little Spokane River	Native redband trout, rainbow trout, mountain whitefish, kokanee, great blue heron rookery	Aug 1 - Sept 1	3
Marshall		Year-round as needed	
Millpond	Pygmy whitefish, bull trout, kokanee, rainbow trout, westslope cutthroat, common loon	July 1 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult 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 WDFW Region 1 office at (509) 892-1001.	1, 4
Pend Oreille River	Mountain whitefish, bull trout, Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
Sacheen		Year-round as needed.	
Wilderness		Year-round as needed	
<i>Pierce County</i>			
Arrowhead		Year-round as needed	
Bay	Waterfowl concentration, within masked area for Pacific pond turtle	Consult WDFW Region 6 office at (360) 249-4628.	1, 7

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Bonney	Great blue heron, waterfowl concentration	Through July 31, stay 1,000' away from great blue heron rookery, or consult 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 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult 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	
Gravelly	Waterfowl concentration	Year-round as needed	
Harts	Chinook, coho, chum, sockeye, pink, steelhead	July 15 - Dec 31	
Hidden		Year-round as needed	
Josephine	Waterfowl concentration	Year-round as needed	
Kapowsin		Year-round as needed	
Lakes at Gig Harbor		Year-round as needed	
Lakeside Landing		Year-round as needed	
Minterwood		Year-round as needed	
Ohop	Coho, pink, resident cutthroat, sockeye, winter steelhead, bald eagle, waterfowl concentration	July 15 - Dec 31. If nesting bald eagle observed, contact WDFW Region 6 office at (360) 249-4628.	1, 3
Palmer, Little Palmer	Within masked area for Pacific pond turtle	Consult WDFW Region 6 office at (360) 249-4628.	7
Serene		Year-round as needed	
Spanaway	Oregon spotted frog, winter steelhead, waterfowl concentration	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	1, 2
Steilacoom	Coho, rainbow trout, resident cutthroat, summer chum, winter chum, winter steelhead, waterfowl concentration	June 15 - Dec 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 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult WDFW Region 6 office at (360) 249-4628 to determine ways to minimize disturbance.	1, 4
Tule	Coho, resident cutthroat, winter steelhead, waterfowl concentration, wood duck	July 15 - Dec 31	1
Wapato	Waterfowl concentration	Year-round as needed	
Waughop	Waterfowl concentration	Year-round as needed	
Whitman	Chinook, coho, chum, sockeye, pink, steelhead	July 15 - Dec 31	
Skagit County			
Beaver	Coho, resident cutthroat, waterfowl concentration.	July 15 - Dec 31	1
Big	Coho, bull trout, resident cutthroat, summer steelhead, winter steelhead, waterfowl concentration, common loon	July 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult WDFW Region 4 office at (425) 115-1311 to determine ways to minimize disturbance.	1, 4

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Clear	Coho, resident cutthroat, trumpeter swan, waterfowl concentration, common loon	July 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or consult 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	
McMurray	Coho	July 15 - Dec 31	
Samish River	Oregon spotted frog, winter steelhead, chum, coho, coastal cutthroat	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 4 office at (425) 775-1311 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Sixteen	Resident cutthroat, waterfowl concentration	Year-round as needed	
Skagit County Drainage Ditches		Year-round as needed	
Skamania County			
Berge Reservoir, Berge Creek	Within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211	7
Coldwater		Year-round as needed	
Collins Creek	Within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211	7
Columbia River	Anadromous salmonids, bald eagle, shorebird concentrations, waterfowl concentration, Western grebe, great blue heron rookeries	July 15 - Dec 31. Through July 31, stay 1,000' from great blue heron rookeries, or consult WDFW Region 5 office at (360) 696-6211. If nesting bald eagle observed, contact Region 5 office prior to treatment.	1, 3, 4
Columbia River between Dog Creek and Wind River	Within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211	7
Drano	Coho, fall Chinook, sockeye, summer steelhead, winter steelhead, bald eagle, waterfowl concentration, Western grebe, great blue heron rookeries	July 15 - Dec 31. Through July 31, stay 1,000' from great blue heron rookeries, or consult WDFW Region 5 office at (360) 696-6211. If nesting bald eagle observed, contact Region 5 office prior to treatment.	1, 3, 4
Home	Within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211	7
Martin	Within masked area for Pacific pond turtle	Consult WDFW Region 5 office at (360) 696-6211	7
Snohomish County			
Cherry Pond		Year-round as needed	
Crystal	Resident cutthroat, waterfowl concentration	July 15 - Aug 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 - Aug 1	
Hilton		Year-round as needed	
Goodwin		Year-round as needed	
Mill Creek	Chinook, coho, chum	July 15 - Dec 31	
Nina		Year-round as needed	
Pioneer Trails Ponds		Year-round as needed	
Roesiger	Chinook, coho, chum, sockeye, pink, steelhead, bull trout	July 15 - Dec 31	

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows <i>(Treatment allowable within date range shown, inclusive)</i>	Rationale for non-fish Window <i>(See Notes)</i>
Serene		Year-round as needed	
Shoecraft		Year-round as needed	
Silver	Waterfowl concentration	July 15 - Dec 31	1
Stevens	Coho	July 15 - Dec 31	
Swartz		Year-round as needed	
Spokane County			
Amber		May 1 - Dec 31	
Badger		June 1 - Dec 31	
Browns		Year-round as needed	
Clear	Rainbow trout, waterfowl concentration, common loon, red-necked grebe	July 15 - Dec 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	1, 4
Eloika	Great blue heron rookery, Townsend's big-eared bat colony, tundra swan, wood duck	Through July 31, stay 1,000' from Great Blue Heron rookeries, or consult WDFW Region 1 office at (509) 892-1001.	1, 3
Hog/Hog Canyon Creek between Hog and Fishtrap Lakes	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
Liberty	Walleye, waterfowl concentration, red-necked grebe	Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	1, 4
Medical	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult 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 WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Silver	Rainbow trout, waterfowl concentration	July 15 - Dec 31	1
Spokane Canal (Lake) -Spokane Arm	Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe	Year-round as needed in canal	
Spokane River (also in Stevens)	Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe	June 15 - Sept 30. Survey for and identify grebe nesting and nursery areas before treatment. Consult WDFW habitat biologists Region 1 office at (509) 892-1001 before surveying. Stay 500 feet away from nesting grebes.	4
Stevens County			
Black	Rainbow trout, red-necked grebe	Aug 1 - Dec 31. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Callispel	Western toad	July 15 - Dec 31	
Cedar	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Deep	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Deer	Kokanee, common loon, red-necked grebe	Aug 1 - Dec 31, or consult WDFW Region 1 office at (509) 892-1001. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1.	4
Gillette	Red-necked grebe	Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult 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	Aug 1 - Dec 31	1, 4
Jump off Joe	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	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 WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	
Loe	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Long	Native wild redband trout, burbot, Kokanee, mountain whitefish, red-necked grebe	June 15 - Sept 30. Survey for and identify grebe nesting and nursery areas before treatment. Consult WDFW habitat biologists Region 1 office at (509) 892-1001 before surveying. Stay 500 feet away from nesting grebes.	4
Loon	Kokanee, common loon, red-necked grebe	Aug 1 - Dec 31, or consult WDFW Region 1 office at (509) 892-1001. Stay 500' away from loon and grebe nursery pools July 15 - Sept 1.	4
Mountain Meadows	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Pierre	Common loon	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Phalon	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
Sherry	Red-necked grebe	Stay 500' away from grebe nursery pools July 15 - Sept 1, or consult 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 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 Aug 1. If nesting bald eagle observed, contact Region 1 office at (509) 892-1001 prior to treatment.	3, 4
Williams	Red-necked grebe	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance.	4
Thurston County			
Allen Creek	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Barnes		Year-round as needed	
Beaver Creek	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2

<i>County Lake or other waterbody</i>	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Black River	Oregon spotted frog, coho, resident cutthroat, coastal cutthroat, red band trout, Chinook, winter steelhead,	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Blue Chambers	Wood duck	Year-round as needed	
Chehalis River	Coho, resident cutthroat, coastal cutthroat, red band trout, Chinook, winter steelhead	July 15 - Dec 31	
Deep	Coho, coastal cutthroat, winter steelhead, hatchery rainbow, wood duck, Olympic mudminnow	July 15 - Dec 31	1
Dempsey Creek	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Elbow	Wood duck, common loon	July 15 - Dec 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
Fish Pond Creek (Black Lake trib)	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Hicks	Hatchery rainbow, wood duck	July 15 - Dec 31	
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 - Dec 31	1
Long	Coho, resident cutthroat, anadromous cutthroat, winter steelhead, wood duck, common loon	July 15 - Dec 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	
Lost		Year-round as needed	
Lucinda		Year-round as needed	
Munn	Wood duck	July 15 - Dec 31F	
Offut	Wood duck, great blue heron, bald eagle	Through July 31, stay 1,000' from great blue heron rookeries, or contact WDFW Region 6 office at (360) 249-4628. If nesting bald eagle observed, contact Region 6 office prior to treatment.	1, 3
Pattison	Coho, resident cutthroat, anadromous cutthroat, winter steelhead, waterfowl concentration, wood duck, common loon, bald eagle	July 15 - Dec 31. Stay 500' away from loon nursery pools July 15 - Sept 1, or contact WDFW Region 6 office at 360-249-4628.	1, 3, 4
Salmon Creek	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 6 office at (360) 249-4628 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Scott	Coho, coastal cutthroat trout, hatchery rainbow, wood duck	July 15 - Dec 31	1

County Lake or other waterbody	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Serene		Year-round as needed	
Skyview		Year-round as needed	
Sunwood		Year-round as needed	
Susan		Year-round as needed	
Trails End		Year-round as needed	
Wahkiakum County			
Brooks Slough	Anadromous salmonids, cavity-nesting ducks, waterfowl concentration, western toad	July 15 - Dec 31	1
Columbia River	Anadromous salmonids	July 15 - Dec 31	
Whatcom County			
Black Slough	Oregon spotted frog	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 4 office at (425) 775-1311 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Birch Bay Village Lake System		Year-round as needed	
Samish River	Oregon spotted frog, winter steelhead, chum, coho, coastal cutthroat	Avoid treatment. If treatment is necessary to control noxious weeds, consult WDFW Region 4 office at (425) 775-1311 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Silver	Rainbow trout, resident cutthroat	Year-round as needed	
Sumas River	Oregon spotted frog, chum, coho, winter steelhead, bull trout, Chinook, sockeye, cutthroat	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW Region 4 office at (425) 775-1311 to determine treatment areas to avoid impacts to Oregon spotted frog.	2
Terrell	Possible chum, coho, resident cutthroat	July 15 - Dec 31	
Whatcom	Kokanee, resident cutthroat, common loon	Stay 500' away from loon and grebe nursery pools July 15 - Sept 1, or consult WDFW Region 6 office at (360) 249-4628 to determine ways to minimize disturbance.	4
Whitman County			
Bryan		Year-round as needed	
Fourmile Creek between Rose Creek and SF Palouse River	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2
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 - Dec 31, but avoid treatment Sept 15 - Nov 15. Through July 31, stay 1,000' 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
Palouse River between Silver Creek and City of Palouse	Columbia spotted frog	Avoid treatment. If treatment is necessary for control of noxious weeds, consult WDFW to determine treatment areas to avoid impacts to Columbia spotted frog. Contact Region 1 office at (509) 892-1001.	2

<i>County Lake or other waterbody</i>	Priority Species Known Occurrence*	Recommended Aquatic Herbicide Application Treatment Windows (Treatment allowable within date range shown, inclusive)	Rationale for non-fish Window (See Notes)
Sheep	American white pelican	Aug 31 - Dec 31, otherwise, consult WDFW Region 1 office at (509) 892-1001 to determine ways to minimize disturbance to sensitive bird species.	5
Snake River	Anadromous salmonids	Year-round as needed	
Yakima County			
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 Areas 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. Aug 1-May 31 for other purposes.	
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 Areas please coordinate control with WDFW Regional Wildlife Program Manager (509) 457-9313. Noxious weeds continue to be limiting factor to fish and wildlife habitat.	
Unnamed ponds at 12N-19E-20	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	
Willow	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	
Yakima River	Anadromous salmonids spring Chinook, summer steelhead, sockeye, coho, fall Chinook	July 15 – Sept 15. Attempt to avoid spring months when waterfowl and shorebirds are on nests or have young. Through July 15, stay 1,000' from great heron rookeries, bald eagle nests, or contact WDFW Region 3 office at (509) 457-9314 to determine ways to minimize disturbance to nesting herons or eagles.	3

*** Priority species known occurrence**

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: <http://wdfw.wa.gov/conservation/phs/>.

NOTES (Source: WDFW Priority Habitats and Species management recommendations, <http://wdfw.wa.gov/conservation/phs/>)

1. Cavity nesting ducks and waterfowl concentrations

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.

2. Oregon spotted frog, Columbia spotted frog, and Northern leopard frog

Avoid using herbicides or algaecides in, or adjacent to, water bodies used by these frogs. Algae, which are eaten by tadpoles, should not be removed or treated in wetlands where these frogs occur.

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

The specific locations of Pacific pond turtle are not released at a scale finer than one-quarter township (9 square miles). Consult WDFW before applying herbicides or algaecides within the quarter township of areas where Pacific pond turtles are known to occur.