FISH AND WILDLIFE COMMISSION PROPOSED POLICY DECISION

POLICY TITLE: Non-native game fish and fi	sheries	POLICY NUMBER	₹: C-
Cancels or Supersedes: NA – requested policy is new	Effective Dat	e: TBD	
oupersedes. Two requested policy is new	Termination	Date (if applicable):	
See Also:C-3010, POL 5004, POL 5408 State Wildlife Action Plan,			
Priority Habitat Species	Approved		[date]
	By: Washington Fis	sh and Wildlife Commis	sion

Purpose and Background

The purpose of this policy is to provide guidance to the Washington Department of Fish and Wildlife (WDFW) to ensure the management of non-native game fish is aligned with the agency's mandate under RCW 77.04.012. This statute requires WDFW to "preserve, protect, perpetuate and manage food fish, game fish, and shellfish in state waters..." and "maintain the economic well-being and stability of the fishing industry in the state." This policy provides guidance on where, when, and how to manage non-native game fish in a manner that protects and conserves native species, maximizes recreational opportunities on native and non-native food fish and game fish, and supports the fishing industry and the local and state economy.

In 1996 the Washington State Legislature enacted, through RCW 77.44.010, which directed the WDFW to create a warm water gamefish enhancement program "designed to increase the opportunities to fish for and catch warm water game fish including: Largemouth black bass, smallmouth black bass, channel catfish, black crappie, white crappie, walleye, and tiger musky." The goals of this program as outlined in RCW 77.44.040 state that the "Improvement of warm water fishing shall be coordinated with the protection and conservation of cold water fish populations. This shall be accomplished by carefully designing the warm water projects to have minimal adverse effects upon the cold water fish populations." With the creation of this enhancement program, the Legislature and the Fish & Wildlife Commission acknowledged that non-native game fish provide popular recreational fisheries (both native and non-native gamefish species are identified in Appendix A). To support the management of these fisheries, WDFW annually conducts a survey to determine the allocation of dedicated funds. From 2009 – 2021, this survey has shown that an average of 37% of anglers have fished for one of eight non-native game fish species. This percentage has been increasing from 35% in 2009 to 46% in 2021.

During the 2019 legislative session, the Washington State Legislature passed Second Substitute House Bill 1579 which directed the Fish and Wildlife Commission to implement Southern Resident Killer Whale Task Force recommendations and reduce predation by non-native game fish on salmonids. To implement this law the Commission undertook rule-making actions to eliminate daily bag limits for certain non-native game fish species.

Intent

The intent of this policy is to provide clear and concise context and guidance as to where, when, and how WDFW may manage non-native game fish to provide recreational opportunity. This policy also recognizes that non-native game fish species play an important role in Washington's diverse recreational fishing landscape, generating hundreds of thousands of angler trips annually, and contributing millions to local and state economies. This policy does not preclude the use of non-native game fish to establish, maintain, or enhance recreational fishing. In establishing this policy for statewide application, the Fish and Wildlife Commission provides guidance to address the interests of recreational anglers to fish for non-native game fish species while meeting conservation and recovery objectives for native species as also mandated by the Washington State legislature.

Policy Guidelines

Some non-native game fish species may pose a threat to populations of native species by depredating, competing, altering habitats, and introducing diseases. In some locations, non-native fish species can enhance native ecosystems, provide more balance to the food web, and help rebuild fisheries. In recent years, non-native game fish and their potential threats to native species have been managed through harvest rules in a majority of anadromous waters. This approach has created concerns among anglers about impacts to the quality and quantity of recreational fisheries targeting non-native game fish. Conservation and recovery of native species is WDFW's highest priority; consistent with this priority the following guidelines will be used to manage fisheries for non-native game fish that help meet the needs and interests of non-native game fish anglers where appropriate.

This policy will:

- support conservation and recovery of native species;
- utilize best available science related to non-native game fish species impacts on native species of concern particularly vulnerable salmonids to systematically craft fisheries to meet the interests of non-native game fish anglers where appropriate;
- be consistent with state laws, rules, commission policies, and native species conservation plans;
- use precautionary approaches to manage non-native game fish fisheries within the WDFW's available budget.

Evaluation and Reporting

Action(s) implemented under the guidance of this policy will be evaluated to determine the effectiveness in achieving desired goals.

The WDFW will provide an annual summary to the Commission that describes action(s), their status, and their efficacy as implemented under the guidance of this policy.

Definitions

As applied in the context of this policy:

- **Actively manage:** Direct action by WDFW on a specific water body where staff may enhance, control, or suppress fish species.
- **Anadromous:** The life history strategy of certain fish (e.g., salmon) where rearing occurs in saltwater and spawning occurs in freshwater.
- Anadromous Waters: For rivers and streams, where anadromous fish can access at various life stages. For lakes, ponds, and reservoirs, where anadromous fish are documented to be present.
- **Control:** To physically remove, limit movement, and/or use biological mechanisms on a targeted fish species via mechanical and/or chemical methods, habitat modification, or fishing regulations.
- **Illegal Introduction**: An aquatic species that has been moved from one water body to another water of the state without the express consent of the WDFW.
- **Limited Connectivity:** Non-direct and convoluted downstream connection with anadromous waters. Upstream migration by native anadromous fish and/or native species of concern is either non-existent or significantly restricted by physical and/or biological characteristics.
- Native Species of Concern: Fish and wildlife species endemic to Washington state that are listed in the <u>State Wildlife Action Plan</u>, the <u>Priority Habitats and Species</u> list, and those listed under the Federal Endangered Species Act.
- **Native game fish:** Fish species endemic to Washington state and defined in <u>RCW</u> 77.08.020 and WAC 220-300-380. See Appendix A.
- **Non-native game fish:** Fish species not endemic to Washington state and defined in RCW 77.08.020 and WAC 220-300-380. See Appendix A.
- **Protect:** Actions that protect, preserve, or conserve native anadromous fish species and/or native species of concern. Actions may include targeting non-native game fish.
- **Significant:** For the purposes of this policy, significant is not a specific and permanent number, rate, and/or range, but something sufficiently great or important to be worthy of attention. However, significance must be measured via direct assessment, peer reviewed, and published.
- **Passively manage:** Indirect intervention by WDFW on a specific water body where staff manipulate fish species primarily through fishing regulations.

Population Management

Rivers, Streams, and Beaver Ponds

Option A:	WDFW will prioritize management of native anadromous fish, and may
	secondarily manage (actively or passively) for non-native game fish

	species when their impacts to anadromous fish are directly assessed with best available science, are not significant, and are consistent with anadromous fish management and recovery.
Option B:	WDFW will only engage in management of native anadromous fish.

With Mative species of concern	
Option A:	WDFW will prioritize management of native species of concern, and may secondarily manage (actively or passively) for non-native game fish species when their impacts to native species of concern are directly assessed with best available science, are not significant, and are consistent with native fish management and recovery.
	consistent with native rish management and recovery.
Option B:	WDFW will only engage in management of native fish species of
	concern.

Without Native Anadromous Fish or Species of Concern

Ī	Option A:	WDFW may prioritize management of non-native game fish species.
	Option A.	with will appropriate management of non-native game fish species.

Lakes, Ponds, and Reservoirs

With Native Anadromous Fish

Option A:	WDFW will prioritize management of native anadromous fish and may
	actively manage for non-native game fish species.
Option B:	WDFW will prioritize management of native anadromous fish, and may
	secondarily manage (actively or passively) for non-native game fish
	species when their impacts to anadromous fish are directly assessed
	with best available science and are not significant and are consistent
	with anadromous fish management and recovery.
Option C:	WDFW will only engage in management of anadromous fish.

With Native Species of Concern

Option A:	WDFW will prioritize management of native species of concern and may secondarily manage (actively or passively) for non-native game fish species.
Option B:	WDFW will prioritize management of native species of concern and may secondarily manage (actively or passively) for non-native game fish species when their impacts to native species of concern are directly assessed with best available science, are not significant, and are consistent with native fish management and recovery.
Option C:	WDFW will only engage in management of native species of concern.

Option A:	WDFW may prioritize management for non-native and/or native game
	fish species.

Fishing Regulations

Rivers, Streams, and Beaver Ponds

With Native Anadromous Fish

Option A:	WDFW may promulgate rules for non-native game fish that reduce impacts to native anadromous fish. This may include changes to daily bag limits, size restrictions and/or seasons. Utilizing best available science, develop rules based on empirical estimates of the effects of proposed rules on native anadromous fish and non-native game fish.
Option B:	WDFW will promulgate rules for non-native game fish that reduce impacts to native anadromous fish. This may include changes to daily bag limits, size restrictions and/or seasons. Utilizing best available science, develop rules based on empirical estimates of the effects of proposed rules on native anadromous fish and non-native game fish.
Option C:	WDFW will promulgate rules for non-native game fish that protect native anadromous fish. The intent of these rules is suppression of targeted non-native game fish populations.

With Native Species of Concern

Option A:	WDFW may promulgate rules for non-native game fish that reduce impacts to native species of concern fish. This may include changes to daily bag limits, size restrictions and/or seasons. Utilizing best available science, develop rules based on empirical estimates of the effects of proposed rules on native species of concern and non-native game fish.
Option B:	WDFW will promulgate rules for non-native game fish that reduce impacts to native species of concern. This may include changes to daily bag limits, size restrictions and/or seasons. Utilizing best available science, develop rules based on empirical estimates of the effects of proposed rules on native species of concern and non-native game fish.
Option C:	WDFW will promulgate rules for non-native game fish that protect native species of concern. The intent of these rules is suppression of targeted non-native game fish populations.

Without Native Anadromous Fish or Species of Concern

Option A:	WDFW may promulgate rules for non-native game fish that protect
	native and/or non-native game fish. Develop rules designed to provide
	quality fishing for native and/or non-native game fish.

Lakes, Ponds, and Reservoirs

Option A:	WDFW may promulgate rules for non-native game fish that reduce
	impacts to native anadromous fish. This may include changes to daily
	bag limits, size restrictions and/or seasons. Utilizing best available

	science, develop rules based on empirical estimates of the effects of proposed rules on native anadromous fish and non-native game fish.
Option B:	WDFW will promulgate rules for non-native game fish that reduce impacts to native anadromous fish. This may include changes to daily bag limits, size restrictions and/or seasons. Utilizing best available science, develop rules based on empirical estimates of the effects of proposed regulations on native anadromous fish and non-native game fish.
Option C:	WDFW will promulgate rules for non-native game fish that protect native anadromous fish. The intent of these rules is suppression of the target non-native game fish populations.

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Option C:	WDFW will promulgate rules for non-native game fish that protect native species of concern. Intent of these rules is suppression of target non-native game fish populations.

With Limited or no Connectivity to anadromous waters, or waters with no anadromy

Option A:	WDFW may promulgate rules for non-native game fish that protect
	native and/or non-native game fish. Develop rules designed to provide
	quality fishing for native and/or non-native game fish.

Introduction/Supplementation/Translocation

Rivers, Streams, and Beaver Ponds

Option A:	WDFW may introduce, translocate, or supplement non-native game fish
	to create, improve or maintain recreational fishing opportunity, if
	actions are approved following environmental review (e.g., SEPA,
	NEPA).
Option B:	WDFW will not introduce, translocate, or supplement non-native game

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Option B:	WDFW will not introduce, translocate, or supplement non-native game
	fish.

Without Native Anadromous Fish or Species of Concern

Option A:	WDFW may introduce, translocate, or supplement non-native game fish
	to create, improve or maintain recreational fishing opportunity, if
	approved following environmental review (e.g., SEPA, NEPA).

Lakes, Ponds, and Reservoirs

With Native Anadromous Fish

Option A:	WDFW may introduce, translocate, or supplement non-native game fish
	to create, improve or maintain recreational fishing opportunity, if
	approved following environmental review (e.g., SEPA, NEPA). This
	would include use of non-native trout species in high lakes, or Tiger
	Muskie in reservoirs.
Option B:	WDFW will not introduce, translocate, or supplement non-native game
	fish.

With Native Species of Concern

Option A:	WDFW may introduce, translocate, or supplement non-native game fish
	to create, improve or maintain recreational fishing opportunity, if
	approved following environmental review process (e.g., SEPA, NEPA).
	This would include use of non-native trout species in high lakes, or
	Tiger Muskie in reservoirs).
Option B:	WDFW will not introduce, translocate, or supplement non-native game
	fish.

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	to create, improve or maintain recreational fishing opportunity, if
	approved following environmental review process (e.g., SEPA, NEPA).
	This would include use of non-native trout species in high lakes, or
	Tiger Muskie in reservoirs.

Habitat

Rivers, Streams, and Beaver Ponds

With Native Anadromous Fish

Option A:	WDFW will provide technical assistance for habitat enhancement or restoration projects that benefit native anadromous fish and/or non-native game fish. For example, projects like fish passage, or large woody debris placement can increase habitat availability and benefit both native and non-native fish.
Option B:	WDFW will provide technical assistance for habitat enhancement or restoration projects that benefit native anadromous fish and/or non-native game fish, where impact of the project to anadromous fish is not significant. For example, projects like fish passage, or large woody debris placement can increase habitat availability and benefit both native and non-native fish.
Option C:	WDFW will provide technical assistance for habitat enhancement or restoration projects that only benefit native game fish, native anadromous fish, or species of concern. For example, projects like fish passage, or large woody debris placement can increase habitat availability and benefit both native and non-native fish.

With Native Species of Concern

Option A:	WDFW may provide technical assistance for habitat enhancement or restoration projects to benefit native species of concern and/or non-native game fish. For example, projects like fish passage, or large woody debris placement can increase habitat availability and benefit both native and non-native fish.
Option B:	WDFW may provide technical assistance for habitat enhancement or restoration projects to benefit native species of concern and/or non-native game fish, where impact of the project to native species of concern is not significant. For example, projects like fish passage, or large woody debris placement can increase habitat availability and benefit both native and non-native fish.
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Without Native Anadromous Fish or Species of Concern

Option A:	WDFW may provide technical assistance for habitat enhancement or
	restoration projects to benefit game fish. For example, projects like fish
	passage, or large woody debris placement can increase habitat
	availability and benefit both native and non-native fish.

Lakes, Ponds, and Reservoirs

With Native Anadromous Fish

Option A:	WDFW will provide technical assistance for-habitat enhancement or restoration projects that benefit native anadromous fish and/or non-native game fish. For example, projects like shoreline bulkhead removal and native vegetation planting can provide habitat benefits for both native and non-native fish.
Option B:	WDFW will provide technical assistance for habitat enhancement or restoration projects that benefit native anadromous fish and/or non-native game fish, where impact of the project to anadromous fish is not significant. For example, projects like shoreline bulkhead removal and native vegetation planting can provide habitat benefits for both native and non-native fish.
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Option C:	WDFW will provide technical assistance for habitat enhancement or restoration projects that only benefit native game fish, native anadromous fish or species of concern. For example, projects like shoreline bulkhead removal and native vegetation planting can provide habitat benefits for both native and non-native fish.

Option A:	WDFW may provide technical assistance for habitat enhancement or
	restoration projects to benefit non-native game fish where appropriate.
	For example, projects like shoreline bulkhead removal and native
	vegetation planting can provide habitat benefits for both native and non-
	native fish.

Illegal Introduction

Rivers, Streams, and Beaver Ponds

With Native Anadromous Fish

Option A:	WDFW may utilize passive management techniques to control the illegal introduction of non-native game fish populations. For example, actions to control expansion of introduced fish could be, season or harvest regulation changes, or habitat/flow modifications, etc.
Option B:	WDFW may actively or passively manage illegally introduced non- native game fish to remove them or control their expansion. For example, actions to control expansion of introduced fish could be, netting, electrofishing, chemical, or other active or passive removal techniques.
Option C:	WDFW will actively or passively manage to control the establishment or expansion of non-native game fish.

With Native Species of Concern

Option A:	WDFW may utilize passive management techniques to control the
	illegal introduction of non-native game fish populations. For example,
	actions to control expansion of introduced fish could be, season or
	harvest regulation changes, or habitat/flow modifications, etc.
Option B:	WDFW may actively or passively manage illegally introduced non-
	native game fish to remove them or control their expansion. For
	example, actions to control expansion of introduced fish could be,
	netting, electrofishing, chemical, or other active or passive removal
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Option C:	WDFW will actively or passively manage to control the establishment
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Without Native Anadromous Fish or Species of Concern

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Lakes, Ponds, and Reservoirs

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	techniques.
Option C:	WDFW will actively or passively control the establishment or expansion
	of non-native game fish.

With Limited or no Connectivity to anadromous waters, or waters with no anadromy

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	illegal introduction of non-native game fish populations. For example,
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	example, actions to control expansion of introduced fish could be,
	netting, electrofishing, chemical, or other active or passive removal
	techniques.

Targeted Control

Rivers, Streams, and Beaver Ponds

Option A:	WDFW may perform localized control of non-native game fish where
	appropriate to meet conservation and/or fish management objectives.
	For example, actions for localized control could be techniques like
	netting, electrofishing, chemical, incentivized fisheries, or other active
	removal techniques.

Option A:	WDFW may perform localized control of non-native game fish where
	appropriate to meet conservation and/or fish management objectives.
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Without Native Anadromous Fish or Species of Concern

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Lakes, Ponds, and Reservoirs

With Native Anadromous Fish

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	For example, actions for localized control could be techniques like
	netting, electrofishing, chemical, incentivized fisheries, or other active
	removal techniques.

Appendix A. List of both native and non-native game fish species found in Washington, as recorded in <u>RCW 77.08.020</u> or <u>WAC 220-300-380</u>. Note that this table contains species listed as game fish as of the writing of this policy, for a more up to date list consult the aforementioned RCW and WAC. Native Species of Concern can be viewed in the <u>State Wildlife Action Plan</u> and the <u>Priority Habitats and Species list</u>.

Ameiurus melas Ameiurus natalis Yellow Bullhead No Ameiurus nebulosus Brown Bullhead No Coregonus clupeaformis Lake Whitefish No Ctenopharyngodon idella Grass Carp No Esox masquinongy x E. lucius Itiger Muskellunge No Ictalurus furcatus Blue Catfish No Lepomis cyanellus Cenophis cyanellus Cenophis gibbosus Pumpkinseed No Lepomis gibbosus Pumpkinseed No Lepomis macrochirus Bluegill No Micropterus dolomieu Smallmouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch No Pomoxis annularis White Crappie No Pomoxis nigromaculatus Black Crappie No Salmo salar Atlantic salmon (landlocked) No Salvelinus namaycush Lake Trout No Sander vitreus Walleye No Catostomus caloubianus Bridgelip Sucker Yes Catostomus columbianus Bridgelip Sucker Yes Catostomus columbianus Bridgelip Sucker	Scientific Name	Common Name	Native
Ameiurus natalis Ameiurus nebulosus Brown Bullhead No Coregonus clupeaformis Lake Whitefish No Ctenopharyngodon idella Grass Carp No Esox masquinongy x E. lucius Tiger Muskellunge No Ictalurus furcatus Blue Catfish No Lepomis cyanellus Channel Catfish No Lepomis gibbosus Pumpkinseed No Lepomis gulosus Warmouth No Lepomis macrochirus Bluegill No Micropterus dolomieu Smallmouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch Pomoxis annularis White Crappie No Pomoxis angromaculatus Black Crappie No Pomoxis nigromaculatus Black Crappie No Salmo salar Atlantic salmon (landlocked) No Salvelinus namaycush Lake Trout No Salvelinus namaycush Largenous Sucker Yes Catostomus columbianus Bridgelip Sucker	Ambloplites rupestris	Rock Bass	No
Ameiurus nebulosus Coregonus clupeaformis Lake Whitefish No Ctenopharyngodon idella Grass Carp No Esox masquinongy x E. lucius Tiger Muskellunge No Ictalurus furcatus Blue Catfish No Ictalurus punctatus Channel Catfish No Lepomis cyanellus Lepomis gibbosus Pumpkinseed No Lepomis gulosus Warmouth No Lepomis macrochirus Bluegill No Micropterus dolomieu Smallmouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch No Pomoxis annularis White Crappie No Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo salar Atlantic salmon (landlocked) No Salmo trutta Salvelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Catostomus catostomus Catostomus columbianus Bridgelip Sucker Yes Catostomus columbianus	Ameiurus melas	Black Bullhead	No
Coregonus clupeaformis Ctenopharyngodon idella Grass Carp No Esox masquinongy x E. lucius Tiger Muskellunge No Ictalurus furcatus Blue Catfish No Ictalurus punctatus Channel Catfish No Lepomis cyanellus Lepomis gibbosus Pumpkinseed No Lepomis gulosus Warmouth No Lepomis macrochirus Bluegill No Micropterus dolomieu Smallmouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch No Pomoxis annularis White Crappie No Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo trutta Salwelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Catostomus catostomus Longnose Sucker Yes Catostomus columbianus Bridgelip Sucker Yes Catostomus columbianus	Ameiurus natalis	Yellow Bullhead	No
Ctenopharyngodon idellaGrass CarpNoEsox masquinongy x E. luciusTiger MuskellungeNoIctalurus furcatusBlue CatfishNoIctalurus punctatusChannel CatfishNoLepomis cyanellusGreen SunfishNoLepomis gibbosusPumpkinseedNoLepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Ameiurus nebulosus	Brown Bullhead	No
Esox masquinongy x E. lucius Itiger Muskellunge No Ictalurus furcatus Blue Catfish No Ictalurus punctatus Channel Catfish No Lepomis cyanellus Green Sunfish No Lepomis gibbosus Pumpkinseed No Lepomis gulosus Warmouth No Ictalurus punctatus Warmouth No Ictalurus punctatus Bluegill No Ictalurus punctatus Warmouth No Ictalurus gulosus Warmouth No Ictalurus dolomisus Bluegill No Micropterus dolomieu Smallmouth Bass No Micropterus salmoides Largemouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch No Pomoxis annularis White Crappie No Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo salar Atlantic salmon (landlocked) No Salmo trutta Brown Trout No Salmo trutta x Salvelinus fontinalis Tiger Trout No Salvelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Sander vitreus Walleye No Thymallus articus Arctic Grayling No Catostomus catostomus Longnose Sucker Yes Catostomus columbianus	Coregonus clupeaformis	Lake Whitefish	No
Ictalurus furcatusBlue CatfishNoIctalurus punctatusChannel CatfishNoLepomis cyanellusGreen SunfishNoLepomis gibbosusPumpkinseedNoLepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Ctenopharyngodon idella	Grass Carp	No
Ictalurus punctatusChannel CatfishNoLepomis cyanellusGreen SunfishNoLepomis gibbosusPumpkinseedNoLepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalno trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Esox masquinongy x E. lucius	Tiger Muskellunge	No
Lepomis cyanellusGreen SunfishNoLepomis gibbosusPumpkinseedNoLepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Ictalurus furcatus	Blue Catfish	No
Lepomis gibbosusPumpkinseedNoLepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Ictalurus punctatus	Channel Catfish	No
Lepomis gulosusWarmouthNoLepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Lepomis cyanellus	Green Sunfish	No
Lepomis macrochirusBluegillNoMicropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Lepomis gibbosus	Pumpkinseed	No
Micropterus dolomieuSmallmouth BassNoMicropterus salmoidesLargemouth BassNoOncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Lepomis gulosus	Warmouth	No
Micropterus salmoides Largemouth Bass No Oncorhynchus aquabonita Golden Trout No Perca flavescens Yellow Perch No Pomoxis annularis White Crappie No Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo salar Atlantic salmon (landlocked) No Salmo trutta Brown Trout No Salmo trutta x Salvelinus fontinalis Tiger Trout No Salvelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Sander vitreus Walleye No Thymallus articus Arctic Grayling No Catostomus catostomus Bridgelip Sucker Yes Catostomus columbianus	Lepomis macrochirus	Bluegill	No
Oncorhynchus aquabonitaGolden TroutNoPerca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Micropterus dolomieu	Smallmouth Bass	No
Perca flavescensYellow PerchNoPomoxis annularisWhite CrappieNoPomoxis nigromaculatusBlack CrappieNoPylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Micropterus salmoides	Largemouth Bass	No
Pomoxis annularis Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo salar Atlantic salmon (landlocked) No Salmo trutta Brown Trout No Salvelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Sander vitreus Walleye No Thymallus articus Catostomus columbianus White Crappie No No No Pylodictus olivaris Black Crappie No Atlantic salmon (landlocked) No No Salmo trutta x Salvelinus fontinalis Tiger Trout No Valleye No Arctic Grayling No Catostomus catostomus Longnose Sucker Yes Catostomus columbianus Bridgelip Sucker Yes	Oncorhynchus aquabonita	Golden Trout	No
Pomoxis nigromaculatus Black Crappie No Pylodictus olivaris Flathead Catfish No Salmo salar Atlantic salmon (landlocked) No Salmo trutta Brown Trout No Salvelinus fontinalis Eastern Brook Trout No Salvelinus namaycush Lake Trout No Sander vitreus Walleye No Thymallus articus Catostomus columbianus Black Crappie No No No Atlantic salmon (landlocked) No No No No Catostomus fontinalis Eastern Brook Trout No No Salvelinus namaycush Lake Trout No Catostomus catostomus Longnose Sucker Yes Catostomus columbianus Bridgelip Sucker Yes	Perca flavescens	Yellow Perch	No
Pylodictus olivarisFlathead CatfishNoSalmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Pomoxis annularis	White Crappie	No
Salmo salarAtlantic salmon (landlocked)NoSalmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Pomoxis nigromaculatus	Black Crappie	No
Salmo truttaBrown TroutNoSalmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Pylodictus olivaris	Flathead Catfish	No
Salmo trutta x Salvelinus fontinalisTiger TroutNoSalvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Salmo salar	Atlantic salmon (landlocked)	No
Salvelinus fontinalisEastern Brook TroutNoSalvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Salmo trutta	Brown Trout	No
Salvelinus namaycushLake TroutNoSander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Salmo trutta x Salvelinus fontinalis	Tiger Trout	No
Sander vitreusWalleyeNoThymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Salvelinus fontinalis	Eastern Brook Trout	No
Thymallus articusArctic GraylingNoCatostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Salvelinus namaycush	Lake Trout	No
Catostomus catostomusLongnose SuckerYesCatostomus columbianusBridgelip SuckerYes	Sander vitreus	Walleye	No
Catostomus columbianus Bridgelip Sucker Yes	Thymallus articus	Arctic Grayling	No
U 1	Catostomus catostomus	Longnose Sucker	Yes
Catostomus macrocheilus Largescale Sucker Ves	Catostomus columbianus	Bridgelip Sucker	Yes
Carostonius macroenemus Largeseare Sacker 165	Catostomus macrocheilus	Largescale Sucker	Yes
Catostomus platyrhynchus Mountain Sucker Yes	Catostomus platyrhynchus	Mountain Sucker	Yes
Lota lota Burbot Yes	Lota lota	Burbot	Yes

Mylocheilus caurinus	Peamouth Chub	Yes
Oncorhynchus clarkii	Cutthroat Trout	Yes
Oncorhynchus kisutch	Coho Salmon (landlocked)	Yes
Oncorhynchus mykiss	Rainbow or steelhead Trout	Yes
Oncorhynchus nerka	kokanee (landlocked)	Yes
Oncorhynchus tshawytscha	Chinook Salmon (landlocked)	Yes
Prosopium williamsoni	Mountain Whitefish	Yes
Ptychocheilus oregonensis	Northern Pikeminnow	Yes
Salvelinus confluentus	Bull Trout	Yes
Salvelinus malma	Dolly Varden	Yes