

## Appendix A

### Upper Columbia Basin Fish Species

**Table 1** List of fishes that occur in the Upper Columbia Basin (between the mouth of the Yakima River and Chief Joseph Dam). Temperature classification follows Zaroban et al. (1999) and trophic guilds follow Li et al. (1987). Table is from Hillman (2000).

| Common name                | Scientific Name                 | Native (N)<br>or<br>Exotic (E) | Feeding location in<br>water column |     |     | Primary prey |        |     |     |      |
|----------------------------|---------------------------------|--------------------------------|-------------------------------------|-----|-----|--------------|--------|-----|-----|------|
|                            |                                 |                                | Surf                                | Mid | Bot | Plant        | Detrit | Mic | Mac | Fish |
| <b>Cold-water species:</b> |                                 |                                |                                     |     |     |              |        |     |     |      |
| White sturgeon             | <i>Acipenser transmontanus</i>  | N                              |                                     |     | x   | x            | x      | x   | X   | x    |
| Chinook salmon (juv)       | <i>Oncorhynchus tshawytscha</i> | N                              | X                                   | x   | x   |              |        |     | X   |      |
| Coho salmon (juv)          | <i>Oncorhynchus kisutch</i>     | N                              | X                                   | x   | x   |              |        |     | X   |      |
| Sockeye/kokanee (juv)      | <i>Oncorhynchus nerka</i>       | N                              | x                                   | X   | x   |              |        | x   | X   |      |
| Steelhead/rainbow          | <i>Oncorhynchus mykiss</i>      | N                              | x                                   | X   | x   |              |        |     | X   | x    |
| Cutthroat trout            | <i>Oncorhynchus clarki</i>      | N                              | X                                   | x   | x   |              |        |     | X   | x    |
| Brown trout                | <i>Salmo trutta</i>             | E                              | x                                   | X   | x   |              |        |     | X   | x    |
| Atlantic salmon            | <i>Salmo salar</i>              | E                              | x                                   | X   | x   |              |        |     | X   | x    |
| Bull trout                 | <i>Salvelinus confluentus</i>   | N                              | x                                   | x   | X   |              |        |     | X   | x    |
| Brook trout                | <i>Salvelinus fontinalis</i>    | E                              | x                                   | X   | x   |              |        |     | X   | x    |
| Mountain whitefish         | <i>Prosopium williamsoni</i>    | N                              | x                                   | x   | X   |              |        |     | X   |      |
| Lake whitefish             | <i>Coregonus clupeaformis</i>   | E                              |                                     | x   | X   |              |        |     | X   | x    |
| Burbot                     | <i>Lota lota</i>                | N                              |                                     | x   | X   |              |        |     | X   | x    |
| Longnose sucker            | <i>Catostomus catostomus</i>    | N                              |                                     |     | X   | x            | x      | x   | x   |      |
| Sculpins                   | <i>Cottus spp.</i>              | N                              |                                     |     | X   |              |        |     | X   | x    |

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| Common name                   | Scientific Name                  | Native (N)<br>or<br>Exotic (E) | Feeding location in<br>water column |     |     | Primary prey |        |     |     |      |
|-------------------------------|----------------------------------|--------------------------------|-------------------------------------|-----|-----|--------------|--------|-----|-----|------|
|                               |                                  |                                | Surf                                | Mid | Bot | Plant        | Detrit | Mic | Mac | Fish |
| <b>Cool-water species:</b>    |                                  |                                |                                     |     |     |              |        |     |     |      |
| Longnose dace                 | <i>Rhinichthys cataractae</i>    | N                              |                                     |     | X   |              |        |     | X   |      |
| Peamouth                      | <i>Mylocheilus caurinus</i>      | N                              |                                     |     | X   |              |        |     | X   | x    |
| Chiselmouth                   | <i>Acrocheilus alutaceus</i>     | N                              |                                     |     | X   | X            |        |     | x   |      |
| Northern pikeminnow           | <i>Ptychocheilus oregonensis</i> | N                              | x                                   | x   | X   |              |        |     | X   | x    |
| Redside shiner                | <i>Richardsonius balteatus</i>   | N                              | x                                   | X   | x   |              |        |     | X   |      |
| Sand roller                   | <i>Percopsis transmontana</i>    | N                              |                                     |     | X   |              |        |     | X   |      |
| Bridgelip sucker              | <i>Catostomus columbianus</i>    | N                              |                                     |     | X   | X            |        |     | x   |      |
| Mountain sucker               | <i>Catostomus platyrhynchus</i>  | N                              |                                     |     | X   | X            | x      | x   | x   |      |
| Largescale sucker             | <i>Catostomus macrocheilus</i>   | N                              |                                     |     | X   | X            | x      | x   | x   |      |
| Pacific lamprey (juv)         | <i>Lampetra tridentata</i>       | N                              |                                     |     | X   | x            |        | X   | x   |      |
| Pacific lamprey (adult)       | <i>Lampetra tridentata</i>       | N                              |                                     | X   |     |              |        |     |     | X    |
| River lamprey (juv)           | <i>Lampetra ayresi</i>           | N                              |                                     |     | X   | x            | X      | x   |     |      |
| River lamprey (adult)         | <i>Lampetra ayresi</i>           | N                              |                                     | X   |     |              |        |     |     | X    |
| Western brook lamprey (juv)   | <i>Lampetra richardsoni</i>      | N                              |                                     |     | X   | x            | X      | x   |     |      |
| Western brook lamprey (adult) | <i>Lampetra richardsoni</i>      | N                              |                                     | X   |     |              |        |     |     | X    |
| Threespine stickleback        | <i>Gasterosteus aculeatus</i>    | N                              | x                                   | X   | x   |              |        |     | X   |      |
| Pumpkinseed                   | <i>Lepomis gibbosus</i>          | E                              |                                     | X   | x   |              |        |     | X   | x    |
| Walleye                       | <i>Stizostedion vitreum</i>      | E                              |                                     | x   | X   |              |        |     | x   | X    |
| Yellow perch                  | <i>Perca flavescens</i>          | E                              | x                                   | X   | x   |              |        |     | X   | x    |

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|----------------------------|-------------------------------|--------------------------------|----------------------------------|-----|-----|--------------|--------|-----|-----|------|
|                            |                               |                                | Surf                             | Mid | Bot | Plant        | Detrit | Mic | Mac | Fish |
| Smallmouth bass            | <i>Micropterus dolomieu</i>   | E                              | x                                | x   | X   |              |        |     | X   | x    |
| Sculpin                    | <i>Cottus spp.</i>            | N                              |                                  |     | X   |              |        |     | X   | x    |
| <b>Warm-water species:</b> |                               |                                |                                  |     |     |              |        |     |     |      |
| Channel catfish            | <i>Ictalurus punctatus</i>    | E                              |                                  |     | X   |              |        |     | X   | x    |
| Black bullhead             | <i>Ameiurus melas</i>         | E                              |                                  |     | X   | x            |        |     | X   |      |
| Brown bullhead             | <i>Ameiurus nebulosus</i>     | E                              |                                  |     | X   | x            | x      | x   | X   | x    |
| Tench                      | <i>Tinca tinca</i>            | E                              |                                  |     | X   | x            |        |     | X   |      |
| Common carp                | <i>Cyprinus carpio</i>        | E                              |                                  |     | X   | x            | x      | x   | X   |      |
| Bluegill                   | <i>Lepomis macrochirus</i>    | E                              | x                                | X   | x   |              |        |     | X   | x    |
| Black crappie              | <i>Pomoxis nigromaculatus</i> | E                              | x                                | X   | x   |              |        |     | X   | x    |
| Largemouth bass            | <i>Micropterus salmoides</i>  | E                              | x                                | X   | x   |              |        |     | x   | X    |

Surf = surface feeder; Mid = midwater feeder; Bot = bottom feeder; Detrit = detritus; Mic = microinvertebrate; Mac = macroinvertebrate. Capital letters denote dominant mode