

Table S1 Fish incidence distributional data of 28 oxbow lakes in the Ishikari River basin in the 2000s

Species	Origin	Tanba	Takonokubi	Ikenomae	Shisun	Fukuroji	Shimotoppu	Pira	Toi	Mizuho	Urausu	Shin	Higashi	Nishi	Hishi	Ito
<i>Lethenteron camtschaticum</i>	Native	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
<i>Cyprinus carpio</i>	Non-native	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0
<i>Carassius cuvieri</i>	Non-native	0	0	1	1	0	1	0	1	1	0	1	0	0	0	0
<i>Carassius auratus</i>	Native	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Carassius langsdorfii</i>	Native	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Rhodeus ocellatus</i>	Non-native	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Ctenopharyngodon idella</i>	Non-native	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rhynchocypris sachalinensis</i>	Native	1	1	0	1	0	0	1	0	1	1	0	0	0	0	0
<i>Pseudaspius brandtii</i>	Native	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pseudaspius sachalinensis</i>	Native	0	1	1	0	0	0	0	1	1	1	1	1	1	0	1
<i>Pseudaspius hakonensis</i>	Native	1	1	1	0	0	1	1	1	1	0	1	1	1	1	1
<i>Pseudorasbora parva</i>	Non-native	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<i>Gnathopogon elongatus</i>	Non-native	0	1	1	1	1	1	0	1	1	0	1	1	1	0	1
<i>Misgurnus anguillicaudatus</i>	Non-native	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1
<i>Barbatula barbatula</i>	Native	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0
<i>Lefua nikkonis</i>	Native	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0
<i>Silurus asotus</i>	Non-native	0	0	1	1	1	1	1	0	0	0	1	1	1	0	1
<i>Hypomesus nipponensis</i>	Native	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<i>Hypomesus olidus</i>	Native	0	0	1	0	0	1	1	1	0	0	0	0	0	1	0
<i>Oncorhynchus masou</i>	Native	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Gasterosteus aculeatus</i>	Native	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pungitius tymensis</i>	Native	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
<i>Pungitius sinensis</i>	Native	1	1	1	0	1	0	1	0	1	1	1	0	1	0	0
<i>Gymnogobius urotaenia</i>	Native	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
<i>Rhinogobius kurodai</i>	Native	0	0	1	1	1	1	0	0	0	0	1	1	1	0	1
<i>Tridentiger brevispinis</i>	Native	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Channa argus</i>	Non-native	0	0	0	0	0	0	1	0	0	0	0	1	1	1	0

