

Supplementary 1. Locations and sample sizes (N) of the studied *Esox lucius* populations (A) along with the map of locations (B).

A

Localization	Class	N	Type	Coordinates
Puck Bay	2010-2014	213	brackish	52°23'N 21°01'E
Reda river (estuary, Rewa town)	2012	11	brackish	54°64'N 18°46'E
Motława river (estuary)	2009-2014	171	brackish	54°35'N 18°67'E
Vistula Lagoon (Krynica Morska town)	2010	12	brackish	54°38'N 19°44'E
Vistula Lagoon (Frombork town)	2011	12		54°36'N 19°68'E
Szczecin Lagoon (Polish part)	2012	5	brackish	53°85'N 14°41'E
Szczecin Lagoon (German part)	2013	14		53°45'N 14°04'E
Bukowo lake	2012	30	brackish	54°36'N 16°31'E
Jamno lake	2012	27	brackish	54°28'N 16°15'E
Rega river (estuary)	2012	11	brackish	54°14'N 15°28'E
Zelwa lake	2009	19	freshwater	54°02'N 23°42'E
Osiek lake (Dobiegnew town)	2009	18	freshwater	52°95'N 15°68'E
Jaroszewskie lake (Sieraków town)	2009	15	freshwater	52°62'N 16°09'E
Drawsko lake (Drawski Natural Reserve)	2009	18	freshwater	53°59'N 16°18'E
Odra river (Polish part)	2013	11	freshwater	51°06'N 17°01'E
Odra river (Germany part)	2013	18	freshwater	52°41'N 14°25'E/ 52°16'N 14°35'E
Wisłoka river	2013	24	freshwater	50°17'N 21°26'E/ 50°03'N 21°24'E

Elbe river	2013	16	freshwater	53°04'N 11°27'E/ 53°22'N 10°32'E/ 53°23'N 10°13'E/ 53°01'N 11°27'E/ 51°51'N 12°27'E
Borowe lake (Małkinia Mała town)	2011	23	freshwater	52°59'N 21°46'E

B

