Proof of reproduction of salmon returned to the Rhine system

Country	System	Project water - Selection of the most important tributaries (* no stocking)	First salmon stocking	Year of spawning proof (reproduction during the preceding autumn/winter)																									
				1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
D	**Wupper-**	Wupper	1993	/	/	/	/	/	/	/	/	0	/	/	/	/	/	(X)	/	/	/	/	/		/	/	/	/
	Dhünn	Dhünn		/	/	/	/	/	/	/	/	0	/	/	X	X	/	/	/	/	/	/	/		/	/	/	/
		Eifgenbach		/	/	/	/	/	/	/	/	/	/	/	/	0	/	/	/	/	/	/	/		/	/	/	/
D	**Sieg**	Sieg NRW	Salmon stocking measures in the Sieg river system since 1988, since 1998 in addition to classical umber and barbel regions also in selected smaller and medium sized brooks	X	/	/	/	/	/	/	X	0	XX	/	/	/	/	/	/	/	/	XX	/	XX	0	0	0	/
		Agger (lower 30 km)		X	/	/	/	/	/	/	0	0	XXX	XXX	XXX	XX	XXXX	XXXX	XXXX	/	/	XXX	XXX	XXX	XXX	XXX	XX	XX
		Naafbach		/	/	/	/	/	/	/	XX	0	/	XXX	XXX	XXX	XXXX	XXXX	XXXX	/	/	XXX	XXX	XXX	XXXX	XXX	XXX	0
		Pleisbach		/	/	/	/	/	/	/	0	/	/	0	/	/	X	/	X	/	/	/	/		/	/	/	/
		Hanfbach		/	/	/	/	/	/	/	/	0	/	0	X	/	/	/	/	/	/	/	/		/	/	/	/
		Bröl		X	/	/	X	/	/	/	0	0	XX	XX	0	XX	XXX	/	XXX	/	/	/	XX	XXX	XXX	XX	XXX	/
		Homburger Bröl		/	/	/	/	/	/	/	0	0	/	XX	XXX	XX	X	/	/	/	/	/	/	0	XX	XX	0	/
		Waldbröl		/	/	/	/	/	/	/	0	0	/	0	0	XXX	XXX	/	0	/	/	/	/	XXX	0	0	0	/
		Derenbach		/	/	/	/	/	/	/	/	/	/	/	/	0	/	/	/	/	/	/	/		/	/	/	/
		Steinchesbach		/	/	/	/	/	/	/	/	/	/	/	/	0	/	/	/	/	/	/	/		/	/	/	/
		Krabach		/	/	/	/	/	/	/	/	/	/	/	X	/	/	/	/	/	/	/	/		/	/	/	/
		Gierzhagener Bach		/	/	/	/	/	/	/	0	/	/	/	/	/	X	/	/	/	/	/	/		/	/	/	/
		Irsenbach		/	/	/	/	/	/	/	0	/	/	/	/	/	/	/	/	/	/	/	/		/	/	/	/
		Sülz		/	/	/	/	/	/	/	0	0	/	/	/	XX	/	/	/	/	/	XXX	/	XXX	XXXX	XXX	XXX	XXX
		Schlingenbach		/	/	/	/	/	/	/	/	0	/	/	/	/	/	X	XXXX	XXX	/	/	XXX	0	0	0	0	/
		middle Sieg RLP	1994	/	/	/	/	/	/	/	X	0	0	0	X	X	X	XXXX	X	0	?	?	?	?	0	0	X	XX
		Nister system	1991	/	/	/	/	/	XX	0	X	X	X	X	X	XXX	XX	XXXX	X	X	X	X	X	X	X	X	X	XX
		Wisserbach	1991	/	/	/	/	/	/	XXX	XX	XX	0	X	XX	XXX	XX	XXXX	0	X	0	0	0	0	XX	0	0	0
		Elbbach	1995	/	/	/	/	/	/	/	/	0	X	0	/	/	XX	XX	0	0	0	/	/	/	/	/	/	/
		Heller-Daade	1998	/	/	/	/	/	/	/	/	0	0	/	/	/	X	X	x	0	0	0	0	0	0	0	X	0
		Asdorf	1997	/	/	/	/	/	/	/	/	0	0	/	/	/	/	/	/	0	/	/	/	0	0	0	0	0
D	**Ahr**	Ahr	1995	/	/	/	/	/	/	X	0	0	X	X	0	0	0	?	0	XX	XX	0	XX	XX	XXX	X	XXX	X
D	**Nette**	Nette *	-	/	/	/	/	/	/	/	X	0	XX	X	X	X	0	X	0	X	0	X	0	XX	XX	0	XX	0
D	**Saynbach**	Saynbach	1994	/	/	/	/	/	/	XX	XX	XX	XXX	XXXX	XXXX	XX	XXXX	XXXX	XX	XX	XXX	X	X	XX	XX	XX	X	0
		Brexbach	1994	/	/	/	/	/	/	XXXX	XX	X	X	0	0	0	XXX	XX	XX	XX	0	0	0	0	0	0	0	0
D	**Moselle**	Elzbach	2005	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	XX	XX	XX	X
		Kyll	1996	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Prüm system	1996	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Lux/D		Sauer	1992	/	/	/	/	/	/	/	/	/	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Our	1992	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
D	**Lahn**	Mühlbach	1994	/	/	/	/	/	/	(X)	0	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
		Weil	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	/	/	/	0
		Dill	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
D	**Nahe**	Nahe	2004 / 2013	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	0	/	0
		Guldenbach	2013	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	0	X	0
D	**Wisper**	Wisper	1999	/	/	/	/	/	/	/	/	0	XX	XX	0	0	XX	XXXX	0	X	XX	0	0	XX	0	XXX	0	0
D	**Main**	Schwarzbach	2009	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	0	0	0	0	0	X	0	X	0
		Kinzig system (Hesse)	2001	/	/	/	/	/	/	/	/	/	/	/	/	0	/	/	/	/	/	/	?	0	/	/	/	/
D	**Alb**	Alb	2001	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	X	X	X	X	X	/	/
D	**Speyerbach**	Speyerbach/Rehbach	2013	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	XX	X
D/F	**(Wies)Lauter**	(Wies)Lauter	1991	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	X	X	X	X	X	X	X	X	X	XX
D	**Murg**	Murg	2001	/	/	/	/	/	/	/	/	/	/	/	X	X	X	/	/	/	X	X	X	X	X	/	/	/
F / D	**Rhine**	Rhine downstream Iffezheim	-	/	/	/	/	/	/	/	/	/	/	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/
D	**Rench**	Rench	2001	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
F	**Ill**	Ill	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	X	X	0	0	/	X	X	0
		Bruche	1991	/	X	X	X	X	(X)	X	X	X	X	X	X	X	X	X	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
		Giessen	1992	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	/	0	/	X	0	0
		Lièpvrette	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	/	/	/	/	0	0
		Fecht	1991	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	X	X	0	X	X	X	0	0
		Weiss	1991	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0	0	/	0	0	/	0	0
		Doller	1993	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
D	**Kinzig**	Kinzig (Baden-Württ.)	2001	/	/	/	/	/	/	/	/	/	/	X	/	/	/	/	/	X	X	X	/	X	X	X	X	X
D	**Elz-Dreisam**	Elz	2005	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	/	/
		Dreisam	2008	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
D	**Rheinaue**	Rheinauegewässer	-	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	X	/	/	X
F/D	**Rhein**	Restrhein (Altrhein)	1991	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
CH	**Wiese**	Wiese	1984	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
CH	**Birs**	Birs	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
CH	**Ergolz**	Ergolz	1995	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
				1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018

quality proof / individuals detected / samples taken from individual locations	X
qualitative evidence / returnees released upstream of obstacle	(X)
little success of reproduction (1 to ≤ 5 parr/100 m2)	XX
considerable success of reproduction (> 5 - 50 parr/100 m2)	XXX
extremely high rate of success of reproduction (> 50 parr/100 m2)	XXXX
Investigations carried through, no cases detected	0
no investigation	/
Evidence uncertain	?

	Spawning grounds (largely) accessible
	Spawning grounds partially accessible/accessible to a limited extent
	Spawning habitats not accessible/accessible in exceptional cases