Authors	Title	Year	Country	State/ Province	Name of River	Year (if multiple)	Spawning Habitat Location	Natural or Artificial	Size of Spawning Area	Species	Common Name	Life Stage	Outcome Type	Outcome (#)	Productivity Outcome Methods	Water velocity (m/s)	Depth (m)	Substrate	Physical Habitat Methods (if given)
Auer N.A. and Baker E.A.	Duration and drift of larval lake sturgeon in the Sturgeon River, Michigan	2002	United States	Michigan	Sturgeon River	1993	Downstream of Prickett Dam	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Larvae	Abundance	29	Start of larval sampling began 8-10 days after spawning and continued until no or few larvae were collected.	0.46-0.73			Water velocity: timing a float a known distance.
						1997								279		0.21-0.66			Water velocity: Marsh-McBirney Model 2000 or General Oceanics Model 2030R.
						1998								4		0.31-0.67			
						1999								5		0.40-0.66			
Bouckaert E.K., Auer N.A., Roseman E.F., and Boase J.	Verifying success of artificial spawning reefs in the St. Clair-Detroit River System for lake sturgeon (*Acipenser fulvescens* Rafinesque, 1817)	2014	United States	Michigan	St. Clair River	2010	North Channel of the lower St. Clair River (NCR)	Artificial	0.25 ha	*Acipenser fulvescens*	Lake Sturgeon	Larvae	Abundance	11	June 8, 9, and 29 from 21:00-02:00 hrs.	0.34-0.38	9.4-13.2	Coal clinker (0.25-12cm)	Water velocity: Marsh McBirney Flo-Mate Model 2000.
						2011	North Channel of the lower St. Clair River (NCR)							51	Three nights per week between June 13-July 13 and one night weekly July 13-30.	0.21-0.34	9.4-11.3		
						2012	North Channel of the lower St. Clair River (NCR)							81	One-two times per week between June 5 to July 2.	0.21-0.41	9.4-13.8		
							Middle Channel Reef (MCR)		0.4 ha					35		0.21-0.41	9.4-13.8	Angular limestone (10.2-20.3cm), rounded igneous rock (10.2-15.3cm), and 1:1 mix of both substrates.	
			Canada	Ontario	Detroit River		Fighting Island Reef (FIR)		0.33 ha					34	Twice weekly from May 15 to June 5 from 20:00-06:00 hrs on a 2-hour cycle.	0.55 - 0.70	6.5-9.8	Limestone shot rock (10-50cm), sorted limestone (5-10cm), rounded igneous rock (10-25cm), and a mix of all three substrates.	
Caswell N.M., Peterson D.L., Manny B.A., and Kennedy G.W.	Spawning by lake sturgeon (*Acipenser fulvescens*) in the Detroit River	2004	United States	Michigan	Detroit River		Zug Island	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Density	7.5 (eggs per m2)	Five Egg mats were deployed on May 5 and collected after three days.	0.35	11	Coal cinders (1-4cm) with scattered gravel (2-8cm).	Water velocity: Marsh McBirney Model 201. Depth: Boat mounted depth sounder. Substrate: From ponar samples at 12 randomly selected locations across three transects.
Chapman C.G. and Jones T.A.	First documented spawning of white sturgeon in the lower Willamette River, Oregon	2010	United States	Oregon	Willamette River		Willamette Falls	Natural	NA	*Acipenser transmontanus*	White Sturgeon	Egg	Density	3.2 (eggs per m2)	Ten 76x91 cm Egg mats were deployed on May 18 and retrieved on May 20.		6-16		
Chiotti J.A., Holtgren J.M., Auer N.A., and Ogren S.A.	Lake sturgeon spawning habitat in the Big Manistee River, Michigan	2008	United States	Michigan	Big Manistee River	2003	Tippy Dam rkm 1.4	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	2277	Sampled from May 5 to June 5 and retrieved every 3 days from May 5-15 and at least every 6 days afterwards.	0.34 - 0.9	1.9-2.2	Pebble (43%) and Cobble (41%).	Water velocity: Marsh-McBirney Model 2000. Substrate: Images taken on a Splash-Cam underwater video camera and analyzed using a computer program.
						2004	Tippy Dam rkm 1.4	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	1136	Sampled from April 26 to May 27, mats retrieved every 6 days.	0.9	2.8	Pebble (44%) and Cobble (43%).	
							Tippy Dam rkm 8.8	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	500	Sampled from April 26 to May 27, mats retrieved every 6 days.	1.11	1.9	Pebble (46%) and Cobble (34%).	
D'Amours J., Thibodeau S., and Fortin R.	Comparison of lake sturgeon (*Acipenser fulvescens*), *Stizostedion spp., Catostomus spp., Moxostoma spp* ., quillback (*Carpiodes cyprinus*), and mooneye (*Hiodon tergisus*) larval drift in Des Prairies River, Quebec	2001	Canada	Quebec	Des Prairies River	1994	Downstream of Des Prairies River powerhouse and spillway	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Larvae	Abundance	1350	Nets set between 21:00-04:00 hrs for 45-60 minutes from May 19 to June 19.	0.74	3.9		Water velocity: Price-Gurley Model 1210 and a General Oceanics flow meter. Depth: Lowrance K-16 or an Eagle Supra Pro LD echosounder.
						1995								607	Nets set between 21:00-24:00 hrs for 45-60 minutes from May 15 to June 22.	0.86	5.29		
Dammerman K.J., Steibel J.P., and Scribner K.T.	Relative influences of microhabitat incubation conditions and genetic parentage effects on lake sturgeon (*Acipenser fulvescens*) offspring traits during early ontogeny	2020	United States	Michigan	Upper Black River		Between Black Lake Streamside Rearing Facility and Black Lake	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	541	Daily sampling from beginning of May to mid-June. Kick net was used to capture eggs dislodged from sampling along seven transects.	1.1	0.79	Mean of 11.74 mm (± 5.39 SD) and range of 3.58-33.83 mm.	Water velocity: Marsh McBirney flow meter. Substrate: Photos taken of substrate and measured using a computer program.
Flowers H.J., Pine III W.E., Dutterer A.C., Johnson K.G., Ziewitz J.W., Allen M.S., and Paruka F.M.	Spawning site selection and potential implications of modified flow regimes on viability of gulf sturgeon populations	2009	United States	Alabama/Georgia/Florida	Apalachicola River	2005	rkm 170.6	Natural	NA	*Acipenser oxyrinchus desotoi*	Gulf Sturgeon	Egg	Abundance	21	Sampling start times were dependent on timing of telemetry-tagged adults and ended when temperatures reached 25°C. Between 2-67 Egg Collectors were deployed and checked every 48-72 hrs.	0.93	3.5		Water velocity: Marsh-McBirney Flo-Mate 2000.
						2006	rkm 160.1							180		0.75	3.9		
							rkm 170.6							11		0.81	3.4		
						2008	rkm 160.1							204		0.68	3.3		
							rkm 161.4							36		0.7	2.5		
														42		0.71	3.3		
Fox D.A., Hightower J.E., and Paruka F.M.	Gulf sturgeon spawning migration and habitat in the Choctawhatchee River system, Alabama–Florida	2000	United States	Alabama/Florida	Choctawhatchee River/Pea River	1997	Choctawhatchee/Pea	Natural	NA	*Acipenser oxyrinchus desotoi*	Gulf Sturgeon	Egg	Abundance	42	Egg Collectors were deployed from April 4-May 13 at six locations.		1.4-7.9	Substrates were limestone (21/24), with some noted to be limestone-gravel (2), and one noted as sand (1/24).	
Johnson J.H., Lapan S.R., Klindt R.M., and Schiavone A.	Lake sturgeon spawning on artificial habitat in the St. Lawrence River	2006	United States	New York	St. Lawrence River	1995	T1	Artificial	1296 m2	*Acipenser fulvescens*	Lake Sturgeon	Egg	Density	175.7 (eggs per m2)	One gang of three Egg mats was deployed on June 7 and retrieved on June 9.	0.46		Made up of 76-102 mm crushed limestone (cobble).	Water velocity: Marsh-McBirney Model 201-D.
							T2							0 (eggs per m2)		0.37			
						1996	Transect 1							145 (eggs per m2)	All three transects were sampled on June 17, 18, and 19, transects two and three were also sampled on June 21.	0.6			
							Transect 2							22.4 (eggs per m2)		0.52			
							Transect 3							3.8 (eggs per m2)		0.42			
Neuenhoff R.D., Withers J.L., Davis L.A., Markley N.D., Dowell S., Bartron M.L., Gorsky D., and Sweka J.A.	Discovery of an undocumented lake sturgeon spawning site in the headwaters of the Niagara River	2018	United States	New York	Niagara River		Bird Island Reef	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	86	Egg mats in gangs of three were deployed from May 10 to June 13.		2.63		
Paragamian V.L., Kruse G., and Wakkinen V.	Spawning Habitat of Kootenai River White Sturgeon, Post-Libby Dam	2001	United States	Idaho	Kootenai River	1991	Bonners Ferry	Natural	NA	*Acipenser transmontanus*	White Sturgeon	Egg	Abundance	13	Gangs of three mats deployed within rkm 244.7-255 (retrieved weekly).	0.9		Gravel-cobble	Water velocity: Marsh McBirney Model 2000 or 201. Substrate: Visual inspections along transects by boat or SCUBA diving.
						1993								2	Gangs of three or five mats deployed between rkm 226 and 259 (retrieved every 2-13 days).	0.83	3		
						1994								213	Mats deployed every 0.5 km within rkm 228-245.6 (retrieved daily).	0.25	8.5	Sand with pockets of gravel.	
						1995								162	Mats deployed between rkm 215-246 (retrieved daily).	0.19	11		
						1996								349	Mats deployed between rkm 228-247.7 (retrieved daily).	0.22	11.6		
						1997								75	Mats deployed between rkm 227-247 (retrieved daily).	0.67	13.3		
						1998								393	Unknown (retrieved daily).	0.61	11.4		
Poytress W.R., Gruber J.J., Van Eenennaam J.P., and Gard M.	Spatial and temporal distribution of spawning events and habitat characteristics of sacramento river green sturgeon	2015	United States	California	Sacramento River	2008	rkm 424.5 (mf)	Natural	NA	*Acipenser medirostris*	Green Sturgeon	Egg	Abundance	12	Two to four pairs of 89x61m furnace filter Egg mats within a steel frame were deployed at each site throughout the spawning season and were inspected every 72-96 hours.	0.7	4.2		
							rkm 377 (ac)							29		1	5.2		
						2009	rkm 424.5 (mf)							9		0.4	5.5		
							rkm 407.5 (tb)							2		0.7	8.1		
							rkm 377 (ac)							43		1	4.8		
						2010	rkm 424.5 (mf)							93		0.7	6.8		
							rkm 407.5 (tb)							1		1	3.7		
							rkm 377 (ac)							9		1	3.9		
							rkm 366.5 (rbarn)							1		0.2	6.1		
						2011	rkm 426 (ic)							6		1	9.2		
							rkm 332.5 (GCID)							1		1.7	7		
						2012	rkm 426 (ic)							16		0.7	7.4		
							rkm 424.5 (mf)							39		0.7	7.1		
							rkm 332.5 (GCID)							3		0.9	7.6		
Roseman E.F., Adams E., DeBruyne R.L., Gostiaux J., Harrington H., Kapuscinski K., Moerke A., and Olds C.	Lake sturgeon (*Acipenser fulvescens*) spawn in the St. Marys River Rapids, Michigan	2020	United States	Michigan	St. Marys River	2018	St. Marys Rapids	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	11	Gangs of three Egg mats were inspected once per week. In 2018, 26 locations were sampled and in 2019, 15 locations were sampled.	0.39	4.13		Water velocity: digital electronic flow meter.
						2019								45			3.4		
						2018						Larvae	Abundance	21	Sampled July 6-28, 2018 and July 16, 2019, and fished at night from 22:00-04:00 hrs.	0.33	6.27		Water velocity: digital electronic flow meter averaged over a single 40-second interval.
						2019								1			7.1		
Roseman E.F., Manny B., Boase J., Child M., Kennedy G., Craig J., Soper K., and Drouin R.	Lake sturgeon response to a spawning reef constructed in the Detroit river	2011	Canada	Ontario	Detroit River	2009	Upstream of Fighting Island	Artificial	3300 m2	*Acipenser fulvescens*	Lake Sturgeon	Egg	Density	102 (eggs per m2)	Gangs of three Egg mats were inspected once per week. In 2008, samples were collected on May 5, 12, and 18 and in 2009, on May 12 and 18.	≥0.8	5-8	Limestone (10-50cm), 5-10cm diameter limestone, rounded igneous rock (10-25cm), and a mix of all three substrates.	
						2010								12 (eggs per m2)		≥0.8	5-8		
						2009						Larvae	Abundance	7	May 19-21 and 26-27, 2009 and set from 21:00-02:00 hrs.	≥0.8	5-8		
Sulak K.J. and Clugston J.P.	Early life history stages of gulf sturgeon in the Suwannee River, Florida	1998	United States	Florida	Suwannee River	1995	215 rkm	Natural	NA	*Acipenser oxyrinchus desotoi*	Gulf Sturgeon	Egg	Density	0.7 (eggs per m2)	Eighty Egg Collectors were deployed and examined at least every other day.	0.2-1.2	2-4	Substrate at 43/49 eggs locations was limestone bedrock overlain by 0-10 cm of a matrix of sand and gravel-cobble.	
						1996							Abundance	368	From February 29 to May 7, 48 Egg Collectors and 16 two-layer collectors were retrieved every third day, except for when there were eggs and were checked at least every other day.		1.8-6.4		Water velocity: Gurley meter.
Thiem, J.D., Hatin, D., Dumont, P., Van Der Kraak, G., and Cooke, S.J.	Biology of lake sturgeon (*Acipenser fulvescens*) spawning below a dam on the Richelieu River, Quebec: behaviour, egg deposition, and endocrinology	2013	Canada	Quebec	Richelieu River		Downstream of the St. Ours Dam	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Egg	Abundance	136	A 17x4 grid (68 egg mats) was sampled on May 30, June 2 and 6.	0.52-1.27 (0.93±0.02)	4.24-7.78 (6.05 ± 0.14)	Fine and Coarse Gravel	Water velocity: Gurley Price meter.
Welsh A.B., Baerwald M.R., Friday M., and May B.	The effect of multiple spawning events on cohort genetic diversity of lake sturgeon (*Acipenser fulvescens*) in the Kaministiquia River	2015	Canada	Ontario	Kaministiquia River	2005	Kakabeka Falls	Natural	NA	*Acipenser fulvescens*	Lake Sturgeon	Larvae	Abundance	479	276 net sets from June 2-28.	0.32-0.66	0.17-0.74		
						2006								279	216 net sets from June 1-20.	0.15-0.67	0.27-0.60		
2019 DFO Sampling	Appendix A	2019	Canada	Ontario	Musquash River	2019	Musquash A	Artificial	NA	*Acipenser fulvescens*	Lake Sturgeon	Larvae	Abundance (Average larvae per net ± Standard Error (n))	1.1 ± 0.6 (32)	Set from June 11-26 and retrieved daily.		2.7	Primarily boulder substrates with some cobble and bedrock with areas of gravel/cobble nearshore.	
							Musquash B	Natural						0.4 ± 0.3 (27)			3.7	Bedrock substrates with large boulders.	
					Moon River		Moon A	Artificial						7.7 ± 1.7 (59)	Set from June 12-26 and retrieved daily.		2.4	Cobble and boulder substrates.	
							Moon B	Natural						1.3 ± 0.8 (6)			1.6		
					Goulais River		Goulais							0 (50)	Set from June 11-28 and retrieved daily.		0.8	Primarily cobble and boulder substrates with gravel deposits in interstitial spaces.	
					Musquash River		Musquash A	Artificial				Egg	Density (Average eggs per m2 ± Standard Error (n))	0 (45)	Sampled May 8 to June 13, mats retrieved every second day.		1.6	Primarily boulder substrates with some cobble and bedrock with areas of gravel/cobble nearshore.	
							Musquash B	Natural						171.7 ± 168.7 (15)	Sampled May 24 to June 13, mats retrieved every second day.		1.4	Bedrock substrates with large boulders.	
					Moon River		Moon A	Artificial						0 (45)	Sampled May 23 to June 16, mats retrieved every second day.		1.5	Cobble and boulder substrates.	
					Goulais River		Goulais	Natural						0.3 ± 0.3 (44)	Sampled May 17 to June 10, mats retrieved every second day.		3	Primarily cobble and boulder substrates with gravel deposits in interstitial spaces.	