

Appendix E. Current Atlantic Sturgeon and Shortnose Sturgeon Research and Enhancement Permits and Authorized Research Activities on Wild Fish under Section 10(a)(1)(A) Permits.

Permit No. & Target Species	Location	Take Authorized	Research Activities
Atlantic Sturgeon Permit No. 16526 Expires: 4/6/2017	Gulf of Maine Rivers & Coastal Areas	875 ATS adult/ sub-adult/ juv, 300 ELS, 3 Incidental mortalities	Capture, handle, measure, weigh, PIT tag, Floy/T-bar tag, tissue sample, internal tag, external tag, blood sample, apical spine sample, fin ray, anesthetize, borescope, lavage, collect ELS
Shortnose Sturgeon Permit No. 16306 Expires: 5/21/2017	Gulf of Maine Rivers & Coastal Areas	1,805 SNS adult/ juvenile 210 (Directed Mortality) ELS	Capture, handle, measure, weigh, tissue sample, PIT tag, surgery/acoustic tag, lavage, blood, fin ray ,anesthetize, collect ELS
Shortnose Sturgeon Permit No. 16549 Expires 4/1/2018	Upper Conn & GOM Rivers	300 SNS adult/ juvenile 150 (Directed Mortality) ELS	Capture, handle, measure, weigh, PIT tag, genetic tissue sample, borescope, anesthetize, and externally sonic tag, collect ELS
Atlantic Sturgeon Permit No. 16323 Expires: 4/6/2017	Lower Connecticut River & Long Island Sound	200 ATS adult/sub-adult & juveniles	Capture, handle, weigh, measure, PIT, Floy tag, acoustic tag, tissue sample, anesthetize, fin ray
Atlantic Sturgeon Permit No. 16422 Expires: 4/6/2017	Coastal Water (Long Island Sound to Delaware River)	325 ATS adult/sub-adult & juveniles	Capture, handle, measure, weigh, PIT, dart tag, tissue sample, fin- ray section, anesthetize, blood, gill biopsy, external/PSAT tag,
Atlantic and Shortnose Sturgeon Permit No. 16436-01 Expires: 4/6/2017	Hudson River & Estuary	2,113 ATS adult/sub-adult & juveniles 3 mortalities	Capture, handle, measure, weigh, dart tag, PIT tag, genetic tissue sample, anesthetize, gastric lavage, internal tag, external tag
		2,523 SNS adult/ juveniles 3 mortalities	
Atlantic and Shortnose Sturgeon Permit No. 17095-01 Expires 8/28/2017	Hudson River (Utility Trawl)	200 ATS adult/ sub-adult & juveniles	Capture, handle, measure, weigh, scan for tags, PIT tag, Dart tag, photograph, tissue sample, release, collect ELS
		40 ATS ELS 82- SNS adult/ juveniles 40 ELS	
Atlantic and Shortnose Sturgeon Permit No. 16507-01 Expires: 4/6/2017	Delaware Coastal Waters & Delaware River	410 ATS adult/sub-adult & 100 juveniles	Capture, handle, weigh, measure, Floy, PIT, genetic tissue sample; anesthetize, fin ray section, gonad tissue sample, internal sonic tag, external satellite tag, collect ELS
		250 ELS 100 SNS juvenile	

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<i>Permit No. & Target Species</i>	<i>Location</i>	<i>Take Authorized</i>	<i>Research Activities</i>
Atlantic and Shortnose Sturgeon Permit No. 19331 Expires: 6/30/2021	Delaware River & Estuary	530 ATS adult/sub-adult & juveniles 500 ELS 2 mortalities	Capture, handle, weigh, measure, Floy tag, PIT tag, genetic tissue sample, anesthetize, internal acoustic tag, gastric lavage, collect ELS
		500 SNS adult/juveniles 500 ELS	
Atlantic and Shortnose Sturgeon Permit No. 19255 Expires 2/05/2021	Delaware River & Estuary	275 ATS adult/sub- adult/juv 1 mortality	Capture, handle, measure, weigh, Floy tag, PIT tag, tissue sample, anesthetize, internal sonic tag,
		75 SNS adult/ juvenile 1 mortality	
Atlantic Sturgeon Permit No. 16547-01 Expires: 4/6/2017	Chesapeake Bay and Tributaries (MD and VA)	475 ATS adult/sub- adult/juv 50 ELS, 3 mortalities	Capture, handle, measure, weigh, Floy, PIT tag, tissue sample, anesthetize, external sonic tag, internal sonic tag, collect ELS
Atlantic and Shortnose Sturgeon Permit No. 19642 Expires: : 6/30/2021	Chesapeake Bay and Tributaries, (MD, VA, DE) & Coastal Rivers and Marine	575 ATS adult/sub- adult/juv 500 ELS, 2 mortalities	Capture, handle, measure, weigh, Floy, PIT tag, tissue sample, anesthetize, external sonic tag, internal sonic tag, collect ELS
		100 SNS adult/juvenile 500 ELS 1 mortality	
Atlantic Sturgeon Permit No. 16375 Expires: 4/6/2017	North Carolina Rivers & Albemarle Sound	200 ATS adult/sub- adult/juvenile	Capture, handle, weigh, measure, PIT tag, Floy tag, genetic tissue sample, anesthetize, internal tag
Atlantic Sturgeon Permit No. 16442 Expires: 4/6/2017	South Carolina Rivers	350 ATS adult/sub-adult /juv 100 ELS	Capture, handle, measure, weigh, PIT dart tag, genetic tissue sample, anesthetize, internal acoustic tag, laparoscopy, blood sample, gonad biopsy, collect ELS
Shortnose Sturgeon Permit No. 15677 Expires:5/31/2017	South Carolina Rivers	154 SNS adult/juvenile 100 ELS	Capture, handle, measure, weigh, PIT dart tag, genetic tissue sample, anesthetize, internal acoustic tag, gonad biopsy, ELS

Appendix E. continued

<i>Permit No. & Target Species</i>	<i>Location</i>	<i>Take Authorized</i>	<i>Research Activities</i>
<i>Atlantic and Shortnose Sturgeon</i> <i>Permit No. 16482 Expires: 4/5/2017</i>	<i>Georgia/Florida Rivers & Estuaries</i>	<i>3,474 ATS adult/sub-adult & juvenile 250 ELS 6 mortalities</i>	<i>Capture, measure; weigh; PIT tag; Floy/T-bar tag; genetic tissue; anesthetize; blood sample, laparoscope, biopsy, internal/external tag, fin ray sample, lavage</i>
		<i>940 SNS adult/juvenile 300 ELS</i>	
<i>Atlantic Sturgeon</i> <i>Permit No. 16508 Expires: 4/5/2017</i>	<i>Florida/Georgia Rivers & Estuaries</i>	<i>20 ATS St. Marys, GA/FL</i>	<i>Capture, handle, measure, weigh, tissue sample, PIT tag, Foy tag, external sonic tag</i>
		<i>20 ATS Nassau, FL</i>	
		<i>20 ATS St. Johns, FL (Adult/sub-adult/juvenile)</i>	