

Life history and behaviour of Connecticut River Shortnose and other sturgeons

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Chapter 1 introduces the shortnose sturgeon biology in the Connecticut River system, demonstrating the impact of damming.

Chapter 2 examines the spring upstream migration focussing also on the demography of the population.

Chapter 3 examines the spring migration of spawning and non-spawning fish while

chapter 4 provides a comparison of the foraging and wintering behaviour of two populations of shortnose sturgeon in the Connecticut and Merrimack rivers.

Chapter 5 identifies the timing of wintering behaviour and locations while

chapter 6 reports on the spawning behaviour.

Chapters 7 and 8 report on experimental work to examine behaviour.

Chapter 9 deals with lifetime movements of Connecticut River shortnose sturgeon. Morphology and osteology are examined in

Chapter 10 while **chapter 11** presents the first information on the use of any fish ladder design by shortnose sturgeon.

Chapter 12 deals extensively with the long-term effects of various bio-telemetry attachment methods on shortnose sturgeon and summarizes information gained over decades on tagging and recapture.