

Scientific Name: *Lampsilis cariosa*

COMMON NAME: Yellow lampmussel

GLOBAL RANK: G4

STATES & PROVINCES:

CA: NB, NS

US: CT, DE, GA, MA, MD, ME, NC, NJ, NY, PA, SC, VA

STATE/PROVINCIAL STATUS:

<u>STATE/PROV</u>	<u>SRANK</u>	<u>SPROT</u>	<u>TREND</u>	<u>TREND COMMENT</u>
NB	S?			Current status unknown
NS	S?			Current status unknown
CT	SH	E	D	No known extant populations
DE	SH		D	No known extant populations; 2 historic records
GA	S1S2		D	Four known extant occurrences as of 1991 incl. Ogeechee & Savannah rivers
MA	S1	E	D	One live individual recently found in power company canal; formerly locally common in Connecticut River
MD	SH		D	No known extant populations; no definitive historical records known although undoubtedly occurred
ME	S2		S	13 EOs currently known; healthy populations only known to exist in the West Branch of the Mattawamkeag River and the St. George River and its associated chain of ponds and lakes
NC	S1	T	D	Five "good" and nine "fair" to "poor" populations known in 2/93; range reduced and little evidence of reproduction
NJ	S1		D	Current status uncertain; recent Delaware River records
NY	S3		D	In 1991, 11 extant and 20-25 additional historic occurrences
PA	S3S4		D	Several good populations remain (in Susquehanna R and Juniata R.)
SC	S1S2		U	Uncertain status in lowland rivers
VA	S2		D	Only one good population out of 17 possibly extant occurrences in 1991.

SUMMARY & RECOMMENDATIONS:

Reported historical records in NH, VT, and WV could not be confirmed and may be in error. Although significant declines have occurred throughout the species range, the species appears to be stable with at least a couple of healthy populations in Maine, and a number of fair/good populations persist in the southern portion of the range despite pollution (e.g., Susquehanna R. at Harrisburg). Recommend retention in Category 2 pending additional survey and monitoring and threat evaluation.

OCCURRENCES, BY STATE (ME & NY as of 4/94, NC & VA as of 3/92 ONLY):

<u>STATE</u>	<u>EO #</u>	<u>EORANK</u>	<u>LAST OBSERVED</u>	<u>COMMENTS</u>
ME	003		1984	2 live, 20+ dead; pop. est. ca 100
	004		1984	1 live, , 50 shells
	005			4 valvees
	006			2 valves
	007		1984	6 valves, no live
	008		1984	24 valves, no live but probably there
	009		1993	likely "common"
	010		1993	"common"
	011		1993	"common"
	012		1984	1 live, 7 valvees
	013		1985	1 valve
	014		1985	1 dead shell
	015		1986	2 valves
			1993	[St. George R.] likely "common"
			1993	[Stillwater R.]; 1 dead shell
		1993	[E. Br. Pleasant R.]; 1 dead shell	
		1992	[Upper Jo Mary Lake]; 2 dead shells	
NC	001	C	1989-10	ONE GRAVID FEMALE FOUND. SANDY SUBSTRATE WITH SILT AND CLAY ALSO PRESENT. ADDITIONAL MUSSELS OBSERVED INCLUDE ELLIPTIO STEINSTANSANA, E. LANCEOLATA, E. SPP., FUSCONAIA MASONI, LAMPSILIS RADIATA, AND ALASMIDONTA UNDULATA.
	002	A	1991-05-28	POPULATION APPEARS TO BE HEALTHY (ALDERMAN, PERS. COMM.). SUBSTRATE CONSISTS OF SAND, GRAVEL, COBBLES, AND BEDROCK. ALDERMAN ALSO RECORDS FOR THIS SITE ELLIPTIO STEINSTANSANA, E. SPP., FUSCONAIA MASONI, ALASMIDONTA UNDULATA, STROPHITUS UNDULATUS, VILLOSA CONSTRICTA, AND V. DELUMBIS.
	003	C	1988-05-26	LIVE ANIMALS SEEN BY ALDERMAN; SYMPATRIC WITH ELLIPTIO STEINSTANSANA, E. LANCEOLATA, ALASMIDONTA UNDULATA, FUSCONAIA MASONI, STROPHITUS UNDULATUS AND VILLOSA CONSTRICTA. SUBSTRATE CONTAINS SILT, CLAY, SAND AND GRAVEL
	004	B	1988-06-01	JOHN ALDERMAN FOUND LIVING SPECIMENS ON JUNE

			1, 1988. ASSOCIATED SPECIES INCLUDE ALAS MIDONTA UNDULATA, ELLIPTIO STEINSTANSANA, ELLIPTIO LANCEOLATA, FUSCONAIA MASONI, LAMPSILIS RADIATA, STROPHITUS UNDULATUS, AND VILLOSA CONSTRICTA. THE SUBSTRATE IS COMPOSED OF SAND AND GRAVEL.
005	X?	1987-07-01	ALDERMAN DID NOT RECORD ANY OTHER SPECIES OF MUSSELS AT THIS SITE.
006	C	1988-06-22	1 LIVE SPECIMEN FOUND BY J. ALDERMAN; IN ASSOCIATION WITH LAMPSILIS RADIATA. SUBSTRATE CONSISTS OF SAND AND SILT.
007	AB	1990	LIVE ANIMALS FOUND BY J. ALDERMAN; OCCURRING WITH ELLIPTIO SPP., ALAS MIDONTA UNDULATA AND L. RADIATA; SUBSTRATE IS SANDY.
008	C	1991-07-17	JOHN ALDERMAN COLLECTED 4 SPECIMENS ON SEPT. 17, 1986. SYMPATRIC WITH ELLIPTIO LANCEOLATA. SEVERAL LIVE SPECIMENS OBSERVED IN 1991. TAR RIVER; BEDROCK, COBBLES, FINE AND COARSE SAND
009	C	1987-08-05	JOHN ALDERMAN COLLECTED THREE LIVE SPECIMENS ON SEPT. 17, 1986. SYMPATRIC WITH ELLIPTIO LANCEOLATA. 1 SHELL FOUND IN 1987. TAR RIVER; WATER CLEAR; MOST MOLLUSKS TAKEN BELOW RIFFLES IN COARSE AND FINE SAND.
010	C	1986-09-17	JOHN ALDERMAN COLLECTED ONE LIVE SPECIMEN ON SEPT. 17, 1986. SYMPATRIC WITH ELLIPTIO LANCEOLATA WATER SLOW, CLEAR; LESS THAN 2 FEET DEEP; BOTTOM MIXED COBBLES, SAND, GRAVEL; SILT HEAVY NEAR SHORE.
011	C	1989-05-22	JOHN ALDERMAN FOUND FOUR LIVE INDIVIDUALS IN 1986; 2 LIVE IN 1987; 1 LIVE AND 1 SHELL IN 1989. SYMPATRIC WITH FUSCONAIA MASONI, E. LANCEOLATA, E. COMPLANATA, AND E. ICTERINA. RIVER FULL OR COARSE SAND; MUCH OF

	012	C	1991-06-07	RIVER LESS THAN 1 FOOT DEEP AND VERY CLEAR. 2 LIVE SPECIMENS AND 7 SHELLS FOUND BY J. ALDERMAN IN 1988. SEVERAL SHELLS OBSERVED BY S. HALL IN 1991. SYMPATRIC WITH ALASMIDONTA UNDULATA, VILLOSA CONSTRICTA, LASMIGONA SUBVIRIDIS, STROPHITUS UNDULATUS, FUSCONAIA MASONI, ELLIPTIO ICTERINA, E. COMPLANATA. CLEAR STREAM WITH RIFFLE HABITAT. CANOPY ABOVE THE STREAM IS OPEN IN PLACES, ALLOWING GROWTH OF JUSTICIA BEDS.
	013	B	1990-07-12	FIFTEEN PLUS LIVE SPECIMENS FOUND BY JOHN ALDERMAN. SYMPATRIC WITH FUSCONAIA MASONI, L. SPLENDIDA, ELLIPTIO FOLLICULATA, E. PRODUCTA, E. COMPLANATA, AND E. ICTERINA. VA001C 1990-07-064 LIVE MALES OBSERVED, 1 FEMALE LIVE OBSERVED. 7 FRESH DEAD FOUND.
NY	001	B	1988-06-09	2 adults in 45 min with 4 searchers
	002	B	1991-08-11	9 alive (aged 2-6+ yrs), 20 dead
	003	C	1991-08-11	3 live (aged >5 yrs) & valves from 5 dead
	004	C	1991-08-25	1 female (8+ yrs) & valves from 5 dead
	005	B	1991-08-25	15 live (aged 4-15 yrs) & 5 dead
	006	D	1991-07-28	1 live & >12 dead
	007	B	1991-09-01	4 live
	008	C	1991-09-01	5 live & 1 dead
	009	C	1991-08-18	3 ad. females, one in reprod. condition
	010	C	1991-08-18	2 live females
	011	B	1991-08-16	16 live
	012	E	1991-05-29	2 recent valves from a midden
	013	E	1991-05-29	1 recent male valve from a midden
	014	E	1991-05-13	7 recent valves from a midden
VA	002	D	1990-10-21	ONLY ONE FRESH DEAD MALE FOUND.
	003	C	1989-11-13	LIVE FEMALE AND MALE OBSERVED MOST ON SIDE ON GRAVEL BARS. SEVERAL FRESH DEAD WERE TAKEN. MOST > 4 YEARS.

004	D	1989-10-06	1 RELIC.
005	D	1989-05-23	DEAD ONLY.
006	X	1990-06-27	CORBICULA IN TREMENDOUS NUMBERS, RIVER NOT HEALTHY IN APPEARANCE. DEAD SHELLS NUMBERS.
007	D	1990-06-27	5 FRESH DEAD FOUND. NO LIVE.
008	D	1990-06-27	NO LIVE INDIVIDUALS. SEVERAL SMALL INDIVIDUALS FOUND DEAD AND FRESH DEAD.
009	D	1990-09-10	ONE RELIC OBSERVED.
010	D	1990-09-10	ONLY 1 FRESH DEAD. 4 RELICS, NO LIVE OBSERVED.
011	D	1990-06-08	NO LIVE INDIVIDUALS. ONE LARGE MALE INDIVIDUAL FOUND FRESH DEAD.
012	A	1990-08-20	VARIOUS SIZE CLASSES PRESENT, WIDESPREAD IN AREAS SEARCHED. SOME EVIDENCE OF REPRODUCTION. NO SERIOUS THREATS ENVISIONED. WATER NEEDS TO BE CLEANED UP, PARTICULARLY SEWAGE OUTFALL.
013	D	1990-07-29	ONLY DEAD FOUND. APPARENTLY HIGH QUALITY HABITAT. NEEDS FURTHER INVENTORY. VERY LITTLE SIGN OF HUMAN [DISTURBANCE].
014	C	1991-09-06	1 LIVE COLLECTED.
015	D	1991-09-06	1 FRESH, PAIRED VALVES COLLECTED. HABITAT CONDITION MODERATE, DEGRADED BUT SOMEWHAT RECOVERABLE.
016	U	1972-	
017	U	1972-	
018	U	1971-09-07	
019	U		1 PAIRED VALVE.