

Scientific Name: *Alasmidonta varicosa*

COMMON NAME: Brook Floater

GLOBAL RANK: G3

STATES & PROVINCES:

CA: NB, NS

US: CT, DE, MA, MD, ME, NC, NH, NJ, NY, PA, RI, SC, VA, VT, WV

STATE/PROVINCIAL STATUS:

<u>STATE/PROV</u>	<u>SRANK</u>	<u>SPROT</u>	<u>TREND</u>	<u>TREND COMMENT</u>
NB	S1S2		?	Historical records from Renous & Petitcodiac rivers (Clayrke 1981); current status unknown
NS	S1S2		?	Historical records from Wallace, La Have, St. Mary, Annapolis, & Stewiacke rivers (Clarke 1981); current status unknown
CT	S1	SC	D	One known extant occurrence; at least eight historic occurrences
DE	SH		D	One historic record; extirpated?
GA	SRF			One erroneous historic record (Clarke 1981)
MA	S1	E	D	Five EOs in four streams since 1979; absent from at least 10 additional historic sites
MD	S1	PE	D	Only 3 known extant occurrences out of 12+ historic sites; 106 locations searched in FYS92-93
ME	S2		S	As of the 1980s, known from 7 EOs on 6 rivers; 5 of these reconfirmed and 7 new EOs on 6 rivers were found in 1992; 5 new EOs on 5 rivers were found in 1993. 12-23 EOs total extant on 12 rivers, 1 historic EO (river) of unknown status, & 2 recent EOs (rivers) of unknown status (dead shells only)
NC	S2	T	D	Always uncommon, only one sizable population known & 9 smaller pops
NH	S1S2	E	S?	Seven EOs known, most discovered in past two years
NJ	S1		D	Approx. 9 historical occurrences; only one known extant occurrence
NY	S1		D	Four known extant EOs; 15-20 historic EOs; one very large (50K?) population
PA	S1		D	Significant decline! Only two recent records of recently dead individuals in eastern PA and one patchy 10-15 km EO in western PA; 40+ historic EOs
RI	SH		D	One historic record
SC	S1		?	Only known by Alderman (2/16/94 letter to be extant in Stevens and Turkey creeks
VA	S1	T	D	Recent sharp declines in N. Fork Shenandoah
VT	S1		S?	All occurrences in one river; good population but sedimentation a problem
WV	S1		S?	Recorded from 6 streams; found at 12 of 19 stations on Patterson Creek in 1993

SUMMARY & RECOMMENDATIONS:

Significant declines have occurred south of New England, and the species no longer occurs at most of its historic stations. However, a number of very healthy populations have been discovered in the past four years in NY, VT, NH, and ME with the aid of USFWS funding support. Recommend retention in Category 2.

EXTANT(?) OCCURRENCES, BY STATE:

<u>STATE</u>	<u>EO#</u>	<u>EORANK</u>	<u>LAST OBSERVED</u>	<u>COMMENTS</u>
CT	003	E	1993-10-26	
MA	002		1979-08-27	
	004		1980-10-27	
	005		1982-10-01	
	001		1986-06-16	dozens observed; est. hundreds
	003	B	1988	dozens observed
MD		D	1992	(Potomac R. at Cherry Run); 2 live indiv. in 3 hr search
		D	1992	(Monocacy R.); 1 live indiv. found
		D	1990	(Conococheague Creek); one recently dead shell
ME	002		1992	17+ observed
	004		1992	3 observed
			1992	(W Br Sheepscot R.); 17 observed
	001		1992	>50 observed
			1992	(E Br Mattawamkeag R.); 29+ observed
			1992	(Mattawamkeag R.); 31+ observed
	005/6	A?	1992-07-12	>50 observed
	003		1985-09-23	
	007	A?	1992	32+ observed in spot-checking of 5-6 miles (Wytovitlock Stream); 8 observed
	008		1993	60 observed
		1993	(Penobscot R.); 2 dead shells only	
		1993	(Kenduskeag stream); 34+ observed	
		1993	(Allen stream); 3 observed	
		1993	(Machias River); 1 dead shell only	
NC	[SEE ATTACHED 2/16/93 SUMMARY]			
NH	005	AB	1992-3	(Merrimack R.)
	006	B	1992-93	(Soucook R.)
		AB	1992-93	(Suncook R.)
		A	1992-93	(Piscataquog R.)
	002	D	1990	< 20 adults? (previously est. 100+)
	AB	1992-93	(Sugar R., Croyden Branch)	

NJ			1991-08-14 1992-08-19	One freshly dead found (Stony Brook) One live found
NY	001	E	1985-90	D. Strayer has found 1 live individual here est. 48,000 individuals 2 adults; prob. a sparse pop. here (perhaps few dozen per mile of stream) 1 live adult; pop. very sparse, perhaps dozens per stream mile 1 live observed; pop. widely distributed & small 2 live found 1 live found; no evidence of reprod.
	002	A	1991	
	005	BC	1990-07-11	
	006	BC	1990-07-11	
	007	E	1985-90	
	008	C	1990-08-04	
	009	D	1991-07-28	
PA			[SEE ATTACHED PRINTOUT]	
SC			[SEE ATTACHED ALDERMAN LETTER]	
VA	002	D	1990-06-27	Several fresh dead found ca 50 dead & fresh dead found, but no liv individuals dead shells only observed several relict shells found several relict shells found several fresh dead shells found One stressed live individual found; road widening impacting site 2 adults 1 adult
	003	D	1990-06-26	
	004	X	1990-06-27	
	005	D	1990-09-11	
	006	D	1990-09-11	
	007	D	1990-09-10	
	008	D	1991-09-24	
	010	U	1938-07-18	
	011	U	1949-07-30	
VT			[SEE ATTACHED PRINTOUT & 1991-92 STATUS REPORTS]	
WV			[SEE ATTACHED LETTER]	