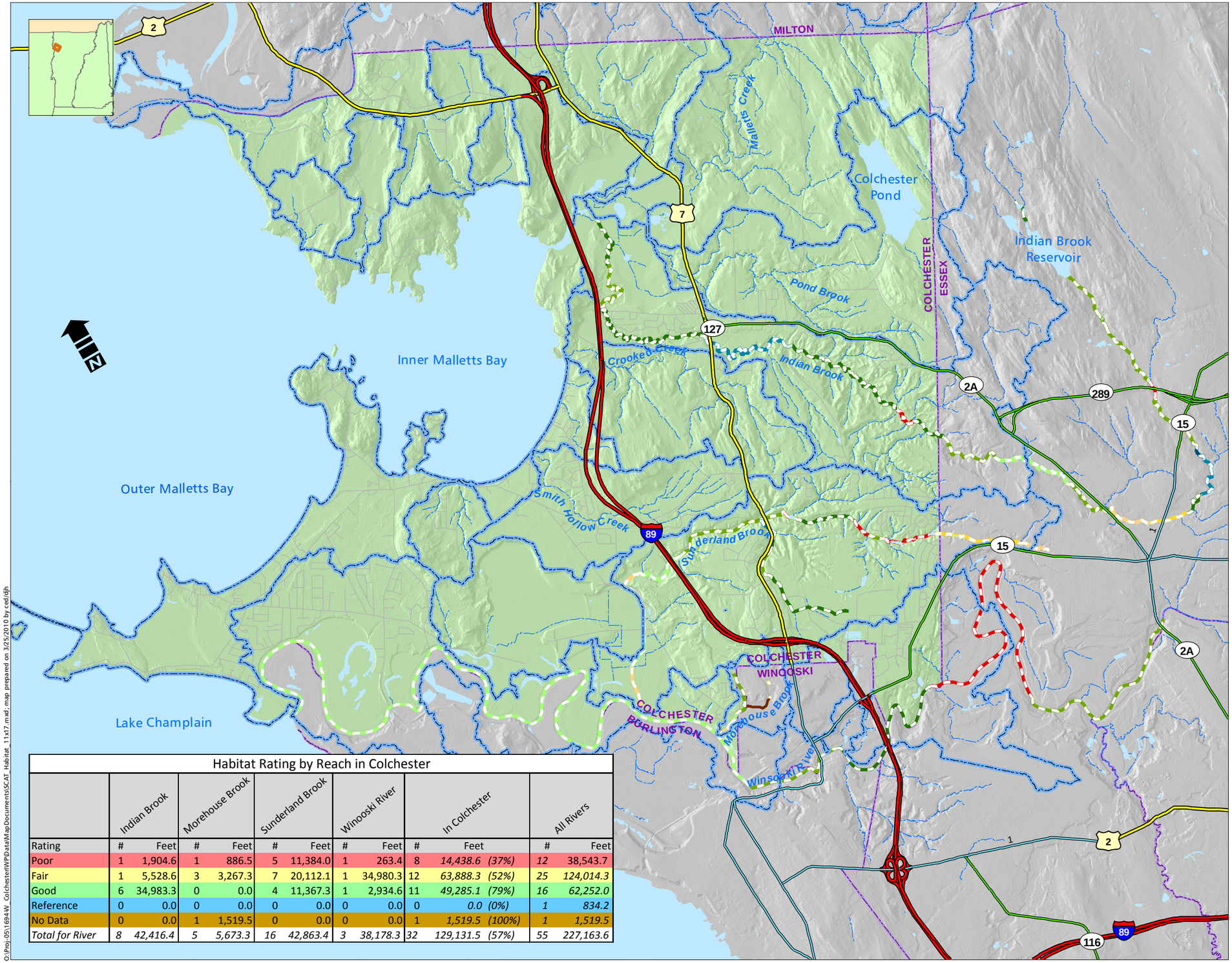

Habitat Rating by Reach in Colchester												
	Indian Brook		Morehouse Brook		Sunderland Brook		Winooski River		In Colchester		All Rivers	
Rating	#	Feet	#	Feet	#	Feet	#	Feet	#	Feet	#	Feet
Poor	1	1,904.6	1	886.5	5	11,384.0	1	263.4	8	*14,438.6 (37%)*	*12*	38,543.7
Fair	1	5,528.6	3	3,267.3	7	20,112.1	1	34,980.3	12	*63,888.3 (52%)*	*25*	*124,014.3*
Good	6	34,983.3	0	0.0	4	11,367.3	1	2,934.6	11	*49,285.1 (79%)*	*16*	*62,252.0*
Reference	0	0.0	0	0.0	0	0.0	0	0.0	0	*0.0 (0%)*	*1*	*834.2*
No Data	0	0.0	1	1,519.5	0	0.0	0	0.0	1	*1,519.5 (100%)*	*1*	*1,519.5*
Total for River	*8*	*42,416.4*	*5*	*5,673.3*	*16*	*42,863.4*	*3*	*38,178.3*	*32*	*129,131.5 (57%)*	*55*	*227,163.6*

Habitat Rating

Stream Geomorphic Assessment

Integrated Water Resources Management Program

Town of Colchester, Vermont

Watershed Boundaries

Habitat Assessment Score

- Poor (0 - 0.14)
- Poor (0.15 - 0.24)
- Poor (0.25 - 0.34
- Fair (0.35 - 0.44)
- Fair (0.45 - 0.54)
- Fair (0.55 - 0.64)
- Good (0.65 - 0.74)
- Good (0.75 - 0.84)
- Reference (0.85 - 1)
- No data
- Not Assessed

0 0.5 1 Miles

Sources: ANR: Stream Geomorphic Assessment data; VCGI: Streams, Roads

Habitat rating is an assessment of the stream's physical, chemical, and biological environment against the reference condition. The reference condition is the stream without human related changes. The habitat rating is based on an assessment of each of the ten habitat related parameters: epifaunal substrate/available cover; embeddedness; pool substrate characterization; velocity/depth patterns; pool variability; sediment deposition; channel flow status; channel alteration; frequency of riffles; channel sinuosity; bank stability; bank vegetative protection; and riparian vegetative zone width. A composite final average score of these ten parameters is compared with a reference condition score for each reach.

Source: Vermont Agency of Natural Resources. Vermont Stream Geomorphic Assessment Protocol Handbook. 2004.

This project's funding was provided by an US EPA Demonstration Grant # XP-83232201-1

STONE ENVIRONMENTAL INC

535 Stone Cutters Way
Montpelier, Vermont
05602 USA

Phone / 802.229.4541
Fax / 802.229.5417
Web Site / www.stone-env.com

O:\Proj-05\1694W_Colchester\WP\Data\MapDocuments\SCAT_Habitat_11x17.mxd; map prepared on 3/25/2010 by ced/djh