

Hinkson Creek macroinvertebrate data (MSCI scores)

Only scores kept by ESP

April 2016

	Fall 01	Spr 02	Fall 03	Spr 04	Spr 05	Fall 05	Spr 06	Spr 12	Fall 12	Spr 13	Spr 14	Fall 14	Overall Ave	Recent AVE	Old AVE	Spring	Fall	Overall % fully	Recent % fully	Old % fully
HC 8		16.00						18.00		14.00	16.00	18.00	16.40	16.50	16.00	16.00	18.00	80.00	75.00	100.00
HC 7		16.00	18.00	16.00	16.00	18.00		16.00		16.00	14.00	20.00	16.67	16.50	16.80	15.67	18.67	88.89	75.00	100.00
HC 6.5				16.00				16.00		16.00	14.00	18.00	16.00	16.00	16.00	15.50	18.00	80.00	75.00	100.00
HC6	12.00		16.00	14.00	18.00	16.00		14.00		16.00	14.00	20.00	15.56	16.00	15.20	15.20	16.00	55.56	50.00	60.00
HC 5.5			14.00	16.00	16.00			16.00		16.00	16.00	18.00	16.00	16.50	15.33	16.00	16.00	85.71	100.00	66.67
HC 5								16.00		16.00	12.00	20.00	16.00	16.00		14.67	20.00	75.00	75.00	
HC 4		12.00						16.00		16.00	16.00	18.00	15.60	16.50	12.00	15.00	18.00	80.00	100.00	0.00
HC 3.5					12.00	12.00		14.00		16.00	16.00	14.00	14.00	15.00	12.00	14.50	13.00	33.33	50.00	0.00
HC 3	16.00	12.00					16.00			10.00	12.00	14.00	13.33	12.00	14.67	12.50	15.00	33.33	0.00	66.67
HC 2	14.00	12.00					12.00			14.00	12.00	16.00	13.33	14.00	12.67	12.50	15.00	16.67	33.33	0.00
HC 1	14.00	14.00					14.00			12.00		14.00	13.60	13.00	14.00	13.33	14.00	0.00	0.00	0.00
Ave	14.00	13.67	16.00	15.50	15.50	15.33	14.00	15.75		14.73	14.20	17.27								
16 or +	1.00	2.00	2.00	3.00	3.00	2.00	1.00	6.00		7.00	4.00	8.00	39.00	25.00	14.00	26.00	13.00	Upper	Upper	Upper
14 or -	3.00	6.00	1.00	1.00	1.00	1.00	2.00	2.00		4.00	6.00	3.00	30.00	15.00	15.00	22.00	8.00	77.27	78.57	75.00
Overall													Overall	Recent	Old	Overall	Overall	21.74	25.00	18.18
Lower													56.52	62.50	48.28	54.17	61.90	Lower	Lower	Lower

Percentages with fully supporting MSCI scores of 16 or greater

Notes:

This table includes only data that were used by ESP in their analyses.

% fully is the percentage of the samples that have MSCI scores of 16 or greater (suggesting the stream is fully supporting of aquatic life near that point)

Old data are those from the period 2001-2006, Recent data are those from 2012-2014

Upper Section - 78.57% fully supporting (22/28) for new 77.27% for all (34/44)

Lower section - 25% fully supporting for new (3/12); 21.74% for all (5/23)

- sites
- 8 Downstream of Rogers Road bridge
 - 7 Upstream of Hinkson Creek Road/Wyatt Lane bridge
 - 6.5 Upstream of HWY 63 Connector
 - 6 Near East Locust Creek bridge
 - 5.5 Downstream of Green Valley Drive bridge (S of Broadway)
 - 5 Upstream of most upstream footbridge at Capen Park
 - 4 Downstream of Rock Quarry Road bridge
 - 3.5 Upstream of Recreation Drive culvert (E of Providence)
 - 3 Downstream of Forum Boulevard bridge
 - 2 Upstream of MKT bridge near Twin Lakes
 - 1 Downstream of Scott Boulevard