

Table 6

**Benthic Macroinvertebrate Metric Results
Salmon Creek Survey, Forest County**

Metric	Station		
	1SC	2SC	3SC
Taxa Richness Candidate/Reference x 100	21 Reference	31 147.6%	22 104.7%
Biological Condition Score	6	6	6
Modified EPT Index Candidate/Reference x 100	8 Reference	14 175%	12 150%
Biological Condition Score	6	6	6
Modified Hilsenhoff Index Ratio of Ref. to Candidate x 100	4.12 Reference	5.24 78.6%	5.52 74.6%
Biological Condition Score	6	4	4
Ratio of Scrapers/Filtering Collectors Ratio of Cand. To Ref. x 100	27.7/38.5 .72 Reference	14.4/4.0 3.6 500%	38.2/4.5 8.49 1179.2%
Biological Condition Score	6	6	6
Ratio of EPT to Chironomid Abundances Ratio of Cand. To Ref. x 100	30.8/6.2 4.97 .20	23.6/51.1 .46 9.2%	29.2/20.2 1.44 29%
Biological Condition Score	6	0	2
% Dominant Taxon Evaluate actual % Contribution, not comparability to reference	15.4 Reference	51.1% 0	28.1% 4
Biological Condition Score	6	0	4
Community Loss Index Biological Condition Score	Reference	.23 6	.41 6
Ratio of Shredders/Total Ratio of Cand. To Ref. x 100	0:100 Reference	1.1:100 .011/0	2.2:100 .022/0
Biological Condition Score	6	6	6
Total Biological Condition Score	Reference 48	34	40
% Comparability to Reference		71% Slightly Impaired	83% Non-impaired

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Metric	Station			
	IMC	4LSC UNT	5LSC	7GR
Taxa Richness Candidate/Reference x 100	27	11	32	49
Biological Condition Score	Reference 6	40.7% 2	118.5% 6	181.5% 6
Modified EPT Index Candidate/Reference x 100	15	6	14	19
Biological Condition Score	Reference 6	40% 0	93.3% 6	126.7% 6
Modified Hilsenhoff Index Ratio of Ref. to Candidate x 100	2.60	3.74	2.50	4.36
Biological Condition Score	Reference 6	69.5% 2	104% 6	59.6% 2
Ratio of Scrapers/Filtering Collectors Ratio of Cand. To Ref. x 100	15.7/21.0 .75	0.7/31.9 .02	3.5/18.8 .19	48.6/8.5 5.72
Biological Condition Score	Reference 6	2.7% 0	25.3% 2	762.7% 6
Ratio of EPT to Chironomid Abundances Ratio of Cand. To Ref. x 100	48.7/18.4 2.65	38.4/15.2 2.53	64.6/14.4 4.49	32.9/11.2 2.94
Biological Condition Score	Reference 6	95.5% 6	169.4% 6	110.9% 6
% Dominant Taxon Evaluate actual % Contribution, not comparability to reference	18.4	30.4	30.8	21.7
Biological Condition Score	6	2	2	4
Community Loss Index Biological Condition Score	Reference 6	1.54 2	.31 6	.14 6
Ratio of Shredders/Total Ratio of Cand. To Ref. x 100	32.6/100 .33	31.9/100 .319	57.2/100 .572	3.1/100 .031
Biological Condition Score	Reference 6	96.7% 6	173.3% 6	9.4% 0
Total Biological Condition Score	Reference 48	20	40	36
% Comparability to Reference		41.7% Moderately Impaired	83.3% Non-impaired	75.0% Slightly Impaired

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Metric	Station		
	5LSC	4LSC UNT	7GR
Taxa Richness Candidate/Reference x 100 Biological Condition Score	32 Reference 6	11 34.4% 0	49 153.1% 6
Modified EPT Index Candidate/Reference x 100 Biological Condition Score	14 Reference 6	6 42.9% 0	19 135.7% 6
Modified Hilsenhoff Index Ratio of Ref. to Candidate x 100 Biological Condition Score	2.50 Reference 6	3.74 66.8% 2	4.36 57.3% 2
Ratio of Scrapers/Filtering Collectors Ratio of Cand. To Ref. x 100 Biological Condition Score	3.5/18.8 .19 Reference 6	0.7/31.9 .02 10.5% 0	48.6/8.5 5.72 3009.3% 6
Ratio of EPT to Chironomid Abundances Ratio of Cand. To Ref. x 100 Biological Condition Score	64.6/14.4 4.49 Reference 6	38.4/15.2 2.53 56.3% 4	32.9/11.2 2.94 65.5% 4
% Dominant Taxon Evaluate actual % Contribution, not comparability to reference Biological Condition Score	30.8 2	30.4 2	21.7 4
Community Loss Index Biological Condition Score	Reference 6	2.36 2	.26 6
Ratio of Shredders/Total Ratio of Cand. To Ref. x 100 Biological Condition Score	57.2/100 .572 Reference 6	31.9/100 .319 55.8% 6	3.1/100 .031 5.4% 0
Total Biological Condition Score	Reference 44	16	34
% Comparability to Reference		36.4% Moderately Impaired	77.3% Slightly Impaired

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**Benthic Macroinvertebrate Metric Results
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Metric	Station	
	2MC	6LSC
Taxa Richness Candidate/Reference x 100 Biological Condition Score	37 Reference 6	28 75.7% 4
Modified EPT Index Candidate/Reference x 100 Biological Condition Score	17 Reference 6	11 64.7% 0
Modified Hilsenhoff Index Ratio of Ref. to Candidate x 100 Biological Condition Score	3.28 Reference 6	3.58 91.6% 6
Ratio of Scrapers/Filtering Collectors Ratio of Cand. To Ref. x 100 Biological Condition Score	41.1/32.0 1.28 Reference 6	40.6/24.5 1.66 129.7% 6
Ratio of EPT to Chironomid Abundances Ratio of Cand. To Ref. x 100 Biological Condition Score	21.2/10.1 2.1 Reference 6	33.0/15.1 2.18 103.8% 6
% Dominant Taxon Evaluate actual % Contribution, not comparability to reference Biological Condition Score	29.1 4	15.1 6
Community Loss Index Biological Condition Score	Reference 6	.78 4
Ratio of Shredders/Total Ratio of Cand. To Ref. x 100 Biological Condition Score	7.6/100 .076 Reference 6	0.9/100 .009 11.8% 0
Total Biological Condition Score	Reference 46	32
% Comparability to Reference		69.6% Slightly Impaired

