RITCHIE CREEK

Date 4/18/2002				ID	RIT200)2	
Site Description Bothe	State P	Park	Ele	vation	(ft) 36	60	
Reach Length (ft) 441							
Chemical Characteristics			Habitat Characteristics				
Water Temp (C/F)	10	50	Canopy Cover (%)	80			
Specific Conductivity	158		<u>Scale 0-20</u>				
pН	6.5		Substrate	19	Optimal		
Dissolved Oxygen (mg/L)	11.5		Embeddedness	18	Optimal		
Physical Characteristics			Substrate Complexity	19	Optimal		
(Average values for 3 riffle	s)		Velocity/Depth Regime	19	Optimal		
Riffle Length (ft)	65.3		Sediment Deposition	16	Optimal		
Riffle Width (ft)	13		Water Flow	17	Optimal		
Riffle Depth (ft)	0.45		Channel Alteration	15	Suboptima	J	
Riffle Velocity (ft/sec)	1.2		Riffle Frequency	19	Optimal		
Gradient (%)	2.3		<u>Scale 0-10</u>				
Riffle Substrate (%)			Bank Stability (Left)	8	Suboptima	d	
Fines	23		Bank Stability (Right)	8	Suboptima	ıl	
Gravel	20		Vegetation (Right)	8	Suboptima	d	
Cobble	23		Riparian (Right)	10	Optimal		
Boulder	33		Vegetation (Left)	8	Suboptima	J	
Bedrock	0		Riparian (Left)	9	Optimal		
Consolidation	Medium	ı	Total Habitat Score	174	Optimal		
				101-15	Poor = Marginal = Suboptin = Optimal	nal	

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Benthic Macroinvertebrate Characteristics

Abundance	2,519	Percent Dominant Taxa	16.03	Index of Biological
Number of Taxa	83	Number of Tolerant Taxa	4	Integrity (IBI)
Number of Taxa (CA)	79	Percent Tolerant Taxa	0.94	25
Number of EPT	35	Number of Intolerant Taxa	24	5-11 = Poor 12-18 = Fair
Hilsenhoff	4.44	Percent Intolerant Taxa	19.98	19-25 = Good



