

Table 3-4. Diatom Count Data (as %) From Mountain Lake Sediments. Sample Numbers 1D to 16D.

	1D	2D	3D	4D	5D	6D	7D	8D	9D	10D	11D	12D	13D	14D	15D	16D
CYCLOTELLA																
<i>C. bodanica</i>	0.8	0	0.8	0.7	0	0	0	0.7	0.9	0	6.9	0	9	0	0	0.9
<i>C. stelligera</i>	2.6	1.5	0.8	0.7	0	40.4	1.8	0.7	40.9	32.4	44.1	50	61.6	68	63.6	26.6
STEPHANODISCUS <i>alpinus</i>	13.3	21.4	5.3	5.1	44.6	45.5	0	27.6	41.8	46.3	29.4	33	0	22.3	27.3	50.5
SYNEDRA <i>ulina</i>	0.8	1.5	1.5	0	0	0	0	0.7	0.9	0	1	0	1	0	0	0
TABELLARIA																
<i>T. fenestrata</i> (nominate)	8.6	11.5	15.2	16.8	5.9	2	0.9	19.4	2.7	7.4	10.8	5	10.1	3.6	3.6	9.2
<i>T. fenestrata</i> (ribbed)	0	0	3.8	0	0	0	0	0	0	0	0	0	0	0	0	0
PINNULARIA (various)	6.2	1.5	4.5	4.4	3	0	0	3.7	0	0	0	0	0	0	0	0
COCCONEIS <i>placentula</i>	5.3	2.3	2.3	5.1	1	0	78	5.2	0	0	0	0	0	0	0	0
EUNOTIA																
<i>E. pectinalis</i> (undulata)	0.8	1.5	1.5	0	1	0	0	0	0	0	0	0	0	0	0	0
<i>E. pectinalis</i> (pectinalis)	3.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.9
<i>E. sera</i> (diadema)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CYMBELLA																
<i>C. lunata</i>	0.8	1.5	2.3	4.3	0	1	0	2.2	0	0	0	0	0	0.9	0	0.9
<i>C. cuspidata</i>	0.8	2.3	4.5	3.6	1	0	0	0.7	0	0.9	0	0	0	0	0	0.9
<i>C. naviculaformis</i>	0.8	0.8	1.5	0.7	1	0	0	0	0	0.9	2	2	0	0	0	0.9
<i>C. affinis</i>	3.5	6.1	17.4	8	1	0	6.4	9.7	0.9	0.9	0	0	0	0	0	0
GOMPHONEMA																
<i>G. acuminatum</i> (coronata)	0.8	0	4.5	1.5	0	0	0	0	0	0	1	0	0	0	0	0
<i>G. acum. elong/turris/etc</i>	13.3	9.9	6	15.3	2	0	0	3.7	0	0	0	1	1	0	0	0
<i>G. acuminatum</i> (capitata)	0	0	0.8	0.7	2	0	0	0	0	0	0	0	0	0	0	0
FRAGILLARIA (various forms)	3.5	8.4	0.8	6.6	26.7	4	6.4	2.2	1.8	1.9	1	0	1	2.7	2.7	1.8
STAURONEIS																
<i>S. acuta</i>	0	0.8	0	2.2	0	0	0	0	0	0	0	0	0	0	0	0
<i>S. phoenicentron</i>	0	0	1.5	0	2	0	0	0.7	0	0	0	0	0	0	0	0
CALONEIS																
<i>C. ventricosa</i>	4.4	0	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0
<i>C. bacillum/limosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NAVICULA (various)	10.6	10.7	3	2.9	1	0	1	1.5	0	0.9	0	0	0	0	0	0
<i>N. sinuata</i>	6.2	3	7.6	5.8	6.9	7	5.5	10.5	8.2	3.7	4	4	6	2.7	2.7	6.4
<i>N.</i> (small ribbed forms)	6.2	4.6	3.8	1.5	1	0	0	3	0.9	2.8	0	4	8	0	0	0
NITZCHIA (acicular frags)	4.4	2.3	0	1.5	0	0	0	1.5	0.9	0.9	0	0	0	0	0	0
MELOSIRA <i>italica</i>	0	6.1	9.8	10.2	0	0	0	5.2	0	0.9	0	1	0	0	0	0
OTHER	1.7	2.3	0.8	1.5	0	0	0	0.7	0	0	0	0	2	0	0	0.9
total PERCENT	98.9	100	100	99.8	100.1	99.9	100	99.6	99.9	99.9	100.2	100	99.7	100.2	99.9	99.9
Deep total percent	86.6	84.7	85.6	85.1	99.1	99.9	100	89.2	98.1	95.3	100.2	95	89.7	100.2	99.9	99
Shallow total percent	72.8	64.1	72.6	76.5	49.6	12	97.3	50.5	12.7	13.8	8	12	18	6.3	5.4	12.7
deep to shallow ratio%	1.19	1.321	1.179	1.112	1.998	8.325	1.028	1.766	7.724	6.906	12.53	7.917	4.983	15.9	18.5	7.795