

Sheet1

Appendix P. Diatom counts for Mountain Lake core F (deep end of lake)								
(diatoms/core/depth of subsample)	DF53	DF45	DF40	DF33	DF30	DF30	DF20	DF15
<b>CYCLOTELLA</b>								
C. meneghiniana	0	0	0	0	0	0	0	0
C. bodanica	0	0	0	0	0	0	0	0
C. stelligera	10	17	31	35	21	35	19	8
C. (pores)	10	10	33	10	43	43	32	5
<b>STEPHANODISCUS alpinus</b>								
	6	0	0	0	2	2	5	2
<b>SYNEDRA ulna</b>								
	0	0	0	0	0	0	1	0
<b>TABELLARIA</b>								
T. fenestrata	6	11	5	10	3	0	7	3
T. fenestrata (ribbed)	0	1	1	6	1	0	8	1
T. synedra-like fenestrata	0	0	1	0	0	0	0	0
T. flocculosa	5	15	0	0	0	0	0	1
<b>PINNULARIA</b>								
		5	2				1	
P. cf gibba	2	8	6	5	4	0	1	1
P. (bulbous ends)	1	6	0	0	0	0	0	0
P. (heavy ribbed frag)	0	6	0	0	4	3	10	0
<b>COCCONEIS placentula</b>								
	0	0	0	2	0	0	1	0
<b>EUNOTIA</b>								
E. undulata	0	2	1	0	0	0	1	0
E. pectinalis	0	0	0	1	0	0	0	0
E. sera diadema	0	0	0	0	0	0	0	0
<b>CYMBELLA</b>								
C. lunaris	1	10	1	10	0	0	1	0
C. cuspidata	0	2	0	0	2	0	0	0
C. naviculaformis	0	0	0	0	0	0	1	0
C. affinis	0	0	2	2	0	3	0	0
<b>GOMPHONEMA</b>								
G. angustatum coronata	2	0	0	2	2	13	0	0
G. angustatum turris/elong	0	2	3	3	4	0	4	0
G. angustatum capitata	0	0	0	3	0	0	0	0
<b>FRAGILLARIA (various forms)</b>								
	0	0	3	0	4	5	7	2
<b>STAURONEIS</b>								

Sheet1

S. anceps	0	0	0	3	0	0	0	0
S. phoenicentron	0	0	0	0	0	0	0	0
CALONEIS								
C. ventricosa	0	0	0	0	0	0	0	0
C. bacillis/limosa	0	0	0	0	3	0	0	0
NAVICULA								
N. cf. gracile	0	0	1	0	0	0	0	0
N. rhyncocephala	0	0	0	0	0	0	0	0
N. (undulose)	0	0	0	0	0	2	3	0
NITZCHIA (acicular frags)	0	0	0	0	1	1	0	0
DIATOMA ?	0	0	3	0	2	17	5	1
MELOSIRA italica	5	6	16	20	10	9	10	0
(small, bulbous end)	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	2	0	0
total COUNT	48	101	109	112	106	135	117	24
Deep total count	37	54	71	61	70	80	72	20
Shallow total count	11	47	38	51	36	55	45	4
deep to shallow ratio	3.364	1.149	1.868	1.196	1.944	1.455	1.6	5

DF10	DF05	DF05
0	0	0
0	2	1
32	75	21
10	3	16
1	6	6
1	0	0
0	6	7
0	0	5
0	0	6
2	4	11
0	0	3
0	0	0
3	0	0
1	0	0
0	0	1
0	1	0
0	0	0
2	0	2
0	0	0
0	0	0
0	0	0
0	0	0
1	0	1
0	0	0
0	2	0

0	0	3
0	0	0
0	0	0
1	3	0
0	0	0
3	1	0
0	0	0
1	0	0
1	1	1
1	0	10
0	0	0
0	0	0
60	104	94
46	96	73
14	8	21
3.286	12	3.476