UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RAW POLLEN COUNTS FROM CORE 4, CLEAR LAKE, LAKE COUNTY, CALIFORNIA

by

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Open-File Report
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This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards.

The U. S. Geological Survey recovered eight sediment cores from beneath Clear Lake, Lake County, California, in 1973. The locations of the core sites are shown in fig. 1; lithologic descriptions of the cores, as well as radiographs, have been given by Sims and Rymer (1975a-g, 1976). A list of the procedures followed in sampling the cores and a list of the samples taken may be found in Beaver and others (1975); fish remains from two of the cores have been studied by Casteel and others (1975, 1977a,1977b). This report gives raw count data for 166 pollen samples from core 4, a 115-m long core from the main basin of the lake (fig. 1).

The core was initially sampled at 10-cm intervals wherever possible. This procedure produced too many samples to make counting all of them feasible, so a 1 meter sampling interval was chosen for the initial pollen counts as a compromise between work required and high temporal resolution. During the initial set of counts, samples were counted in more or less random stratigraphic order, so as to avoid having early counts affect later counts through unconscious biasing. Only after all initial counts were complete was a preliminary diagram prepared; this diagram was then used to select additional samples at more closely spaced stratigraphic intervals where rapid changes were noted.

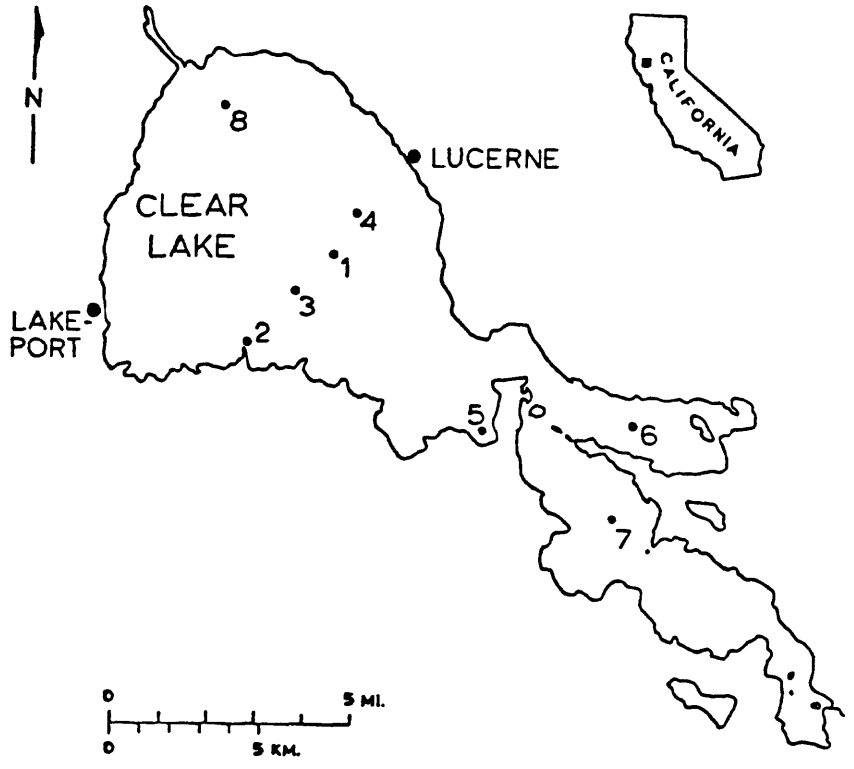

Figure 1.--Map showing location of core 4 in Clear Lake, California. Each numbered dot marks the location of a core; the lithology of each core has been described by Sims and Rymer (1975a-g, 1976). This map is also found in each of those reports.

Pollen extractions were done in the Laboratory of Anthropology of Washington State University through the courtesy of Dr. P. J. Mehringer, Jr. Extraction procedures included HF digestion, acetylation, and hydroxide treatments, and completed samples were stored in silicone oil. Prior to extraction, four tablets each of Eucalyptus and Lycopodium grains were added to each sample to permit later estimation of pollen concentrations in the samples. These tablets were oven-dried to drive off any adsorbed moisture and then weighed before they were added to the sample.

A weight loss sample was removed from the core from the same level as each pollen sample, using the same volumetric sampler. The sample weight shown for each sample (Appendix A) is the weight of the weight loss sample after oven drying overnight at 100 ^{o}C; this weight is assumed to be equal to the dry weight of the pollen sample itself. The purpose of the pollen counts was to obtain reasonably accurate estimates of the frequencies of the various pollen types encountered in as short a time as possible, together with estimates of the frequencies of recognizable non-pollen microfossils. In many of the samples these goals did not conflict. However, in many other samples, and especially in the top 30 meters of the core, remains of algae (Botryococcus, Coelastrum, and several kinds of Pediastrum) were so abundant that they interfered strongly with the pollen counting.

Several approaches were tried as the magnitude of the problem became more apparent and my appetite for counting algae diminished. The first method, used for some core 7 samples but abandoned before the core 4 samples were started, was to count everything until the pollen counts were completed (at least 200 grains of fossil pollen). The next approach was to count each algal type until 100 individuals (or colonies in the case of Pediastrum) were counted, and then to record the number of tracers (Eucalyptus and Lycopodium) together with the count; further algae of that type were then ignored for the rest of the count (see, for example, sample 1255, 11.96 m). The ratio of the number of tracers counted with the algae to the number of tracers counted with the full pollen count could then be used to estimate how many algae would have been counted in the full sum.

As it became apparent that the fluctuations in algal frequencies were very large, less precision seemed necessary, and the stopping criteria for algal counts were made less and less stringent. For some counts (for example, sample 1810, 10.00 m), frequencies of all abundant algae were recorded whenever the most abundant type had reached a count of 100 individuals; eventually, the stopping criterion became a total of at

least 100 of all algae (for example, sample 1803, 9.3 m).

The type of stopping criterion used for any particular sample may be determined by examining the "tracer sub-counts" column on the count sheets (Appendix B). These count sheets provide all of the information needed to calculate pollen percentages, as well as pollen concentrations in grains per cm^3 and grains per gram dry weight.

Where no tracer sub-counts are listed on the count sheets, the type in question was counted until the full pollen sum was reached. Where tracer sub-counts are shown, the number of individuals of the type that would have been counted if counting had continued throughout the full pollen sum may be estimated by

$$\hat{n} = \frac{n \cdot t_{full}}{t_{sc}}$$

where $\hat{n}$ is the estimated number, t_{full} is the number of tracers counted with the full pollen sum, n is the number of grains actually counted of the type being estimated, and t_{sc} is the sub-count of the tracer recorded while counting the n individuals of the type being estimated.

For each pair of tracer sub-counts, the left value is for Eucalyptus and the right value is for Lycopodium. Either tracer may be used to estimate values, but the results using one tracer do not always agree well with results using the other, probably because of variations in the number of tracer grains present in the Eucalyptus and Lycopodium tablets added to the samples.

Notes on variables

A list of the variables counted is shown in Appendix A. The number preceding each variable name is an identifier used for computer processing. Most types are self-explanatory; a few further explanations are given here.

Pinus: No systematic attempt was made to separate the haploxylon and diploxylon groups among the pines, although haploxylon grains were noted separately when they were obvious. Nearly all pine grains appeared to be of the diploxylon type. Broken pine grains were counted as thirds.

Tsuga: Grains with distinct separate bladders probably represent T. mertensiana, while grains with a continuous saccate fringe probably represent T. heterophylla. Both types are scarce.

TCT: This type includes pollen of the families Taxodiaceae, Cupressaceae, and Taxaceae. A few grains of Sequoia and Chamaecyparis were identified separately; the Chamaecyparis should probably be lumped with the rest of the TCT.

Tilia: These rare grains may represent pollen reworked from older rocks or modern contamination, along with cf. Ilex, cf. Morus, Hedera, and Ailanthus.

Typha: The tetrads represent T. latifolia type, while the monads may represent either T. angustifolia type or Sparganium. The few dyads probably represent hybridization between T. latifolia type and T. angustifolia type (P. J. Mehringer, Jr., pers. commun., 1970).

Rorippa: Separation of this genus from the rest of the Cruciferae is somewhat doubtful.

Cheno-ams: This group includes the Chenopodiaceae plus the related genus Amaranthus.

Compositae: This family has been separated into four groups: Artemisia and the Liguliflorae are easily distinguished; the high-spine and low-spine Compositae were separated by the shape of the spines, which come to distinct points in the high-spine Compositae but are only rounded bumps in the low-spine Compositae.

cf. Proserpinaca, etc.: All grains with names of cf. x are considered unknowns. The names were attached only as an aid in matching unknowns to published pictures or drawings, and are not identifications. Where cf. x refers to a number, that number is a sample number in which the type was noted.

Pediastrum: Several types of Pediastrum were encountered in great abundance in both cores. These were separated into several forms, which may or may not be taxonomically reasonable. Initial observations indicated that several morphologic features were useful for separating types, including

the number of "horns" per cell, the surface sculpturing, and the presence or absence of holes between adjacent cells. The letters assigned to the different forms are for present purposes arbitrary; "missing" letters have no significance.

The most important types were A, K, N, O, X, and Y. *Pediastrum* A resembles *P. simplex* var. *duodenarium* as shown in Smith (1920), and is larger than most other forms. *Pediastrum* N is much larger than all the other types, and has a reticulum of triangles on the cell walls; it resembles *P. sculptatum* of Smith (1920: plate 46, fig. 1). Both *Pediastrum* O and *Pediastrum* X probably represent *P. boryanum*, with O having holes between adjacent cells and X lacking cells; intermediate forms were sometimes present. *Pediastrum* Y is to me an unknown form, with two long "horns" per cell and each horn having a circular aperture with a slightly thickened rim at its tip; cell walls are smooth and thin, and holes are present between cells. It may be equivalent to *P. duplex* var. *gracillimum* as described by Smith (1920: plate 47, figs. 8-11), but it is difficult to tell from Smith's illustrations just how close the match is. *Pediastrum* K resembles *Pediastrum* X, but has only a single horn. Other *Pediastrum* types were rare, and are not described here.

Type 102: I have no idea what these are, but there are lots of them. They resemble TCT and sedge pollen grains, as well as hystrichosphaerids, but can be distinguished from these types after one is familiar with them.

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APPENDIX A

LIST OF VARIABLES

1 Pinus
2 Abies
3 Picea
4 Pseudotsuga
5 Tsuga (bladders)
6 Tsuga (fringed)
7 TCT
8 Chamaecyparis
9 Quercus
10 Lithocarpus
11 Betula
12 Juglans
13 Tilia
14 Castanopsis
15 Alnus
16 Fraxinus
17 Shepherdia
18 Salix
19 Cyperaceae
20 Brasenia
21 Myriophyllum
22 Typha (tetrads)
23 Typha/Sparganium (monads)
24 Nuphar
25 Rorippa
26 Potamogeton
27 Sagittaria
28 Cheno-ams
29 high-spine Compositae
30 low-spine Compositae
31 Liguliflorae
32 Artemisia
33 Ericaceae
34 Gramineae
35 Cerealia
36 Ranunculaceae
37 Aconitum
38 Rosaceae
39 Polygonaceae
40 Polygonum californicum
41 Rhamnaceae
42 Umbelliferae
43 Caryophyllaceae
44 Galium
45 Leguminosae
46 Thalictrum
47 Gilia
48 Geraniaceae
49 Cruciferae
50 Liliaceae
51 cf. Proserpinaca
52 4-colpate reticulate unk.
53 cf. Tilia, 4 pores

54 4-pored unk., cf. #175
55 echinate unk., cf. #26
56 cf. Linum
57 unknowns
58 Eucalyptus (tracer)
59 Nuphar leaf hairs
60 Botryococcus
61 Coelastrum
62 Pediastrum A
63 Pediastrum N
64 Pediastrum O
65 Pediastrum X
66 Pediastrum Y
67 Hystrichosphaerids
68 Nuphar sclereids
69 monosulcate, botryoidal spore
70 trilete spores
71 Dryopteris-type
72 large, fringed trilete spore
73 cf. Pedicularis
74 Pediastrum Z
75 Isoetes
76 Sequoia
77 Corylus
78 Arceuthobium
79 cf. Ilex
80 Labiatae
81 Convulvulaceae
82 cf. Morus
83 Pediastrum AA
84 Spirogyra zygospores
85 Pediastrum BB
86 Menyanthes
87 Utricularia
88 Eriogonum
89 Sarcobatus
90 Violaceae
91 Rumex
92 Sambucus
93 unk. cf. Artemisia
94 Pediastrum CC
95 Campanulaceae
96 Nymphaea (cf. Kapp)
97 unk. cf. prolate Aconitum
98 Primulaceae
99 Hedera
100 Lycopodium (tracer)
101 Pediastrum K
102 large,strange TCT/sedge, cf. #1432
103 Portulacaceae
104 cf. Acer negundo
105 cf. Dodecatheon
106 tendipedid tails

107 Cryptogamma type
108 cf. Fremontia
109 Onagraceae
110 Azolla massulae
111 strange, non-staining frilly cyst
112 Polygonum, persicaria-type
113 Ailanthus
114 Rubiaceae
115 Typha dyads
116 cf. #102, but striate
117 Saxifragaceae
118 Castanea
119 Malvaceae
120 cf. Prunus
121 Ephedra, nevadensis-type

APPENDIX B

COUNT SHEETS

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 2053

Sample depth = 2.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.422 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		11		
3	Picea		1		
4	Pseudotsuga		1		
7	TCT		30		
9	Quercus		88		
11	Betula		1		
14	Castanopsis		2		
15	Alnus		12		
16	Fraxinus		4		
18	Salix		12		
118	Castanea		6		
	Sub-total:	168			
Aquatic pollen:					
19	Cyperaceae		3		
75	Isoetes		1		
	Sub-total:	4			
Herbs and shrubs:					
29	High-spine Compositae		7		
31	Liguliflorae		2		
34	Gramineae		1		
36	Ranunculaceae		1		
41	Rhamnaceae		16		
42	Umbelliferae		1		
49	Cruciferae		1		
	Sub-total:	29			
Other pollen:					
57	unknowns		20		
	Sub-total:	20			
	Total pollen:	221			
Other microfossils:					
60	Botryococcus		7	36	27
61	Coelastrum		33	22	9
62	Pediastrum A		21	36	27
63	Pediastrum B		3		
64	Pediastrum C		68	22	9
65	Pediastrum X		35	22	9
66	Pediastrum Y		9	36	27
67	Hystrichosphaerids		6		
102	large,strange TCT/Sedge, cf. #1432		100	22	9
110	Azolla massulae		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		211		
100	Lycopodium (tracer)		142		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 2054

Sample depth = 0.200 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.457 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		22		
4	Pseudotsuga		1		
5	Tsuga (bladders)		1		
7	TCT		18		
9	Quercus		[illegible]		
14	Castanopsis		[illegible]		
15	Alnus		[illegible]		
16	Fraxinus		[illegible]		
18	Salix		4		
78	Arceuthobium		1		
	Sub-total:	154			
Aquatic pollen:					
19	Cyperaceae		[illegible]		
	Sub-total:	[illegible]			
Herbs and shrubs:					
28	Cheno-ams		[illegible]		
29	High-spire Compositae		[illegible]		
32	Artemisia		[illegible]		
34	Gramineae		4		
36	Rosaceae		1		
41	Rhamnaceae		19		
49	Cruciferae		1		
80	Labiatae		1		
	Sub-total:	40			
Other pollen:					
97	unk. cf. prolate Aconitum		1		
	Sub-total:	1			
	Total pollen:	201			
Other microfossils:					
60	Botryococcus		4	14	23
61	Coelastrum		25	14	[illegible]
62	Pediastrum A		14	14	[illegible]
63	Pediastrum B		1	14	[illegible]
64	Pediastrum C		58	14	[illegible]
65	Pediastrum X		13	14	[illegible]
66	Pediastrum Y		4	14	23
67	Hystrichosphaerids		6		
102	large,strange TCT/Sedge, cf. #1432		100	14	23
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		228		
100	Lycopodium (tracer)		236		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 2048

Sample depth = 1.200 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 0.899 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		34		
2	Abies		1		
4	Pseudotsuga		1		
7	TCT		34		
9	Quercus		83		
14	Castanopsis		6		
15	Alnus		13		
16	Salix		3		
78	Arceuthobium		2		
	Sub-total:	177			
Aquatic pollen:					
19	Cyperaceae		1		
75	Isoetes		1		
	Sub-total:	2			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		2		
32	Artemisia		1		
34	Gramineae		3		
41	Rhamnaceae		16		
42	Umbelliferae		1		
	Sub-total:	24			
Other pollen:					
52	4-colpate reticulate unk.		2		
57	unknowns		10		
	Sub-total:	12			
	Total pollen:	215			
Other microfossils:					
60	Botryococcus		5	9	8
61	Coelastrum		20	9	8
62	Pediastrum A		17	9	8
63	Pediastrum M		3	9	8
64	Pediastrum C		28	9	8
65	Pediastrum X		10	9	8
66	Pediastrum Y		6	9	8
70	Trilete spores		1		
102	large,strange TCT/Sedge, cf. #1432		3	9	8
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		227		
100	Lycopodium (tracer)		191		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 2000

Sample depth = 2.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 0.978 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		24		
4	Pseudotsuga		1		
7	TCT		27		
9	Quercus		88		
14	Castanopsis		4		
15	Alnus		6		
18	Salix		1		
77	Corylus		3		
78	Arceuthobium		1		
	Sub-total:	155			
Aquatic pollen:					
19	Cyperaceae		9		
23	Typha/Sparganium (monads)		2		
	Sub-total:	11			
Herbs and shrubs:					
29	High-spine Compositae		2		
30	Low-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		2		
41	Rhamnaceae		17		
	Sub-total:	23			
Other pollen:					
52	4-colpate reticulate unk.		2		
57	unknowns		18		
	Sub-total:	20			
	Total pollen:	209			
Other microfossils:					
60	Botryococcus		4	8	5
61	Coelastrum		20	8	5
62	Pediastrum A		35	8	5
63	Pediastrum B		3	8	5
64	Pediastrum C		26	8	5
65	Pediastrum X		21	8	5
66	Pediastrum Y		4	8	5
67	Hystrichosphaerids		1		
102	large,strange TCT/Sedge, cf. #1432		21	51	59
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		156		
100	Lycopodium (tracer)		180		

Clear Lake, Lake County, California, Core H
Raw pollen count data for sample 2069

Sample depth = 3.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.096 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		21		
7	TCT		25		
9	Quercus		88		
14	Castanopsis		3		
15	Alnus		10		
18	Salix		2		
76	Sequoia		1		
	Sub-total:	160			
Aquatic pollen:					
19	Cyperaceae		3		
27	Sagittaria		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		5		
29	High-spine Compositae		3		
30	Low-spine Compositae		1		
32	Artemisia		2		
34	Gramineae		5		
38	Rosaceae		4		
41	Rhamnaceae		21		
42	Umbelliferae		1		
50	Liliaceae		1		
	Sub-total:	41			
Other pollen:					
52	4-colpate reticulate unk.		2		
57	unknowns		8		
	Sub-total:	10			
	Total pollen:	215			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		5	10	11
61	Coelastrum		30	10	11
62	Pediastrum A		22	10	11
63	Pediastrum N		1	10	11
64	Pediastrum O		70	10	11
65	Pediastrum X		20	10	11
66	Pediastrum Y		12	10	11
67	Hystrichosphaerids		1		
70	Trilete spores		4		
71	Dryopteris-type		1		
102	large,strange TCT/Sedge, cf. #1432		2	10	11
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		163		
100	Lycopodium (tracer)		196		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1848

Sample depth = 4.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.113 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		32		
2	Abies		1		
4	Pseudotsuga		1		
7	TCT		22		
9	Quercus		92		
14	Castanopsis		6		
15	Alnus		8		
	Sub-total:	162			
Aquatic pollen:					
19	Cyperaceae		6		
22	Typha (tetrads)		1		
24	Nuphar		1		
	Sub-total:	8			
Herbs and shrubs:					
28	Cheno-ams		5		
29	High-spine Compositae		8		
32	Artemisia		1		
34	Gramineae		2		
41	Rhamnaceae		11		
42	Umbelliferae		1		
47	Gilia		1		
49	Cruciferae		1		
50	Liliaceae		1		
112	Polygonum, persicaria-type		1		
114	Rubiaceae		1		
114	Rubiaceae		1		
	Sub-total:	32			
Other pollen:					
57	unknowns		16		
113	Ailanthus		1		
	Sub-total:	17			
	Total pollen:	219			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		61	65	69
62	Pediastrum A		84	65	69
63	Pediastrum N		31		
64	Pediastrum O		76	65	69
65	Pediastrum X		100	52	62
66	Pediastrum Y		15	65	69
67	Hystrichosphaerids		2		
70	Trilete spores		1		
102	large,strange TCT/Sedge, cf. #1432		13		
100	Tendipedid tails		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		143		
100	Lycopodium (tracer)		187		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1843

Sample depth = 5.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.213 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		37		
4	Pseudotsuga		1		
7	TCT		22		
9	Quercus		102		
10	Lithocarpus		1		
14	Castanopsis		3		
15	Alnus		7		
18	Salix		2		
	Sub-total:	175			
Aquatic pollen:					
19	Cyperaceae		7		
24	Nuphar		1		
75	Isoetes		1		
	Sub-total:	9			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		2		
30	Low-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		5		
39	Polygonaceae		1		
41	Rhamnaceae		8		
42	Umbelliferae		1		
49	Cruciferae		1		
	Sub-total:	22			
Other pollen:					
57	unknowns		8		
104	unk., cf. Acer negundo		1		
	Sub-total:	9			
	Total pollen:	215			
Other microfossils:					
59	Nuphar leaf hairs		5		
60	Botryococcus		15	16	0
61	Coelastrum		96	16	0
62	Pediastrum A		14	16	0
63	Pediastrum N		4	16	0
64	Pediastrum O		100	16	0
65	Pediastrum X		27	16	0
66	Pediastrum Y		31	16	9
67	Hystrichosphaerids		5		
70	Trilete spores		3		
111	strange, non-staining frilly cyst		4		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		168		
100	Lycopodium (tracer)		180		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1838

Sample depth = 6.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.224 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		28		
2	Abies		1		
7	TCT		18		
9	Quercus		109		
14	Castanopsis		9		
15	Alnus		9		
18	Salix		2		
77	Corylus		1		
	Sub-total:	177			
Aquatic pollen:					
19	Cyperaceae		9		
75	Isoetes		1		
	Sub-total:	10			
Herbs and shrubs:					
29	High-spine Compositae		3		
34	Gramineae		2		
41	Rhamnaceae		10		
49	Cruciferae		2		
80	Labiatae		1		
	Sub-total:	18			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		10		
	Sub-total:	11			
	Total pollen:	216			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		51	44	40
61	Coelastrum		100	14	11
62	Pediastrum A		40	44	40
63	Pediastrum M		17	44	40
64	Pediastrum C		100	17	16
65	Pediastrum X		100	44	40
66	Pediastrum Y		100	34	29
67	Hystrichosphaerids		5		
70	Trilete spores		1		
102	large,strange TCT/Sedge, cf. #1432		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		134		
100	Lycopodium (tracer)		139		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1830

Sample depth = 7.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.398 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		30	
4	Pseudotsuga		[illegible]	
7	TCT		13	
9	Quercus		100	
14	Castanopsis		2	
15	Alnus		12	
18	Salix		4	
118	Castanea		1	
	Sub-total:	166		
Aquatic pollen:				
19	Cyperaceae		5	
75	Isoetes		2	
	Sub-total:	7		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		9	
32	Artemisia		6	
33	Ericaceae		2	
34	Gramineae		4	
41	Rhamnaceae		9	
47	Cilia		1	
	Sub-total:	28		
Other pollen:				
57	unknowns		6	
104	unk., cf. Acer negundo		4	
	Sub-total:	10		
	Total pollen:	211		
Other microfossils:				
60	Botryococcus		11	11
61	Coelastrum		80	11
62	Pediastrum A		2	11
63	Pediastrum M		5	11
64	Pediastrum C		100	11
65	Pediastrum X		28	11
66	Pediastrum Y		48	11
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		128	
100	Lycopodium (tracer)		94	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1824

Sample depth = 8.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.606 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		29		
4	Pseudotsuga		1		
7	TCT		24		
9	Quercus		91		
14	Castanopsis		4		
15	Alnus		7		
18	Salix		2		
76	Sequoia		1		
77	Corylus		1		
	Sub-total:	160			
Aquatic pollen:					
19	Cyperaceae		5		
20	Brasenia		1		
75	Isoetes		1		
	Sub-total:	7			
Herbs and shrubs:					
29	High-spine Compositae		7		
32	Artemisia		2		
34	Gramineae		8		
41	Rhamnaceae		4		
49	Cruciferae		1		
	Sub-total:	22			
Other pollen:					
57	unknowns		17		
104	unk., cf. Acer negundo		3		
	Sub-total:	20			
	Total pollen:	209			
Other microfossils:					
60	Botryococcus		99		
61	Coelastrum		100	27	21
63	Pediastrum M		23		
64	Pediastrum O		100	54	34
65	Pediastrum X		17		
66	Pediastrum Y		99		
67	Hystrichosphaerids		10		
71	Dryopteris-type		1		
102	large,strange TCT/Sedge, cf. #1432		5		
106	Tendipedid tails		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		215		
100	Lycopodium (tracer)		121		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1815

Sample depth = 5.700 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.568 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		22		
4	Pseudotsuga		1		
6	Tsuga (fringed)		2		
7	TCT		22		
9	Quercus		104		
14	Castanopsis		6		
15	Alnus		6		
18	Salix		3		
76	Sequoia		2		
77	Corylus		1		
	Sub-total:	169			
Aquatic pollen:					
19	Cyperaceae		3		
22	Typha (tetrads)		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		2		
32	Artemisia		1		
34	Gramineae		5		
36	Ranunculaceae		1		
41	Rhamnaceae		16		
	Sub-total:	26			
Other pollen:					
52	4-colpate reticulate unk.		1		
57	unknowns		10		
	Sub-total:	11			
	Total pollen:	210			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		3	17	10
61	Coelastrum		31	17	10
63	Pediastrum M		5	17	10
64	Pediastrum O		56	17	10
65	Pediastrum X		3	17	10
66	Pediastrum Y		10	17	10
67	Hystrichosphaerids		4	17	10
71	Dryopteris-type		1		
102	large,strange TCT/Sedge, cf. #1432		1	17	10
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		134		
100	Lycopodium (tracer)		95		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1803

Sample depth = 9.300 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.510 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		21		
4	Pseudotsuga		1		
7	TCT		31		
9	Quercus		100		
14	Castanopsis		6		
15	Alnus		5		
77	Corylus		1		
	Sub-total:	165			
Aquatic pollen:					
19	Cyperaceae		7		
22	Typha (tetrads)		1		
23	Typha/Sparganium (monads)		1		
	Sub-total:	9			
Herbs and shrubs:					
29	High-spine Compositae		4		
34	Gramineae		4		
38	Rosaceae		1		
41	Rhamnaceae		10		
42	Umbelliferae		1		
47	Gilia		1		
48	Cruciferae		3		
50	Liliaceae		1		
	Sub-total:	25			
Other pollen:					
52	4-colpate reticulate unk.		5		
57	unknowns		11		
	Sub-total:	16			
	Total pollen:	215			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		9	24	21
61	Coelastrum		18	24	21
63	Pediastrum A		2	24	21
64	Pediastrum C		57	24	21
65	Pediastrum X		7	24	21
66	Pediastrum Y		9	24	21
67	Hystrichosphaerids		3	24	21
70	Trilete spores		1		
102	large,strange TCT/Sedge, cf. #1432		1	24	21
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		134		
100	Lycopodium (tracer)		105		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1810

Sample depth = 10.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.800 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		21		
7	TCT		17		
9	Quercus		96		
14	Castanopsis		2		
15	Alnus		6		
19	Salix		2		
	Sub-total:	144			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
75	Isoetes		3		
	Sub-total:	6			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		3		
34	Gramineae		9		
38	Rosaceae		2		
39	Polygonaceae		2		
41	Rhamnaceae		13		
112	Polygonum, persicaria-type		1		
	Sub-total:	31			
Other pollen:					
57	unknowns		14		
104	unk., cf. Acer negundo		5		
	Sub-total:	19			
	Total pollen:	200			
Other microfossils:					
60	Botryococcus		15	26	36
61	Coelastrum		45	26	36
62	Pediastrum A		2		
63	Pediastrum N		1		
64	Pediastrum C		100	26	36
66	Pediastrum Y		12		
67	Hystrichosphaerids		18		
102	large,strange TCT/Sedge, cf. #1432		1		
111	strange, non-staining frilly cyst		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		142		
100	Lycopodium (tracer)		194		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1787

Sample depth = 11.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.646 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		35		
2	Abies		1		
7	TCT		20		
9	Quercus		102		
14	Castanopsis		2		
15	Alnus		8		
18	Salix		2		
	Sub-total:	170			
Aquatic pollen:					
19	Cyperaceae		1		
26	Potamogeton		1		
75	Isoetes		1		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		6		
32	Artemisia		2		
34	Gramineae		2		
36	Rosaceae		1		
39	Polygonaceae		1		
41	Rhamnaceae		11		
46	Cruciferae		1		
80	Labiatae		1		
112	Polygonum, persicaria-type		1		
	Sub-total:	26			
Other pollen:					
57	unknowns		12		
104	unk., cf. Acer negundo		2		
	Sub-total:	14			
	Total pollen:	213			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		19	36	34
61	Coelastrum		101	36	34
63	Pediastrum M		2	36	34
64	Pediastrum O		93	36	34
65	Pediastrum X		18	36	34
66	Pediastrum Y		33	36	34
67	Hystrichosphaerids		3	36	34
70	Trilete spores		2		
111	strange, non-staining frilly cyst		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		146		
100	Lycopodium (tracer)		152		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1255

Sample depth = 11.960 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.774 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		22		
4	Pseudotsuga		2		
7	TCT		18		
9	Quercus		95		
14	Castanopsis		1		
15	Alnus		6		
18	Salix		3		
77	Corylus		3		
	Sub-total:	150			
Aquatic pollen:					
19	Cyperaceae		10		
22	Typha (tetrads)		1		
24	Nuphar		1		
75	Isoetes		2		
	Sub-total:	14			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		5		
32	Artemisia		3		
34	Gramineae		5		
41	Rhamnaceae		13		
42	Umbelliferae		2		
46	Thalictrum		1		
	Sub-total:	30			
Other pollen:					
57	unknowns		10		
104	unk., cf. Acer negundo		2		
	Sub-total:	12			
	Total pollen:	206			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		100	97	66
61	Coelastrum		100	24	20
63	Pediastrum N		17		
64	Pediastrum O		100	36	27
65	Pediastrum X		35		
66	Pediastrum Y		82		
67	Hystrichosphaerids		6		
110	Azolla massulae		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		101		
100	Lycopodium (tracer)		74		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1287

Sample depth = 13.020 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.519 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		30		
2	Abies		1		
7	TCT		22		
9	Quercus		91		
10	Lithocarpus		[illegible]		
14	Castanopsis		[illegible]		
15	Alnus		[illegible]		
18	Salix		[illegible]		
	Sub-total:	162			
Aquatic pollen:					
19	Cyperaceae		6		
22	Typha (tetrads)		1		
23	Typha/Sparganium (monads)		1		
75	Isoetes		2		
	Sub-total:	10			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		7		
32	Artemisia		[illegible]		
34	Gramineae		[illegible]		
41	Rhamnaceae		15		
46	Thalictrum		1		
80	Labiatae		1		
	Sub-total:	31			
Other pollen:					
57	unknowns		11		
104	unk., cf. Acer negundo		2		
	Sub-total:	13			
	Total pollen:	216			
Other microfossils:					
60	Botryococcus		26	26	12
61	Coelastrum		85	26	12
63	Pediastrum N		6	26	12
64	Pediastrum O		76	26	12
65	Pediastrum X		27	26	12
66	Pediastrum Y		23	26	12
67	Hystrichosphaerids		7		
102	large,strange TCT/Sedge, cf. #1432		7		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		132		
100	Lycopodium (tracer)		90		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1888

Sample depth = 14.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.987 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		23		
7	TCT		24		
9	Quercus		113		
14	Castanopsis		3		
15	Alnus		8		
18	Salix		2		
76	Sequoia		1		
	Sub-total:	174			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
75	Isoetes		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		4		
31	Liguliflorae		1		
32	Artemisia		1		
34	Gramineae		7		
39	Polygonaceae		1		
41	Rhamnaceae		4		
50	Liliaceae		1		
80	Labiatae		1		
	Sub-total:	21			
Other pollen:					
57	unknowns		10		
104	unk., cf. Acer negundo		3		
	Sub-total:	13			
	Total pollen:	212			
Other microfossils:					
60	Botryococcus		17	20	16
61	Coelastrum		100	20	16
64	Pediastrum C		62	20	16
65	Pediastrum X		11	20	16
66	Pediastrum Y		11	20	16
67	Hystrichosphaerids		5	20	16
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		115		
100	Lycopodium (tracer)		119		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1897

Sample depth = 15.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.043 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		16		
5	Tsuga (bladders)		1		
7	TCT		18		
9	Quercus		116		
14	Castanopsis		3		
15	Alnus		11		
18	Salix		7		
	Sub-total:	172			
Aquatic pollen:					
19	Cyperaceae		4		
22	Typha/Sparganium (monads)		1		
26	Potamogeton		1		
	Sub-total:	6			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		10		
32	Artemisia		1		
34	Gramineae		8		
41	Rhamnaceae		2		
42	Umbelliferae		3		
50	Liliaceae		1		
80	Labiatae		1		
	Sub-total:	29			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	216			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		22	48	43
61	Coelastrum		100	48	43
64	Pediastrum C		95	48	43
65	Pediastrum X		28	48	43
66	Pediastrum Y		11	48	43
67	Hystrichosphaerids		26		
70	Trilete spores		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		88		
100	Lycopodium (tracer)		73		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1904

Sample depth = 16.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.968 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		21		
7	TCT		14		
9	Quercus		121		
14	Castanopsis		3		
15	Alnus		8		
16	Fraxinus		1		
18	Salix		2		
77	Corylus		1		
	Sub-total:	171			
Aquatic pollen:					
19	Cyperaceae		5		
23	Typha/Sparganium (monads)		1		
26	Potamogeton		1		
	Sub-total:	7			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		7		
32	Artemisia		3		
33	Ericaceae		1		
34	Gramineae		6		
41	Rhamnaceae		3		
49	Cruciferae		3		
80	Labiatae		1		
88	Eriogonum		1		
	Sub-total:	26			
Other pollen:					
57	unknowns		12		
	Sub-total:	12			
	Total pollen:	216			
Other microfossils:					
60	Botryococcus		11		
61	Coelastrum		100	21	14
64	Pediastrum C		19	21	14
65	Pediastrum X		20	21	14
66	Pediastrum Y		9	21	14
67	Hystrichosphaerids		10	39	38
70	Trilete spores		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		99		
100	Lycopodium (tracer)		105		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1911

Sample depth = 17.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.833 grams

Variable number	Variable name	Count	Tracer sub-counts	
Arboreal pollen:				
1	Pinus	32		
7	TCT	23		
9	Quercus	109		
15	Alnus	3		
18	Salix	6		
76	Sequoia	1		
78	Arceuthobium	1		
	Sub-total:	181		
Aquatic pollen:				
19	Cyperaceae	14		
23	Typha/Sparganium (monads)	2		
75	Isoetes	1		
115	Typha dyads	1		
	Sub-total:	18		
Herbs and shrubs:				
28	Cheno-ams	2		
29	High-spine Compositae	9		
32	Artemisia	1		
34	Gramineae	2		
39	Polygonaceae	1		
41	Rhamnaceae	2		
42	Umbelliferae	1		
80	Labiatae	1		
	Sub-total:	19		
Other pollen:				
13	cf. Tilia	1		
57	unknowns	12		
104	unk., cf. Acer negundo	1		
	Sub-total:	14		
	Total pollen:	232		
Other microfossils:				
60	Botryococcus	38	102	96
61	Coelastrum	100	68	63
64	Pediastrum C	100	102	94
65	Pediastrum X	100	49	35
66	Pediastrum Y	38	102	96
67	Hystrichosphaerids	32		
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)	168		
100	Lycopodium (tracer)	177		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1919

Sample depth = 10.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.979 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		25		
2	Abies		1		
4	Pseudotsuga		1		
7	TCT		2[illegible]		
9	Quercus		112		
15	Alnus		10		
18	Salix		5		
76	Sequoia		[illegible]		
118	Castanea		2		
	Sub-total:	185			
Aquatic pollen:					
19	Cyperaceae		9		
25	Typha/Sparganium (monads)		[illegible]		
26	Potamogeton		[illegible]		
115	Typha dyads		1		
	Sub-total:	16			
Herbs and shrubs:					
29	High-spine Compositae		5		
32	Artemisia		1		
34	Gramineae		[illegible]		
41	Rhamnaceae		1		
42	Umbelliferae		1		
88	Eriogonum		1		
	Sub-total:	12			
Other pollen:					
57	unknowns		14		
104	unk., cf. Acer negundo		4		
	Sub-total:	18			
	Total pollen:	[illegible]1			
Other microfossils:					
60	Botryococcus		[illegible]	34	21
61	Coelastrum		35	34	21
64	Pediastrum C		100	34	21
65	Pediastrum X		64	34	21
66	Pediastrum Y		11	34	21
67	Hystrichosphaerids		28	34	21
70	Trilete spores		2		
71	Dryopteris-type		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		122		
100	Lycopodium (tracer)		99		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1869

Sample depth = 20.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.066 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		34		
6	Tsuga (fringed)		1		
7	TCT		19		
9	Quercus		100		
15	Alnus		14		
18	Salix		3		
77	Corylus		2		
78	Arceuthobium		1		
	Sub-total:	174			
Aquatic pollen:					
19	Cyperaceae		7		
22	Typha (tetrads)		1		
26	Potamogeton		2		
	Sub-total:	10			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		6		
31	Liguliflorae		1		
34	Gramineae		5		
41	Rhamnaceae		1		
42	Umbelliferae		1		
47	Gilia		1		
49	Cruciferae		2		
80	Labiatae		1		
	Sub-total:	19			
Other pollen:					
57	unknowns		5		
104	unk., cf. Acer negundo		3		
	Sub-total:	8			
	Total pollen:	211			
Other microfossils:					
59	Nuphar leaf hairs		6		
60	Botryococcus		3	14	13
61	Coelastrum		13	14	13
62	Pediastrum A		100	14	13
63	Pediastrum M		5	14	13
64	Pediastrum C		6	14	13
65	Pediastrum X		100	8	11
66	Pediastrum Y		4	14	13
67	Hystrichosphaerids		8		
70	Trilete spores		2		
102	large,strange TCT/Sedge, cf. #1432		6		
111	strange, non-staining frilly cyst		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		150		
100	Lycopodium (tracer)		161		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 187

Sample depth = 21.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.972 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		75		
2	Abies		4		
4	Pseudotsuga		2		
7	TCT		28		
9	Quercus		61		
15	Alnus		12		
16	Fraxinus		2		
18	Salix		1		
77	Corylus		2		
	Sub-total:	187			
Aquatic pollen:					
19	Cyperaceae		6		
22	Typha (tetrads)		2		
75	Isoetes		15		
	Sub-total:	23			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		2		
42	Umbelliferae		1		
46	Thalictrum		1		
	Sub-total:	7			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		7		
104	unk., cf. Acer negundo		4		
	Sub-total:	12			
	Total pollen:	229			
Other microfossils:					
59	Nuphar leaf hairs		25		
60	Botryococcus		19	41	28
61	Coelastrum		26	41	28
62	Pediastrum A		30	41	28
63	Pediastrum M		29	41	28
64	Pediastrum O		44	41	28
65	Pediastrum X		49	41	28
66	Pediastrum Y		33	41	28
67	Hystrichosphaerids		1		
70	Trilete spores		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		144		
100	Lycopodium (tracer)		109		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1685

Sample depth = 22.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.936 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		91		
2	Abies		1		
3	Picea		1		
4	Pseudotsuga		5		
6	Tsuga (fringed)		2		
7	TCT		29		
9	Quercus		30		
15	Alnus		7		
18	Salix		2		
77	Corylus		2		
	Sub-total:	170			
Aquatic pollen:					
19	Cyperaceae		6		
22	Typha (tetrads)		2		
75	Isoetes		24		
	Sub-total:	32			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		4		
30	Low-spine Compositae		1		
31	Liguliflorae		1		
32	Artemisia		1		
41	Rhamnaceae		1		
47	Gilia		1		
88	Eriogonum		1		
	Sub-total:	11			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		12		
	Sub-total:	13			
	Total pollen:	220			
Other microfossils:					
59	Nuphar leaf hairs		12		
60	Botryococcus		63		
62	Pediastrum A		86		
63	Pediastrum N		35		
64	Pediastrum C		44		
65	Pediastrum X		100	53	47
66	Pediastrum Y		9		
70	Trilete spores		1		
101	Pediastrum K		1		
111	strange, non-staining frilly cyst		4		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		112		
100	Lycopodium (tracer)		83		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1079

Sample depth = 22.950 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.749 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		114		
7	TCT		20		
9	Quercus		35		
14	Castanopsis		1		
15	Alnus		3		
18	Salix		1		
	Sub-total:	174			
Aquatic pollen:					
19	Cyperaceae		7		
22	Typha (tetrads)		1		
75	Isoetes		20		
	Sub-total:	28			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		6		
32	Artemisia		2		
34	Gramineae		2		
39	Polygonaceae		2		
41	Rhamnaceae		1		
42	Umbelliferae		2		
46	Thalictrum		1		
	Sub-total:	17			
Other pollen:					
57	unknowns		2		
104	unk., cf. Acer negundo		2		
	Sub-total:	4			
	Total pollen:	223			
Other microfossils:					
59	Nuplar leaf hairs		9		
60	Botryococcus		14		
61	Coelastrum		4		
62	Pediastrum A		100	19	11
63	Pediastrum B		52		
64	Pediastrum C		12	42	29
65	Pediastrum X		100	42	29
66	Pediastrum Y		3		
67	Hystrichosphaerids		1		
70	Trilete spores		3		
111	strange, non-staining frilly cyst		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		125		
100	Lycopodium (tracer)		91		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1674

Sample depth = 25.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.467 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		62		
7	TCT		52		
9	Quercus		21		
15	Alnus		4		
	Sub-total:	139			
Aquatic pollen:					
19	Cyperaceae		28		
22	Typha (tetrads)		2		
23	Typha/Sparganium (monads)		4		
24	Nuphar		2		
26	Potamogeton		1		
75	Isoetes		17		
	Sub-total:	54			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		5		
42	Umbelliferae		1		
43	Caryophyllaceae		1		
46	Cruciferae		2		
80	Labiatae		1		
	Sub-total:	17			
Other pollen:					
13	cf. Tilia		1		
52	4-colpate reticulate unk.		5		
57	unknowns		7		
	Sub-total:	13			
	Total pollen:	223			
Other microfossils:					
59	Nuphar leaf hairs		33		
60	Botryococcus		17		
62	Pediastrum A		25		
64	Pediastrum C		100	35	17
65	Pediastrum X		100	82	65
66	Pediastrum Y		4		
67	Hystrichosphaerids		1		
68	Nuphar sclereids		1		
101	Pediastrum K		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		87		
100	Lycopodium (tracer)		71		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1673

Sample depth = 25.430 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.300 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		76		
4	Pseudotsuga		1		
7	TCT		45		
9	Quercus		25		
15	Alnus		2		
	Sub-total:	149			
Aquatic pollen:					
19	Cyperaceae		19		
22	Typha (tetrads)		2		
23	Typha/Sparganium (monads)		3		
24	Nuphar		3		
75	Isoetes		1		
	Sub-total:	27			
Herbs and shrubs:					
29	High-spine Compositae		4		
30	Low-spine Compositae		1		
32	Artemisia		2		
33	Ericaceae		1		
34	Gramineae		1		
114	Rubiaceae		1		
114	Rubiaceae		1		
	Sub-total:	11			
Other pollen:					
57	unknowns		4		
104	unk., cf. Acer negundo		9		
	Sub-total:	13			
	Total pollen:	210			
Other microfossils:					
59	Nuphar leaf hairs		79		
60	Botryococcus		20		
62	Pediastrum A		9		
64	Pediastrum C		100	13	8
65	Pediastrum X		14	13	8
66	Pediastrum Y		1		
67	Hystrichosphaerids		6		
72	Large, fringed trilete spore		1		
101	Pediastrum K		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		100		
100	Lycopodium (tracer)		74		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1669

Sample depth = 26.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 1.918 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		84
2	Abies		1
7	TCT		55
9	Quercus		18
14	Castanopsis		1
	Sub-total:	159	
Aquatic pollen:			
19	Cyperaceae		7
23	Typha/Sparganium (monads)		3
26	Potamogeton		1
75	Isoetes		1
	Sub-total:	12	
Herbs and shrubs:			
28	Chero-ams		1
29	High-spine Compositae		1
32	Artemisia		1
34	Gramineae		1
46	Thalictrum		1
	Sub-total:	5	
Other pollen:			
57	unknowns		6
104	unk., cf. Acer negundo		18
	Sub-total:	24	
	Total pollen:	200	
Other microfossils:			
59	Nuphar leaf hairs		35
60	Botryococcus		21
61	Coelastrum		1
62	Pediastrum A		4
64	Pediastrum C		91
65	Pediastrum X		56
66	Pediastrum Y		51
67	Hystrichosphaerids		54
71	Dryopteris-type		1
101	Pediastrum K		2
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		111
100	Lycopodium (tracer)		55

Clear Lake, Lake County, California, Core "
Raw pollen count data for sample 1665

Sample depth = 27.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.238 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		97		
2	Abies		[illegible]		
4	Pseudotsuga		4		
6	Tsuga (fringed)		1		
7	TCT		79		
9	Quercus		[illegible]		
18	Salix		[illegible]		
	Sub-total:	192			
Aquatic pollen:					
19	Cyperaceae		5		
23	Typha/Sparganium (monads)		1		
26	Potamogeton		1		
75	Isoetes		[illegible]		
	Sub-total:	13			
Herbs and shrubs:					
29	High-spine Compositae		1		
32	Artemisia		4		
34	Gramineae		5		
	Sub-total:	10			
Other pollen:					
57	unknowns		3		
	Sub-total:	3			
	Total pollen:	218			
Other microfossils:					
59	Nuphar leaf hairs		25		
60	Botryococcus		18	60	32
61	Coelastrum		59	60	32
64	Pediastrum C		68	60	32
65	Pediastrum X		9	60	32
66	Pediastrum Y		57	60	32
67	Hystrichosphaerids		1		
71	Dryopteris-type		1		
101	Pediastrum K		1	60	32
111	strange, non-staining frilly cyst		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		106		
100	Lycopodium (tracer)		85		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1660

Sample depth = 28.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.551 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		104		
2	Abies		9		
3	Picea		3		
4	Pseudotsuga		2		
6	Tsuga (fringed)		1		
7	TCT		58		
9	Quercus		3		
12	Juglans		1		
15	Alnus		1		
18	Salix		4		
	Sub-total:	185			
Aquatic pollen:					
19	Cyperaceae		7		
26	Potamogeton		1		
75	Isoetes		12		
	Sub-total:	20			
Herbs and shrubs:					
29	High-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		3		
	Sub-total:	5			
Other pollen:					
57	unknowns		7		
	Sub-total:	7			
	Total pollen:	217			
Other microfossils:					
59	Nuphar leaf hairs		9		
60	Botryococcus		57		
62	Pediastrum A		10		
64	Pediastrum C		100	84	77
65	Pediastrum X		5		
66	Pediastrum Y		100	97	88
83	Pediastrum AA		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		136		
100	Lycopodium (tracer)		122		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1650

Sample depth = 29.400 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.772 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		77		
2	Abies		2		
4	Pseudotsuga		3		
5	Tsuga (bladders)		2		
7	TCT		97		
9	Quercus		2		
15	Alnus		1		
	Sub-total:	184			
Aquatic pollen:					
19	Cyperaceae		3		
23	Typha/Sparganium (monads)		1		
75	Isoetes		15		
	Sub-total:	19			
Herbs and shrubs:					
29	High-spine Compositae		3		
32	Artemisia		7		
34	Gramineae		1		
	Sub-total:	11			
Other pollen:					
57	unknowns		12		
	Sub-total:	12			
	Total pollen:	226			
Other microfossils:					
59	Nuphar leaf hairs		4		
60	Botryococcus		11	85	77
64	Pediastrum C		100	85	77
65	Pediastrum X		11	85	77
66	Pediastrum Y		66	85	77
67	Hystrichosphaerids		1		
101	Pediastrum K		6	85	77
106	Tendipedid tails		5		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		208		
100	Lycopodium (tracer)		167		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1655

Sample depth = 29.900 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.602 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		77		
2	Abies		1		
4	Pseudotsuga		1		
5	Tsuga (bladders)		2		
7	TCT		81		
9	Quercus		4		
18	Salix		2		
78	Arceuthobium		1		
	Sub-total:	169			
Aquatic pollen:					
19	Cyperaceae		10		
26	Potamogeton		1		
75	Isoetes		13		
	Sub-total:	24			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		13		
34	Gramineae		5		
39	Polygonaceae		2		
43	Caryophyllaceae		1		
103	Portulacaceae		1		
	Sub-total:	22			
Other pollen:					
53	cf. Tilia, 4 pores		1		
57	unknowns		8		
	Sub-total:	9			
	Total pollen:	224			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		21	18	8
61	Coelastrum		28	18	8
64	Pediastrum C		63	18	8
65	Pediastrum X		13	18	8
66	Pediastrum Y		72	18	8
101	Pediastrum K		26	18	8
111	strange, non-staining frilly cyst		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		163		
100	Lycopodium (tracer)		118		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1643

Sample depth = 30.300 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.559 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		64		
2	Abies		7		
4	Pseudotsuga		1		
6	Tsuga (fringed)		1		
7	TCT		87		
9	Quercus		4		
12	Juglans		1		
	Sub-total:	165			
Aquatic pollen:					
19	Cyperaceae		3		
26	Potamogeton		1		
75	Isoetes		15		
	Sub-total:	19			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		7		
32	Artemisia		10		
34	Gramineae		2		
42	Umbelliferae		1		
	Sub-total:	21			
Other pollen:					
55	echinate unk., cf. #26		1		
57	unknowns		9		
	Sub-total:	10			
	Total pollen:	215			
Other microfossils:					
59	Nuphar leaf hairs		7		
60	Botryococcus		100	135	87
61	Coelastrum		100	20	12
64	Pediastrum C		100	20	12
65	Pediastrum X		27	23	14
66	Pediastrum Y		100	14	9
101	Pediastrum K		100	23	14
106	Tendipedid tails		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		160		
100	Lycopodium (tracer)		100		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1649

Sample depth = 30.900 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.626 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		96		
2	Abies		4		
4	Pseudotsuga		1		
7	TCT		113		
9	Quercus		2		
15	Alnus		1		
18	Salix		2		
	Sub-total:	219			
Aquatic pollen:					
19	Cyperaceae		10		
75	Isoetes		7		
	Sub-total:	17			
Herbs and shrubs:					
28	Cheno-ams		4		
29	High-spine Compositae		1		
32	Artemisia		13		
34	Gramineae		5		
40	Polygonum californicum		2		
	Sub-total:	25			
Other pollen:					
57	unknowns		7		
	Sub-total:	7			
	Total pollen:	268			
Other microfossils:					
59	Nuphar leaf hairs		7		
60	Botryococcus		76		
61	Coelastrum		11		
64	Pediastrum C		100	24	10
65	Pediastrum X		9	24	10
66	Pediastrum Y		61	24	10
67	Hystrichosphaerids		1		
101	Pediastrum K		12	24	10
111	strange, non-staining frilly cyst		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		167		
100	Lycopodium (tracer)		100		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1039

Sample depth = 31.500 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.729 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		74
2	Abies		4
4	Pseudotsuga		3
5	Tsuga (bladders)		3
7	TCT		106
9	Quercus		3
18	Salix		3
	Sub-total:	196	
Aquatic pollen:			
19	Cyperaceae		6
23	Typha/Sparganium (monads)		1
75	Isoetes		2
	Sub-total:	9	
Herbs and shrubs:			
29	High-spine Compositae		3
32	Artemisia		4
34	Gramineae		2
	Sub-total:	9	
Other pollen:			
57	unknowns		11
	Sub-total:	11	
	Total pollen:	225	
Other microfossils:			
59	Nuphar leaf hairs		5
60	Botryococcus		8
64	Pediastrum C		9
65	Pediastrum X		5
66	Pediastrum Y		25
71	Dryopteris-type		1
101	Pediastrum K		53
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		164
100	Lycopodium (tracer)		141

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1630

Sample depth = 32.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.576 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		76		
2	Abies		6		
4	Pseudotsuga		1		
7	TCT		106		
9	Quercus		3		
14	Castanopsis		1		
15	Alnus		1		
18	Salix		3		
78	Arceuthobium		1		
	Sub-total:	198			
Aquatic pollen:					
19	Cyperaceae		8		
75	Isoetes		9		
	Sub-total:	16			
Herbs and shrubs:					
29	High-spine Compositae		5		
32	Artemisia		7		
34	Gramineae		2		
49	Cruciferae		2		
103	Portulacaceae		1		
	Sub-total:	17			
Other pollen:					
55	echinate unk., cf. #26		1		
57	unknowns		7		
	Sub-total:	8			
	Total pollen:	239			
Other microfossils:					
59	Nuphar leaf hairs		4		
60	Botryococcus		64		
62	Pediastrum A		3		
64	Pediastrum C		100	62	34
65	Pediastrum X		23		
66	Pediastrum Y		100	47	21
67	Hystrichosphaerids		1		
101	Pediastrum K		100	83	48
106	Tendipedid tails		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		122		
100	Lycopodium (tracer)		80		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1623

Sample depth = 33.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.646 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		77		
2	Abies		2		
7	TCT		94		
9	Quercus		2		
11	Betula		1		
15	Alnus		1		
18	Salix		1		
	Sub-total:	178			
Aquatic pollen:					
19	Cyperaceae		8		
21	Myriophyllum		1		
75	Isoetes		3		
	Sub-total:	12			
Herbs and shrubs:					
29	High-spine Compositae		2		
31	Liguliflorae		1		
32	Artemisia		3		
34	Gramineae		6		
41	Rhamnaceae		1		
43	Caryophyllaceae		1		
88	Eriogonum		1		
103	Portulacaceae		3		
	Sub-total:	18			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		7		
	Sub-total:	8			
	Total pollen:	216			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		11	6	9
64	Pediastrum O		25	6	9
65	Pediastrum X		3	6	9
66	Pediastrum Y		100	6	9
70	Trilete spores		1		
101	Pediastrum K		38	6	9
111	strange, non-staining frilly cyst		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		121		
100	Lycopodium (tracer)		93		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1616

Sample depth = 34.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.684 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		81		
2	Abies		1		
3	Picea		3		
7	TCT		87		
9	Quercus		1		
18	Salix		1		
	Sub-total:	174			
Aquatic pollen:					
19	Cyperaceae		4		
75	Isoetes		10		
	Sub-total:	14			
Herbs and shrubs:					
28	Cheno-ams		1		
32	Artemisia		6		
34	Gramineae		7		
41	Rhamnaceae		1		
42	Umbelliferae		1		
43	Caryophyllaceae		2		
47	Gilia		1		
49	Cruciferae		1		
88	Eriogonum		1		
	Sub-total:	21			
Other pollen:					
55	echinate unk., cf. #26		1		
57	unknowns		7		
	Sub-total:	8			
	Total pollen:	217			
Other microfossils:					
60	Botryococcus		13		
62	Pediastrum A		9		
64	Pediastrum O		100	143	97
65	Pediastrum X		37		
66	Pediastrum Y		99		
83	Pediastrum AA		8		
101	Pediastrum K		100	120	81
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		180		
100	Lycopodium (tracer)		118		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1746

Sample depth = 35.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.824 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		75		
2	Abies		3		
5	Tsuga (bladders)		1		
6	Tsuga (fringed)		1		
7	TCT		112		
9	Quercus		1		
	Sub-total:	193			
Aquatic pollen:					
19	Cyperaceae		5		
75	Isoetes		18		
	Sub-total:	23			
Herbs and shrubs:					
29	High-spine Compositae		4		
32	Artemisia		3		
34	Gramineae		4		
50	Liliaceae		1		
	Sub-total:	12			
Other pollen:					
57	unknowns		6		
	Sub-total:	6			
	Total pollen:	234			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		14	37	26
64	Pediastrum O		54	37	26
65	Pediastrum X		18	37	26
66	Pediastrum Y		54	37	26
101	Pediastrum K		81	37	26
111	strange, non-staining frilly cyst		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		117		
100	Lycopodium (tracer)		77		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1730

Sample depth = 35.950 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.822 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		71		
2	Abies		2		
4	Pseudotsuga		6		
6	Tsuga (fringed)		1		
7	TCT		112		
9	Quercus		1		
16	Fraxinus		1		
18	Salix		1		
	Sub-total:	195			
Aquatic pollen:					
19	Cyperaceae		4		
26	Potamogeton		1		
75	Isoetes		10		
	Sub-total:	15			
Herbs and shrubs:					
32	Artemisia		7		
34	Gramineae		9		
42	Umbelliferae		1		
	Sub-total:	17			
Other pollen:					
57	unknowns		7		
	Sub-total:	7			
	Total pollen:	234			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		100	86	55
64	Pediastrum C		100	45	29
65	Pediastrum X		14		
66	Pediastrum Y		26		
101	Pediastrum K		5		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		151		
100	Lycopodium (tracer)		102		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1724

Sample depth = 37.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.654 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		81		
2	Abies		3		
4	Pseudotsuga		1		
6	Tsuga (fringed)		1		
7	TCT		107		
9	Quercus		5		
18	Salix		1		
	Sub-total:	199			
Aquatic pollen:					
19	Cyperaceae		3		
75	Isoetes		11		
	Sub-total:	14			
Herbs and shrubs:					
29	High-spine Compositae		5		
32	Artemisia		4		
34	Gramineae		7		
	Sub-total:	16			
Other pollen:					
57	unknowns		8		
	Sub-total:	8			
	Total pollen:	237			
Other microfossils:					
59	Nuphar leaf hairs		2		
60	Botryococcus		35	36	29
61	Coelastrum		1		
64	Pediastrum O		100	36	29
65	Pediastrum X		12	36	29
66	Pediastrum Y		11	36	29
106	Tendipedid tails		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		193		
100	Lycopodium (tracer)		147		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1718

Sample depth = 38.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.877 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		91		
2	Abies		5		
4	Pseudotsuga		2		
7	TCT		79		
9	Quercus		1		
12	Juglans		1		
18	Salix		1		
	Sub-total:	180			
Aquatic pollen:					
19	Cyperaceae		5		
75	Isoetes		28		
	Sub-total:	33			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		8		
34	Gramineae		4		
40	Polygonum californicum		1		
	Sub-total:	15			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		7		
	Sub-total:	8			
	Total pollen:	236			
Other microfossils:					
59	Nuphar leaf hairs		4		
60	Botryococcus		60		
64	Pediastrum C		100	79	60
65	Pediastrum X		6		
66	Pediastrum Y		19		
83	Pediastrum AA		1		
106	Tendipedid tails		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		132		
100	Lycopodium (tracer)		104		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1712

Sample depth = 39.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.640 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		81		
2	Abies		5		
4	Pseudotsuga		1		
7	TCT		99		
9	Quercus		3		
	Sub-total:	189			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		2		
75	Isoetes		17		
	Sub-total:	21			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		4		
34	Gramineae		4		
	Sub-total:	10			
Other pollen:					
57	unknowns		2		
	Sub-total:	2			
	Total pollen:	222			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		12	46	36
64	Pediastrum O		100	46	36
65	Pediastrum X		10	46	36
66	Pediastrum Y		14	46	36
101	Pediastrum K		4	46	36
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		128		
100	Lycopodium (tracer)		86		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1705

Sample depth = 40.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.822 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		57		
2	Abies		3		
4	Pseudotsuga		2		
7	TCT		93		
9	Quercus		1		
18	Salix		1		
	Sub-total:	157			
Aquatic pollen:					
19	Cyperaceae		4		
26	Potamogeton		2		
75	Isoetes		38		
	Sub-total:	44			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		7		
34	Gramineae		6		
103	Portulacaceae		1		
	Sub-total:	16			
Other pollen:					
57	unknowns		8		
	Sub-total:	8			
	Total pollen:	225			
Other microfossils:					
59	Nuphar leaf hairs		2		
60	Botryococcus		68		
61	Coelastrum		2		
64	Pediastrum O		100	71	48
65	Pediastrum X		13		
66	Pediastrum Y		28		
83	Pediastrum AA		2		
101	Pediastrum K		40		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		96		
100	Lycopodium (tracer)		87		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1698

Sample depth = 40.950 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.844 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		118		
2	Abies		4		
5	Tsuga (bladders)		2		
7	TCT		55		
15	Alnus		2		
18	Salix		3		
	Sub-total:	184			
Aquatic pollen:					
19	Cyperaceae		3		
75	Isoetes		17		
	Sub-total:	20			
Herbs and shrubs:					
29	High-spine Compositae		6		
32	Artemisia		8		
34	Gramineae		3		
40	Polygonum californicum		1		
41	Rhamnaceae		2		
43	Caryophyllaceae		1		
103	Portulacaceae		1		
	Sub-total:	22			
Other pollen:					
57	unknowns		6		
	Sub-total:	6			
	Total pollen:	232			
Other microfossils:					
60	Botryococcus		8	17	30
61	Coelastrum		100	17	30
65	Pediastrum X		7	17	30
66	Pediastrum Y		57	17	30
101	Pediastrum K		55	17	30
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		95		
100	Lycopodium (tracer)		108		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1778

Sample depth = 42.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.083 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		72		
2	Abies		1		
6	Tsuga (fringed)		1		
7	TCT		82		
9	Quercus		3		
	Sub-total:	159			
Aquatic pollen:					
26	Potamogeton		1		
75	Isoetes		31		
	Sub-total:	32			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		3		
32	Artemisia		5		
34	Gramineae		3		
43	Caryophyllaceae		1		
103	Portulacaceae		1		
	Sub-total:	15			
Other pollen:					
57	unknowns		10		
	Sub-total:	10			
	Total pollen:	216			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		25	75	56
61	Coelastrum		2		
64	Pediastrum O		100	75	56
65	Pediastrum X		34	75	56
66	Pediastrum Y		45	75	56
101	Pediastrum K		43	75	56
102	large,strange TCT/Sedge, cf. #1432		1		
106	Tendipedid tails		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		163		
100	Lycopodium (tracer)		132		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1736

Sample depth = 43.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.714 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		64
3	Picea		1
4	Pseudotsuga		4
5	Tsuga (bladders)		1
7	TCT		107
9	Quercus		2
18	Salix		1
	Sub-total:	180	
Aquatic pollen:			
19	Cyperaceae		4
26	Potamogeton		2
75	Isoetes		13
	Sub-total:	19	
Herbs and shrubs:			
28	Cheno-ams		2
29	High-spine Compositae		2
32	Artemisia		4
34	Gramineae		3
40	Polygonum californicum		1
43	Caryophyllaceae		3
	Sub-total:	15	
Other pollen:			
57	unknowns		6
	Sub-total:	6	
	Total pollen:	220	
Other microfossils:			
59	Nuphar leaf hairs		1
60	Botryococcus		95
61	Coelastrum		3
64	Pediastrum C		90
65	Pediastrum X		41
66	Pediastrum Y		59
83	Pediastrum AA		3
101	Pediastrum K		89
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		169
100	Lycopodium (tracer)		125

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1743

Sample depth = 44.300 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 2.688 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		64		
2	Abies		7		
4	Pseudotsuga		2		
5	Tsuga (bladders)		2		
7	TCT		92		
9	Quercus		2		
18	Salix		1		
	Sub-total:	170			
Aquatic pollen:					
19	Cyperaceae		2		
23	Typha/Sparganium (monads)		1		
26	Potamogeton		2		
75	Isoetes		25		
	Sub-total:	30			
Herbs and shrubs:					
29	High-spine Compositae		3		
32	Artemisia		15		
33	Ericaceae		1		
34	Gramineae		3		
38	Rosaceae		1		
39	Polygonaceae		1		
43	Caryophyllaceae		1		
	Sub-total:	25			
Other pollen:					
57	unknowns		1		
	Sub-total:	1			
	Total pollen:	226			
Other microfossils:					
60	Botryococcus		50		
61	Coelastrum		1		
62	Pediastrum A		1		
64	Pediastrum O		100	70	61
65	Pediastrum X		44		
66	Pediastrum Y		50		
101	Pediastrum K		24		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		133		
100	Lycopodium (tracer)		104		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1753

Sample depth = 46.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.069 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		52
2	Abies		4
3	Picea		1
4	Pseudotsuga		2
7	TCT		116
9	Quercus		2
16	Fraxinus		1
18	Salix		1
	Sub-total:	179	
Aquatic pollen:			
19	Cyperaceae		5
75	Isoetes		3
	Sub-total:	8	
Herbs and shrubs:			
28	Cheno-ams		2
29	High-spine Compositae		2
32	Artemisia		10
34	Gramineae		1
41	Rhamnaceae		1
103	Portulacaceae		3
	Sub-total:	19	
Other pollen:			
57	unknowns		1
	Sub-total:	1	
	Total pollen:	207	
Other microfossils:			
59	Nuphar leaf hairs		8
60	Botryococcus		66
61	Coelastrum		10
65	Pediastrum X		8
66	Pediastrum Y		11
101	Pediastrum K		100
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		126
100	Lycopodium (tracer)		69

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1762

Sample depth = 47.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.492 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		55		
2	Abies		4		
3	Picea		2		
7	TCT		124		
9	Quercus		5		
18	Salix		2		
	Sub-total:	192			
Aquatic pollen:					
19	Cyperaceae		5		
23	Typha/Sparganium (monads)		1		
75	Isoetes		2		
	Sub-total:	8			
Herbs and shrubs:					
29	High-spine Compositae		4		
32	Artemisia		3		
34	Gramineae		3		
43	Caryophyllaceae		1		
	Sub-total:	11			
Other pollen:					
57	unknowns		10		
	Sub-total:	10			
	Total pollen:	221			
Other microfossils:					
59	Nuphar leaf hairs		6		
60	Botryococcus		58		
61	Coelastrum		3		
65	Pediastrum X		4		
66	Pediastrum Y		3		
83	Pediastrum AA		1		
101	Pediastrum K		100	87	51
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		98		
100	Lycopodium (tracer)		65		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1769

Sample depth = 48.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.492 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		60
2	Abies		2
3	Picea		1
5	Tsuga (bladders)		2
6	Tsuga (fringed)		1
7	TCT		110
9	Quercus		9
15	Alnus		1
18	Salix		1
	Sub-total:	187	
Aquatic pollen:			
19	Cyperaceae		1
	Sub-total:	1	
Herbs and shrubs:			
29	High-spine Compositae		6
32	Artemisia		9
34	Gramineae		3
	Sub-total:	18	
Other pollen:			
57	unknowns		8
	Sub-total:	8	
	Total pollen:	214	
Other microfossils:			
60	Botryococcus		61
61	Coelastrum		17
65	Pediastrum X		2
66	Pediastrum Y		2
101	Pediastrum K		3
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		113
100	Lycopodium (tracer)		106

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1775

Sample depth = 49.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.400 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		80		
2	Abies		2		
3	Picea		1		
4	Pseudotsuga		1		
6	Tsuga (fringed)		1		
7	TCT		134		
9	Quercus		2		
15	Alnus		1		
	Sub-total:	222			
Aquatic pollen:					
19	Cyperaceae		1		
26	Potamogeton		1		
75	Isoetes		1		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		6		
32	Artemisia		10		
33	Ericaceae		1		
34	Gramineae		1		
50	Liliaceae		1		
103	Portulacaceae		2		
	Sub-total:	22			
Other pollen:					
57	unknowns		12		
	Sub-total:	12			
	Total pollen:	259			
Other microfossils:					
59	Nuphar leaf hairs		3		
60	Botryococcus		58		
62	Pediastrum A		2		
65	Pediastrum X		1		
66	Pediastrum Y		6		
101	Pediastrum K		100	44	48
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		106		
100	Lycopodium (tracer)		106		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1239

Sample depth = 50.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.328 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		68
2	Abies		1
7	TCT		125
9	Quercus		10
14	Castanopsis		1
16	Fraxinus		1
18	Salix		1
	Sub-total:	207	
Aquatic pollen:			
19	Cyperaceae		3
26	Potamogeton		1
75	Isoetes		8
	Sub-total:	12	
Herbs and shrubs:			
29	High-spine Compositae		2
30	Low-spine Compositae		1
32	Artemisia		3
	Sub-total:	6	
Other pollen:			
57	unknowns		8
104	unk., cf. Acer negundo		4
	Sub-total:	12	
	Total pollen:	237	
Other microfossils:			
59	Nuphar leaf hairs		2
60	Botryococcus		37
65	Pediastrum X		1
101	Pediastrum K		2
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		112
100	Lycopodium (tracer)		83

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1269

Sample depth = 51.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.515 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		58	
2	Abies		1	
4	Pseudotsuga		1	
6	Tsuga (fringed)		1	
7	TCT		122	
9	Quercus		6	
18	Salix		3	
	Sub-total:	192		
Aquatic pollen:				
19	Cyperaceae		2	
75	Isoetes		3	
	Sub-total:	5		
Herbs and shrubs:				
29	High-spine Compositae		3	
32	Artemisia		7	
34	Gramineae		1	
43	Caryophyllaceae		1	
	Sub-total:	12		
Other pollen:				
57	unknowns		14	
104	unk., cf. Acer negundo		3	
	Sub-total:	17		
	Total pollen:	226		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		17	
65	Pediastrum X		2	
66	Pediastrum Y		1	
101	Pediastrum K		8	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		128	
100	Lycopodium (tracer)		106	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1541

Sample depth = 52.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.285 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		77
2	Abies		6
4	Pseudotsuga		1
7	TCT		96
9	Quercus		3
15	Alnus		1
	Sub-total:	184	
Aquatic pollen:			
19	Cyperaceae		5
23	Typha/Sparganium (monads)		1
75	Isoetes		2
	Sub-total:	8	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		2
31	Liguliflorae		1
32	Artemisia		7
34	Gramineae		3
49	Cruciferae		1
80	Labiatae		1
	Sub-total:	16	
	Total pollen:	208	
Other microfossils:			
59	Nuphar leaf hairs		3
60	Botryococcus		34
65	Pediastrum X		1
66	Pediastrum Y		4
101	Pediastrum K		70
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		102
100	Lycopodium (tracer)		95

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1527

Sample depth = 53.150 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.510 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		66
2	Abies		3
4	Pseudotsuga		2
7	TCT		156
9	Quercus		5
15	Alnus		1
18	Salix		1
	Sub-total:	234	
Aquatic pollen:			
19	Cyperaceae		2
23	Typha/Sparganium (monads)		1
	Sub-total:	3	
Herbs and shrubs:			
29	High-spine Compositae		3
32	Artemisia		2
34	Gramineae		2
38	Rosaceae		1
43	Caryophyllaceae		2
103	Portulacaceae		2
	Sub-total:	12	
Other pollen:			
57	unknowns		7
	Sub-total:	7	
	Total pollen:	256	
Other microfossils:			
59	Nuphar leaf hairs		1
60	Botryococcus		28
66	Pediastrum Y		1
101	Pediastrum K		96
102	large,strange TCT/Sedge, cf. #1432		2
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		96
100	Lycopodium (tracer)		80

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1518

Sample depth = 54.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.416 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		40
2	Abies		7
4	Pseudotsuga		2
7	TCT		122
9	Quercus		4
	Sub-total:	175	
Aquatic pollen:			
19	Cyperaceae		4
23	Typha/Sparganium (monads)		1
	Sub-total:	5	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		5
32	Artemisia		8
39	Polygonaceae		3
103	Portulacaceae		2
	Sub-total:	19	
Other pollen:			
57	unknowns		8
104	unk., cf. Acer negundo		1
	Sub-total:	9	
	Total pollen:	208	
Other microfossils:			
60	Botryococcus		7
66	Pediastrum Y		2
101	Pediastrum K		13
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		84
100	Lycopodium (tracer)		65

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1511

Sample depth = 55.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.387 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		59	
2	Abies		1	
4	Pseudotsuga		3	
7	TCT		120	
9	Quercus		12	
15	Alnus		1	
18	Salix		3	
78	Arceuthobium		1	
	Sub-total:	200		
Aquatic pollen:				
19	Cyperaceae		6	
75	Isoetes		2	
	Sub-total:	8		
Herbs and shrubs:				
29	High-spine Compositae		6	
30	Low-spine Compositae		1	
32	Artemisia		8	
34	Gramineae		2	
39	Polygonaceae		1	
41	Rhamnaceae		1	
42	Umbelliferae		1	
	Sub-total:	20		
Other pollen:				
57	unknowns		7	
	Sub-total:	7		
	Total pollen:	235		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		33	
62	Pediastrum A		6	
65	Pediastrum X		3	
66	Pediastrum Y		6	
83	Pediastrum AA		1	
101	Pediastrum K		65	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		129	
100	Lycopodium (tracer)		79	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1280

Sample depth = 56.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.296 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		67		
2	Abies		3		
4	Pseudotsuga		3		
6	Tsuga (fringed)		1		
7	TCT		95		
9	Quercus		1		
15	Alnus		1		
18	Salix		2		
	Sub-total:	173			
Aquatic pollen:					
19	Cyperaceae		8		
26	Potamogeton		1		
75	Isoetes		12		
	Sub-total:	21			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		4		
30	Low-spine Compositae		1		
31	Liguliflorae		1		
32	Artemisia		16		
33	Ericaceae		1		
34	Gramineae		2		
39	Polygonaceae		2		
40	Polygonum californicum		1		
	Sub-total:	29			
Other pollen:					
57	unknowns		4		
	Sub-total:	4			
	Total pollen:	227			
Other microfossils:					
60	Botryococcus		38		
62	Pediastrum A		5		
65	Pediastrum X		4		
66	Pediastrum Y		2		
83	Pediastrum AA		2		
101	Pediastrum K		100	42	19
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		95		
100	Lycopodium (tracer)		60		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1559

Sample depth = 57.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.727 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		38		
2	Abies		2		
4	Pseudotsuga		3		
7	TCT		139		
9	Quercus		11		
16	Fraxinus		2		
18	Salix		1		
	Sub-total:	196			
Aquatic pollen:					
26	Potamogeton		1		
75	Isoetes		1		
	Sub-total:	2			
Herbs and shrubs:					
29	High-spine Compositae		1		
32	Artemisia		3		
34	Gramineae		1		
42	Umbelliferae		1		
49	Cruciferae		1		
	Sub-total:	7			
Other pollen:					
57	unknowns		6		
104	unk., cf. Acer negundo		2		
108	cf. Fremontia		1		
	Sub-total:	9			
	Total pollen:	214			
Other microfossils:					
60	Botryococcus		20		
66	Pediastrum Y		4		
101	Pediastrum K		100	42	31
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		86		
100	Lycopodium (tracer)		69		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1552

Sample depth = 58.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.737 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		79	
2	Abies		3	
4	Pseudotsuga		1	
5	Tsuga (bladders)		1	
6	Tsuga (fringed)		1	
7	TCT		127	
9	Quercus		23	
15	Alnus		1	
18	Salix		6	
	Sub-total:	242		
Aquatic pollen:				
19	Cyperaceae		3	
	Sub-total:	3		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		8	
32	Artemisia		4	
34	Gramineae		4	
40	Polygonum californicum		1	
88	Eriogonum		1	
103	Portulacaceae		1	
	Sub-total:	20		
Other pollen:				
55	echinate unk., cf. #26		1	
57	unknowns		9	
	Sub-total:	10		
	Total pollen:	275		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		20	
65	Pediastrum X		3	
66	Pediastrum Y		1	
101	Pediastrum K		91	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		124	
100	Lycopodium (tracer)		95	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1245

Sample depth = 59.040 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.464 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		67
2	Abies		6
3	Picea		1
4	Pseudotsuga		1
7	TCT		101
9	Quercus		8
15	Alnus		1
18	Salix		2
	Sub-total:	187	
Aquatic pollen:			
19	Cyperaceae		7
75	Isoetes		92
	Sub-total:	99	
Herbs and shrubs:			
29	High-spine Compositae		4
32	Artemisia		2
34	Gramineae		3
41	Rhamnaceae		2
103	Portulacaceae		1
	Sub-total:	12	
Other pollen:			
57	unknowns		9
104	unk., cf. Acer negundo		1
	Sub-total:	10	
	Total pollen:	308	
Other microfossils:			
60	Botryococcus		7
65	Pediastrum X		8
101	Pediastrum K		14
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		75
100	Lycopodium (tracer)		53

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1275

Sample depth = 60.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.741 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		61	
2	Abies		6	
4	Pseudotsuga		1	
6	Tsuga (fringed)		3	
7	TCT		110	
9	Quercus		1	
12	Juglans		1	
15	Alnus		1	
18	Salix		2	
	Sub-total:	186		
Aquatic pollen:				
19	Cyperaceae		2	
75	Isoetes		3	
	Sub-total:	5		
Herbs and shrubs:				
29	High-spine Compositae		1	
31	Liguliflorae		1	
32	Artemisia		8	
34	Gramineae		5	
43	Caryophyllaceae		1	
88	Eriogonum		1	
103	Portulacaceae		4	
	Sub-total:	21		
Other pollen:				
57	unknowns		6	
	Sub-total:	6		
	Total pollen:	218		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		6	
65	Pediastrum X		2	
101	Pediastrum K		56	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		117	
100	Lycopodium (tracer)		98	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1253

Sample depth = 60.970 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.669 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		49
2	Abies		1
4	Pseudotsuga		1
7	TCT		130
9	Quercus		8
15	Alnus		1
18	Salix		2
	Sub-total:	192	
Aquatic pollen:			
19	Cyperaceae		5
23	Typha/Sparganium (monads)		2
	Sub-total:	7	
Herbs and shrubs:			
29	High-spine Compositae		2
32	Artemisia		5
38	Rosaceae		2
	Sub-total:	9	
Other pollen:			
57	unknowns		4
	Sub-total:	4	
	Total pollen:	212	
Other microfossils:			
60	Botryococcus		11
65	Pediastrum X		1
66	Pediastrum Y		1
101	Pediastrum K		16
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		96
100	Lycopodium (tracer)		64

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1584

Sample depth = 62.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.798 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		45
2	Abies		4
4	Pseudotsuga		3
7	TCT		133
9	Quercus		7
18	Salix		2
	Sub-total:	194	
Aquatic pollen:			
19	Cyperaceae		2
23	Typha/Sparganium (monads)		2
75	Isoetes		2
	Sub-total:	6	
Herbs and shrubs:			
28	Cheno-ams		1
32	Artemisia		6
34	Gramineae		3
42	Umbelliferae		1
43	Caryophyllaceae		1
50	Liliaceae		1
	Sub-total:	13	
Other pollen:			
57	unknowns		5
	Sub-total:	5	
	Total pollen:	218	
Other microfossils:			
60	Botryococcus		11
62	Pediastrum A		1
65	Pediastrum X		1
66	Pediastrum Y		2
101	Pediastrum K		61
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		107
100	Lycopodium (tracer)		69

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1564

Sample depth = 63.200 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.631 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		65	
2	Abies		3	
4	Pseudotsuga		2	
5	Tsuga (bladders)		1	
6	Tsuga (fringed)		2	
7	TCT		167	
9	Quercus		22	
15	Alnus		1	
16	Fraxinus		1	
18	Salix		1	
	Sub-total:	265		
Aquatic pollen:				
19	Cyperaceae		3	
75	Isoetes		1	
	Sub-total:	4		
Herbs and shrubs:				
28	Cheno-ams		2	
31	Liguliflorae		1	
32	Artemisia		6	
39	Polygonaceae		1	
43	Caryophyllaceae		1	
103	Portulacaceae		4	
	Sub-total:	15		
Other pollen:				
57	unknowns		1	
104	unk., cf. Acer negundo		5	
	Sub-total:	6		
	Total pollen:	290		
Other microfossils:				
60	Botryococcus		7	
65	Pediastrum X		2	
66	Pediastrum Y		3	
101	Pediastrum K		37	
106	Tendipedid tails		1	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		76	
100	Lycopodium (tracer)		69	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1571

Sample depth = 64.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.785 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		40	
2	Abies		4	
4	Pseudotsuga		3	
7	TCT		128	
9	Quercus		17	
15	Alnus		1	
18	Salix		2	
	Sub-total:	195		
Aquatic pollen:				
19	Cyperaceae		6	
75	Isoetes		1	
	Sub-total:	7		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		6	
32	Artemisia		6	
34	Gramineae		5	
42	Umbelliferae		1	
43	Caryophyllaceae		2	
49	Cruciferae		3	
103	Portulacaceae		2	
	Sub-total:	26		
Other pollen:				
13	cf. Tilia		1	
53	cf. Tilia, 4 pores		3	
57	unknowns		6	
	Sub-total:	10		
	Total pollen:	238		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		5	
65	Pediastrum X		4	
66	Pediastrum Y		4	
101	Pediastrum K		44	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		81	
100	Lycopodium (tracer)		70	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1600

Sample depth = 65.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.690 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		47	
2	Abies		2	
4	Pseudotsuga		1	
7	TCT		142	
9	Quercus		13	
15	Alnus		1	
16	Fraxinus		1	
18	Salix		3	
	Sub-total:	210		
Aquatic pollen:				
19	Cyperaceae		2	
26	Potamogeton		1	
	Sub-total:	3		
Herbs and shrubs:				
29	High-spine Compositae		4	
31	Liguliflorae		1	
32	Artemisia		3	
42	Umbelliferae		2	
43	Caryophyllaceae		1	
	Sub-total:	11		
Other pollen:				
57	unknowns		5	
104	unk., cf. Acer negundo		1	
	Sub-total:	6		
	Total pollen:	230		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		3	
65	Pediastrum X		4	
66	Pediastrum Y		5	
101	Pediastrum K		36	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		93	
100	Lycopodium (tracer)		79	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1593

Sample depth = 66.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.795 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		47	
3	Picea		1	
4	Pseudotsuga		2	
7	TCT		138	
9	Quercus		21	
12	Juglans		1	
18	Salix		2	
	Sub-total:	212		
Aquatic pollen:				
19	Cyperaceae		10	
26	Potamogeton		1	
	Sub-total:	11		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		4	
31	Liguliflorae		1	
32	Artemisia		2	
41	Rhamnaceae		1	
43	Caryophyllaceae		1	
49	Cruciferae		1	
	Sub-total:	11		
Other pollen:				
13	cf. Tilia		2	
53	cf. Tilia, 4 pores		1	
57	unknowns		6	
104	unk., cf. Acer negundo		5	
	Sub-total:	14		
	Total pollen:	248		
Other microfossils:				
59	Nuphar leaf hairs		2	
60	Botryococcus		5	
66	Pediastrum Y		2	
71	Dryopteris-type		1	
101	Pediastrum K		22	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		68	
100	Lycopodium (tracer)		71	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1609

Sample depth = 67.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.894 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		75
2	Abies		4
4	Pseudotsuga		1
7	TCT		126
9	Quercus		19
15	Alnus		3
18	Salix		3
	Sub-total:	231	
Aquatic pollen:			
19	Cyperaceae		5
	Sub-total:	5	
Herbs and shrubs:			
29	High-spine Compositae		4
31	Liguliflorae		1
32	Artemisia		5
34	Gramineae		5
43	Caryophyllaceae		1
49	Cruciferae		1
103	Portulacaceae		2
	Sub-total:	19	
Other pollen:			
104	unk., cf. Acer negundo		1
	Sub-total:	1	
	Total pollen:	256	
Other microfossils:			
60	Botryococcus		3
65	Pediastrum X		2
66	Pediastrum Y		2
101	Pediastrum K		29
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		112
100	Lycopodium (tracer)		78

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 649

Sample depth = 68.060 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.895 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		63
2	Abies		2
4	Pseudotsuga		1
5	Tsuga (bladders)		1
7	TCT		122
9	Quercus		4
15	Alnus		1
78	Arceuthobium		1
	Sub-total:	195	
Aquatic pollen:			
19	Cyperaceae		3
75	Isoetes		1
	Sub-total:	4	
Herbs and shrubs:			
29	High-spine Compositae		4
32	Artemisia		4
34	Gramineae		1
38	Rosaceae		1
42	Umbelliferae		1
	Sub-total:	11	
	Total pollen:	210	
Other microfossils:			
60	Botryococcus		2
62	Pediastrum A		1
65	Pediastrum Y		1
66	Pediastrum Y		4
101	Pediastrum K		33
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		57
100	Lycopodium (tracer)		43

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1296

Sample depth = 92.820 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.578 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		90
2	Abies		5
4	Pseudotsuga		2
6	Tsuga (fringed)		3
7	TCT		124
9	Quercus		18
15	Alnus		2
18	Salix		3
77	Corylus		1
	Sub-total:	248	
Aquatic pollen:			
19	Cyperaceae		6
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		2
30	Low-spine Compositae		1
40	Polygonum californicum		1
42	Umbelliferae		1
	Sub-total:	5	
Other pollen:			
57	unknowns		11
104	unk., cf. Acer negundo		4
	Sub-total:	15	
	Total pollen:	274	
Other microfossils:			
60	Botryococcus		11
65	Pediastrum X		2
101	Pediastrum K		34
102	large,strange TCT/Sedge, cf. #1432		6
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		110
100	Lycopodium (tracer)		86

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 657

Sample depth = 69.030 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.770 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		51		
2	Abies		1		
7	TCT		120		
9	Quercus		6		
15	Alnus		1		
18	Salix		1		
	Sub-total:	180			
Aquatic pollen:					
19	Cyperaceae		6		
	Sub-total:	6			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		3		
32	Artemisia		4		
34	Gramineae		2		
42	Umbelliferae		1		
88	Eriogonum		2		
103	Portulacaceae		2		
	Sub-total:	16			
Other pollen:					
57	unknowns		4		
	Sub-total:	4			
	Total pollen:	206			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		14		
62	Pediastrum A		1		
65	Pediastrum X		1		
66	Pediastrum Y		9		
101	Pediastrum K		100	68	39
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		81		
100	Lycopodium (tracer)		51		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1428

Sample depth = 70.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.605 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		68	
2	Abies		1	
4	Pseudotsuga		1	
6	Tsuga (fringed)		1	
7	TCT		138	
9	Quercus		20	
15	Alnus		1	
18	Salix		5	
	Sub-total:	235		
Aquatic pollen:				
19	Cyperaceae		2	
23	Typha/Sparganium (monads)		1	
	Sub-total:	3		
Herbs and shrubs:				
29	High-spine Compositae		1	
32	Artemisia		2	
	Sub-total:	3		
Other pollen:				
57	unknowns		4	
104	unk., cf. Acer negundo		1	
	Sub-total:	5		
	Total pollen:	246		
Other microfossils:				
60	Botryococcus		2	
65	Pediastrum X		1	
66	Pediastrum Y		3	
101	Pediastrum K		18	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		92	
100	Lycopodium (tracer)		46	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1422

Sample depth = 70.980 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.201 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		46
2	Abies		2
7	TCT		120
9	Quercus		20
15	Alnus		2
18	Salix		2
	Sub-total:	192	
Aquatic pollen:			
19	Cyperaceae		4
23	Typha/Sparganium (monads)		2
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		6
31	Liguliflorae		1
32	Artemisia		1
34	Gramineae		2
41	Rhamnaceae		1
	Sub-total:	11	
Other pollen:			
57	unknowns		5
	Sub-total:	5	
	Total pollen:	214	
Other microfossils:			
59	Nuphar leaf hairs		2
60	Botryococcus		8
65	Pediastrum X		1
66	Pediastrum Y		4
70	Trilete spores		1
101	Pediastrum K		13
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		82
100	Lycopodium (tracer)		67

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1416

Sample depth = 72.040 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.127 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		108
2	Abies		5
4	Pseudotsuga		1
7	TCT		146
9	Quercus		15
15	Alnus		1
16	Fraxinus		1
18	Salix		2
	Sub-total:	279	
Aquatic pollen:			
19	Cyperaceae		4
23	Typha/Sparganium (monads)		1
26	Potamogeton		1
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		2
32	Artemisia		2
34	Gramineae		2
43	Caryophyllaceae		1
103	Portulacaceae		4
	Sub-total:	11	
Other pollen:			
57	unknowns		8
	Sub-total:	8	
	Total pollen:	304	
Other microfossils:			
101	Pediastrum K		3
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		136
100	Lycopodium (tracer)		111

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1409

Sample depth = 73.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.075 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		67	
2	Abies		1	
3	Picea		1	
4	Pseudotsuga		1	
7	TCT		105	
9	Quercus		5	
18	Salix		3	
	Sub-total:	183		
Aquatic pollen:				
19	Cyperaceae		7	
26	Potamogeton		1	
	Sub-total:	8		
Herbs and shrubs:				
29	High-spine Compositae		4	
32	Artemisia		6	
34	Gramineae		1	
39	Polygonaceae		1	
41	Rhamnaceae		1	
42	Umbelliferae		1	
43	Caryophyllaceae		1	
103	Portulacaceae		1	
	Sub-total:	16		
Other pollen:				
57	unknowns		5	
105	cf. Dodecatheon		1	
	Sub-total:	6		
	Total pollen:	213		
Other microfossils:				
60	Botryococcus		4	
101	Pediastrum K		9	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		70	
100	Lycopodium (tracer)		71	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1322

Sample depth = 74.140 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.506 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		64	
2	Abies		4	
5	Tsuga (bladders)		1	
7	TCT		111	
9	Quercus		3	
18	Salix		2	
78	Arceuthobium		1	
	Sub-total:	186		
Aquatic pollen:				
23	Typha/Sparganium (monads)		1	
	Sub-total:	1		
Herbs and shrubs:				
29	High-spine Compositae		5	
32	Artemisia		4	
34	Gramineae		6	
38	Rosaceae		1	
103	Portulacaceae		5	
	Sub-total:	21		
Other pollen:				
57	unknowns		7	
	Sub-total:	7		
	Total pollen:	215		
Other microfossils:				
60	Botryococcus		13	
65	Pediastrum X		2	
101	Pediastrum K		34	
102	large,strange TCT/Sedge, cf. #1432		1	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		111	
100	Lycopodium (tracer)		65	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1388

Sample depth = 75.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.837 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		74	
2	Abies		1	
6	Tsuga (fringed)		1	
7	TCT		112	
9	Quercus		4	
18	Salix		1	
	Sub-total:	193		
Aquatic pollen:				
19	Cyperaceae		8	
22	Typha (tetrads)		1	
	Sub-total:	9		
Herbs and shrubs:				
29	High-spine Compositae		2	
30	Low-spine Compositae		1	
32	Artemisia		2	
34	Gramineae		3	
	Sub-total:	8		
Other pollen:				
57	unknowns		8	
	Sub-total:	8		
	Total pollen:	218		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		4	
65	Pediastrum X		3	
101	Pediastrum K		15	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		157	
100	Lycopodium (tracer)		105	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1380

Sample depth = 75.970 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.383 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		71	
2	Abies		8	
4	Pseudotsuga		2	
6	Tsuga (fringed)		1	
7	TCT		142	
9	Quercus		1	
18	Salix		1	
	Sub-total:	226		
Aquatic pollen:				
19	Cyperaceae		2	
26	Potamogeton		1	
	Sub-total:	3		
Herbs and shrubs:				
29	High-spine Compositae		4	
30	Low-spine Compositae		1	
32	Artemisia		3	
34	Gramineae		2	
39	Polygonaceae		1	
103	Portulacaceae		2	
	Sub-total:	13		
Other pollen:				
57	unknowns		9	
	Sub-total:	9		
	Total pollen:	251		
Other microfossils:				
60	Botryococcus		2	
65	Pediastrum X		4	
101	Pediastrum K		14	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		118	
100	Lycopodium (tracer)		87	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1374

Sample depth = 77.030 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.036 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			72
6	Tsuga (fringed)			1
7	TCT			132
9	Quercus			3
15	Alnus			1
	Sub-total:	209		
Aquatic pollen:				
19	Cyperaceae			2
	Sub-total:	2		
Herbs and shrubs:				
28	Cheno-ams			1
29	High-spine Compositae			2
32	Artemisia			6
34	Gramineae			4
103	Portulacaceae			2
	Sub-total:	15		
Other pollen:				
57	unknowns			3
	Sub-total:	3		
	Total pollen:	229		
Other microfossils:				
60	Botryococcus			4
66	Pediastrum Y			2
101	Pediastrum K			34
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			103
100	Lycopodium (tracer)			68

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1367

Sample depth = 77.990 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.697 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		75
2	Abies		4
3	Picea		1
4	Pseudotsuga		1
6	Tsuga (fringed)		2
7	TCT		105
9	Quercus		2
12	Juglans		1
16	Fraxinus		1
	Sub-total:	192	
Aquatic pollen:			
19	Cyperaceae		5
	Sub-total:	5	
Herbs and shrubs:			
29	High-spine Compositae		2
32	Artemisia		6
34	Gramineae		1
39	Polygonaceae		1
103	Portulacaceae		1
	Sub-total:	11	
	Total pollen:	208	
Other microfossils:			
60	Botryococcus		12
66	Pediastrum Y		2
71	Dryopteris-type		1
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		118
100	Lycopodium (tracer)		79

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1361

Sample depth = 78.960 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.473 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		54
2	Abies		2
5	Tsuga (bladders)		1
6	Tsuga (fringed)		1
7	TCT		135
9	Quercus		1
18	Salix		2
78	Arceuthobium		1
	Sub-total:	197	
Herbs and shrubs:			
28	Cheno-ams		1
32	Artemisia		5
34	Gramineae		3
38	Rosaceae		1
39	Polygonaceae		1
41	Rhamnaceae		1
	Sub-total:	12	
Other pollen:			
57	unknowns		5
	Sub-total:	5	
	Total pollen:	214	
Other microfossils:			
60	Botryococcus		18
65	Pediastrum X		4
101	Pediastrum K		22
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		116
100	Lycopodium (tracer)		69

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1355

Sample depth = 80.020 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.243 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		71	
2	Abies		4	
4	Pseudotsuga		1	
7	TCT		172	
16	Fraxinus		2	
18	Salix		1	
	Sub-total:	251		
Aquatic pollen:				
19	Cyperaceae		3	
26	Potamogeton		1	
75	Isoetes		1	
	Sub-total:	5		
Herbs and shrubs:				
29	High-spine Compositae		6	
31	Liguliflorae		1	
32	Artemisia		2	
34	Gramineae		1	
41	Rhamnaceae		1	
43	Caryophyllaceae		1	
	Sub-total:	12		
Other pollen:				
57	unknowns		10	
	Sub-total:	10		
	Total pollen:	278		
Other microfossils:				
60	Botryococcus		13	
65	Pediastrum X		5	
101	Pediastrum K		19	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		111	
100	Lycopodium (tracer)		93	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1348

Sample depth = 80.990 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.007 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		49		
2	Abies		1		
3	Picea		1		
4	Pseudotsuga		1		
7	TCT		132		
9	Quercus		5		
18	Salix		2		
	Sub-total:	191			
Aquatic pollen:					
19	Cyperaceae		10		
	Sub-total:	10			
Herbs and shrubs:					
29	High-spine Compositae		5		
30	Low-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		6		
39	Polygonaceae		1		
41	Rhamnaceae		1		
43	Caryophyllaceae		1		
88	Eriogonum		1		
103	Portulacaceae		1		
	Sub-total:	18			
Other pollen:					
57	unknowns		7		
	Sub-total:	7			
	Total pollen:	226			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		29		
65	Pediastrum X		1		
66	Pediastrum Y		2		
101	Pediastrum K		100	59	50
102	large,strange TCT/Sedge, cf. #1432		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		78		
100	Lycopodium (tracer)		65		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1340

Sample depth = 81.850 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.223 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		55		
2	Abies		1		
7	TCT		102		
9	Quercus		11		
15	Alnus		1		
16	Fraxinus		3		
	Sub-total:	173			
Aquatic pollen:					
19	Cyperaceae		4		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		9		
31	Liguliflorae		1		
32	Artemisia		3		
34	Gramineae		5		
41	Rhamnaceae		1		
103	Portulacaceae		1		
	Sub-total:	21			
Other pollen:					
57	unknowns		8		
	Sub-total:	8			
	Total pollen:	206			
Other microfossils:					
60	Botryococcus		15		
101	Pediastrum K		100	10	7
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		76		
100	Lycopodium (tracer)		38		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1342

Sample depth = 82.050 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.900 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		56		
2	Abies		1		
6	Tsuga (fringed)		2		
7	TCT		125		
9	Quercus		1		
	Sub-total:	185			
Aquatic pollen:					
19	Cyperaceae		3		
75	Isoetes		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		2		
32	Artemisia		3		
34	Gramineae		5		
39	Polygonaceae		1		
42	Umbelliferae		1		
49	Cruciferae		1		
88	Eriogonum		1		
	Sub-total:	15			
Other pollen:					
57	unknowns		6		
104	unk., cf. Acer negundo		1		
	Sub-total:	7			
	Total pollen:	211			
Other microfossils:					
60	Botryococcus		25		
64	Pediastrum O		1		
66	Pediastrum Y		2		
101	Pediastrum K		100	39	35
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		93		
100	Lycopodium (tracer)		55		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1459

Sample depth = 83.280 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.006 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			30
2	Abies			4
7	TCT			152
9	Quercus			2
16	Fraxinus			2
	Sub-total:	190		
Aquatic pollen:				
19	Cyperaceae			4
75	Isoetes			1
86	Menyanthes			1
	Sub-total:	6		
Herbs and shrubs:				
28	Cheno-ams			2
29	High-spine Compositae			3
31	Liguliflorae			1
32	Artemisia			3
34	Gramineae			3
39	Polygonaceae			1
	Sub-total:	13		
Other pollen:				
57	unknowns			11
	Sub-total:	11		
	Total pollen:	220		
Other microfossils:				
59	Nuphar leaf hairs			1
60	Botryococcus			7
101	Pediastrum K			23
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			108
100	Lycopodium (tracer)			82

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1462

Sample depth = 83.580 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.219 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		41		
2	Abies		3		
4	Pseudotsuga		1		
6	Tsuga (fringed)		1		
7	TCT		137		
9	Quercus		11		
10	Lithocarpus		1		
16	Fraxinus		1		
18	Salix		1		
	Sub-total:	197			
Aquatic pollen:					
19	Cyperaceae		5		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		6		
32	Artemisia		5		
34	Gramineae		1		
40	Polygonum californicum		2		
42	Umbelliferae		1		
43	Caryophyllaceae		1		
88	Eriogonum		1		
	Sub-total:	18			
Other pollen:					
57	unknowns		26		
	Sub-total:	26			
	Total pollen:	246			
Other microfossils:					
60	Botryococcus		23		
62	Pediastrum A		2		
65	Pediastrum X		4		
66	Pediastrum Y		9		
70	Trilete spores		1		
101	Pediastrum K		100	15	8
102	large,strange TCT/Sedge, cf. #1432		3		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		79		
100	Lycopodium (tracer)		52		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1465

Sample depth = 83.880 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.288 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		42		
2	Abies		4		
4	Pseudotsuga		3		
6	Tsuga (fringed)		1		
7	TCT		101		
9	Quercus		22		
12	Juglans		1		
18	Salix		2		
78	Arceuthobium		1		
	Sub-total:	177			
Aquatic pollen:					
19	Cyperaceae		2		
22	Typha (tetrads)		1		
23	Typha/Sparganium (monads)		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		3		
29	High-spine Compositae		5		
32	Artemisia		6		
33	Ericaceae		1		
34	Gramineae		1		
38	Rosaceae		1		
39	Polygonaceae		2		
46	Thalictrum		1		
88	Eriogonum		1		
	Sub-total:	21			
Other pollen:					
57	unknowns		13		
104	unk., cf. Acer negundo		2		
	Sub-total:	15			
	Total pollen:	217			
Other microfossils:					
60	Botryococcus		9	20	20
65	Pediastrum X		1	20	20
66	Pediastrum Y		40	20	20
101	Pediastrum K		53	20	20
102	large,strange TCT/Sedge, cf. #1432		44	20	20
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		61		
100	Lycopodium (tracer)		41		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1467

Sample depth = 84.250 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.248 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		59		
2	Abies		3		
4	Pseudotsuga		3		
7	TCT		93		
9	Quercus		36		
	Sub-total:	194			
Aquatic pollen:					
19	Cyperaceae		7		
23	Typha/Sparganium (monads)		1		
	Sub-total:	8			
Herbs and shrubs:					
29	High-spine Compositae		3		
30	Low-spine Compositae		1		
32	Artemisia		3		
33	Ericaceae		1		
34	Gramineae		5		
39	Polygonaceae		1		
43	Caryophyllaceae		2		
49	Cruciferae		2		
	Sub-total:	18			
Other pollen:					
13	cf. Tilia		2		
57	unknowns		5		
	Sub-total:	7			
	Total pollen:	227			
Other microfossils:					
60	Botryococcus		34		
65	Pediastrum X		2		
66	Pediastrum Y		4		
101	Pediastrum K		100	14	17
102	large,strange TCT/Sedge, cf. #1432		100	49	36
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		58		
100	Lycopodium (tracer)		39		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1470

Sample depth = 84.550 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.983 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		87		
2	Abies		1		
5	Tsuga (bladders)		1		
7	TCT		66		
9	Quercus		35		
14	Castanopsis		1		
18	Salix		1		
	Sub-total:	192			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
75	Isoetes		1		
	Sub-total:	4			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		3		
30	Low-spine Compositae		1		
31	Liguliflorae		2		
32	Artemisia		1		
33	Ericaceae		1		
34	Gramineae		3		
39	Polygonaceae		1		
43	Caryophyllaceae		1		
	Sub-total:	14			
Other pollen:					
57	unknowns		13		
93	unk. cf. Artemisia		3		
	Sub-total:	16			
	Total pollen:	226			
Other microfossils:					
60	Botryococcus		39		
61	Coelastrum		1		
63	Pediastrum N		2		
65	Pediastrum X		1		
66	Pediastrum Y		18		
71	Dryopteris-type		1		
101	Pediastrum K		100	30	19
102	large,strange TCT/Sedge, cf. #1432		100	18	9
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		57		
100	Lycopodium (tracer)		51		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1473

Sample depth = 84.850 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.267 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		65		
2	Abies		3		
3	Picea		1		
4	Pseudotsuga		1		
5	Tsuga (bladders)		2		
7	TCT		105		
9	Quercus		8		
18	Salix		1		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		2		
	Sub-total:	2			
Herbs and shrubs:					
29	High-spine Compositae		7		
31	Liguliflorae		1		
32	Artemisia		2		
34	Gramineae		2		
40	Polygonum californicum		1		
43	Caryophyllaceae		2		
	Sub-total:	15			
Other pollen:					
57	unknowns		15		
93	unk. cf. Artemisia		2		
	Sub-total:	17			
	Total pollen:	220			
Other microfossils:					
60	Botryococcus		11		
66	Pediastrum Y		1		
101	Pediastrum K		100	13	5
102	large,strange TCT/Sedge, cf. #1432		23		
107	Cryptogamma type		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		101		
100	Lycopodium (tracer)		62		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1315

Sample depth = 85.210 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.598 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		60		
2	Abies		7		
7	TCT		109		
9	Quercus		5		
	Sub-total:	181			
Aquatic pollen:					
19	Cyperaceae		1		
	Sub-total:	1			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		4		
32	Artemisia		3		
34	Gramineae		7		
39	Polygonaceae		2		
42	Umbelliferae		1		
43	Caryophyllaceae		2		
103	Portulacaceae		1		
	Sub-total:	21			
Other pollen:					
57	unknowns		5		
	Sub-total:	5			
	Total pollen:	208			
Other microfossils:					
60	Botryococcus		21		
65	Pediastrum X		3		
101	Pediastrum K		100	46	27
102	large,strange TCT/Sedge, cf. #1432		14		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		116		
100	Lycopodium (tracer)		69		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1308

Sample depth = 86.070 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.021 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		51		
2	Abies		3		
6	Tsuga (fringed)		1		
7	TCT		99		
9	Quercus		14		
16	Fraxinus		2		
	Sub-total:	170			
Aquatic pollen:					
19	Cyperaceae		3		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		3		
34	Gramineae		2		
40	Polygonum californicum		1		
42	Umbelliferae		1		
103	Portulacaceae		6		
	Sub-total:	14			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		14		
	Sub-total:	15			
	Total pollen:	202			
Other microfossils:					
60	Botryococcus		17		
65	Pediastrum X		2		
101	Pediastrum K		100	19	19
102	large,strange TCT/Sedge, cf. #1432		33		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		104		
100	Lycopodium (tracer)		62		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1445

Sample depth = 87.040 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.209 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		55		
2	Abies		2		
7	TCT		122		
9	Quercus		53		
16	Fraxinus		1		
77	Corylus		2		
78	Arceuthobium		1		
	Sub-total:	236			
Aquatic pollen:					
19	Cyperaceae		3		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		1		
30	Low-spine Compositae		1		
32	Artemisia		1		
43	Caryophyllaceae		1		
49	Cruciferae		2		
103	Portulacaceae		2		
	Sub-total:	8			
Other pollen:					
57	unknowns		5		
104	unk., cf. Acer negundo		1		
	Sub-total:	6			
	Total pollen:	253			
Other microfossils:					
60	Botryococcus		3		
65	Pediastrum X		2		
101	Pediastrum K		82		
102	large,strange TCT/Sedge, cf. #1432		100	11	8
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		81		
100	Lycopodium (tracer)		53		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1453

Sample depth = 88.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.266 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		55		
2	Abies		3		
7	TCT		91		
9	Quercus		49		
	Sub-total:	198			
Aquatic pollen:					
23	Typha/Sparganium (monads)		1		
75	Isoetes		1		
	Sub-total:	2			
Herbs and shrubs:					
29	High-spine Compositae		3		
32	Artemisia		1		
103	Portulacaceae		1		
	Sub-total:	5			
Other pollen:					
57	unknowns		7		
	Sub-total:	7			
	Total pollen:	212			
Other microfossils:					
60	Botryococcus		7		
65	Pediastrum X		2		
102	large,strange TCT/Sedge, cf. #1432		100	24	12
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		60		
100	Lycopodium (tracer)		44		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1432

Sample depth = 89.070 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.399 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		46		
2	Abies		3		
3	Picea		1		
6	Tsuga (fringed)		1		
7	TCT		88		
9	Quercus		59		
14	Castanopsis		1		
	Sub-total:	199			
Aquatic pollen:					
19	Cyperaceae		3		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		1		
38	Rosaceae		2		
49	Cruciferae		1		
	Sub-total:	4			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	215			
Other microfossils:					
60	Botryococcus		5		
65	Pediastrum X		1		
68	Nuphar sclereids		2		
101	Pediastrum K		4		
102	large,strange TCT/Sedge, cf. #1432		100	13	9
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		83		
100	Lycopodium (tracer)		61		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1440

Sample depth = 90.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.355 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		39		
2	Abies		3		
4	Pseudotsuga		1		
6	Tsuga (fringed)		1		
7	TCT		79		
9	Quercus		60		
16	Fraxinus		1		
18	Salix		1		
78	Arceuthobium		1		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		3		
26	Potamogeton		2		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		3		
32	Artemisia		2		
34	Gramineae		1		
41	Rhamnaceae		2		
42	Umbelliferae		1		
49	Cruciferae		1		
103	Portulacaceae		2		
	Sub-total:	13			
Other pollen:					
57	unknowns		9		
104	unk., cf. Acer negundo		2		
	Sub-total:	11			
	Total pollen:	215			
Other microfossils:					
60	Botryococcus		11		
65	Pediastrum X		6		
102	large,strange TCT/Sedge, cf. #1432		100	17	8
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		101		
100	Lycopodium (tracer)		77		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1304

Sample depth = 91.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.469 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		32		
2	Abies		2		
3	Picea		1		
4	Pseudotsuga		1		
5	Tsuga (bladders)		1		
7	TCT		101		
9	Quercus		60		
12	Juglans		1		
15	Alnus		3		
18	Salix		5		
	Sub-total:	207			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		1		
50	Liliaceae		1		
	Sub-total:	2			
Other pollen:					
57	unknowns		5		
104	unk., cf. Acer negundo		6		
	Sub-total:	11			
	Total pollen:	223			
Other microfossils:					
60	Botryococcus		4		
65	Pediastrum X		3		
101	Pediastrum K		1		
102	large,strange TCT/Sedge, cf. #1432		100	14	13
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		118		
100	Lycopodium (tracer)		75		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1483

Sample depth = 91.960 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.510 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		39		
2	Abies		1		
7	TCT		80		
9	Quercus		57		
15	Alnus		4		
18	Salix		3		
77	Corylus		2		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		4		
26	Potamogeton		1		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		3		
29	High-spine Compositae		3		
32	Artemisia		1		
34	Gramineae		3		
39	Polygonaceae		1		
42	Umbelliferae		1		
103	Portulacaceae		2		
	Sub-total:	14			
Other pollen:					
57	unknowns		5		
104	unk., cf. Acer negundo		3		
	Sub-total:	8			
	Total pollen:	213			
Other microfossils:					
60	Botryococcus		2		
65	Pediastrum X		2		
67	Hystrichosphaerids		24		
101	Pediastrum K		27		
102	large,strange TCT/Sedge, cf. #1432		100	44	35
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		80		
100	Lycopodium (tracer)		60		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1486

Sample depth = 92.260 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.291 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		32		
2	Abies		1		
4	Pseudotsuga		2		
7	TCT		77		
9	Quercus		67		
15	Alnus		2		
16	Fraxinus		2		
18	Salix		2		
77	Corylus		1		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		4		
	Sub-total:	4			
Herbs and shrubs:					
29	High-spine Compositae		4		
32	Artemisia		1		
40	Polygonum californicum		1		
41	Rhamnaceae		2		
49	Cruciferae		2		
	Sub-total:	10			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		10		
	Sub-total:	11			
	Total pollen:	211			
Other microfossils:					
60	Botryococcus		6		
64	Pediastrum O		1		
67	Hystrichosphaerids		10		
101	Pediastrum K		13		
102	large,strange TCT/Sedge, cf. #1432		100	39	31
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		63		
100	Lycopodium (tracer)		46		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1294

Sample depth = 92.620 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.195 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		109	
2	Abies		1	
4	Pseudotsuga		1	
5	Tsuga (bladders)		1	
6	Tsuga (fringed)		1	
7	TCT		120	
9	Quercus		71	
12	Juglans		1	
15	Alnus		1	
16	Fraxinus		9	
18	Salix		5	
77	Corylus		2	
78	Arceuthobium		1	
	Sub-total:	323		
Aquatic pollen:				
19	Cyperaceae		2	
22	Typha (tetrads)		1	
23	Typha/Sparganium (monads)		2	
	Sub-total:	5		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		4	
32	Artemisia		2	
38	Rosaceae		1	
40	Polygonum californicum		1	
49	Cruciferae		3	
	Sub-total:	12		
Other pollen:				
57	unknowns		12	
105	cf. Dodecatheon		1	
	Sub-total:	13		
	Total pollen:	353		
Other microfossils:				
60	Botryococcus		4	
65	Pediastrum X		4	
66	Pediastrum Y		1	
70	Trilete spores		1	
71	Dryopteris-type		1	
101	Pediastrum K		40	
102	large,strange TCT/Sedge, cf. #1432		42	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		129	
100	Lycopodium (tracer)		95	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1298

Sample depth = 93.020 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.455 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		91	
2	Abies		4	
4	Pseudotsuga		1	
6	Tsuga (fringed)		1	
7	TCT		110	
9	Quercus		6	
12	Juglans		1	
	Sub-total:	214		
Aquatic pollen:				
19	Cyperaceae		2	
26	Potamogeton		1	
	Sub-total:	3		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		3	
32	Artemisia		1	
103	Portulacaceae		1	
	Sub-total:	6		
Other pollen:				
57	unknowns		2	
108	cf. Fremontia		1	
	Sub-total:	3		
	Total pollen:	226		
Other microfossils:				
60	Botryococcus		12	
101	Pediastrum K		3	
102	large,strange TCT/Sedge, cf. #1432		3	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		54	
100	Lycopodium (tracer)		44	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1479

Sample depth = 93.950 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.492 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		112	
2	Abies		4	
3	Picea		2	
7	TCT		146	
9	Quercus		6	
	Sub-total:	270		
Aquatic pollen:				
19	Cyperaceae		5	
23	Typha/Sparganium (monads)		1	
26	Potamogeton		1	
75	Isoetes		1	
115	Typha dyads		1	
	Sub-total:	9		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		3	
31	Liguliflorae		1	
32	Artemisia		3	
34	Gramineae		2	
40	Polygonum californicum		2	
	Sub-total:	12		
Other pollen:				
57	unknowns		4	
	Sub-total:	4		
	Total pollen:	295		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		11	
65	Pediastrum X		1	
101	Pediastrum K		16	
102	large,strange TCT/Sedge, cf. #1432		12	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		111	
100	Lycopodium (tracer)		64	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1501

Sample depth = 94.900 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.258 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		108	
2	Abies		6	
5	Tsuga (bladders)		1	
6	Tsuga (fringed)		2	
7	TCT		124	
9	Quercus		10	
18	Salix		1	
	Sub-total:	252		
Aquatic pollen:				
19	Cyperaceae		3	
26	Potamogeton		1	
	Sub-total:	4		
Herbs and shrubs:				
29	High-spine Compositae		1	
32	Artemisia		2	
34	Gramineae		1	
39	Polygonaceae		1	
103	Portulacaceae		5	
	Sub-total:	10		
Other pollen:				
57	unknowns		3	
	Sub-total:	3		
	Total pollen:	269		
Other microfossils:				
60	Botryococcus		16	
71	Dryopteris-type		1	
101	Pediastrum K		16	
102	large,strange TCT/Sedge, cf. #1432		3	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		99	
100	Lycopodium (tracer)		60	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1494

Sample depth = 95.820 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.250 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		47
2	Abies		2
3	Picea		1
4	Pseudotsuga		2
7	TCT		140
9	Quercus		9
18	Salix		1
	Sub-total:	202	
Aquatic pollen:			
19	Cyperaceae		7
75	Isoetes		1
	Sub-total:	8	
Herbs and shrubs:			
28	Cheno-ams		2
29	High-spine Compositae		2
32	Artemisia		6
34	Gramineae		2
41	Rhamnaceae		1
49	Cruciferae		1
	Sub-total:	14	
Other pollen:			
57	unknowns		9
	Sub-total:	9	
	Total pollen:	233	
Other microfossils:			
60	Botryococcus		2
101	Pediastrum K		7
102	large,strange TCT/Sedge, cf. #1432		7
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		59
100	Lycopodium (tracer)		47

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1504

Sample depth = 96.780 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.155 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			37
2	Abies			1
3	Picea			1
4	Pseudotsuga			1
7	TCT			156
9	Quercus			30
16	Fraxinus			3
18	Salix			1
	Sub-total:	230		
Aquatic pollen:				
19	Cyperaceae			4
	Sub-total:	4		
Herbs and shrubs:				
29	High-spine Compositae			3
30	Low-spine Compositae			1
32	Artemisia			1
34	Gramineae			1
49	Cruciferae			1
	Sub-total:	7		
Other pollen:				
57	unknowns			5
	Sub-total:	5		
	Total pollen:	246		
Other microfossils:				
60	Botryococcus			13
65	Pediastrum X			3
101	Pediastrum K			7
102	large,strange TCT/Sedge, cf. #1432			34
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			42
100	Lycopodium (tracer)			38

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1505

Sample depth = 98.510 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.704 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			68
2	Abies			2
4	Pseudotsuga			3
7	TCT			83
9	Quercus			45
12	Juglans			1
15	Alnus			2
16	Fraxinus			5
	Sub-total:	209		
Aquatic pollen:				
19	Cyperaceae			6
23	Typha/Sparganium (monads)			4
26	Potamogeton			2
	Sub-total:	12		
Herbs and shrubs:				
29	High-spine Compositae			6
32	Artemisia			1
34	Gramineae			1
103	Portulacaceae			2
	Sub-total:	10		
Other pollen:				
13	cf. Tilia			1
57	unknowns			5
	Sub-total:	6		
	Total pollen:	237		
Other microfossils:				
60	Botryococcus			34
65	Pediastrum X			1
101	Pediastrum K			27
102	large,strange TCT/Sedge, cf. #1432			38
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			63
100	Lycopodium (tracer)			50

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1507

Sample depth = 99.280 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.629 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		37	
2	Abies		1	
4	Pseudotsuga		3	
6	Tsuga (fringed)		1	
7	TCT		84	
9	Quercus		59	
16	Fraxinus		6	
18	Salix		2	
	Sub-total:	193		
Aquatic pollen:				
19	Cyperaceae		1	
26	Potamogeton		1	
	Sub-total:	2		
Herbs and shrubs:				
29	High-spine Compositae		4	
32	Artemisia		1	
34	Gramineae		3	
43	Caryophyllaceae		1	
103	Portulacaceae		1	
	Sub-total:	10		
Other pollen:				
57	unknowns		2	
104	unk., cf. Acer negundo		1	
	Sub-total:	3		
	Total pollen:	208		
Other microfossils:				
60	Botryococcus		13	
65	Pediastrum X		2	
67	Hystrichosphaerids		17	
101	Pediastrum K		62	
102	large,strange TCT/Sedge, cf. #1432		21	
116	cf. #102, but striate		8	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		48	
100	Lycopodium (tracer)		49	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1487

Sample depth = 100.150 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.847 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		48
2	Abies		1
4	Pseudotsuga		1
7	TCT		100
9	Quercus		71
16	Fraxinus		1
18	Salix		1
	Sub-total:	223	
Aquatic pollen:			
19	Cyperaceae		3
23	Typha/Sparganium (monads)		2
26	Potamogeton		2
	Sub-total:	7	
Herbs and shrubs:			
28	Cheno-ams		2
34	Gramineae		1
	Sub-total:	3	
Other pollen:			
55	echinate unk., cf. #26		1
57	unknowns		4
104	unk., cf. Acer negundo		2
	Sub-total:	7	
	Total pollen:	240	
Other microfossils:			
60	Botryococcus		16
101	Pediastrum K		43
102	large,strange TCT/Sedge, cf. #1432		8
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		62
100	Lycopodium (tracer)		41

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1131

Sample depth = 101.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.476 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		74		
2	Abies		2		
6	Tsuga (fringed)		1		
7	TCT		81		
9	Quercus		41		
12	Juglans		1		
15	Alnus		3		
16	Fraxinus		2		
	Sub-total:	205			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		1		
32	Artemisia		2		
43	Caryophyllaceae		1		
103	Portulacaceae		1		
112	Polygonum, persicaria-type		1		
	Sub-total:	7			
Other pollen:					
57	unknowns		2		
104	unk., cf. Acer negundo		2		
	Sub-total:	4			
	Total pollen:	216			
Other microfossils:					
60	Botryococcus		12		
65	Pediastrum X		1		
66	Pediastrum Y		1		
67	Hystrichosphaerids		1		
101	Pediastrum K		100	36	34
102	large,strange TCT/Sedge, cf. #1432		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		87		
100	Lycopodium (tracer)		63		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1134

Sample depth = 101.300 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.545 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		104		
2	Abies		2		
6	Tsuga (fringed)		1		
7	TCT		85		
9	Quercus		16		
15	Alnus		2		
	Sub-total:	210			
	Sub-total:	0			
Herbs and shrubs:					
29	High-spine Compositae		2		
34	Gramineae		1		
38	Rosaceae		1		
41	Rhamnaceae		1		
43	Caryophyllaceae		1		
88	Eriogonum		1		
	Sub-total:	7			
Other pollen:					
57	unknowns		3		
	Sub-total:	3			
	Total pollen:	220			
Other microfossils:					
60	Botryococcus		2		
101	Pediastrum K		100	73	41
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		112		
100	Lycopodium (tracer)		61		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1135

Sample depth = 101.620 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.466 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		108		
2	Abies		3		
6	Tsuga (fringed)		1		
7	TCT		84		
9	Quercus		11		
15	Alnus		2		
	Sub-total:	209			
Aquatic pollen:					
19	Cyperaceae		2		
	Sub-total:	2			
Herbs and shrubs:					
29	High-spine Compositae		1		
32	Artemisia		2		
49	Cruciferae		1		
114	Rubiaceae		1		
114	Rubiaceae		1		
	Sub-total:	6			
Other pollen:					
57	unknowns		5		
	Sub-total:	5			
	Total pollen:	222			
Other microfossils:					
60	Botryococcus		7		
67	Hystrichosphaerids		3		
101	Pediastrum K		100	91	60
102	large,strange TCT/Sedge, cf. #1432		6		
110	Azolla massulae		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		103		
100	Lycopodium (tracer)		68		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1138

Sample depth = 101.920 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.842 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		85	
3	Picea		2	
5	Tsuga (bladders)		2	
6	Tsuga (fringed)		2	
7	TCT		88	
9	Quercus		18	
12	Juglans		1	
	Sub-total:	198		
Aquatic pollen:				
19	Cyperaceae		3	
	Sub-total:	3		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		4	
32	Artemisia		2	
49	Cruciferae		1	
	Sub-total:	8		
Other pollen:				
57	unknowns		4	
	Sub-total:	4		
	Total pollen:	213		
Other microfossils:				
60	Botryococcus		9	
61	Coelastrum		2	
62	Pediastrum A		1	
65	Pediastrum X		1	
68	Nuphar sclereids		1	
83	Pediastrum AA		1	
101	Pediastrum K		57	
102	large,strange TCT/Sedge, cf. #1432		8	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		92	
100	Lycopodium (tracer)		74	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1139

Sample depth = 102.020 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.682 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		89
5	Tsuga (bladders)		1
7	TCT		87
9	Quercus		14
15	Alnus		2
78	Arceuthobium		1
	Sub-total:	194	
Aquatic pollen:			
19	Cyperaceae		1
26	Potamogeton		1
	Sub-total:	2	
Herbs and shrubs:			
29	High-spine Compositae		4
32	Artemisia		1
37	Aconitum		1
	Sub-total:	6	
Other pollen:			
13	cf. Tilia		1
52	4-colpate reticulate unk.		1
57	unknowns		4
	Sub-total:	6	
	Total pollen:	208	
Other microfossils:			
60	Botryococcus		2
61	Coelastrum		1
65	Pediastrum X		2
67	Hystrichosphaerids		1
101	Pediastrum K		56
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		99
100	Lycopodium (tracer)		75

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1140

Sample depth = 102.120 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.815 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			64
2	Abies			2
7	TCT			102
9	Quercus			13
15	Alnus			1
18	Salix			1
77	Corylus			3
	Sub-total:	186		
Aquatic pollen:				
19	Cyperaceae			3
26	Potamogeton			1
	Sub-total:	4		
Herbs and shrubs:				
28	Cheno-ams			1
29	High-spine Compositae			4
32	Artemisia			2
34	Gramineae			1
42	Umbelliferae			1
49	Cruciferae			2
88	Eriogonum			1
	Sub-total:	12		
Other pollen:				
57	unknowns			13
	Sub-total:	13		
	Total pollen:	215		
Other microfossils:				
60	Botryococcus			4
65	Pediastrum X			3
67	Hystrichosphaerids			1
101	Pediastrum K			66
102	large,strange TCT/Sedge, cf. #1432			2
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			103
100	Lycopodium (tracer)			81

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1141

Sample depth = 102.220 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.436 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		79
2	Abies		2
4	Pseudotsuga		2
7	TCT		87
9	Quercus		63
15	Alnus		7
16	Fraxinus		1
18	Salix		4
77	Corylus		2
	Sub-total:	247	
Aquatic pollen:			
19	Cyperaceae		1
	Sub-total:	1	
Herbs and shrubs:			
28	Cheno-ams		2
29	High-spine Compositae		2
32	Artemisia		1
49	Cruciferae		2
50	Liliaceae		1
	Sub-total:	8	
Other pollen:			
13	cf. Tilia		1
57	unknowns		5
	Sub-total:	6	
	Total pollen:	262	
Other microfossils:			
60	Botryococcus		4
62	Pediastrum A		1
63	Pediastrum N		1
101	Pediastrum K		6
102	large,strange TCT/Sedge, cf. #1432		37
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		60
100	Lycopodium (tracer)		41

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1157

Sample depth = 102.580 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.400 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		38		
4	Pseudotsuga		1		
5	Tsuga (bladders)		2		
7	TCT		111		
9	Quercus		53		
14	Castanopsis		1		
15	Alnus		2		
18	Salix		3		
	Sub-total:	211			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		1		
51	cf. Proserpinaca		1		
	Sub-total:	4			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	227			
Other microfossils:					
60	Botryococcus		4		
65	Pediastrum X		3		
101	Pediastrum K		9		
102	large,strange TCT/Sedge, cf. #1432		100	13	14
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		46		
100	Lycopodium (tracer)		38		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1159

Sample depth = 102.780 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.558 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		34		
2	Abies		1		
6	Tsuga (fringed)		3		
7	TCT		93		
9	Quercus		66		
15	Alnus		1		
77	Corylus		1		
	Sub-total:	199			
Aquatic pollen:					
19	Cyperaceae		1		
26	Potamogeton		1		
	Sub-total:	2			
Herbs and shrubs:					
29	High-spine Compositae		3		
32	Artemisia		2		
38	Rosaceae		1		
41	Rhamnaceae		1		
49	Cruciferae		2		
	Sub-total:	9			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	219			
Other microfossils:					
60	Botryococcus		13		
65	Pediastrum X		4		
101	Pediastrum K		18		
102	large,strange TCT/Sedge, cf. #1432		100	13	12
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		75		
100	Lycopodium (tracer)		57		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1161

Sample depth = 102.980 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.884 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		47		
4	Pseudotsuga		1		
7	TCT		82		
9	Quercus		61		
15	Alnus		3		
16	Fraxinus		1		
18	Salix		3		
78	Arceuthobium		1		
	Sub-total:	199			
Aquatic pollen:					
19	Cyperaceae		6		
	Sub-total:	6			
Herbs and shrubs:					
31	Liguliflorae		1		
32	Artemisia		2		
41	Rhamnaceae		1		
42	Umbelliferae		1		
103	Portulacaceae		1		
	Sub-total:	6			
Other pollen:					
57	unknowns		12		
104	unk., cf. Acer negundo		2		
	Sub-total:	14			
	Total pollen:	225			
Other microfossils:					
60	Botryococcus		11		
65	Pediastrum X		3		
67	Hystrichosphaerids		3		
101	Pediastrum K		41		
102	large,strange TCT/Sedge, cf. #1432		100	28	22
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		70		
100	Lycopodium (tracer)		60		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1163

Sample depth = 103.180 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.804 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		30		
4	Pseudotsuga		3		
7	TCT		80		
9	Quercus		88		
15	Alnus		1		
18	Salix		1		
77	Corylus		2		
	Sub-total:	205			
Aquatic pollen:					
26	Potamogeton		1		
	Sub-total:	1			
Herbs and shrubs:					
29	High-spine Compositae		2		
32	Artemisia		2		
39	Polygonaceae		1		
50	Liliaceae		1		
	Sub-total:	6			
Other pollen:					
57	unknowns		3		
	Sub-total:	3			
	Total pollen:	215			
Other microfossils:					
60	Botryococcus		3		
65	Pediastrum X		3		
101	Pediastrum K		11		
102	large,strange TCT/Sedge, cf. #1432		100	40	25
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		67		
100	Lycopodium (tracer)		48		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1150

Sample depth = 103.500 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.587 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		41		
2	Abies		1		
7	TCT		73		
9	Quercus		78		
15	Alnus		2		
	Sub-total:	195			
Aquatic pollen:					
19	Cyperaceae		2		
86	Menyanthes		1		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		3		
33	Ericaceae		1		
51	cf. Proserpinaca		1		
	Sub-total:	5			
Other pollen:					
52	4-colpate reticulate unk.		2		
57	unknowns		6		
	Sub-total:	8			
	Total pollen:	211			
Other microfossils:					
60	Botryococcus		6		
65	Pediastrum X		2	47	27
101	Pediastrum K		31	47	27
102	large,strange TCT/Sedge, cf. #1432		100	47	27
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		78		
100	Lycopodium (tracer)		44		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1151

Sample depth = 103.600 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.636 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		44		
3	Picea		2		
4	Pseudotsuga		1		
5	Tsuga (bladders)		1		
7	TCT		79		
9	Quercus		62		
14	Castanopsis		1		
15	Alnus		1		
18	Salix		1		
77	Corylus		1		
	Sub-total:	193			
Aquatic pollen:					
19	Cyperaceae		3		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		2		
30	Low-spine Compositae		1		
32	Artemisia		1		
34	Gramineae		1		
50	Liliaceae		1		
	Sub-total:	8			
Other pollen:					
13	cf. Tilia		2		
57	unknowns		10		
	Sub-total:	12			
	Total pollen:	216			
Other microfossils:					
60	Botryococcus		4		
65	Pediastrum X		1		
67	Hystrichosphaerids		1		
101	Pediastrum K		45	60	45
102	large,strange TCT/Sedge, cf. #1432		100	60	45
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		82		
100	Lycopodium (tracer)		59		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1152

Sample depth = 103.700 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.231 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		45		
3	Picea		1		
4	Pseudotsuga		1		
7	TCT		84		
9	Quercus		52		
15	Alnus		3		
16	Fraxinus		1		
	Sub-total:	187			
Aquatic pollen:					
19	Cyperaceae		3		
26	Potamogeton		1		
	Sub-total:	4			
Herbs and shrubs:					
29	High-spine Compositae		7		
32	Artemisia		2		
34	Gramineae		1		
49	Cruciferae		1		
50	Liliaceae		1		
	Sub-total:	12			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	212			
Other microfossils:					
60	Botryococcus		7		
101	Pediastrum K		37	58	57
102	large,strange TCT/Sedge, cf. #1432		100	58	57
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		89		
100	Lycopodium (tracer)		77		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1154

Sample depth = 103.900 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.848 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		44		
7	TCT		80		
9	Quercus		70		
14	Castanopsis		1		
15	Alnus		1		
77	Corylus		1		
	Sub-total:	197			
Aquatic pollen:					
19	Cyperaceae		1		
	Sub-total:	1			
Herbs and shrubs:					
29	High-spine Compositae		3		
32	Artemisia		1		
34	Gramineae		2		
39	Polygonaceae		1		
41	Rhamnaceae		2		
49	Cruciferae		2		
50	Liliaceae		1		
	Sub-total:	12			
Other pollen:					
57	unknowns		11		
	Sub-total:	11			
	Total pollen:	221			
Other microfossils:					
65	Pediastrum X		3		
67	Hystrichosphaerids		1		
101	Pediastrum K		1		
102	large,strange TCT/Sedge, cf. #1432		100	36	21
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		77		
100	Lycopodium (tracer)		43		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1156

Sample depth = 104.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.851 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		74		
2	Abies		1		
3	Picea		1		
4	Pseudotsuga		1		
5	Tsuga (bladders)		1		
7	TCT		66		
9	Quercus		60		
14	Castanopsis		1		
15	Alnus		2		
16	Fraxinus		1		
18	Salix		3		
77	Corylus		1		
	Sub-total:	212			
Aquatic pollen:					
19	Cyperaceae		1		
	Sub-total:	1			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		3		
32	Artemisia		2		
34	Gramineae		2		
	Sub-total:	9			
Other pollen:					
57	unknowns		4		
104	unk., cf. Acer negundo		2		
	Sub-total:	6			
	Total pollen:	228			
Other microfossils:					
65	Pediastrum X		4		
67	Hystrichosphaerids		1		
101	Pediastrum K		25		
102	large,strange TCT/Sedge, cf. #1432		100	27	19
116	cf. #102, but striate		5	27	19
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		81		
100	Lycopodium (tracer)		47		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1143

Sample depth = 104.360 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.847 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		90		
2	Abies		1		
3	Picea		1		
4	Pseudotsuga		2		
6	Tsuga (fringed)		2		
7	TCT		107		
9	Quercus		82		
14	Castanopsis		1		
16	Fraxinus		2		
18	Salix		2		
77	Corylus		1		
	Sub-total:	291			
Aquatic pollen:					
19	Cyperaceae		3		
22	Typha (tetrads)		1		
23	Typha/Sparganium (monads)		1		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		3		
29	High-spine Compositae		9		
34	Gramineae		2		
45	Leguminosae		2		
49	Cruciferae		1		
50	Liliaceae		1		
	Sub-total:	18			
Other pollen:					
57	unknowns		6		
	Sub-total:	6			
	Total pollen:	320			
Other microfossils:					
60	Botryococcus		1		
65	Pediastrum X		5		
101	Pediastrum K		8		
102	large,strange TCT/Sedge, cf. #1432		100	30	32
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		59		
100	Lycopodium (tracer)		65		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1145

Sample depth = 104.560 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.589 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		125
2	Abies		1
3	Picea		2
4	Pseudotsuga		1
7	TCT		71
9	Quercus		30
15	Alnus		1
18	Salix		3
	Sub-total:	234	
Aquatic pollen:			
19	Cyperaceae		2
	Sub-total:	2	
Herbs and shrubs:			
29	High-spine Compositae		3
32	Artemisia		1
34	Gramineae		1
39	Polygonaceae		1
41	Rhamnaceae		1
43	Caryophyllaceae		1
	Sub-total:	8	
Other pollen:			
57	unknowns		11
97	unk. cf. prolate Aconitum		1
	Sub-total:	12	
	Total pollen:	256	
Other microfossils:			
60	Botryococcus		9
62	Pediastrum A		1
66	Pediastrum Y		2
101	Pediastrum K		7
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		27
100	Lycopodium (tracer)		30

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1147

Sample depth = 104.760 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.026 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		123
2	Abies		1
3	Picea		1
4	Pseudotsuga		2
7	TCT		84
9	Quercus		13
15	Alnus		1
16	Fraxinus		1
18	Salix		1
77	Corylus		3
	Sub-total:	230	
Aquatic pollen:			
19	Cyperaceae		4
	Sub-total:	4	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		5
32	Artemisia		3
38	Rosaceae		1
43	Caryophyllaceae		2
50	Liliaceae		1
	Sub-total:	13	
Other pollen:			
57	unknowns		13
	Sub-total:	13	
	Total pollen:	260	
Other microfossils:			
60	Botryococcus		20
61	Coelastrum		3
64	Pediastrum O		1
66	Pediastrum Y		4
101	Pediastrum K		38
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		27
100	Lycopodium (tracer)		61

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1149

Sample depth = 104.960 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.976 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		117
2	Abies		5
4	Pseudotsuga		1
5	Tsuga (bladders)		2
7	TCT		64
9	Quercus		18
15	Alnus		1
16	Fraxinus		2
18	Salix		1
	Sub-total:	211	
Aquatic pollen:			
19	Cyperaceae		1
	Sub-total:	1	
Herbs and shrubs:			
29	High-spine Compositae		4
32	Artemisia		4
34	Gramineae		1
	Sub-total:	9	
Other pollen:			
57	unknowns		7
	Sub-total:	7	
	Total pollen:	228	
Other microfossils:			
60	Botryococcus		10
61	Coelastrum		3
65	Pediastrum X		10
67	Hystrichosphaerids		1
101	Pediastrum K		23
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		80
100	Lycopodium (tracer)		48

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1172

Sample depth = 105.280 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.776 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		113
2	Abies		2
7	TCT		57
9	Quercus		7
16	Fraxinus		1
18	Salix		1
78	Arceuthobium		1
	Sub-total:	182	
Aquatic pollen:			
19	Cyperaceae		8
21	Myriophyllum		1
26	Potamogeton		1
	Sub-total:	10	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		1
32	Artemisia		2
34	Gramineae		1
50	Liliaceae		1
103	Portulacaceae		7
	Sub-total:	13	
Other pollen:			
57	unknowns		3
	Sub-total:	3	
	Total pollen:	208	
Other microfossils:			
60	Botryococcus		12
65	Pediastrum X		5
101	Pediastrum K		9
102	large,strange TCT/Sedge, cf. #1432		16
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		55
100	Lycopodium (tracer)		50

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1174

Sample depth = 105.480 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.136 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		124	
2	Abies		5	
3	Picea		1	
7	TCT		58	
9	Quercus		9	
18	Salix		1	
78	Arceuthobium		1	
	Sub-total:	199		
Aquatic pollen:				
19	Cyperaceae		2	
	Sub-total:	2		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		3	
32	Artemisia		2	
33	Ericaceae		1	
39	Polygonaceae		1	
	Sub-total:	8		
Other pollen:				
13	cf. Tilia		1	
57	unknowns		8	
93	unk. cf. Artemisia		4	
	Sub-total:	13		
	Total pollen:	222		
Other microfossils:				
60	Botryococcus		12	
65	Pediastrum X		2	
101	Pediastrum K		4	
102	large,strange TCT/Sedge, cf. #1432		82	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		49	
100	Lycopodium (tracer)		70	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1176

Sample depth = 105.680 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.966 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		110
4	Pseudotsuga		2
7	TCT		92
9	Quercus		18
15	Alnus		1
16	Fraxinus		1
18	Salix		2
	Sub-total:	226	
Aquatic pollen:			
19	Cyperaceae		2
23	Typha/Sparganium (monads)		1
	Sub-total:	3	
Herbs and shrubs:			
28	Cheno-ams		2
29	High-spine Compositae		9
30	Low-spine Compositae		1
32	Artemisia		3
38	Rosaceae		1
49	Cruciferae		2
88	Eriogonum		1
	Sub-total:	19	
Other pollen:			
57	unknowns		10
	Sub-total:	10	
	Total pollen:	258	
Other microfossils:			
60	Botryococcus		7
71	Dryopteris-type		1
101	Pediastrum K		23
102	large,strange TCT/Sedge, cf. #1432		37
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		88
100	Lycopodium (tracer)		81

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1178

Sample depth = 105.880 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.570 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		87	
2	Abies		2	
3	Picea		1	
5	Tsuga (bladders)		1	
7	TCT		80	
9	Quercus		27	
15	Alnus		1	
18	Salix		2	
	Sub-total:	201		
Aquatic pollen:				
19	Cyperaceae		7	
	Sub-total:	7		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		2	
32	Artemisia		4	
34	Gramineae		1	
38	Rosaceae		2	
39	Polygonaceae		1	
41	Rhamnaceae		1	
	Sub-total:	12		
Other pollen:				
13	cf. Tilia		2	
57	unknowns		11	
	Sub-total:	13		
	Total pollen:	233		
Other microfossils:				
60	Botryococcus		7	
65	Pediastrum X		8	
94	Pediastrum CC		3	
102	large,strange TCT/Sedge, cf. #1432		50	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		22	
100	Lycopodium (tracer)		60	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1164

Sample depth = 106.140 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.876 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		75		
2	Abies		1		
4	Pseudotsuga		3		
7	TCT		87		
9	Quercus		30		
14	Castanopsis		1		
16	Fraxinus		1		
18	Salix		2		
	Sub-total:	200			
Aquatic pollen:					
19	Cyperaceae		5		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		4		
29	High-spine Compositae		3		
117	Saxifragaceae		1		
	Sub-total:	8			
Other pollen:					
57	unknowns		3		
	Sub-total:	3			
	Total pollen:	216			
Other microfossils:					
59	Nuphar leaf hairs		1		
60	Botryococcus		14		
65	Pediastrum X		18		
67	Hystrichosphaerids		1		
70	Trilete spores		1		
102	large,strange TCT/Sedge, cf. #1432		100	32	18
116	cf. #102, but striate		3	32	18
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		76		
100	Lycopodium (tracer)		42		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1168

Sample depth = 106.550 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 5.307 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		66	
2	Abies		2	
4	Pseudotsuga		1	
5	Tsuga (bladders)		1	
7	TCT		88	
9	Quercus		49	
14	Castanopsis		1	
16	Fraxinus		4	
18	Salix		3	
	Sub-total:	215		
Aquatic pollen:				
19	Cyperaceae		7	
23	Typha/Sparganium (monads)		1	
26	Potamogeton		2	
	Sub-total:	10		
Herbs and shrubs:				
28	Cheno-ams		3	
29	High-spine Compositae		6	
32	Artemisia		4	
41	Rhamnaceae		1	
95	Campanulaceae		1	
	Sub-total:	15		
Other pollen:				
57	unknowns		11	
	Sub-total:	11		
	Total pollen:	251		
Other microfossils:				
60	Botryococcus		6	
65	Pediastrum X		13	
94	Pediastrum CC		3	
102	large,strange TCT/Sedge, cf. #1432		15	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		95	
100	Lycopodium (tracer)		99	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1179

Sample depth = 107.100 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.900 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		66
6	Tsuga (fringed)		1
7	TCT		83
9	Quercus		22
14	Castanopsis		1
15	Alnus		2
16	Fraxinus		3
	Sub-total:	178	
Aquatic pollen:			
19	Cyperaceae		8
	Sub-total:	8	
Herbs and shrubs:			
29	High-spine Compositae		7
30	Low-spine Compositae		2
32	Artemisia		2
39	Polygonaceae		1
41	Rhamnaceae		2
42	Umbelliferae		1
49	Cruciferae		1
103	Portulacaceae		2
	Sub-total:	18	
Other pollen:			
13	cf. Tilia		2
57	unknowns		13
104	unk., cf. Acer negundo		1
	Sub-total:	16	
	Total pollen:	220	
Other microfossils:			
60	Botryococcus		25
65	Pediastrum X		74
67	Hystrichosphaerids		1
83	Pediastrum AA		20
101	Pediastrum K		19
102	large,strange TCT/Sedge, cf. #1432		32
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		69
100	Lycopodium (tracer)		39

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1184

Sample depth = 107.600 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.054 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		74
3	Picea		1
4	Pseudotsuga		1
5	Tsuga (bladders)		1
7	TCT		87
9	Quercus		11
16	Fraxinus		4
18	Salix		2
	Sub-total:	181	
Aquatic pollen:			
19	Cyperaceae		3
	Sub-total:	3	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		14
32	Artemisia		1
34	Gramineae		1
43	Caryophyllaceae		1
49	Cruciferae		1
	Sub-total:	19	
Other pollen:			
57	unknowns		13
	Sub-total:	13	
	Total pollen:	216	
Other microfossils:			
60	Botryococcus		42
65	Pediastrum X		4
102	large,strange TCT/Sedge, cf. #1432		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		34
100	Lycopodium (tracer)		31

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1188

Sample depth = 108.070 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.984 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		126	
4	Pseudotsuga		1	
7	TCT		49	
9	Quercus		9	
16	Fraxinus		9	
	Sub-total:	194		
Aquatic pollen:				
19	Cyperaceae		6	
	Sub-total:	6		
Herbs and shrubs:				
29	High-spine Compositae		1	
38	Rosaceae		1	
41	Rhamnaceae		2	
47	Gilia		1	
	Sub-total:	5		
Other pollen:				
57	unknowns		4	
73	cf. Pedicularis		1	
104	unk., cf. Acer negundo		1	
	Sub-total:	6		
	Total pollen:	211		
Other microfossils:				
60	Botryococcus		7	
65	Pediastrum X		16	
102	large,strange TCT/Sedge, cf. #1432		1	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		39	
100	Lycopodium (tracer)		36	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1189

Sample depth = 108.170 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.961 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		107	
2	Abies		1	
3	Picea		2	
4	Pseudotsuga		2	
7	TCT		82	
9	Quercus		40	
15	Alnus		1	
18	Salix		1	
	Sub-total:	236		
Aquatic pollen:				
19	Cyperaceae		11	
	Sub-total:	11		
Herbs and shrubs:				
28	Cheno-ams		1	
29	High-spine Compositae		8	
30	Low-spine Compositae		1	
31	Liguliflorae		1	
33	Ericaceae		1	
34	Gramineae		1	
41	Rhamnaceae		5	
43	Caryophyllaceae		1	
49	Cruciferae		2	
88	Eriogonum		1	
114	Rubiaceae		1	
114	Rubiaceae		1	
	Sub-total:	24		
Other pollen:				
53	cf. Tilia, 4 pores		5	
	Sub-total:	5		
	Total pollen:	276		
Other microfossils:				
59	Nuphar leaf hairs		1	
60	Botryococcus		44	
65	Pediastrum X		23	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		60	
100	Lycopodium (tracer)		33	

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1190

Sample depth = 108.270 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.103 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		72
2	Abies		1
4	Pseudotsuga		1
6	Tsuga (fringed)		1
7	TCT		61
9	Quercus		27
12	Juglans		1
14	Castanopsis		1
18	Salix		2
	Sub-total:	167	
Aquatic pollen:			
19	Cyperaceae		7
23	Typha/Sparganium (monads)		1
	Sub-total:	8	
Herbs and shrubs:			
29	High-spine Compositae		10
34	Gramineae		5
41	Rhamnaceae		6
	Sub-total:	21	
Other pollen:			
13	cf. Tilia		5
57	unknowns		20
	Sub-total:	25	
	Total pollen:	221	
Other microfossils:			
60	Botryococcus		58
65	Pediastrum X		35
66	Pediastrum Y		1
67	Hystrichosphaerids		3
68	Nuphar sclereids		3
94	Pediastrum CC		2
107	Cryptogamma type		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		51
100	Lycopodium (tracer)		43

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1191

Sample depth = 108.370 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.214 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		74
2	Abies		1
3	Picea		1
4	Pseudotsuga		1
7	TCT		58
9	Quercus		30
14	Castanopsis		6
18	Salix		2
	Sub-total:	173	
Aquatic pollen:			
19	Cyperaceae		5
75	Isoetes		1
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		16
32	Artemisia		2
34	Gramineae		2
41	Rhamnaceae		6
49	Cruciferae		1
	Sub-total:	27	
Other pollen:			
13	cf. Tilia		4
57	unknowns		21
104	unk., cf. Acer negundo		1
	Sub-total:	26	
	Total pollen:	232	
Other microfossils:			
60	Botryococcus		20
65	Pediastrum X		70
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		40
100	Lycopodium (tracer)		33

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1192

Sample depth = 108.470 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.350 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		84		
3	Picea		2		
7	TCT		54		
9	Quercus		25		
15	Alnus		1		
16	Fraxinus		4		
18	Salix		2		
	Sub-total:	172			
Aquatic pollen:					
19	Cyperaceae		2		
23	Typha/Sparganium (monads)		1		
	Sub-total:	3			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		13		
32	Artemisia		2		
33	Ericaceae		1		
34	Gramineae		1		
38	Rosaceae		1		
41	Rhamnaceae		8		
49	Cruciferae		4		
	Sub-total:	32			
Other pollen:					
13	cf. Tilia		3		
57	unknowns		14		
	Sub-total:	17			
	Total pollen:	224			
Other microfossils:					
60	Botryococcus		18	21	28
65	Pediastrum X		100	21	28
66	Pediastrum Y		5	21	28
67	Hystrichosphaerids		1		
94	Pediastrum CC		3	21	28
102	large,strange TCT/Sedge, cf. #1432		9	21	28
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		52		
100	Lycopodium (tracer)		44		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1193

Sample depth = 108.570 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.072 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		84
2	Abies		1
4	Pseudotsuga		2
6	Tsuga (fringed)		1
7	TCT		76
9	Quercus		49
12	Juglans		1
14	Castanopsis		8
15	Alnus		1
18	Salix		1
78	Arceuthobium		1
	Sub-total:	225	
Aquatic pollen:			
19	Cyperaceae		9
23	Typha/Sparganium (monads)		1
	Sub-total:	10	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		24
34	Gramineae		5
41	Rhamnaceae		10
49	Cruciferae		3
81	Convulvulaceae		1
114	Rubiaceae		1
114	Rubiaceae		1
	Sub-total:	46	
Other pollen:			
13	cf. Tilia		8
57	unknowns		6
	Sub-total:	14	
	Total pollen:	295	
Other microfossils:			
60	Botryococcus		11
65	Pediastrum X		82
67	Hystrichosphaerids		8
101	Pediastrum K		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		63
100	Lycopodium (tracer)		32

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1194

Sample depth = 108.670 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.406 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		73
4	Pseudotsuga		4
7	TCT		60
9	Quercus		51
14	Castanopsis		4
15	Alnus		2
18	Salix		3
	Sub-total:	197	
Aquatic pollen:			
19	Cyperaceae		6
23	Typha/Sparganium (monads)		1
75	Isoetes		2
	Sub-total:	9	
Herbs and shrubs:			
29	High-spine Compositae		17
30	Low-spine Compositae		1
32	Artemisia		1
34	Gramineae		1
41	Rhamnaceae		5
46	Thalictrum		1
49	Cruciferae		3
80	Labiatae		1
88	Eriogonum		1
	Sub-total:	31	
Other pollen:			
53	cf. Tilia, 4 pores		9
57	unknowns		7
104	unk., cf. Acer negundo		2
105	cf. Dodecatheon		1
	Sub-total:	19	
	Total pollen:	256	
Other microfossils:			
60	Botryococcus		18
65	Pediastrum X		84
102	large,strange TCT/Sedge, cf. #1432		9
106	Tendipedid tails		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		50
100	Lycopodium (tracer)		30

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1526

Sample depth = 108.900 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.210 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		22
7	TCT		38
9	Quercus		101
12	Juglans		1
14	Castanopsis		1
16	Fraxinus		2
18	Salix		2
	Sub-total:	167	
Aquatic pollen:			
19	Cyperaceae		3
26	Potamogeton		1
75	Isoetes		2
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		10
34	Gramineae		1
43	Caryophyllaceae		1
49	Cruciferae		4
80	Labiatae		1
88	Eriogonum		1
109	Onagraceae		1
	Sub-total:	19	
Other pollen:			
53	cf. Tilia, 4 pores		1
57	unknowns		11
	Sub-total:	12	
	Total pollen:	204	
Other microfossils:			
60	Botryococcus		6
65	Pediastrum X		90
101	Pediastrum K		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		68
100	Lycopodium (tracer)		50

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1124

Sample depth = 109.850 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.480 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		12
3	Picea		1
4	Pseudotsuga		1
7	TCT		31
9	Quercus		131
12	Juglans		1
14	Castanopsis		4
15	Alnus		2
16	Fraxinus		1
18	Salix		1
	Sub-total:	185	
Aquatic pollen:			
19	Cyperaceae		3
26	Potamogeton		1
75	Isoetes		1
	Sub-total:	5	
Herbs and shrubs:			
29	High-spine Compositae		5
32	Artemisia		3
34	Gramineae		1
38	Rosaceae		2
47	Gilia		1
49	Cruciferae		5
	Sub-total:	17	
Other pollen:			
57	unknowns		20
	Sub-total:	20	
	Total pollen:	227	
Other microfossils:			
60	Botryococcus		4
64	Pediastrum C		3
67	Hystrichosphaerids		62
107	Cryptogamma type		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		60
100	Lycopodium (tracer)		53

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1125

Sample depth = 110.000 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.464 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		8		
4	Pseudotsuga		1		
7	TCT		37		
9	Quercus		130		
12	Juglans		3		
15	Alnus		1		
	Sub-total:	180			
Aquatic pollen:					
19	Cyperaceae		1		
75	Isoetes		1		
	Sub-total:	2			
Herbs and shrubs:					
28	Cheno-ams		1		
29	High-spine Compositae		3		
32	Artemisia		1		
49	Cruciferae		7		
50	Liliaceae		1		
103	Portulacaceae		3		
	Sub-total:	16			
Other pollen:					
13	cf. Tilia		1		
57	unknowns		25		
	Sub-total:	26			
	Total pollen:	224			
Other microfossils:					
60	Botryococcus		2		
67	Hystrichosphaerids		100	14	10
70	Trilete spores		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		88		
100	Lycopodium (tracer)		47		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1127

Sample depth = 110.200 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.586 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		9		
7	TCT		18		
9	Quercus		159		
12	Juglans		1		
14	Castanopsis		1		
16	Fraxinus		4		
18	Salix		1		
78	Arceuthobium		1		
	Sub-total:	194			
Aquatic pollen:					
19	Cyperaceae		3		
23	Typha/Sparganium (monads)		1		
26	Potamogeton		1		
	Sub-total:	5			
Herbs and shrubs:					
29	High-spine Compositae		11		
34	Gramineae		1		
39	Polygonaceae		1		
49	Cruciferae		2		
50	Liliaceae		1		
88	Eriogonum		1		
	Sub-total:	17			
Other pollen:					
57	unknowns		11		
	Sub-total:	11			
	Total pollen:	227			
Other microfossils:					
60	Botryococcus		1		
65	Pediastrum X		1		
67	Hystrichosphaerids		100	35	22
70	Trilete spores		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		78		
100	Lycopodium (tracer)		56		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1195

Sample depth = 110.710 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.653 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		8		
4	Pseudotsuga		1		
7	TCT		23		
9	Quercus		150		
10	Lithocarpus		1		
12	Juglans		1		
14	Castanopsis		2		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		5		
	Sub-total:	5			
Herbs and shrubs:					
28	Cheno-ams		2		
29	High-spine Compositae		8		
30	Low-spine Compositae		1		
32	Artemisia		2		
43	Caryophyllaceae		1		
	Sub-total:	14			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	214			
Other microfossils:					
60	Botryococcus		1		
67	Hystrichosphaerids		100	5	9
70	Trilete spores		1		
71	Dryopteris-type		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		41		
100	Lycopodium (tracer)		37		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1198

Sample depth = 111.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.945 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		13		
2	Abies		3		
7	TCT		38		
9	Quercus		130		
12	Juglans		1		
15	Alnus		1		
	Sub-total:	186			
Aquatic pollen:					
19	Cyperaceae		3		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		9		
31	Liguliflorae		1		
33	Ericaceae		1		
34	Gramineae		1		
38	Rosaceae		1		
40	Polygonum californicum		1		
41	Rhamnaceae		1		
81	Convulvulaceae		1		
	Sub-total:	16			
Other pollen:					
57	unknowns		9		
	Sub-total:	9			
	Total pollen:	214			
Other microfossils:					
60	Botryococcus		2		
65	Pediastrum X		5		
67	Hystrichosphaerids		100	28	20
71	Dryopteris-type		1		
107	Cryptogamma type		1		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		79		
100	Lycopodium (tracer)		70		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1200

Sample depth = 111.210 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.869 grams

Variable number	Variable name		Count	Tracer sub-counts	
Arboreal pollen:					
1	Pinus		4		
2	Abies		1		
3	Picea		1		
7	TCT		25		
9	Quercus		173		
14	Castanopsis		1		
15	Alnus		2		
77	Corylus		1		
	Sub-total:	208			
Aquatic pollen:					
19	Cyperaceae		2		
26	Potamogeton		1		
	Sub-total:	3			
Herbs and shrubs:					
29	High-spine Compositae		11		
30	Low-spine Compositae		1		
31	Liguliflorae		1		
34	Gramineae		1		
49	Cruciferae		3		
	Sub-total:	17			
Other pollen:					
57	unknowns		13		
	Sub-total:	13			
	Total pollen:	241			
Other microfossils:					
60	Botryococcus		4		
65	Pediastrum X		3		
67	Hystrichosphaerids		100	9	6
70	Trilete spores		2		
Exotic tracers (added to sample):					
58	Eucalyptus (tracer)		51		
100	Lycopodium (tracer)		37		

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1202

Sample depth = 111.410 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.786 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		9
3	Picea		3
7	TCT		40
9	Quercus		142
16	Fraxinus		1
18	Salix		2
77	Corylus		1
	Sub-total:	198	
Aquatic pollen:			
19	Cyperaceae		4
	Sub-total:	4	
Herbs and shrubs:			
29	High-spine Compositae		2
30	Low-spine Compositae		1
34	Gramineae		1
	Sub-total:	4	
Other pollen:			
57	unknowns		5
	Sub-total:	5	
	Total pollen:	211	
Other microfossils:			
65	Pediastrum X		9
67	Hystrichosphaerids		87
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		51
100	Lycopodium (tracer)		38

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1226

Sample depth = 111.630 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.953 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		19
3	Picea		1
7	TCT		67
9	Quercus		157
15	Alnus		3
16	Fraxinus		1
18	Salix		3
77	Corylus		6
	Sub-total:	257	
Aquatic pollen:			
19	Cyperaceae		8
26	Potamogeton		1
	Sub-total:	9	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		12
38	Rosaceae		2
40	Polygonum californicum		1
88	Eriogonum		1
	Sub-total:	17	
Other pollen:			
57	unknowns		38
	Sub-total:	38	
	Total pollen:	321	
Other microfossils:			
60	Botryococcus		17
65	Pediastrum X		30
71	Dryopteris-type		1
101	Pediastrum K		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		50
100	Lycopodium (tracer)		72

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1228

Sample depth = 111.830 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 5.053 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			31
2	Abies			1
3	Picea			1
4	Pseudotsuga			1
5	Tsuga (bladders)			1
7	TCT			63
9	Quercus			131
12	Juglans			2
15	Alnus			1
18	Salix			1
77	Corylus			1
	Sub-total:	234		
Aquatic pollen:				
19	Cyperaceae			3
	Sub-total:	3		
Herbs and shrubs:				
28	Cheno-ams			1
29	High-spine Compositae			4
32	Artemisia			1
38	Rosaceae			3
59	Liliaceae			1
	Sub-total:	10		
	Total pollen:	247		
Other microfossils:				
60	Botryococcus			15
65	Pediastrum X			4
101	Pediastrum K			1
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			45
100	Lycopodium (tracer)			45

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1230

Sample depth = 112.030 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.582 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		35
4	Pseudotsuga		4
5	Tsuga (bladders)		1
7	TCT		80
9	Quercus		152
15	Alnus		2
18	Salix		3
77	Corylus		1
	Sub-total:	278	
Aquatic pollen:			
19	Cyperaceae		5
26	Potamogeton		1
	Sub-total:	6	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		3
30	Low-spine Compositae		1
32	Artemisia		1
33	Ericaceae		1
47	Gilia		1
	Sub-total:	8	
Other pollen:			
57	unknowns		3
104	unk., cf. Acer negundo		3
	Sub-total:	6	
	Total pollen:	298	
Other microfossils:			
60	Botryococcus		12
65	Pediastrum X		3
70	Trilete spores		1
71	Dryopteris-type		1
101	Pediastrum K		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		56
100	Lycopodium (tracer)		43

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1231

Sample depth = 112.130 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.049 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		48
2	Abies		1
3	Picea		1
4	Pseudotsuga		1
7	TCT		76
9	Quercus		95
15	Alnus		5
18	Salix		4
77	Corylus		1
	Sub-total:	232	
Aquatic pollen:			
19	Cyperaceae		7
	Sub-total:	7	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		3
34	Gramineae		1
	Sub-total:	5	
Other pollen:			
57	unknowns		7
	Sub-total:	7	
	Total pollen:	251	
Other microfossils:			
59	Nuphar leaf hairs		1
60	Botryococcus		4
65	Pediastrum X		3
70	Trilete spores		3
101	Pediastrum K		2
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		62
100	Lycopodium (tracer)		56

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1232

Sample depth = 112.230 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 3.873 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		68
2	Abies		1
4	Pseudotsuga		4
5	Tsuga (bladders)		1
6	Tsuga (fringed)		1
7	TCT		78
9	Quercus		37
15	Alnus		2
18	Salix		1
	Sub-total:	193	
Aquatic pollen:			
19	Cyperaceae		1
	Sub-total:	1	
Herbs and shrubs:			
29	High-spine Compositae		3
30	Low-spine Compositae		1
32	Artemisia		1
41	Rhamnaceae		1
	Sub-total:	6	
Other pollen:			
57	unknowns		6
	Sub-total:	6	
	Total pollen:	206	
Other microfossils:			
60	Botryococcus		6
63	Pediastrum N		1
65	Pediastrum X		4
70	Trilete spores		2
101	Pediastrum K		13
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		48
100	Lycopodium (tracer)		43

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1233

Sample depth = 112.330 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.118 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		13
2	Abies		1
3	Picea		1
7	TCT		41
9	Quercus		130
10	Lithocarpus		1
15	Alnus		2
18	Salix		1
	Sub-total:	190	
Aquatic pollen:			
19	Cyperaceae		4
75	Isoetes		1
	Sub-total:	5	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		6
	Sub-total:	7	
Other pollen:			
57	unknowns		8
	Sub-total:	8	
	Total pollen:	210	
Other microfossils:			
60	Botryococcus		9
62	Pediastrum A		2
65	Pediastrum X		32
67	Hystrichosphaerids		1
71	Dryopteris-type		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		40
100	Lycopodium (tracer)		40

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1212

Sample depth = 112.640 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.050 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		81
2	Abies		2
3	Picea		4
4	Pseudotsuga		6
6	Tsuga (fringed)		3
7	TCT		104
9	Quercus		53
15	Alnus		2
18	Salix		1
	Sub-total:	256	
Aquatic pollen:			
19	Cyperaceae		2
26	Potamogeton		3
75	Isoetes		2
	Sub-total:	7	
Herbs and shrubs:			
28	Cheno-ams		1
29	High-spine Compositae		2
34	Gramineae		2
103	Portulacaceae		2
	Sub-total:	7	
Other pollen:			
57	unknowns		7
104	unk., cf. Acer negundo		2
	Sub-total:	9	
	Total pollen:	279	
Other microfossils:			
60	Botryococcus		38
65	Pediastrum X		2
101	Pediastrum K		37
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		61
100	Lycopodium (tracer)		56

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1216

Sample depth = 113.040 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.006 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			68
2	Abies			1
3	Picea			4
4	Pseudotsuga			8
6	Tsuga (fringed)			4
7	TCT			124
9	Quercus			19
	Sub-total:	228		
Aquatic pollen:				
19	Cyperaceae			2
23	Typha/Sparganium (monads)			1
	Sub-total:	3		
Herbs and shrubs:				
29	High-spine Compositae			2
34	Gramineae			1
38	Rosaceae			3
40	Polygonum californicum			1
41	Rhamnaceae			1
	Sub-total:	8		
Other pollen:				
57	unknowns			6
	Sub-total:	6		
	Total pollen:	245		
Other microfossils:				
60	Botryococcus			8
65	Pediastrum X			2
101	Pediastrum K			8
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			61
100	Lycopodium (tracer)			31

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1219

Sample depth = 113.510 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.208 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus			86
2	Abies			3
3	Picea			3
4	Pseudotsuga			8
5	Tsuga (bladders)			1
6	Tsuga (fringed)			7
7	TCT			112
9	Quercus			18
18	Salix			1
	Sub-total:	239		
Aquatic pollen:				
19	Cyperaceae			5
26	Potamogeton			1
	Sub-total:	6		
Herbs and shrubs:				
29	High-spine Compositae			5
31	Liguliflorae			2
34	Gramineae			1
	Sub-total:	8		
Other pollen:				
57	unknowns			6
104	unk., cf. Acer negundo			3
	Sub-total:	9		
	Total pollen:	262		
Other microfossils:				
60	Botryococcus			53
65	Pediastrum X			2
70	Trilete spores			1
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)			71
100	Lycopodium (tracer)			49

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1224

Sample depth = 114.010 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.426 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		69
2	Abies		3
4	Pseudotsuga		5
6	Tsuga (fringed)		4
7	TCT		130
15	Alnus		2
18	Salix		1
77	Corylus		1
78	Arceuthobium		1
	Sub-total:	216	
Aquatic pollen:			
19	Cyperaceae		2
26	Potamogeton		4
	Sub-total:	6	
Herbs and shrubs:			
29	High-spine Compositae		1
32	Artemisia		2
34	Gramineae		6
39	Polygonaceae		1
42	Umbelliferae		1
43	Caryophyllaceae		1
103	Portulacaceae		1
	Sub-total:	13	
Other pollen:			
57	unknowns		3
	Sub-total:	3	
	Total pollen:	238	
Other microfossils:			
60	Botryococcus		7
65	Pediastrum X		1
70	Trilete spores		2
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		68
100	Lycopodium (tracer)		30

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1205

Sample depth = 114.570 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.431 grams

Variable number	Variable name	Count	Tracer sub-counts
Arboreal pollen:			
1	Pinus		119
2	Abies		1
3	Picea		2
4	Pseudotsuga		3
6	Tsuga (fringed)		3
7	TCT		84
9	Quercus		1
16	Fraxinus		1
	Sub-total:	214	
Aquatic pollen:			
19	Cyperaceae		2
	Sub-total:	2	
Herbs and shrubs:			
29	High-spine Compositae		3
32	Artemisia		2
34	Gramineae		3
40	Polygonum californicum		1
48	Geraniaceae		1
	Sub-total:	10	
Other pollen:			
57	unknowns		5
	Sub-total:	5	
	Total pollen:	231	
Other microfossils:			
59	Nuphar leaf hairs		1
60	Botryococcus		4
65	Pediastrum X		2
71	Dryopteris-type		1
Exotic tracers (added to sample):			
58	Eucalyptus (tracer)		62
100	Lycopodium (tracer)		54

Clear Lake, Lake County, California, Core 4
Raw pollen count data for sample 1210

Sample depth = 115.070 meters
Sample volume = 2.19 cubic centimeters
Sample dry weight = 4.289 grams

Variable number	Variable name		Count	Tracer sub-counts
Arboreal pollen:				
1	Pinus		137	
2	Abies		4	
3	Picea		2	
4	Pseudotsuga		5	
5	Tsuga (bladders)		1	
6	Tsuga (fringed)		5	
7	TCT		102	
12	Juglans		1	
	Sub-total:	257		
Herbs and shrubs:				
29	High-spine Compositae		1	
32	Artemisia		1	
34	Gramineae		5	
40	Polygonum californicum		1	
43	Caryophyllaceae		1	
103	Portulacaceae		1	
	Sub-total:	10		
Other pollen:				
57	unknowns		4	
	Sub-total:	4		
	Total pollen:	271		
Other microfossils:				
60	Botryococcus		15	
65	Pediastrum X		2	
101	Pediastrum K		1	
Exotic tracers (added to sample):				
58	Eucalyptus (tracer)		92	
100	Lycopodium (tracer)		56	