

DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Pollen Data for a 3-m.y. core record from
Tulelake, Siskiyou County, California

by

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I. Introduction

A sediment core spanning a stratigraphic interval of 334 m was collected in 1983 from a drill site at the western edge of the town of Tulelake, Siskiyou County, California (Figure 1). The core has been analysed in several ways, including analyses for pollen, diatoms, tephra, paleomagnetism, and geochemistry (Adam and others, 1989). This report presents pollen counts for the samples completed as of September, 1989.

II. Site description

The town of Tulelake lies on the reclaimed bed of Tule Lake, which is part of an ancient lacustrine system that included both Tule Lake and Lower Klamath Lake. We located the drill site near the deep (815 m) water well drilled by the town of Tulelake because the driller's log for that well (Hotchkiss, 1968) indicated that a deep sedimentary section was present.

III. Methods

Five holes were drilled using a combination of Pitcher Barrel coring from the surface to a depth of 47.25 m (hole 1), 2.875-inch (73 mm) wireline equipment from the surface to a depth of 234.75 m, and 2.25-inch (57 mm) wireline equipment below 234.75 m (hole 2), and 2.25-inch (57 mm) wireline equipment at selected depths above 77.74 m in order to bridge gaps in recovery for the first two holes (holes 3, 4, and 5). The five holes were drilled within a small area, but only one extended below a depth of 80 m. Drilling stopped at a depth of 334 m when the drill stem became too heavy to lift safely with our equipment.

Pollen samples were removed from the cores both in the field and in subsequent laboratory sampling. Processing was done using standard techniques for Quaternary pollen, including HF digestion, acetylation, dehydration using tertiary butyl alcohol, and mounting in silicone oil. No attempt was made to use tracer pollen grains to determine pollen concentrations, because (1) much of the deeper sediment was rather hard and brittle, and volumetric sampling would have been difficult, and (2) we expected that much of the section would lack the detailed time control that would be needed for such work.

At least 200 fossil pollen grains were counted to estimate the percentages of taxa present. Algae were counted outside the pollen sum. When algae were much more abundant than pollen, the counts for all algae were recorded when the most common algal type reached a count of 100, along with the number of pollen grains recorded up to that point. Estimates of the numbers of the various algae were then calculated using the formula

$$N_{\text{est}} = N_{\text{observed}} \times S_{\text{pollen}}/S_{\text{algae}} ,$$

where N_{est} is the estimated total number of a particular alga that would have been counted if counting had continued until the pollen sum was reached, N_{observed} is the number of that alga counted when the algal counts were recorded, S_{pollen} is the total number of pollen grains counted, and S_{algae} is the number of pollen grains counted at the time the algal counts were recorded. This system produces rather wide confidence limits on the estimates of algal frequencies when algae are abundant, but it also requires counting fewer algae (Adam, 1988).

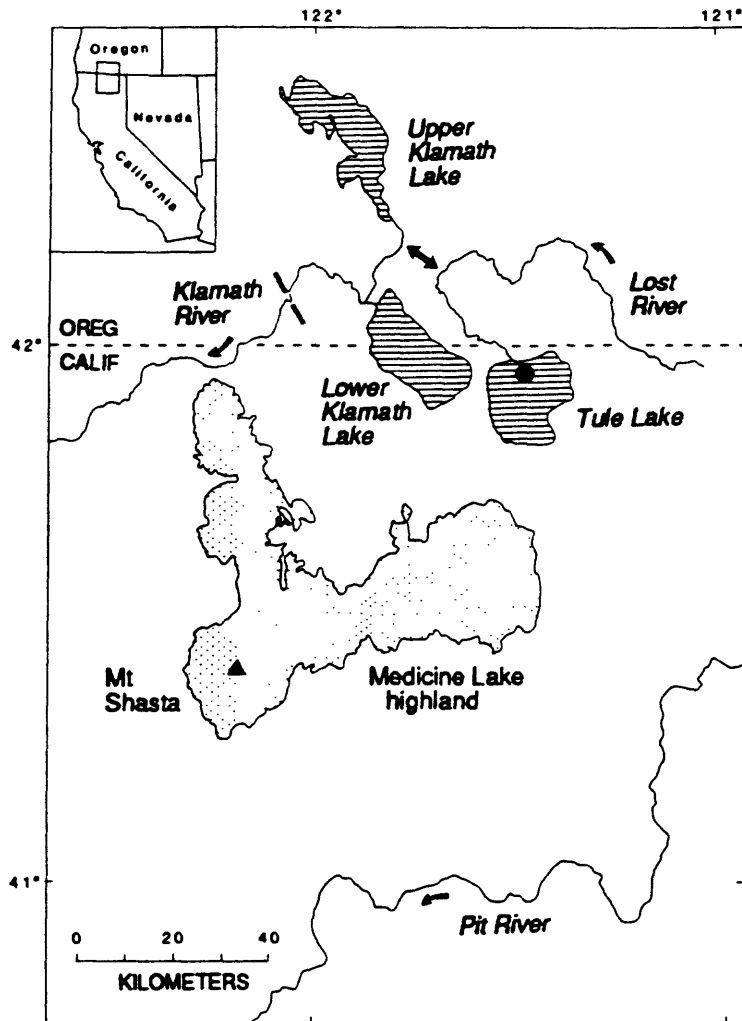


Figure 1.--Location map for the Tulelake core site (solid circle) and vicinity. Hachures indicate historic lakes; double-headed arrow indicates region of bi-directional flow between Lost and Klamath Rivers; dotted line across Klamath River indicates probable location of the sill over which the ancient lake system first spilled into the Klamath drainage. Lightly-shaded region indicates portions of the Medicine Lake Highlands and Mt. Shasta region with elevations in excess of 1525 m (5000 feet). From Adam and others (1989).

IV. Description of variables

The variables counted are listed in Appendix A. Pollen grains were identified using standard reference works and a reference collection of modern pollen grains. Additional information concerning particular types is given below. The variable type numbers are not consecutive because some numbers were assigned to composite groups; only the variables actually counted are discussed here. The rest of this section provides additional information about certain types that require it.

Pinus. *Pinus* (pine) grains were counted either as whole grains (Variable #1) or as halves (#2). The count recorded for Variable #2 is the number of halves, and is divided by 2 when adding whole plus broken pine to get the total pine contribution to the pollen sum. Pine grains of the *Haploxylon* type were recorded when noted, but no attempt was made to classify each pine grain as either *Haploxylon* or *Diploxylon* type. *Haploxylon*-type grains were not common.

TCT. The TCT category (Variable #6) includes pollen grains of the families Taxodiaceae, Cupressaceae, and Taxaceae. Most of the grains found probably represent either *Calocedrus decurrens* (Incense cedar) or *Juniperus occidentalis* (western juniper), but other forms may well be present, including *Cupressus*, *Chamaecyparis*, *Thuja*, and other species of *Juniperus*. Occasional grains of *Sequoia* type (probably true *Sequoia*, but possibly *Sequoiadendron*) were counted separately (Variable #11) when they could be identified by the presence of a papilla, but grains lacking a papilla were included in the TCT group.

Quercus and Quercoids. The genus *Quercus* (true oaks, variable #14) is rather variable in pollen morphology. Some grains do not clearly belong to *Quercus*, but are less unlike *Quercus* than they are unlike other forms. These uncertain forms are counted as "Quercoids" (Variable #15) to permit subsequent evaluation of the reliability of the oak pollen frequencies.

Lithocarpus/Chrysolepis. Pollen grains of *Lithocarpus* (tanbark oak) and *Chrysolepis* (*Castanopsis*) (chinquapin) were lumped together into a single category (Variable #17).

Artemisia and artemisioids. *Artemisia* (sagebrush, Variable #26) and artemisioids (Variable #27) were treated in the same way as the oaks.

Typha. Single grains were classified as *Typha/Sparganium* (cattail or burr-reed, Variable #43), whereas tetrad grains were counted separately (Variable #44).

Clear Lake Unknown A. This form is the same pollen type described at Clear Lake in the California Coast Ranges (Adam, 1988, Figure 9D). The grains are tetracolpate and reticulate, and resemble a small *Fraxinus* (ash) grain.

Tulelake Unknown A. This tricolpate pollen type is about 20 to 23 μm in diameter, with a double wall of uniform thickness and possible microreticulate sculpturing.

Tulelake Unknowns B-E. These types were counted separately, but each occurred only sporadically in only a few samples. They should be grouped with the other Unknowns (Variable #64) for future analyses.

Pediastrum, lettered types. The lettered types of the algal genus *Pediastrum* are those described at Clear Lake (Adam, 1988). Complete descriptions and illustrations may be found in that reference.

V. References cited

- Adam, D.P., 1988, Palynology of two upper Quaternary cores from Clear Lake, Lake County, California: U.S. Geological Survey Professional Paper 1363, 86 p.
- Adam, D.P., Sarna-Wojcicki, A.M., Rieck, H.J., Bradbury, J.P., Dean, W.E., and Forester, R.M., 1989, Tulelake, California: the last 3 million years: Palaeoclimatology, Palaeogeography, Palaeoecology, v. 72, p. 89-103.
- Hotchkiss, W. R., 1968, A geologic and hydrologic reconnaissance of Lava Beds National Monument and vicinity, California: U.S. Geological Survey Open-File Report, 30 p.

Appendix A - List of variables

1	Whole <i>Pinus</i>	53	Malvaceae
2	Broken <i>Pinus</i> (halves)	54	Polemoniaceae
4	<i>Abies</i>	56	<i>Polygonum persicaria</i>
5	<i>Picea</i>	57	Rosaceae
6	TCT	58	Rubiaceae
7	<i>Pseudotsuga</i>	59	Umbelliferae
8	<i>Tsuga</i> (undiff.)	60	Clear Lake Unknown A
9	<i>Tsuga heterophylla</i>	61	Tulelake Unknown A
10	<i>Tsuga mertensiana</i>	62	Tulelake Unknown B
11	<i>Sequoia</i>	63	Unidentifiable
12	<i>Arceuthobium</i>	64	Unknowns
14	<i>Quercus</i>	66	<i>Botryococcus</i>
15	Quercoids	67	<i>Coelastrum</i>
17	<i>Lithocarpus/Chrysolepis</i>	68	<i>Tetraedron</i>
18	<i>Alnus</i>	69	<i>Pediastrum kawrayski</i>
19	<i>Acer</i>	70	<i>Pediastrum</i> , type A
20	<i>Betula</i>	71	<i>Pediastrum</i> , type K
22	<i>Celtis</i>	72	<i>Pediastrum</i> , type N
23	<i>Juglans</i>	73	<i>Pediastrum</i> , type O
24	<i>Salix</i>	74	<i>Pediastrum</i> , type X
25	<i>Tilia</i>	75	<i>Pediastrum</i> , type Y
26	<i>Artemisia</i>	76	Trilete spores
27	Artemisioids	77	<i>Dryopteris</i>
29	<i>Ephedra, nevadensis</i> -type	78	<i>Pediastrum</i> (undiff.)
30	Ericaceae	79	<i>Myriophyllum</i>
31	Rhamnaceae	80	cf. Linaceae
32	<i>Sarcobatus</i>	81	<i>Peridinium</i> cysts
33	High-spine Compositae	82	Onagraceae
34	Low-spine Compositae	83	<i>Thalictrum</i>
35	Liguliflorae	84	<i>Rumex</i>
37	Cheno-Ams	85	<i>Pterocarya</i>
38	Poaceae (Gramineae)	86	Tulelake Unknown C
39	Cyperaceae	87	Tulelake Unknown D
40	<i>Isoetes</i>	88	Tulelake Unknown E
41	<i>Nuphar</i>	89	<i>Corylus</i>
42	<i>Potamogeton</i>	90	<i>Sarcobatus</i> , type A
43	<i>Typha/Sparganium</i>	91	<i>Myrica</i>
44	<i>Typha</i> tetrads	92	<i>Ostrya/Carpinus</i>
45	<i>Polygonum californicum</i>	93	<i>Polygonum amphibium</i>
46	Caryophyllaceae	94	cf. small <i>Tilia</i>
47	Campanulaceae	95	Juglandaceae(?)
48	Cruciferae	96	Ranunculaceae
49	<i>Eriogonum</i>	97	Betulaceae
50	<i>Gilia</i>	98	spherical cysts
51	Labiatae	99	<i>Sagittaria</i>
52	Liliaceae	102	<i>Shepherdia</i>

Appendix B - Pollen Counts

Counts are shown in normal type for variables that are included in the pollen sum and in italics for variables that are excluded from the pollen sum. A dash in the right-hand column for a type excluded from the pollen sum indicates that counting of that type continued until the pollen sum was reached.

Tulelake, Siskiyou County, California

Sample 3028 -- Depth = .03 meters

Core 6, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	115	
Broken <i>Pinus</i> (halves)	176	
TCT	57	
<i>Quercus</i>	21	
<i>Alnus</i>	3	
<i>Artemisia</i>	6	
Artemisioids	1	
Cheno-Ams	27	
<i>Sarcobatus</i>	1	
High-spine Compositae	10	
Low-spine Compositae	1	
Liguliflorae	5	
Poaceae (Gramineae)	28	
Cyperaceae	46	
<i>Potamogeton</i>	3	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	7	
<i>Myriophyllum</i>	3	
<i>Polygonum persicaria</i>	1	
Unidentifiable	16	
Unknowns	2	
<i>Botryococcus</i>	5	—
<i>Pediastrum kawrayski</i>	11	37
<i>Pediastrum</i> , type X	8	37
<i>Pediastrum</i> (undiff.)	<u>100</u>	37
Pollen sum	442.0	

Tulelake, Siskiyou County, California

Sample 3029 -- Depth = .13 meters

Core 6, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	29	
Broken <i>Pinus</i> (halves)	50	
<i>Abies</i>	1	
TCT	27	
<i>Quercus</i>	7	
<i>Artemisia</i>	6	
Cheno-Ams	12	
High-spine Compositae	4	
Low-spine Compositae	1	
Liguliflorae	4	
Poaceae (Gramineae)	5	
Cyperaceae	66	
<i>Potamogeton</i>	2	
<i>Typha</i> tetrads	2	
<i>Myriophyllum</i>	3	
Caryophyllaceae	1	
Umbelliferae	1	
Unidentifiable	17	
Unknowns	1	
<i>Botryococcus</i>	14	—
<i>Pediastrum kawrayski</i>	7	31
<i>Pediastrum</i> , type N	1	31
<i>Pediastrum</i> , type X	7	31
<i>Pediastrum</i> (undiff.)	<u>100</u>	31
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 3030 -- Depth = .23 meters

Core 6, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	37	
Broken <i>Pinus</i> (halves)	74	
TCT	44	
<i>Quercus</i>	17	
<i>Alnus</i>	3	
<i>Polygonum</i> amphibium	1	
<i>Artemisia</i>	6	
Cheno-Ams	19	
<i>Sarcobatus</i>	3	
High-spine Compositae	5	
Poaceae (Gramineae)	4	
Cyperaceae	33	
<i>Typha</i> tetrads	3	
<i>Myriophyllum</i>	2	
Unidentifiable	11	
Unknowns	1	
<i>Botryococcus</i>	18	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	18	21
<i>Pediastrum</i> , type X	19	21
<i>Pediastrum</i> (undiff.)	<u>100</u>	21
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 3031 -- Depth = .33 meters

Core 6, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	28	
Broken <i>Pinus</i> (halves)	100	
TCT	40	
<i>Quercus</i>	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	5	
Cheno-Ams	23	
High-spine Compositae	5	
Low-spine Compositae	2	
Liguliflorae	1	
Poaceae (Gramineae)	8	
Cyperaceae	35	
<i>Potamogeton</i>	1	
<i>Myriophyllum</i>	2	
Unidentifiable	10	
Trilete spores	1	—
<i>Coelastrum</i>	2	—
<i>Pediastrum kawrayski</i>	28	56
<i>Pediastrum</i> , type K	5	56
<i>Pediastrum</i> , type O	1	56
<i>Pediastrum</i> , type X	15	56
<i>Pediastrum</i> (undiff.)	<u>100</u>	56
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 3032 -- Depth = .43 meters

Core 6, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	32	
Broken <i>Pinus</i> (halves)	148	
TCT	34	
<i>Quercus</i>	19	
<i>Alnus</i>	2	
Betulaceae	1	
<i>Artemisia</i>	11	
Cheno-Ams	13	
<i>Sarcobatus</i>	3	
High-spine Compositae	7	
Low-spine Compositae	1	
Poaceae (Gramineae)	10	
Cyperaceae	11	
<i>Typha</i> tetrads	1	
<i>Myriophyllum</i>	3	
Unidentifiable	4	
<i>Botryococcus</i>	8	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	98	87
<i>Pediastrum</i> , type N	3	87
<i>Pediastrum</i> , type X	100	87
<i>Pediastrum</i> (undiff.)	<u>23</u>	87
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 3033 -- Depth = .53 meters

Core 6, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	28	
Broken <i>Pinus</i> (halves)	288	
TCT	41	
<i>Quercus</i>	22	
<i>Alnus</i>	1	
<i>Betula</i>	2	
<i>Artemisia</i>	15	
Cheno-Ams	3	
High-spine Compositae	2	
Poaceae (Gramineae)	12	
Cyperaceae	14	
<i>Typha</i> tetrads	2	
<i>Myriophyllum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	13	145
<i>Coelastrum</i>	2	145
<i>Pediastrum kawrayski</i>	92	145
<i>Pediastrum</i> , type K	2	145
<i>Pediastrum</i> , type N	26	145
<i>Pediastrum</i> , type O	9	145
<i>Pediastrum</i> , type X	100	145
<i>Pediastrum</i> , type Y	3	145
<i>Pediastrum</i> (undiff.)	8	145
Pollen sum	289.0	

Tulelake, Siskiyou County, California

Sample 3034 -- Depth = .63 meters

Core 6, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	87	
Broken <i>Pinus</i> (halves)	144	
<i>Abies</i>	2	
TCT	22	
<i>Quercus</i>	18	
Betulaceae	1	
<i>Artemisia</i>	18	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
Poaceae (Gramineae)	6	
Cyperaceae	19	
<i>Typha</i> tetrads	2	
Unidentifiable	5	
<i>Botryococcus</i>	15	—
<i>Coelastrum</i>	6	—
<i>Pediastrum kawrayski</i>	74	150
<i>Pediastrum</i> , type N	16	150
<i>Pediastrum</i> , type O	11	150
<i>Pediastrum</i> , type X	100	150
<i>Pediastrum</i> , type Y	7	150
<i>Pediastrum</i> (undiff.)	8	150
Pollen sum	256.0	

Tulelake, Siskiyou County, California

Sample 3035 -- Depth = .73 meters

Core 6, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	89	
Broken <i>Pinus</i> (halves)	173	
<i>Abies</i>	2	
TCT	23	
<i>Quercus</i>	17	
<i>Alnus</i>	3	
<i>Artemisia</i>	15	
Cheno-Ams	6	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	5	
Cyperaceae	13	
<i>Typha/Sparganium</i>	1	
<i>Myriophyllum</i>	1	
<i>Polygonum californicum</i>	1	
Unidentifiable	5	
Unknowns	1	
<i>Botryococcus</i>	15	—
<i>Coelastrum</i>	37	—
<i>Pediastrum kawrayski</i>	31	46
<i>Pediastrum</i> , type A	1	46
<i>Pediastrum</i> , type K	18	46
<i>Pediastrum</i> , type N	11	46
<i>Pediastrum</i> , type O	15	46
<i>Pediastrum</i> , type X	100	46
<i>Pediastrum</i> , type Y	<u>24</u>	46
Pollen sum	271.5	

Tulelake, Siskiyou County, California

Sample 3036 -- Depth = .83 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	63	
Broken <i>Pinus</i> (halves)	181	
TCT	35	
<i>Quercus</i>	16	
<i>Alnus</i>	3	
<i>Salix</i>	1	
<i>Artemisia</i>	16	
Rhamnaceae	1	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Liguliflorae	1	
Poaceae (Gramineae)	5	
Cyperaceae	17	
<i>Typha</i> tetrads	1	
<i>Myriophyllum</i>	2	
Unidentifiable	1	
Unknowns	1	
<i>Pediastrum kawrayski</i>	66	75
<i>Pediastrum</i> , type A	5	75
<i>Pediastrum</i> , type K	32	75
<i>Pediastrum</i> , type O	22	75
<i>Pediastrum</i> , type X	100	75
<i>Pediastrum</i> , type Y	1	75
<i>Pediastrum</i> (undiff.)	<u>3</u>	75
Pollen sum	260.5	

Tulelake, Siskiyou County, California

Sample 3037 -- Depth = .93 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	82	
Broken <i>Pinus</i> (halves)	140	
TCT	41	
<i>Quercus</i>	19	
<i>Salix</i>	1	
<i>Artemisia</i>	6	
Cheno-Ams	5	
High-spine Compositae	5	
Poaceae (Gramineae)	4	
Cyperaceae	11	
<i>Typha</i> tetrads	2	
<i>Myriophyllum</i>	2	
<i>Botryococcus</i>	11	—
<i>Coelastrum</i>	6	—
<i>Pediastrum kawrayski</i>	6	39
<i>Pediastrum</i> , type A	1	39
<i>Pediastrum</i> , type K	111	39
<i>Pediastrum</i> , type O	55	39
<i>Pediastrum</i> , type X	5	39
<i>Pediastrum</i> , type Y	8	39
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Pollen sum	248.0	

Tulelake, Siskiyou County, California

Sample 1170 -- Depth = 1.02 meters

Core 4, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	66	
Broken <i>Pinus</i> (halves)	33	
<i>Abies</i>	6	
TCT	56	
<i>Pseudotsuga</i>	6	
Quercoids	3	
<i>Juglans</i>	1	
<i>Artemisia</i>	8	
Artemisioids	4	
Cheno-Ams	5	
High-spine Compositae	2	
Liguliflorae	1	
Poaceae (Gramineae)	6	
Cyperaceae	9	
Onagraceae	1	
Unknowns	10	
<i>Botryococcus</i>	12	53
<i>Pediastrum</i> (undiff.)	97	53
Pollen sum	200.5	

Tulelake, Siskiyou County, California

Sample 3039 -- Depth = 1.13 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	41	
Broken <i>Pinus</i> (halves)	155	
TCT	21	
<i>Quercus</i>	9	
<i>Alnus</i>	3	
<i>Artemisia</i>	16	
Cheno-Ams	11	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Cyperaceae	14	
<i>Typha</i> tetrads	4	
Unidentifiable	5	
Trilete spores	1	—
<i>Botryococcus</i>	9	—
<i>Coelastrum</i>	53	—
<i>Pediastrum kawrayski</i>	100	12
<i>Pediastrum</i> , type N	3	12
<i>Pediastrum</i> , type X	65	12
Pollen sum	207.5	

Tulelake, Siskiyou County, California

Sample 3040 -- Depth = 1.23 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	68	
Broken <i>Pinus</i> (halves)	165	
TCT	19	
<i>Quercus</i>	11	
<i>Alnus</i>	2	
<i>Polygonum amphibium</i>	1	
<i>Artemisia</i>	15	
Cheno-Ams	16	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Low-spine Compositae	1	
Liguliflorae	1	
Poaceae (Gramineae)	2	
Cyperaceae	10	
<i>Polygonum persicaria</i>	2	
Umbelliferae	2	
Unidentifiable	2	
Unknowns	1	
Trilete spores	1	—
<i>Botryococcus</i>	6	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	100	24
<i>Pediastrum</i> , type X	51	24
<i>Pediastrum</i> , type Y	<u>1</u>	24
Pollen sum	238.5	

Tulelake, Siskiyou County, California

Sample 3041 -- Depth = 1.33 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	63	
Broken <i>Pinus</i> (halves)	121	
TCT	10	
<i>Arceuthobium</i>	2	
<i>Quercus</i>	9	
<i>Alnus</i>	2	
<i>Betula</i>	1	
Polygonum amphibium	1	
<i>Salix</i>	1	
<i>Artemisia</i>	12	
Cheno-Ams	24	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Low-spine Compositae	2	
Liguliflorae	1	
Poaceae (Gramineae)	1	
Cyperaceae	14	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	1	
Unidentifiable	3	
Unknowns	1	
<i>Botryococcus</i>	13	—
<i>Coelastrum</i>	25	—
<i>Pediastrum kawrayski</i>	102	11
<i>Pediastrum</i> , type N	7	11
<i>Pediastrum</i> , type X	<u>57</u>	<u>11</u>
Pollen sum	213.5	

Tulelake, Siskiyou County, California

Sample 3042 -- Depth = 1.45 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	35	
Broken <i>Pinus</i> (halves)	134	
TCT	18	
<i>Quercus</i>	22	
<i>Betula</i>	1	
<i>Artemisia</i>	14	
Cheno-Ams	38	
<i>Sarcobatus</i>	1	
High-spine Compositae	17	
Low-spine Compositae	2	
Poaceae (Gramineae)	5	
Cyperaceae	17	
<i>Typha</i> tetrads	1	
Unidentifiable	9	
Unknowns	3	
<i>Botryococcus</i>	22	—
<i>Coelastrum</i>	26	—
<i>Pediastrum kawrayski</i>	100	24
<i>Pediastrum</i> , type N	5	24
<i>Pediastrum</i> , type X	72	24
Pollen sum	250.0	

Tulelake, Siskiyou County, California

Sample 1174 -- Depth = 1.54 meters

Core 4, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	142	
Broken <i>Pinus</i> (halves)	66	
TCT	7	
<i>Quercus</i>	8	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Alnus</i>	1	
<i>Corylus</i>	2	
<i>Artemisia</i>	13	
Artemisioids	1	
Cheno-Ams	11	
High-spine Compositae	4	
Poaceae (Gramineae)	3	
Cyperaceae	4	
<i>Typha</i> tetrads	1	
<i>Eriogonum</i>	1	
Unknowns	2	
<i>Botryococcus</i>	3	—
<i>Pediastrum kawrayski</i>	110	27
<i>Pediastrum</i> , type O	5	27
<i>Pediastrum</i> , type X	39	27
<i>Pediastrum</i> , type Y	<u>1</u>	27
Pollen sum	234.0	

Tulelake, Siskiyou County, California

Sample 3044 -- Depth = 1.62 meters

Core 6, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	23	
Broken <i>Pinus</i> (halves)	160	
TCT	41	
<i>Quercus</i>	19	
<i>Alnus</i>	1	
<i>Betula</i>	2	
<i>Artemisia</i>	14	
Cheno-Ams	8	
<i>Sarcobatus</i>	1	
High-spine Compositae	5	
Poaceae (Gramineae)	5	
Cyperaceae	7	
<i>Typha</i> tetrads	2	
<i>Myriophyllum</i>	1	
Umbelliferae	1	
Unidentifiable	7	
Unknowns	1	
<i>Botryococcus</i>	25	149
<i>Coelastrum</i>	100	149
<i>Pediastrum kawrayski</i>	100	6
<i>Pediastrum</i> , type A	1	6
<i>Pediastrum</i> , type N	2	6
<i>Pediastrum</i> , type X	<u>57</u>	6
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 3046 -- Depth = 1.65 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	222	
TCT	22	
<i>Quercus</i>	20	
<i>Lithocarpus/Chrysolepis</i>	1	
Betulaceae	1	
<i>Salix</i>	2	
<i>Artemisia</i>	6	
Cheno-Ams	4	
High-spine Compositae	5	
Poaceae (Gramineae)	7	
Cyperaceae	14	
Unidentifiable	4	
<i>Botryococcus</i>	9	—
<i>Coelastrum</i>	15	—
<i>Pediastrum kawrayski</i>	41	114
<i>Pediastrum</i> , type A	12	114
<i>Pediastrum</i> , type K	100	114
<i>Pediastrum</i> , type N	1	114
<i>Pediastrum</i> , type O	37	114
<i>Pediastrum</i> , type X	44	114
<i>Pediastrum</i> , type Y	6	114
<i>Pediastrum</i> (undiff.)	<u>1</u>	114
Pollen sum	262.0	

Tulelake, Siskiyou County, California

Sample 3047 -- Depth = 1.75 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	24	
Broken <i>Pinus</i> (halves)	187	
TCT	33	
<i>Quercus</i>	13	
<i>Alnus</i>	3	
<i>Artemisia</i>	10	
Cheno-Ams	9	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	16	
<i>Typha</i> tetrads	1	
Unidentifiable	7	
<i>Botryococcus</i>	6	—
<i>Coelastrum</i>	12	—
<i>Pediastrum kawrayski</i>	100	42
<i>Pediastrum</i> , type K	58	42
<i>Pediastrum</i> , type N	5	42
<i>Pediastrum</i> , type O	12	42
<i>Pediastrum</i> , type X	29	42
<i>Pediastrum</i> , type Y	10	42
	<hr/>	
Pollen sum	218.5	

Tulelake, Siskiyou County, California

Sample 3048 -- Depth = 1.85 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	24	
Broken <i>Pinus</i> (halves)	138	
TCT	19	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	22	
<i>Alnus</i>	2	
<i>Artemisia</i>	14	
Cheno-Ams	28	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Cyperaceae	21	
<i>Myriophyllum</i>	1	
Unidentifiable	9	
Unknowns	1	
<i>Botryococcus</i>	10	—
<i>Coelastrum</i>	67	—
<i>Pediastrum kawrayski</i>	100	14
<i>Pediastrum</i> , type A	1	14
<i>Pediastrum</i> , type N	3	14
<i>Pediastrum</i> , type X	75	14
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 3049 -- Depth = 1.95 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	210	
<i>Picea</i>	1	
TCT	12	
<i>Quercus</i>	15	
<i>Artemisia</i>	8	
Cheno-Ams	16	
<i>Sarcobatus</i>	2	
Cyperaceae	11	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	4	—
<i>Coelastrum</i>	9	—
<i>Pediastrum kawrayski</i>	100	25
<i>Pediastrum</i> , type O	2	25
<i>Pediastrum</i> , type X	72	25
<i>Pediastrum</i> , type Y	<u>1</u>	25
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 1166 -- Depth = 2.03 meters

Core 4, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	134	
Broken <i>Pinus</i> (halves)	26	
<i>Abies</i>	2	
TCT	24	
<i>Quercus</i>	13	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	13	
Cheno-Ams	7	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	3	
Cyperaceae	6	
<i>Eriogonum</i>	1	
<i>Botryococcus</i>	3	9
<i>Coelastrum</i>	5	9
<i>Pediastrum kawrayski</i>	109	9
<i>Pediastrum</i> , type A	3	9
<i>Pediastrum</i> , type N	1	9
<i>Pediastrum</i> , type O	5	9
<i>Pediastrum</i> , type X	38	9
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 3051 -- Depth = 2.15 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	30	
Broken <i>Pinus</i> (halves)	268	
TCT	20	
<i>Quercus</i>	16	
<i>Lithocarpus/Chrysolepis</i>	2	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	15	
Cheno-Ams	31	
<i>Sarcobatus</i>	3	
Liguliflorae	1	
Poaceae (Gramineae)	5	
Cyperaceae	13	
<i>Typha</i> tetrads	2	
<i>Myriophyllum</i>	1	
Unidentifiable	4	
<i>Botryococcus</i>	4	—
<i>Coelastrum</i>	10	—
<i>Pediastrum kawrayski</i>	106	15
<i>Pediastrum</i> , type N	5	15
<i>Pediastrum</i> , type X	40	15
	<hr style="width: 100%;"/>	
Pollen sum	279.0	

Tulelake, Siskiyou County, California

Sample 3052 -- Depth = 2.25 meters

Core 1, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	40	
Broken <i>Pinus</i> (halves)	222	
TCT	15	
<i>Quercus</i>	16	
<i>Alnus</i>	2	
<i>Betula</i>	1	
<i>Artemisia</i>	8	
Cheno-Ams	4	
<i>Sarcobatus</i>	2	
Liguliflorae	1	
Poaceae (Gramineae)	5	
Cyperaceae	6	
<i>Typha</i> tetrads	2	
Unidentifiable	1	
<i>Botryococcus</i>	4	—
<i>Coelastrum</i>	4	—
<i>Pediastrum kawrayski</i>	100	12
<i>Pediastrum</i> , type A	3	12
<i>Pediastrum</i> , type K	1	12
<i>Pediastrum</i> , type N	5	12
<i>Pediastrum</i> , type X	35	12
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 1168 -- Depth = 2.31 meters

Core 4, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	13	
Broken <i>Pinus</i> (halves)	20	
TCT	3	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	21	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Alnus</i>	9	
<i>Corylus</i>	1	
Polygonum amphibium	2	
<i>Artemisia</i>	62	
Cheno-Ams	20	
<i>Sarcobatus</i>	2	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	5	
Low-spine Compositae	1	
Liguliflorae	3	
Poaceae (Gramineae)	26	
<i>Typha</i> tetrads	9	
Caryophyllaceae	1	
<i>Eriogonum</i>	1	
Umbelliferae	2	
Unidentifiable	5	
Unknowns	3	
<i>Botryococcus</i>	17	120
<i>Tetraedron</i>	4	120
<i>Pediastrum kawrayski</i>	101	10
<i>Pediastrum</i> , type N	19	10
<i>Pediastrum</i> , type X	88	10
<i>Pediastrum</i> , type Y	2	10
Pollen sum	202.0	

Tulelake, Siskiyou County, California

Sample 2238 -- Depth = 2.44 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	126	
TCT	27	
<i>Quercus</i>	8	
<i>Alnus</i>	1	
Betulaceae	1	
<i>Artemisia</i>	11	
Rhamnaceae	2	
Cheno-Ams	6	
<i>Sarcobatus</i>	2	
High-spine Compositae	3	
Liguliflorae	1	
Poaceae (Gramineae)	5	
Cyperaceae	6	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	2	
Unidentifiable	1	
<i>Botryococcus</i>	27	89
<i>Coelastrum</i>	102	89
<i>Pediastrum kawrayski</i>	107	12
<i>Pediastrum</i> , type A	1	12
<i>Pediastrum</i> , type O	1	12
<i>Pediastrum</i> , type X	<u>66</u>	12
Pollen sum	198.0	

Tulelake, Siskiyou County, California

Sample 2239 -- Depth = 2.56 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	33	
Broken <i>Pinus</i> (halves)	170	
<i>Abies</i>	1	
TCT	31	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	15	
<i>Alnus</i>	2	
<i>Betula</i>	1	
<i>Artemisia</i>	19	
Cheno-Ams	6	
High-spine Compositae	4	
Low-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	17	
<i>Typha/Sparganium</i>	1	
<i>Myriophyllum</i>	1	
Umbelliferae	1	
Unidentifiable	7	
Unknowns	1	
<i>Coelastrum</i>	100	127
<i>Pediastrum kawrayski</i>	120	14
<i>Pediastrum</i> , type A	5	14
<i>Pediastrum</i> , type O	2	14
<i>Pediastrum</i> , type X	80	14
Pollen sum	229.0	

Tulelake, Siskiyou County, California

Sample 2240 -- Depth = 2.71 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	101	
TCT	15	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	16	
<i>Polygonum amphibium</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	11	
Rhamnaceae	2	
Cheno-Ams	21	
High-spine Compositae	1	
Low-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	57	
<i>Potamogeton</i>	1	
<i>Typha</i> tetrads	7	
<i>Myriophyllum</i>	2	
<i>Polygonum persicaria</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	12	—
<i>Coelastrum</i>	28	—
<i>Pediastrum kawrayski</i>	100	13
<i>Pediastrum</i> , type A	4	13
<i>Pediastrum</i> , type N	2	13
<i>Pediastrum</i> , type X	<u>86</u>	13
Pollen sum	247.5	

Tulelake, Siskiyou County, California

Sample 2241 -- Depth = 2.82 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	24	
Broken <i>Pinus</i> (halves)	176	
TCT	16	
<i>Quercus</i>	11	
<i>Alnus</i>	3	
<i>Artemisia</i>	15	
Rhamnaceae	2	
Cheno-Ams	13	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	35	
<i>Typha</i> tetrads	6	
<i>Myriophyllum</i>	1	
Unidentifiable	7	
Trilete spores	1	—
<i>Botryococcus</i>	8	132
<i>Coelastrum</i>	100	132
<i>Pediastrum kawrayski</i>	100	14
<i>Pediastrum</i> , type A	3	14
<i>Pediastrum</i> , type N	3	14
<i>Pediastrum</i> , type X	79	14
<i>Pediastrum</i> , type Y	<u>1</u>	14
Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 2242 -- Depth = 2.93 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	36	
Broken <i>Pinus</i> (halves)	158	
TCT	24	
<i>Quercus</i>	15	
<i>Alnus</i>	1	
<i>Artemisia</i>	6	
Cheno-Ams	12	
<i>Sarcobatus</i>	2	
High-spine Compositae	3	
Poaceae (Gramineae)	10	
Cyperaceae	32	
<i>Typha</i> tetrads	11	
<i>Myriophyllum</i>	1	
Umbelliferae	1	
Unidentifiable	11	
<i>Botryococcus</i>	3	—
<i>Coelastrum</i>	41	—
<i>Pediastrum kawrayski</i>	102	16
<i>Pediastrum</i> , type A	4	16
<i>Pediastrum</i> , type N	4	16
<i>Pediastrum</i> , type X	91	16
<i>Pediastrum</i> , type Y	1	16
<i>Pediastrum</i> (undiff.)	3	16
Pollen sum	244.0	

Tulelake, Siskiyou County, California

Sample 2243 -- Depth = 3.03 meters

Core 1, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	81	
TCT	17	
<i>Quercus</i>	11	
<i>Betula</i>	2	
Betulaceae	1	
<i>Salix</i>	1	
<i>Artemisia</i>	11	
Rhamnaceae	1	
Cheno-Ams	19	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	48	
<i>Typha</i> tetrads	3	
<i>Myriophyllum</i>	5	
Unidentifiable	4	
Unknowns	3	
<i>Botryococcus</i>	6	—
<i>Coelastrum</i>	7	—
<i>Pediastrum kawrayski</i>	103	22
<i>Pediastrum</i> , type A	6	22
<i>Pediastrum</i> , type O	5	22
<i>Pediastrum</i> , type X	69	22
	<hr/>	
Pollen sum	237.5	

Tulelake, Siskiyou County, California

Sample 2747 -- Depth = 3.17 meters

Core 1, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	28	
Broken <i>Pinus</i> (halves)	142	
TCT	29	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	10	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	11	
Cheno-Ams	12	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Low-spine Compositae	1	
Poaceae (Gramineae)	11	
Cyperaceae	39	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	11	
<i>Myriophyllum</i>	1	
Unidentifiable	2	
Unknowns	2	
Trilete spores	1	—
<i>Botryococcus</i>	10	160
<i>Coelastrum</i>	100	160
<i>Pediastrum kawrayski</i>	102	15
<i>Pediastrum</i> , type K	3	15
<i>Pediastrum</i> , type N	7	15
<i>Pediastrum</i> , type X	70	15
Pollen sum	235.0	

Tulelake, Siskiyou County, California

Sample 1368 -- Depth = 3.39 meters

Core 1, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	30	
Broken <i>Pinus</i> (halves)	126	
<i>Abies</i>	1	
TCT	14	
<i>Quercus</i>	11	
<i>Alnus</i>	1	
Betulaceae	2	
<i>Artemisia</i>	14	
Rhamnaceae	6	
Cheno-Ams	18	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Low-spine Compositae	1	
Poaceae (Gramineae)	3	
Cyperaceae	30	
<i>Typha</i> tetrads	10	
<i>Myriophyllum</i>	1	
Unidentifiable	9	
<i>Botryococcus</i>	6	—
<i>Coelastrum</i>	36	—
<i>Pediastrum kawrayski</i>	102	21
<i>Pediastrum</i> , type A	1	21
<i>Pediastrum</i> , type N	4	21
<i>Pediastrum</i> , type O	3	21
<i>Pediastrum</i> , type X	89	21
	<hr/>	
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 2748 -- Depth = 3.59 meters

Core 1, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	81	
Broken <i>Pinus</i> (halves)	88	
TCT	14	
<i>Quercus</i>	8	
<i>Alnus</i>	3	
<i>Polygonum</i> amphibium	2	
<i>Artemisia</i>	8	
Cheno-Ams	15	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Low-spine Compositae	2	
Liguliflorae	1	
Poaceae (Gramineae)	6	
Cyperaceae	18	
<i>Typha</i> tetrads	6	
Unidentifiable	4	
<i>Botryococcus</i>	20	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	104	18
<i>Pediastrum</i> , type N	4	18
<i>Pediastrum</i> , type X	96	18
<i>Pediastrum</i> (undiff.)	<u>22</u>	18
Pollen sum	216.0	

Tulelake, Siskiyou County, California

Sample 2749 -- Depth = 3.77 meters

Core 1, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	56	
Broken <i>Pinus</i> (halves)	114	
TCT	13	
<i>Quercus</i>	12	
<i>Artemisia</i>	14	
Artemisioids	1	
Cheno-Ams	33	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Liguliflorae	2	
Poaceae (Gramineae)	9	
Cyperaceae	13	
<i>Typha</i> tetrads	7	
Umbelliferae	1	
Unidentifiable	10	
<i>Botryococcus</i>	7	—
<i>Pediastrum kawrayski</i>	104	18
<i>Pediastrum</i> , type O	1	18
<i>Pediastrum</i> , type X	55	18
	<hr/>	
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 2281 -- Depth = 4.06 meters

Core 1, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	76	
Broken <i>Pinus</i> (halves)	134	
TCT	16	
<i>Quercus</i>	12	
<i>Alnus</i>	1	
<i>Artemisia</i>	16	
Cheno-Ams	17	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Poaceae (Gramineae)	10	
Cyperaceae	14	
<i>Typha</i> tetrads	7	
Unidentifiable	2	
Unknowns	4	
<i>Botryococcus</i>	19	—
<i>Coelastrum</i>	24	—
<i>Pediastrum kawrayski</i>	103	18
<i>Pediastrum</i> , type N	3	18
<i>Pediastrum</i> , type X	89	18
<i>Pediastrum</i> , type Y	<u>2</u>	18
Pollen sum	246.0	

Tulelake, Siskiyou County, California

Sample 2282 -- Depth = 4.22 meters

Core 1, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	100	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	1	
TCT	13	
<i>Quercus</i>	10	
<i>Polygonum</i> amphibium	1	
<i>Artemisia</i>	19	
<i>Ephedra, nevadensis</i> -type	1	
Cheno-Ams	12	
High-spine Compositae	2	
Poaceae (Gramineae)	12	
Cyperaceae	12	
<i>Typha</i> tetrads	6	
Unidentifiable	3	
Unknowns	1	
<i>Botryococcus</i>	8	99
<i>Coelastrum</i>	100	99
<i>Pediastrum kawrayski</i>	103	13
<i>Pediastrum</i> , type N	10	13
<i>Pediastrum</i> , type O	1	13
<i>Pediastrum</i> , type X	<u>68</u>	13
Pollen sum	249.0	

Tulelake, Siskiyou County, California

Sample 14 -- Depth = 4.31 meters

Core 1, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	105	
Broken <i>Pinus</i> (halves)	49	
<i>Picea</i>	1	
TCT	13	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	2	
Quercoids	11	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	7	
<i>Ephedra, nevadensis</i> -type	1	
Cheno-Ams	5	
Poaceae (Gramineae)	3	
Cyperaceae	8	
<i>Potamogeton</i>	1	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	4	
Tulelake Unknown A	11	
Unknowns	7	
<i>Botryococcus</i>	1	—
<i>Coelastrum</i>	1	—
<i>Pediastrum</i> (undiff.)	<u>100</u>	5
Pollen sum	207.5	

Tulelake, Siskiyou County, California

Sample 2284 -- Depth = 4.47 meters

Core 1, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	39	
Broken <i>Pinus</i> (halves)	122	
TCT	14	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	22	
<i>Alnus</i>	7	
Betulaceae	1	
<i>Salix</i>	1	
<i>Artemisia</i>	36	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Low-spine Compositae	1	
Liguliflorae	1	
Poaceae (Gramineae)	10	
Cyperaceae	7	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	4	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	6	37
<i>Coelastrum</i>	100	37
<i>Pediastrum kawraski</i>	79	3
<i>Pediastrum</i> , type N	11	3
<i>Pediastrum</i> , type O	4	3
<i>Pediastrum</i> , type X	108	3
<i>Pediastrum</i> , type Y	<u>1</u>	3
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 2766 -- Depth = 4.77 meters

Core 1, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	92	
Broken <i>Pinus</i> (halves)	212	
TCT	10	
<i>Quercus</i>	3	
<i>Alnus</i>	2	
<i>Acer</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	13	
Cheno-Ams	2	
High-spine Compositae	2	
Poaceae (Gramineae)	6	
Cyperaceae	6	
<i>Typha</i> tetrads	1	
<i>Myriophyllum</i>	1	
Unidentifiable	4	
<i>Botryococcus</i>	11	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	100	28
<i>Pediastrum</i> , type N	8	28
<i>Pediastrum</i> , type O	23	28
<i>Pediastrum</i> , type X	63	28
<i>Pediastrum</i> , type Y	<u>2</u>	28
Pollen sum	250.0	

Tulelake, Siskiyou County, California

Sample 2769 -- Depth = 4.99 meters

Core 1, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	77	
Broken <i>Pinus</i> (halves)	204	
TCT	2	
<i>Quercus</i>	6	
<i>Alnus</i>	3	
<i>Acer</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	23	
High-spine Compositae	2	
Poaceae (Gramineae)	3	
Cyperaceae	6	
<i>Myriophyllum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	7	—
<i>Coelastrum</i>	100	82
<i>Pediastrum kawrayski</i>	100	5
<i>Pediastrum</i> , type N	10	5
<i>Pediastrum</i> , type X	95	5
<i>Pediastrum</i> , type Y	<u>3</u>	5
Pollen sum	229.0	

Tulelake, Siskiyou County, California

Sample 1139 -- Depth = 5.16 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	128	
Broken <i>Pinus</i> (halves)	52	
<i>Abies</i>	3	
TCT	5	
<i>Quercus</i>	8	
<i>Alnus</i>	3	
<i>Betula</i>	1	
<i>Corylus</i>	2	
<i>Salix</i>	2	
<i>Artemisia</i>	15	
Cheno-Ams	6	
High-spine Compositae	4	
Low-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	6	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	1	
<i>Botryococcus</i>	39	—
<i>Coelastrum</i>	122	136
<i>Pediastrum kawrayski</i>	101	14
<i>Pediastrum</i> , type N	11	14
<i>Pediastrum</i> , type O	9	14
<i>Pediastrum</i> , type X	<u>53</u>	14
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 1142 -- Depth = 5.26 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	138	
Broken <i>Pinus</i> (halves)	72	
<i>Abies</i>	3	
<i>Picea</i>	1	
TCT	1	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	7	
Quercoids	1	
<i>Alnus</i>	2	
<i>Artemisia</i>	14	
Artemisioids	1	
Cheno-Ams	3	
<i>Sarcobatus</i>	2	
High-spine Compositae	4	
Poaceae (Gramineae)	7	
Cyperaceae	6	
<i>Typha</i> tetrads	1	
Cruciferae	1	
Rubiaceae	1	
Unidentifiable	2	
Trilete spores	2	—
<i>Botryococcus</i>	7	—
<i>Coelastrum</i>	104	34
<i>Pediastrum kawrayski</i>	101	14
<i>Pediastrum</i> , type N	5	14
<i>Pediastrum</i> , type O	5	14
<i>Pediastrum</i> , type X	87	14
<i>Pediastrum</i> , type Y	<u>1</u>	14
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 1143 -- Depth = 5.36 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	127	
Broken <i>Pinus</i> (halves)	42	
<i>Abies</i>	2	
TCT	4	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	10	
Quercoids	2	
<i>Alnus</i>	1	
<i>Artemisia</i>	16	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Liguliflorae	1	
Poaceae (Gramineae)	3	
Cyperaceae	6	
<i>Typha/Sparganium</i>	1	
<i>Typha</i> tetrads	1	
<i>Myriophyllum</i>	1	
Unidentifiable	1	
Unknowns	2	
<i>Botryococcus</i>	12	—
<i>Coelastrum</i>	9	—
<i>Pediastrum kawrayski</i>	102	14
<i>Pediastrum</i> , type N	16	14
<i>Pediastrum</i> , type X	77	14
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1144 -- Depth = 5.46 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	108	
Broken <i>Pinus</i> (halves)	64	
TCT	12	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	9	
<i>Lithocarpus/Chrysolepis</i>	2	
<i>Alnus</i>	2	
<i>Artemisia</i>	15	
Cheno-Ams	4	
High-spine Compositae	1	
Poaceae (Gramineae)	12	
Cyperaceae	9	
<i>Typha</i> tetrads	4	
Unidentifiable	1	
Trilete spores	1	—
<i>Botryococcus</i>	12	—
<i>Coelastrum</i>	120	102
<i>Pediastrum kawrayski</i>	106	15
<i>Pediastrum</i> , type N	11	15
<i>Pediastrum</i> , type O	9	15
<i>Pediastrum</i> , type X	92	15
<i>Pediastrum</i> , type Y	3	15
<i>Sagittaria</i>	2	
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 1145 -- Depth = 5.56 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	115	
Broken <i>Pinus</i> (halves)	82	
<i>Abies</i>	1	
TCT	5	
<i>Quercus</i>	7	
<i>Alnus</i>	3	
<i>Corylus</i>	1	
<i>Artemisia</i>	17	
Artemisioids	2	
Cheno-Ams	5	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Low-spine Compositae	1	
Poaceae (Gramineae)	12	
Cyperaceae	7	
<i>Typha</i> tetrads	5	
<i>Botryococcus</i>	26	—
<i>Coelastrum</i>	47	—
<i>Pediastrum kawrayski</i>	104	16
<i>Pediastrum</i> , type O	34	16
<i>Pediastrum</i> , type X	59	16
<i>Pediastrum</i> , type Y	4	16
	<hr style="width: 50px; margin-left: auto; margin-right: 0;"/>	
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1146 -- Depth = 5.66 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	125	
Broken <i>Pinus</i> (halves)	94	
<i>Abies</i>	4	
TCT	1	
<i>Quercus</i>	4	
Quercoids	1	
<i>Betula</i>	1	
<i>Artemisia</i>	16	
Cheno-Ams	2	
Poaceae (Gramineae)	3	
Cyperaceae	1	
<i>Myriophyllum</i>	1	
<i>Botryococcus</i>	9	—
<i>Coelastrum</i>	2	—
<i>Pediastrum kawrayski</i>	90	16
<i>Pediastrum</i> , type N	5	16
<i>Pediastrum</i> , type O	13	16
<i>Pediastrum</i> , type X	103	16
<i>Pediastrum</i> , type Y	7	16
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1147 -- Depth = 5.76 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	Pollen Sum when counting <u>stopped</u>
Whole <i>Pinus</i>	28	
Broken <i>Pinus</i> (halves)	10	
TCT	7	
<i>Tsuga</i> (undiff.)	3	
<i>Artemisia</i>	5	
Artemisioids	1	
Cheno-Ams	40	
<i>Sarcobatus</i>	1	
Low-spine Compositae	115	
Poaceae (Gramineae)	4	
Cyperaceae	22	
Unidentifiable	2	
<i>Botryococcus</i>	2	—
<i>Pediastrum</i> (undiff.)	8	—
	<hr/>	
Pollen sum	233.0	

Tulelake, Siskiyou County, California

Sample 1148 -- Depth = 5.86 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	17	
Broken <i>Pinus</i> (halves)	6	
<i>Alnus</i>	1	
<i>Artemisia</i>	1	
Cheno-Ams	55	
High-spine Compositae	2	
Low-spine Compositae	135	
Poaceae (Gramineae)	4	
Cyperaceae	4	
<i>Botryococcus</i>	10	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	23	—
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 1149 -- Depth = 5.96 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	14	
Broken <i>Pinus</i> (halves)	10	
TCT	8	
<i>Quercus</i>	2	
<i>Artemisia</i>	5	
Artemisioids	1	
Cheno-Ams	87	
High-spine Compositae	5	
Low-spine Compositae	118	
Poaceae (Gramineae)	3	
Cyperaceae	9	
Unidentifiable	5	
<i>Botryococcus</i>	22	—
<i>Pediastrum</i> , type K	7	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	<u>38</u>	—
Pollen sum	262.0	

Tulelake, Siskiyou County, California

Sample 1150 -- Depth = 6.06 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	15	
Broken <i>Pinus</i> (halves)	16	
TCT	2	
<i>Betula</i>	1	
<i>Artemisia</i>	5	
Cheno-Ams	73	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	3	
Low-spine Compositae	117	
Poaceae (Gramineae)	4	
Cyperaceae	6	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	58	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	2	—
<i>Pediastrum</i> (undiff.)	<u>34</u>	—
Pollen sum	240.0	

Tulelake, Siskiyou County, California

Sample 1151 -- Depth = 6.16 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	19	
Broken <i>Pinus</i> (halves)	84	
TCT	8	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	5	
Quercoids	4	
<i>Betula</i>	1	
<i>Artemisia</i>	52	
Artemisioids	14	
Cheno-Ams	22	
<i>Sarcobatus</i>	1	
High-spine Compositae	10	
Low-spine Compositae	28	
Poaceae (Gramineae)	7	
Cyperaceae	3	
<i>Polygonum persicaria</i>	1	
Unidentifiable	13	
Unknowns	7	
<i>Botryococcus</i>	101	111
<i>Pediastrum kawrayski</i>	2	45
<i>Pediastrum</i> , type K	15	45
<i>Pediastrum</i> , type X	5	45
<i>Pediastrum</i> , type Y	3	45
<i>Pediastrum</i> (undiff.)	<u>100</u>	45
Pollen sum	238.0	

Tulelake, Siskiyou County, California

Sample 1154 -- Depth = 6.26 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	41	
Broken <i>Pinus</i> (halves)	93	
TCT	8	
<i>Quercus</i>	6	
Quercoids	2	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	35	
Artemisioids	10	
Cheno-Ams	12	
High-spine Compositae	10	
Low-spine Compositae	8	
Poaceae (Gramineae)	13	
Cyperaceae	2	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	3	
Unidentifiable	6	
Unknowns	4	
<i>Botryococcus</i>	35	71
<i>Pediastrum kawrayski</i>	2	71
<i>Pediastrum</i> , type K	37	71
<i>Pediastrum</i> , type X	30	71
<i>Pediastrum</i> (undiff.)	<u>101</u>	71
Pollen sum	209.5	

Tulelake, Siskiyou County, California

Sample 1427 -- Depth = 6.30 meters

Core 2, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	117	
Broken <i>Pinus</i> (halves)	98	
<i>Abies</i>	1	
TCT	17	
<i>Quercus</i>	8	
Quercoids	1	
<i>Artemisia</i>	24	
Cheno-Ams	1	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
<i>Polygonum persicaria</i>	1	
<i>Botryococcus</i>	2	—
<i>Pediastrum kawrayski</i>	102	12
<i>Pediastrum</i> , type O	4	12
<i>Pediastrum</i> , type X	<u>71</u>	12
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 1140 -- Depth = 6.36 meters

Core 3, Slug 1

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	81	
Broken <i>Pinus</i> (halves)	132	
TCT	7	
<i>Artemisia</i>	41	
Artemisioids	2	
Cheno-Ams	2	
High-spine Compositae	8	
Low-spine Compositae	5	
Poaceae (Gramineae)	3	
<i>Polygonum persicaria</i>	2	
Unidentifiable	3	
<i>Botryococcus</i>	100	68
<i>Pediastrum kawrayski</i>	4	40
<i>Pediastrum</i> , type K	2	40
<i>Pediastrum</i> , type X	24	40
<i>Pediastrum</i> , type Y	3	40
<i>Pediastrum</i> (undiff.)	<u>100</u>	40
Pollen sum	220.0	

Tulelake, Siskiyou County, California

Sample 33 -- Depth = 7.10 meters

Core 1, Slug 11

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	24	
Broken <i>Pinus</i> (halves)	81	
<i>Abies</i>	2	
TCT	51	
<i>Pseudotsuga</i>	2	
<i>Quercus</i>	1	
Quercoids	13	
<i>Artemisia</i>	12	
Artemisioids	13	
Cheno-Ams	10	
High-spine Compositae	9	
Poaceae (Gramineae)	7	
Cyperaceae	6	
<i>Potamogeton</i>	5	
Unknowns	10	
<i>Botryococcus</i>	33	28
<i>Pediastrum</i> (undiff.)	<u>104</u>	28
Pollen sum	205.5	

Tulelake, Siskiyou County, California

Sample 1436 -- Depth = 9.17 meters

Core 2, Slug 3

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	91	
Broken <i>Pinus</i> (halves)	114	
TCT	2	
<i>Quercus</i>	2	
<i>Artemisia</i>	39	
Artemisioids	4	
Cheno-Ams	1	
High-spine Compositae	5	
Low-spine Compositae	3	
Poaceae (Gramineae)	2	
Unidentifiable	6	
<i>Botryococcus</i>	59	—
<i>Pediastrum kawrayski</i>	101	2
<i>Pediastrum</i> , type K	17	2
<i>Pediastrum</i> , type X	24	2
<i>Pediastrum</i> (undiff.)	2	2
	<hr/>	
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 47 -- Depth = 10.25 meters

Core 1, Slug 15

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	126	
Broken <i>Pinus</i> (halves)	58	
TCT	13	
<i>Pseudotsuga</i>	1	
<i>Artemisia</i>	16	
Artemisioids	6	
High-spine Compositae	3	
Poaceae (Gramineae)	5	
Cyperaceae	5	
Tulelake Unknown A	2	
Unidentifiable	1	
Unknowns	4	
<i>Pediastrum kawrayski</i>	43	1
<i>Pediastrum</i> , type K	2	1
<i>Pediastrum</i> , type X	2	1
<i>Pediastrum</i> (undiff.)	<u>60</u>	1
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 185 -- Depth = 11.04 meters

Core 2, Slug 3

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	133	
Broken <i>Pinus</i> (halves)	86	
<i>Abies</i>	1	
TCT	8	
Quercoids	2	
<i>Alnus</i>	2	
<i>Polygonum</i> amphibium	1	
<i>Artemisia</i>	11	
Cheno-Ams	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	1	
Unidentifiable	1	
<i>Botryococcus</i>	15	—
<i>Pediastrum kawrayski</i>	2	40
<i>Pediastrum</i> , type K	100	40
<i>Pediastrum</i> , type X	2	40
<i>Pediastrum</i> , type Y	18	40
<i>Pediastrum</i> (undiff.)	23	40
	<hr/>	
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 1449 -- Depth = 12.28 meters

Core 2, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	104	
Broken <i>Pinus</i> (halves)	102	
<i>Abies</i>	2	
TCT	8	
<i>Quercus</i>	1	
<i>Artemisia</i>	35	
<i>Sarcobatus</i>	1	
High-spine Compositae	5	
Poaceae (Gramineae)	3	
Cyperaceae	1	
<i>Polygonum persicaria</i>	1	
<i>Thalictrum</i>	1	
<i>Botryococcus</i>	94	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	102	41
<i>Pediastrum</i> , type K	43	41
<i>Pediastrum</i> , type O	7	41
<i>Pediastrum</i> , type X	72	41
<i>Pediastrum</i> , type Y	18	41
<i>Pediastrum</i> (undiff.)	4	41
Pollen sum	213.0	

Tulelake, Siskiyou County, California

Sample 1451 -- Depth = 13.46 meters

Core 2, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	88	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	3	
TCT	9	
<i>Quercus</i>	5	
Quercoids	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	56	
Cheno-Ams	11	
<i>Sarcobatus</i>	2	
High-spine Compositae	5	
Low-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	2	
Unknowns	4	
<i>Botryococcus</i>	36	—
<i>Coelastrum</i>	4	—
<i>Pediastrum kawrayski</i>	24	57
<i>Pediastrum</i> , type K	1	57
<i>Pediastrum</i> , type O	1	57
<i>Pediastrum</i> , type X	100	57
<i>Pediastrum</i> , type Y	43	57
<i>Pediastrum</i> (undiff.)	<u>1</u>	57
Pollen sum	248.0	

Tulelake, Siskiyou County, California

Sample 203 -- Depth = 15.01 meters

Core 2, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	67	
Broken <i>Pinus</i> (halves)	88	
<i>Abies</i>	2	
TCT	27	
<i>Pseudotsuga</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	51	
Cheno-Ams	6	
<i>Sarcobatus</i>	2	
High-spine Compositae	8	
Poaceae (Gramineae)	3	
<i>Typha/Sparganium</i>	1	
<i>Myriophyllum</i>	1	
Rubiaceae	1	
Tulelake Unknown A	2	
Tulelake Unknown B	9	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	80	38
<i>Pediastrum kawrayski</i>	100	38
<i>Pediastrum</i> , type K	18	38
<i>Pediastrum</i> , type O	31	38
<i>Pediastrum</i> , type X	24	38
<i>Pediastrum</i> , type Y	84	38
<i>Pediastrum</i> (undiff.)	<u>11</u>	38
Pollen sum	229.0	

Tulelake, Siskiyou County, California

Sample 1459 -- Depth = 16.65 meters

Core 2, Slug 5

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	88	
Broken <i>Pinus</i> (halves)	74	
<i>Abies</i>	2	
TCT	14	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	2	
Quercoids	1	
<i>Artemisia</i>	44	
Cheno-Ams	4	
<i>Sarcobatus</i>	6	
High-spine Compositae	7	
Poaceae (Gramineae)	9	
Caryophyllaceae	1	
Unidentifiable	5	
Unknowns	1	
<i>Botryococcus</i>	14	—
<i>Pediastrum</i> , type K	103	3
<i>Pediastrum</i> , type X	41	3
<i>Pediastrum</i> , type Y	1	3
<i>Pediastrum</i> (undiff.)	<u>13</u>	3
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 65 -- Depth = 17.17 meters

Core 1, Slug 24

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	88	
Broken <i>Pinus</i> (halves)	50	
<i>Abies</i>	4	
TCT	46	
<i>Pseudotsuga</i>	3	
<i>Quercus</i>	6	
Quercoids	2	
<i>Juglans</i>	3	
<i>Artemisia</i>	24	
Artemisioids	6	
Rhamnaceae	1	
Cheno-Ams	2	
<i>Sarcobatus</i>	3	
Poaceae (Gramineae)	4	
Cyperaceae	4	
<i>Typha/Sparganium</i>	3	
Polemoniaceae	1	
Unknowns	6	
<i>Botryococcus</i>	11	8
<i>Pediastrum</i> (undiff.)	<u>110</u>	8
Pollen sum	231.0	

Tulelake, Siskiyou County, California

Sample 188 -- Depth = 18.52 meters

Core 2, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	99	
Broken <i>Pinus</i> (halves)	60	
<i>Abies</i>	3	
TCT	24	
<i>Quercus</i>	7	
<i>Artemisia</i>	32	
Ericaceae	1	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	3	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Botryococcus</i>	1	5
<i>Coelastrum</i>	1	5
<i>Tetraedron</i>	31	5
<i>Pediastrum kawrayski</i>	108	5
<i>Pediastrum</i> , type X	<u>28</u>	5
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 195 -- Depth = 20.54 meters

Core 2, Slug 6

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	119	
Broken <i>Pinus</i> (halves)	90	
TCT	49	
<i>Tsuga</i> (undiff.)	2	
<i>Quercus</i>	2	
<i>Artemisia</i>	15	
Artemisioids	4	
Cheno-Ams	1	
High-spine Compositae	3	
Cyperaceae	3	
<i>Potamogeton</i>	1	
<i>Polygonum californicum</i>	1	
Tulelake Unknown A	5	
Unknowns	10	
<i>Botryococcus</i>	9	12
<i>Coelastrum</i>	14	12
<i>Pediastrum</i> (undiff.)	<u>130</u>	12
Pollen sum	260.0	

Tulelake, Siskiyou County, California

Sample 211 -- Depth = 22.34 meters

Core 2, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	3	
Broken <i>Pinus</i> (halves)	26	
TCT	56	
<i>Quercus</i>	40	
Quercoids	7	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	49	
Artemisioids	9	
Cheno-Ams	2	
<i>Sarcobatus</i>	13	
High-spine Compositae	2	
Low-spine Compositae	2	
Poaceae (Gramineae)	6	
Cyperaceae	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
Unknowns	3	
<i>Pediastrum kawrayski</i>	65	6
<i>Pediastrum</i> , type A	3	6
<i>Pediastrum</i> , type X	102	6
<i>Pediastrum</i> , type Y	<u>1</u>	6
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 1211 -- Depth = 22.96 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	98	
Broken <i>Pinus</i> (halves)	94	
<i>Abies</i>	1	
TCT	14	
<i>Quercus</i>	5	
Quercoids	1	
<i>Artemisia</i>	30	
Cheno-Ams	2	
<i>Sarcobatus</i>	3	
Cyperaceae	1	
<i>Typha/Sparganium</i>	2	
Unidentifiable	2	
<i>Botryococcus</i>	4	—
<i>Pediastrum kawrayski</i>	103	25
<i>Pediastrum</i> , type O	1	25
<i>Pediastrum</i> , type X	85	25
<i>Pediastrum</i> (undiff.)	17	25
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1214 -- Depth = 23.52 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	Pollen Sum when counting <u>stopped</u>
Whole <i>Pinus</i>	126	
Broken <i>Pinus</i> (halves)	78	
<i>Abies</i>	2	
TCT	57	
<i>Pseudotsuga</i>	2	
<i>Quercus</i>	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	7	
Artemisioids	1	
High-spine Compositae	3	
Poaceae (Gramineae)	5	
<i>Typha/Sparganium</i>	2	
Unknowns	2	
<i>Botryococcus</i>	2	20
<i>Pediastrum</i> (undiff.)	<u>100</u>	20
Pollen sum	248.0	

Tulelake, Siskiyou County, California

Sample 1216 -- Depth = 23.76 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	124	
Broken <i>Pinus</i> (halves)	122	
<i>Abies</i>	6	
TCT	16	
<i>Quercus</i>	2	
<i>Artemisia</i>	12	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	5	—
<i>Pediastrum kawrayski</i>	46	109
<i>Pediastrum</i> , type K	1	109
<i>Pediastrum</i> , type O	61	109
<i>Pediastrum</i> , type X	112	109
<i>Pediastrum</i> , type Y	16	109
<i>Pediastrum</i> (undiff.)	<u>3</u>	109
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1218 -- Depth = 23.86 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	141	
Broken <i>Pinus</i> (halves)	122	
<i>Abies</i>	9	
TCT	17	
<i>Quercus</i>	5	
<i>Artemisia</i>	9	
<i>Botryococcus</i>	20	—
<i>Pediastrum kawrayski</i>	36	103
<i>Pediastrum</i> , type O	81	103
<i>Pediastrum</i> , type X	100	103
<i>Pediastrum</i> , type Y	36	103
<i>Pediastrum</i> (undiff.)	5	103
Pollen sum	242.0	

Tulelake, Siskiyou County, California

Sample 1219 -- Depth = 24.11 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
<i>Whole Pinus</i>	121	
<i>Broken Pinus</i> (halves)	36	
<i>Abies</i>	10	
TCT	31	
<i>Quercus</i>	12	
<i>Artemisia</i>	15	
Rhamnaceae	1	
Cheno-Ams	1	
Cyperaceae	6	
<i>Typha</i> tetrads	1	
<i>Polygonum californicum</i>	1	
Unknowns	1	
<i>Pediastrum kawrayski</i>	102	42
<i>Pediastrum</i> , type N	2	42
<i>Pediastrum</i> , type O	36	42
<i>Pediastrum</i> , type X	97	42
<i>Pediastrum</i> , type Y	45	42
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 1221 -- Depth = 24.39 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	72	
Broken <i>Pinus</i> (halves)	42	
TCT	44	
<i>Quercus</i>	28	
<i>Alnus</i>	1	
<i>Artemisia</i>	28	
Artemisioids	4	
Cheno-Ams	3	
<i>Sarcobatus</i>	6	
High-spine Compositae	3	
Low-spine Compositae	2	
Poaceae (Gramineae)	3	
Cyperaceae	6	
<i>Typha/Sparganium</i>	4	
<i>Typha</i> tetrads	1	
Unidentifiable	2	
<i>Botryococcus</i>	29	—
<i>Pediastrum kawrayski</i>	100	7
<i>Pediastrum</i> , type X	100	7
<i>Pediastrum</i> (undiff.)	20	7
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 213 -- Depth = 24.43 meters

Core 2, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	110	
Broken <i>Pinus</i> (halves)	144	
<i>Abies</i>	3	
TCT	7	
<i>Quercus</i>	7	
Quercoids	1	
<i>Alnus</i>	3	
<i>Betula</i>	1	
<i>Artemisia</i>	7	
Low-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Tulelake Unknown D	1	
Unidentifiable	2	
<i>Botryococcus</i>	5	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	105	28
<i>Pediastrum</i> , type A	1	28
<i>Pediastrum</i> , type K	6	28
<i>Pediastrum</i> , type O	10	28
<i>Pediastrum</i> , type X	61	28
<i>Pediastrum</i> , type Y	32	28
	<hr/>	
Pollen sum	219.0	

Tulelake, Siskiyou County, California

Sample 1222 -- Depth = 24.43 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	76	
Broken <i>Pinus</i> (halves)	40	
<i>Abies</i>	3	
TCT	11	
<i>Quercus</i>	19	
Quercoids	6	
<i>Alnus</i>	2	
<i>Corylus</i>	1	
<i>Artemisia</i>	3	
Artemisioids	3	
Cheno-Ams	20	
High-spine Compositae	5	
Poaceae (Gramineae)	2	
Cyperaceae	6	
<i>Typha/Sparganium</i>	25	
Unidentifiable	7	
Unknowns	4	
<i>Botryococcus</i>	42	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	15	24
<i>Pediastrum</i> , type K	1	24
<i>Pediastrum</i> , type O	1	24
<i>Pediastrum</i> , type X	15	24
<i>Pediastrum</i> (undiff.)	<u>100</u>	24
Pollen sum	213.0	

Tulelake, Siskiyou County, California

Sample 1223 -- Depth = 24.50 meters

Core 5, Slug 2

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	2	
Broken <i>Pinus</i> (halves)	50	
TCT	14	
<i>Quercus</i>	46	
Quercoids	19	
<i>Alnus</i>	1	
<i>Corylus</i>	6	
<i>Artemisia</i>	23	
Artemisioids	12	
Cheno-Ams	9	
<i>Sarcobatus</i> , type A	6	
High-spine Compositae	2	
Low-spine Compositae	4	
Liguliflorae	1	
Poaceae (Gramineae)	6	
Cyperaceae	18	
<i>Typha/Sparganium</i>	6	
<i>Typha</i> tetrads	1	
Unidentifiable	16	
<i>Botryococcus</i>	7	24
<i>Pediastrum kawrayski</i>	70	24
<i>Pediastrum</i> , type N	3	24
<i>Pediastrum</i> , type O	7	24
<i>Pediastrum</i> , type X	100	24
<i>Pediastrum</i> , type Y	5	24
<i>Pediastrum</i> (undiff.)	<u>23</u>	24
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 214 -- Depth = 24.56 meters

Core 2, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	111	
Broken <i>Pinus</i> (halves)	70	
<i>Abies</i>	3	
TCT	21	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	19	
High-spine Compositae	6	
Poaceae (Gramineae)	15	
Cyperaceae	3	
<i>Polygonum persicaria</i>	1	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	83	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	35	31
<i>Pediastrum</i> , type K	100	31
<i>Pediastrum</i> , type O	3	31
<i>Pediastrum</i> , type X	46	31
<i>Pediastrum</i> , type Y	4	31
<i>Pediastrum</i> (undiff.)	<u>65</u>	31
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 219 -- Depth = 25.89 meters

Core 2, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	120	
Broken <i>Pinus</i> (halves)	47	
<i>Abies</i>	1	
TCT	20	
Quercoids	1	
<i>Alnus</i>	2	
<i>Artemisia</i>	9	
Artemisioids	8	
Cheno-Ams	1	
Poaceae (Gramineae)	11	
Cyperaceae	6	
<i>Potamogeton</i>	2	
Tulelake Unknown A	4	
Unknowns	4	
<i>Botryococcus</i>	6	28
<i>Pediastrum kawrayski</i>	74	28
<i>Pediastrum</i> , type A	1	28
<i>Pediastrum</i> , type K	75	28
<i>Pediastrum</i> , type X	2	28
<i>Pediastrum</i> (undiff.)	9	28
Pollen sum	212.5	

Tulelake, Siskiyou County, California

Sample 2973 -- Depth = 26.35 meters

Core 2, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	104	
Broken <i>Pinus</i> (halves)	92	
<i>Abies</i>	3	
TCT	10	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	3	
<i>Artemisia</i>	22	
Artemisioids	2	
<i>Sarcobatus</i>	1	
Poaceae (Gramineae)	7	
Cyperaceae	2	
Umbelliferae	1	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	51	—
<i>Pediastrum kawrayski</i>	81	23
<i>Pediastrum</i> , type K	19	23
<i>Pediastrum</i> , type O	13	23
<i>Pediastrum</i> , type X	100	23
<i>Pediastrum</i> (undiff.)	<u>11</u>	23
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 105 -- Depth = 27.46 meters

Core 1, Slug 37

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	139	
Broken <i>Pinus</i> (halves)	64	
<i>Abies</i>	2	
TCT	6	
<i>Quercus</i>	2	
<i>Artemisia</i>	22	
Artemisioids	1	
Cheno-Ams	2	
High-spine Compositae	7	
Poaceae (Gramineae)	7	
Cyperaceae	1	
Caryophyllaceae	1	
Tulelake Unknown A	1	
Unknowns	6	
<i>Botryococcus</i>	1	7
<i>Pediastrum kawrayski</i>	88	7
<i>Pediastrum</i> , type K	12	7
<i>Pediastrum</i> , type O	2	7
<i>Pediastrum</i> , type X	8	7
<i>Pediastrum</i> (undiff.)	7	7
Pollen sum	229.0	

Tulelake, Siskiyou County, California

Sample 2995 -- Depth = 28.45 meters

Core 2, Slug 9

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	32	
Broken <i>Pinus</i> (halves)	252	
TCT	2	
<i>Quercus</i>	2	
<i>Artemisia</i>	57	
High-spine Compositae	5	
Poaceae (Gramineae)	7	
Cyperaceae	1	
<i>Eriogonum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	35	—
<i>Pediastrum kawrayski</i>	102	21
<i>Pediastrum</i> , type K	4	21
<i>Pediastrum</i> , type O	7	21
<i>Pediastrum</i> , type X	33	21
<i>Pediastrum</i> , type Y	<u>1</u>	21
Pollen sum	235.0	

Tulelake, Siskiyou County, California

Sample 226 -- Depth = 30.63 meters

Core 2, Slug 10

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	86	
Broken <i>Pinus</i> (halves)	50	
<i>Abies</i>	2	
TCT	9	
<i>Quercus</i>	2	
Quercoids	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	32	
Artemisioids	11	
High-spine Compositae	6	
Poaceae (Gramineae)	8	
Cyperaceae	3	
<i>Potamogeton</i>	2	
Unidentifiable	1	
Unknowns	10	
<i>Botryococcus</i>	5	25
<i>Tetraedron</i>	83	75
<i>Pediastrum</i> (undiff.)	<u>100</u>	25
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 228 -- Depth = 31.13 meters

Core 2, Slug 10

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	57	
Broken <i>Pinus</i> (halves)	200	
TCT	5	
<i>Quercus</i>	2	
<i>Artemisia</i>	48	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Poaceae (Gramineae)	6	
Cyperaceae	1	
Caryophyllaceae	1	
<i>Thalictrum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	18	—
<i>Tetraedron</i>	25	—
<i>Pediastrum kawrayski</i>	104	35
<i>Pediastrum</i> , type K	20	35
<i>Pediastrum</i> , type O	4	35
<i>Pediastrum</i> , type X	17	35
<i>Pediastrum</i> (undiff.)	<u>12</u>	35
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 1195 -- Depth = 32.66 meters

Core 5, Slug 4

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	48	
Broken <i>Pinus</i> (halves)	145	
<i>Abies</i>	1	
<i>Picea</i>	4	
TCT	11	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	4	
Quercoids	1	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	28	
Artemisioids	1	
Rhamnaceae	1	
Cheno-Ams	1	
High-spine Compositae	6	
Poaceae (Gramineae)	12	
Cyperaceae	5	
<i>Potamogeton</i>	2	
Cruciferae	1	
<i>Polygonum persicaria</i>	2	
<i>Eriogonum</i>	1	
Unidentifiable	5	
Unknowns	8	
<i>Botryococcus</i>	14	54
<i>Pediastrum kawrayski</i>	100	54
<i>Pediastrum</i> , type K	14	54
<i>Pediastrum</i> , type O	6	54
<i>Pediastrum</i> , type X	8	54
<i>Pediastrum</i> (undiff.)	5	54
Pollen sum	217.5	

Tulelake, Siskiyou County, California

Sample 233 -- Depth = 33.93 meters

Core 2, Slug 11

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	75	
Broken <i>Pinus</i> (halves)	178	
<i>Abies</i>	5	
<i>Picea</i>	2	
TCT	9	
<i>Quercus</i>	2	
<i>Alnus</i>	1	
<i>Artemisia</i>	33	
Cheno-Ams	1	
High-spine Compositae	11	
Poaceae (Gramineae)	12	
Cyperaceae	1	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	1	
<i>Eriogonum</i>	2	
Unidentifiable	7	
<i>Botryococcus</i>	18	—
<i>Pediastrum kawrayski</i>	56	102
<i>Pediastrum</i> , type K	4	102
<i>Pediastrum</i> , type X	100	102
<i>Pediastrum</i> (undiff.)	<u>27</u>	102
Pollen sum	252.0	

Tulelake, Siskiyou County, California

Sample 236 -- Depth = 35.43 meters

Core 2, Slug 11

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	95	
Broken <i>Pinus</i> (halves)	112	
TCT	6	
<i>Tsuga heterophylla</i>	1	
<i>Quercus</i>	3	
<i>Artemisia</i>	33	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Poaceae (Gramineae)	4	
Cyperaceae	3	
Unknowns	1	
<i>Botryococcus</i>	4	3
<i>Pediastrum kawrayski</i>	100	3
<i>Pediastrum</i> , type K	7	3
<i>Pediastrum</i> , type O	1	3
<i>Pediastrum</i> , type X	26	3
<i>Pediastrum</i> , type Y	3	3
<i>Pediastrum</i> (undiff.)	2	3
Pollen sum	208.0	

Tulelake, Siskiyou County, California

Sample 140 -- Depth = 35.81 meters

Core 1, Slug 48

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	101	
Broken <i>Pinus</i> (halves)	91	
TCT	3	
<i>Quercus</i>	5	
<i>Juglans</i>	1	
<i>Artemisia</i>	29	
Rhamnaceae	1	
<i>Sarcobatus</i>	2	
High-spine Compositae	7	
Poaceae (Gramineae)	6	
Cyperaceae	3	
Umbelliferae	1	
Unidentifiable	8	
<i>Botryococcus</i>	1	19
<i>Pediastrum kawrayski</i>	101	19
<i>Pediastrum</i> , type K	8	19
<i>Pediastrum</i> , type N	4	19
<i>Pediastrum</i> , type O	13	19
<i>Pediastrum</i> , type X	63	19
<i>Pediastrum</i> , type Y	11	19
<i>Pediastrum</i> (undiff.)	36	19
Pollen sum	212.5	

Tulelake, Siskiyou County, California

Sample 239 -- Depth = 37.81 meters

Core 2, Slug 12

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	113	
Broken <i>Pinus</i> (halves)	100	
<i>Abies</i>	1	
TCT	6	
<i>Quercus</i>	8	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	20	
Artemisioids	2	
Cheno-Ams	1	
High-spine Compositae	3	
Poaceae (Gramineae)	2	
Cyperaceae	3	
Tulelake Unknown A	2	
Unidentifiable	2	
<i>Botryococcus</i>	25	3
<i>Pediastrum kawrayski</i>	59	3
<i>Pediastrum</i> , type K	24	3
<i>Pediastrum</i> , type X	<u>100</u>	3
Pollen sum	215.0	

Tulelake, Siskiyou County, California

Sample 303 -- Depth = 40.93 meters

Core 2, Slug 13

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	126	
<i>Abies</i>	5	
<i>Picea</i>	1	
TCT	10	
<i>Pseudotsuga</i>	2	
<i>Tsuga heterophylla</i>	1	
<i>Tsuga mertensiana</i>	2	
<i>Quercus</i>	5	
Quercoids	2	
<i>Alnus</i>	1	
<i>Artemisia</i>	21	
Artemisioids	4	
Cheno-Ams	3	
<i>Sarcobatus</i>	6	
High-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	7	
<i>Potamogeton</i>	2	
Caryophyllaceae	1	
Cruciferae	1	
<i>Rumex</i>	1	
Unidentifiable	5	
Unknowns	11	
<i>Botryococcus</i>	4	13
<i>Pediastrum kawrayski</i>	100	13
<i>Pediastrum</i> , type K	10	13
<i>Pediastrum</i> , type O	8	13
<i>Pediastrum</i> , type X	9	13
<i>Pediastrum</i> , type Y	12	13
<i>Pediastrum</i> (undiff.)	10	13
<i>Peridinium</i> cysts	18	—
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 1479 -- Depth = 41.86 meters

Core 2, Slug 13

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	103	
Broken <i>Pinus</i> (halves)	84	
TCT	6	
<i>Quercus</i>	2	
Quercoids	2	
<i>Artemisia</i>	32	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
<i>Polygonum persicaria</i>	1	
<i>Eriogonum</i>	1	
Malvaceae	1	
Unidentifiable	5	
Unknowns	1	
<i>Botryococcus</i>	7	—
<i>Coelastrum</i>	4	—
<i>Tetraedron</i>	1	—
<i>Pediastrum kawrayski</i>	100	86
<i>Pediastrum</i> , type K	5	86
<i>Pediastrum</i> , type O	2	86
<i>Pediastrum</i> , type X	39	86
<i>Pediastrum</i> (undiff.)	<u>4</u>	86
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 243 -- Depth = 42.88 meters

Core 2, Slug 14

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	78	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	1	
<i>Picea</i>	4	
TCT	19	
<i>Tsuga mertensiana</i>	2	
<i>Quercus</i>	3	
Quercoids	1	
<i>Artemisia</i>	27	
Artemisioids	6	
Cheno-Ams	1	
High-spine Compositae	11	
Poaceae (Gramineae)	6	
Cyperaceae	2	
<i>Isoetes</i>	12	
Caryophyllaceae	1	
Unidentifiable	4	
Unknowns	2	
Trilete spores	1	—
<i>Botryococcus</i>	19	94
<i>Pediastrum kawrayski</i>	100	94
<i>Pediastrum</i> , type K	69	94
<i>Pediastrum</i> , type O	12	94
<i>Pediastrum</i> , type X	6	94
<i>Pediastrum</i> (undiff.)	9	94
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Pollen sum	240.0	

Tulelake, Siskiyou County, California

Sample 1497 -- Depth = 44.02 meters

Core 2, Slug 14

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	52	
Broken <i>Pinus</i> (halves)	78	
<i>Abies</i>	7	
TCT	24	
<i>Quercus</i>	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	77	
Cheno-Ams	1	
High-spine Compositae	12	
Poaceae (Gramineae)	7	
Cyperaceae	1	
<i>Polygonum persicaria</i>	1	
<i>Eriogonum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	2	164
<i>Pediastrum kawrayski</i>	35	164
<i>Pediastrum</i> , type K	101	164
<i>Pediastrum</i> , type X	16	164
<i>Pediastrum</i> (undiff.)	10	164
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 248 -- Depth = 45.03 meters

Core 2, Slug 14

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	70	
Broken <i>Pinus</i> (halves)	64	
<i>Abies</i>	2	
TCT	30	
<i>Quercus</i>	4	
Quercoids	2	
<i>Tilia</i>	1	
<i>Artemisia</i>	32	
Cheno-Ams	1	
<i>Sarcobatus</i>	2	
High-spine Compositae	8	
Poaceae (Gramineae)	16	
<i>Typha/Sparganium</i>	1	
<i>Polygonum persicaria</i>	1	
<i>Eriogonum</i>	1	
cf. Linaceae	1	
Unknowns	2	
<i>Botryococcus</i>	45	—
<i>Pediastrum kawrayski</i>	51	—
<i>Pediastrum</i> , type K	98	—
<i>Pediastrum</i> , type N	4	—
<i>Pediastrum</i> , type X	5	—
<i>Pediastrum</i> (undiff.)	<u>5</u>	—
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1204 -- Depth = 45.08 meters

Core 5, Slug 7

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	82	
Broken <i>Pinus</i> (halves)	46	
<i>Abies</i>	3	
TCT	36	
<i>Quercus</i>	5	
Quercoids	2	
<i>Artemisia</i>	43	
Artemisioids	1	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	6	
Poaceae (Gramineae)	19	
Cyperaceae	3	
<i>Polygonum californicum</i>	1	
<i>Polygonum persicaria</i>	2	
Polemoniaceae	1	
Unidentifiable	6	
<i>Botryococcus</i>	7	—
<i>Pediastrum kawrayski</i>	53	129
<i>Pediastrum</i> , type K	100	129
<i>Pediastrum</i> , type X	9	129
<i>Pediastrum</i> (undiff.)	<u>12</u>	129
Pollen sum	236.0	

Tulelake, Siskiyou County, California

Sample 171 -- Depth = 46.16 meters

Core 1, Slug 62

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	63	
Broken <i>Pinus</i> (halves)	124	
TCT	16	
<i>Arceuthobium</i>	2	
<i>Quercus</i>	6	
<i>Artemisia</i>	50	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Poaceae (Gramineae)	16	
Cyperaceae	1	
Unidentifiable	3	
Unknowns	3	
<i>Botryococcus</i>	26	—
<i>Pediastrum kawrayski</i>	101	74
<i>Pediastrum</i> , type K	19	74
<i>Pediastrum</i> , type O	12	74
<i>Pediastrum</i> , type X	34	74
<i>Pediastrum</i> (undiff.)	26	74
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Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 1505 -- Depth = 47.78 meters

Core 2, Slug 15

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	43	
Broken <i>Pinus</i> (halves)	32	
<i>Abies</i>	3	
TCT	15	
<i>Quercus</i>	4	
<i>Alnus</i>	1	
<i>Artemisia</i>	70	
Artemisioids	7	
Cheno-Ams	3	
<i>Sarcobatus</i>	2	
High-spine Compositae	10	
Poaceae (Gramineae)	25	
Cyperaceae	1	
Caryophyllaceae	2	
<i>Polygonum persicaria</i>	5	
<i>Eriogonum</i>	2	
Umbelliferae	2	
Unidentifiable	7	
Unknowns	4	
<i>Botryococcus</i>	11	—
<i>Tetraedron</i>	40	—
<i>Pediastrum kawrayski</i>	15	—
<i>Pediastrum</i> , type K	22	—
<i>Pediastrum</i> , type X	<u>1</u>	—
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 256 -- Depth = 48.88 meters

Core 2, Slug 16

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	60	
<i>Abies</i>	2	
<i>Picea</i>	2	
TCT	27	
<i>Quercus</i>	6	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	22	
Artemisioids	5	
Cheno-Ams	2	
<i>Sarcobatus</i>	3	
High-spine Compositae	6	
Poaceae (Gramineae)	7	
Cyperaceae	26	
<i>Potamogeton</i>	1	
<i>Typha/Sparganium</i>	3	
<i>Polygonum californicum</i>	1	
<i>Eriogonum</i>	1	
Liliaceae	1	
Unidentifiable	6	
Unknowns	3	
<i>Dryopteris</i>	1	—
<i>Botryococcus</i>	8	53
<i>Pediastrum kawrayski</i>	2	53
<i>Pediastrum</i> , type K	100	53
<i>Pediastrum</i> , type N	4	53
<i>Pediastrum</i> , type O	1	53
<i>Pediastrum</i> , type X	2	53
<i>Pediastrum</i> (undiff.)	5	53
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 259 -- Depth = 49.88 meters

Core 2, Slug 16

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	34	
Broken <i>Pinus</i> (halves)	135	
TCT	19	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	8	
Quercoids	5	
<i>Ostrya/Carpinus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	38	
Artemisioids	1	
Cheno-Ams	5	
<i>Sarcobatus</i>	2	
High-spine Compositae	19	
Poaceae (Gramineae)	12	
<i>Polygonum persicaria</i>	1	
Labiatae	1	
Unidentifiable	5	
<i>Botryococcus</i>	1	—
<i>Pediastrum kawrayski</i>	11	—
<i>Pediastrum</i> , type K	7	—
<i>Pediastrum</i> , type X	11	—
<i>Pediastrum</i> (undiff.)	<u>3</u>	—
Pollen sum	220.5	

Tulelake, Siskiyou County, California

Sample 1235 -- Depth = 50.60 meters

Core 5, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	50	
<i>Abies</i>	1	
TCT	13	
<i>Quercus</i>	2	
Quercoids	2	
<i>Alnus</i>	2	
<i>Juglans</i>	1	
<i>Artemisia</i>	32	
Artemisioids	4	
Cheno-Ams	1	
High-spine Compositae	21	
Liguliflorae	1	
Poaceae (Gramineae)	27	
Cyperaceae	5	
<i>Typha/Sparganium</i>	2	
<i>Polygonum persicaria</i>	3	
<i>Eriogonum</i>	1	
Polemoniaceae	1	
<i>Thalictrum</i>	1	
Tulelake Unknown A	4	
Unidentifiable	5	
Unknowns	8	
<i>Botryococcus</i>	25	—
<i>Pediastrum kawrayski</i>	39	—
<i>Pediastrum</i> , type K	58	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> (undiff.)	5	—
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 1237 -- Depth = 52.30 meters

Core 5, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	101	
Broken <i>Pinus</i> (halves)	52	
TCT	25	
<i>Quercus</i>	14	
Quercoids	3	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	21	
Cheno-Ams	7	
<i>Sarcobatus</i> , type A	3	
High-spine Compositae	7	
Poaceae (Gramineae)	3	
Cyperaceae	4	
<i>Typha/Sparganium</i>	1	
<i>Polygonum californicum</i>	1	
<i>Eriogonum</i>	1	
Labiatae	3	
Unknowns	1	
<i>Pediastrum kawrayski</i>	102	49
<i>Pediastrum</i> , type K	1	49
<i>Pediastrum</i> , type X	12	49
	<hr/>	
Pollen sum	224.0	

Tulelake, Siskiyou County, California

Sample 1238 -- Depth = 53.06 meters

Core 5, Slug 8

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	15	
Broken <i>Pinus</i> (halves)	29	
TCT	37	
<i>Quercus</i>	6	
<i>Artemisia</i>	50	
Cheno-Ams	6	
<i>Sarcobatus</i>	5	
High-spine Compositae	15	
Poaceae (Gramineae)	13	
Cyperaceae	3	
Unidentifiable	95	
Unknowns	1	
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	9	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> (undiff.)	<u>6</u>	—
Pollen sum	260.5	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 271 -- Depth = 55.17 meters	Core 2 , Slug 18
Sample 1424 -- Depth = 58.18 meters	Core 2 , Slug 19
Sample 1299 -- Depth = 58.72 meters	Core 2 , Slug 19
Sample 1296 -- Depth = 59.44 meters	Core 2 , Slug 19
Sample 292 -- Depth = 59.95 meters	Core 2 , Slug 19
Sample 1295 -- Depth = 60.05 meters	Core 2 , Slug 19
Sample 2060 -- Depth = 60.35 meters	Core 5 , Slug 11
Sample 2062 -- Depth = 60.96 meters	Core 5 , Slug 11
Sample 309 -- Depth = 61.51 meters	Core 2 , Slug 20

Tulelake, Siskiyou County, California

Sample 2064 -- Depth = 61.67 meters

Core 5, Slug 11

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	156	
Broken <i>Pinus</i> (halves)	118	
<i>Abies</i>	2	
<i>Artemisia</i>	4	
<i>Pediastrum kawrayski</i>	<u>8</u>	—
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 1493 -- Depth = 64.22 meters

Core 2, Slug 21

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	68	
Broken <i>Pinus</i> (halves)	240	
<i>Abies</i>	3	
TCT	6	
<i>Quercus</i>	6	
Quercoids	2	
<i>Artemisia</i>	10	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
Low-spine Compositae	2	
Poaceae (Gramineae)	1	
Unidentifiable	3	
<i>Botryococcus</i>	7	15
<i>Pediastrum kawrayski</i>	1	15
<i>Pediastrum</i> , type X	100	15
<i>Pediastrum</i> , type Y	16	15
<i>Pediastrum</i> (undiff.)	13	15
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 1317 -- Depth = 65.66 meters

Core 5, Slug 13

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	145	
Broken <i>Pinus</i> (halves)	136	
<i>Abies</i>	1	
<i>Pseudotsuga</i>	1	
<i>Artemisia</i>	3	
Poaceae (Gramineae)	1	
<i>Botryococcus</i>	16	80
<i>Pediastrum kawrayski</i>	100	80
<i>Pediastrum</i> , type K	57	80
<i>Pediastrum</i> , type X	27	80
<i>Pediastrum</i> (undiff.)	<u>6</u>	80
Pollen sum	219.0	

Tulelake, Siskiyou County, California

Sample 1309 -- Depth = 67.55 meters

Core 5, Slug 13

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	88	
Broken <i>Pinus</i> (halves)	86	
TCT	10	
<i>Quercus</i>	3	
Quercoids	1	
<i>Artemisia</i>	10	
Artemisioids	3	
Cheno-Ams	31	
<i>Sarcobatus</i>	6	
High-spine Compositae	5	
Poaceae (Gramineae)	3	
Cyperaceae	1	
<i>Rumex</i>	1	
Tulelake Unknown C	2	
Unknowns	3	
<i>Botryococcus</i>	2	6
<i>Pediastrum kawrayski</i>	101	6
<i>Pediastrum</i> , type X	94	6
<i>Pediastrum</i> (undiff.)	<u>12</u>	6
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 1329 -- Depth = 70.18 meters

Core 5, Slug 14

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	107	
Broken <i>Pinus</i> (halves)	76	
<i>Abies</i>	4	
TCT	30	
<i>Quercus</i>	3	
Quercoids	4	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	13	
Artemisioids	5	
Cheno-Ams	2	
High-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	1	
Tulelake Unknown A	6	
Unidentifiable	2	
<i>Botryococcus</i>	73	—
<i>Pediastrum</i> (undiff.)	<u>100</u>	24
Pollen sum	223.0	

Tulelake, Siskiyou County, California

Sample 1519 -- Depth = 71.84 meters

Core 2, Slug 23

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	77	
Broken <i>Pinus</i> (halves)	123	
<i>Abies</i>	5	
TCT	2	
<i>Quercus</i>	5	
<i>Artemisia</i>	44	
Artemisioids	2	
Cheno-Ams	3	
<i>Sarcobatus</i>	2	
High-spine Compositae	9	
Poaceae (Gramineae)	4	
Caryophyllaceae	3	
<i>Polygonum persicaria</i>	2	
<i>Botryococcus</i>	14	26
<i>Pediastrum kawrayski</i>	100	26
<i>Pediastrum</i> , type K	52	26
<i>Pediastrum</i> , type O	4	26
<i>Pediastrum</i> , type X	56	26
<i>Pediastrum</i> , type Y	17	26
<i>Pediastrum</i> (undiff.)	75	26
Pollen sum	219.5	

Tulelake, Siskiyou County, California

Sample 1521 -- Depth = 72.95 meters

Core 2, Slug 23

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	59	
Broken <i>Pinus</i> (halves)	122	
<i>Abies</i>	2	
TCT	44	
<i>Quercus</i>	8	
Quercoids	1	
<i>Artemisia</i>	32	
Cheno-Ams	2	
Poaceae (Gramineae)	1	
Unidentifiable	1	
<i>Botryococcus</i>	11	—
<i>Pediastrum kawrayski</i>	26	91
<i>Pediastrum</i> , type X	101	91
<i>Pediastrum</i> (undiff.)	<u>8</u>	91
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 1526 -- Depth = 73.76 meters

Core 2, Slug 24

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	144	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	3	
TCT	23	
<i>Quercus</i>	2	
<i>Artemisia</i>	17	
<i>Sarcobatus</i>	1	
<i>Botryococcus</i>	27	—
<i>Pediastrum kawrayski</i>	90	24
<i>Pediastrum</i> , type X	100	24
<i>Pediastrum</i> , type Y	1	24
<i>Pediastrum</i> (undiff.)	19	24
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 1348 -- Depth = 75.78 meters

Core 5, Slug 15

Type	Count	Pollen Sum when counting stopped
Whole <i>Pinus</i>	137	
Broken <i>Pinus</i> (halves)	94	
<i>Abies</i>	1	
TCT	14	
<i>Pseudotsuga</i>	1	
Quercoids	2	
<i>Artemisia</i>	5	
Artemisioids	2	
Cheno-Ams	10	
Poaceae (Gramineae)	2	
Cyperaceae	1	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	9	—
<i>Pediastrum kawrayski</i>	6	—
<i>Pediastrum</i> , type K	14	—
<i>Pediastrum</i> (undiff.)	19	—
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1355 -- Depth = 76.84 meters

Core 5, Slug 15

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	110	
Broken <i>Pinus</i> (halves)	86	
<i>Abies</i>	2	
TCT	29	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	3	
<i>Salix</i>	1	
<i>Artemisia</i>	7	
Artemisioids	3	
Cheno-Ams	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	2	
Unidentifiable	5	
<i>Botryococcus</i>	6	—
<i>Pediastrum kawrayski</i>	23	12
<i>Pediastrum</i> , type X	102	12
<i>Pediastrum</i> (undiff.)	<u>17</u>	12
Pollen sum	209.0	

Tulelake, Siskiyou County, California

Sample 1358 -- Depth = 77.51 meters

Core 5, Slug 15

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	140	
Broken <i>Pinus</i> (halves)	70	
TCT	2	
Quercoids	3	
<i>Artemisia</i>	10	
Artemisioids	8	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
<i>Myriophyllum</i>	1	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	1	
Tulelake Unknown C	2	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	1	4
<i>Pediastrum kawrayski</i>	103	4
<i>Pediastrum</i> , type O	3	4
<i>Pediastrum</i> , type X	6	4
<i>Pediastrum</i> (undiff.)	2	4
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 1531 -- Depth = 79.65 meters

Core 2, Slug 26

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	27	
Broken <i>Pinus</i> (halves)	236	
<i>Abies</i>	3	
TCT	33	
<i>Quercus</i>	5	
<i>Artemisia</i>	28	
Cheno-Ams	2	
<i>Sarcobatus</i>	2	
Cyperaceae	8	
<i>Typha/Sparganium</i>	2	
Labiatae	1	
Unidentifiable	1	
<i>Botryococcus</i>	10	—
<i>Pediastrum kawrayski</i>	14	52
<i>Pediastrum</i> , type X	109	52
<i>Pediastrum</i> (undiff.)	<u>1</u>	52
Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 387 -- Depth = 80.84 meters

Core 2, Slug 26

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	104	
Broken <i>Pinus</i> (halves)	93	
<i>Abies</i>	3	
TCT	27	
<i>Pseudotsuga</i>	4	
<i>Quercus</i>	1	
Quercoids	2	
<i>Artemisia</i>	7	
Artemisioids	8	
Cheno-Ams	1	
High-spine Compositae	2	
Cyperaceae	3	
Unknowns	6	
<i>Botryococcus</i>	16	—
<i>Pediastrum</i> (undiff.)	<u>115</u>	2
Pollen sum	214.5	

Tulelake, Siskiyou County, California

Sample 1535 -- Depth = 81.43 meters

Core 2, Slug 26

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	115	
Broken <i>Pinus</i> (halves)	132	
<i>Abies</i>	4	
TCT	14	
<i>Quercus</i>	3	
Quercoids	1	
<i>Artemisia</i>	14	
Cheno-Ams	1	
<i>Sarcobatus</i>	3	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	3	
<i>Nuphar</i>	3	
<i>Typha/Sparganium</i>	2	
<i>Botryococcus</i>	10	—
<i>Pediastrum kawrayski</i>	52	45
<i>Pediastrum</i> , type K	2	45
<i>Pediastrum</i> , type O	2	45
<i>Pediastrum</i> , type X	103	45
<i>Pediastrum</i> , type Y	1	45
<i>Pediastrum</i> (undiff.)	<u>3</u>	45
Pollen sum	235.0	

Tulelake, Siskiyou County, California

Sample 1539 -- Depth = 82.39 meters

Core 2, Slug 27

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	50	
Broken <i>Pinus</i> (halves)	32	
<i>Abies</i>	4	
<i>Picea</i>	1	
TCT	18	
<i>Quercus</i>	11	
<i>Alnus</i>	1	
<i>Corylus</i>	2	
<i>Artemisia</i>	18	
Artemisioids	1	
Cheno-Ams	19	
<i>Sarcobatus</i>	6	
Poaceae (Gramineae)	1	
Cyperaceae	24	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	30	
<i>Myriophyllum</i>	26	
Unidentifiable	5	
<i>Botryococcus</i>	23	—
<i>Pediastrum kawrayski</i>	7	—
<i>Pediastrum</i> , type X	35	—
<i>Pediastrum</i> (undiff.)	<u>18</u>	—
Pollen sum	234.0	

Tulelake, Siskiyou County, California

Sample 398 -- Depth = 82.55 meters

Core 2, Slug 27

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	1	
Broken <i>Pinus</i> (halves)	17	
TCT	103	
<i>Quercus</i>	10	
<i>Artemisia</i>	13	
Cheno-Ams	23	
High-spine Compositae	2	
Low-spine Compositae	4	
Poaceae (Gramineae)	8	
Cyperaceae	19	
<i>Typha/Sparganium</i>	5	
<i>Myriophyllum</i>	4	
<i>Eriogonum</i>	1	
Unidentifiable	21	
Unknowns	4	
<i>Pediastrum</i> , type X	113	—
<i>Pediastrum</i> (undiff.)	<u>7</u>	—
Pollen sum	226.5	

Tulelake, Siskiyou County, California

Sample 405 -- Depth = 83.23 meters

Core 2, Slug 27

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	91	
Broken <i>Pinus</i> (halves)	176	
<i>Abies</i>	3	
TCT	2	
<i>Artemisia</i>	37	
Cheno-Ams	3	
<i>Sarcobatus</i>	3	
High-spine Compositae	5	
Poaceae (Gramineae)	2	
Unidentifiable	6	
Unknowns	1	
<i>Botryococcus</i>	19	—
<i>Pediastrum kawrayski</i>	26	8
<i>Pediastrum</i> , type X	160	8
<i>Pediastrum</i> , type Y	3	8
<i>Pediastrum</i> (undiff.)	<u>1</u>	8
Pollen sum	241.0	

Tulelake, Siskiyou County, California

Sample 1541 -- Depth = 83.41 meters

Core 2, Slug 27

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	36	
Broken <i>Pinus</i> (halves)	56	
TCT	5	
<i>Quercus</i>	2	
Quercoids	1	
<i>Artemisia</i>	122	
Cheno-Ams	3	
<i>Sarcobatus</i>	7	
High-spine Compositae	11	
Low-spine Compositae	1	
Poaceae (Gramineae)	2	
Unidentifiable	3	
<i>Botryococcus</i>	100	71
<i>Pediastrum</i> , type X	102	4
<i>Pediastrum</i> , type Y	2	4
<i>Pediastrum</i> (undiff.)	<u>7</u>	4
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 413 -- Depth = 85.42 meters

Core 2, Slug 28

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	130	
Broken <i>Pinus</i> (halves)	77	
<i>Abies</i>	2	
TCT	10	
<i>Quercus</i>	2	
Quercoids	3	
<i>Artemisia</i>	27	
Artemisioids	3	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
<i>Typha/Sparganium</i>	1	
<i>Polygonum californicum</i>	1	
Tulelake Unknown A	2	
Unidentifiable	2	
<i>Botryococcus</i>	6	61
<i>Pediastrum kawrayski</i>	8	61
<i>Pediastrum</i> , type X	40	61
<i>Pediastrum</i> (undiff.)	<u>53</u>	61
Pollen sum	226.5	

Tulelake, Siskiyou County, California

Sample 1548 -- Depth = 86.95 meters

Core 2, Slug 28

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	93	
Broken <i>Pinus</i> (halves)	156	
<i>Abies</i>	5	
TCT	23	
<i>Tsuga heterophylla</i>	1	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	7	
cf. small <i>Tilia</i>	1	
<i>Artemisia</i>	17	
High-spine Compositae	1	
Poaceae (Gramineae)	4	
<i>Typha/Sparganium</i>	1	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	2	
Unidentifiable	1	
<i>Coelastrum</i>	4	114
<i>Pediastrum kawrayski</i>	25	114
<i>Pediastrum</i> , type K	2	114
<i>Pediastrum</i> , type X	103	114
<i>Pediastrum</i> , type Y	1	114
<i>Pediastrum</i> (undiff.)	<u>2</u>	114
Pollen sum	236.0	

Tulelake, Siskiyou County, California

Sample 425 -- Depth = 88.56 meters

Core 2, Slug 29

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	78	
Broken <i>Pinus</i> (halves)	130	
<i>Abies</i>	5	
TCT	27	
<i>Quercus</i>	7	
Quercoids	1	
<i>Artemisia</i>	21	
Cheno-Ams	1	
Poaceae (Gramineae)	3	
Cyperaceae	1	
Tulelake Unknown C	1	
Unidentifiable	1	
<i>Botryococcus</i>	30	—
<i>Pediastrum kawrayski</i>	103	45
<i>Pediastrum</i> , type K	11	45
<i>Pediastrum</i> , type O	5	45
<i>Pediastrum</i> , type X	62	45
<i>Pediastrum</i> , type Y	22	45
<i>Pediastrum</i> (undiff.)	<u>39</u>	45
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 1556 -- Depth = 89.47 meters

Core 2, Slug 29

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	24	
Broken <i>Pinus</i> (halves)	204	
TCT	49	
<i>Quercus</i>	12	
<i>Alnus</i>	1	
<i>Juglans</i>	2	
<i>Artemisia</i>	48	
Cheno-Ams	3	
<i>Sarcobatus</i>	6	
High-spine Compositae	1	
Poaceae (Gramineae)	6	
Cyperaceae	1	
<i>Myriophyllum</i>	1	
Unidentifiable	4	
<i>Botryococcus</i>	5	30
<i>Pediastrum kawrayski</i>	7	30
<i>Pediastrum</i> , type K	3	30
<i>Pediastrum</i> , type X	101	30
<i>Pediastrum</i> , type Y	2	30
	<hr/>	
Pollen sum	260.0	

Tulelake, Siskiyou County, California

Sample 437 -- Depth = 90.46 meters

Core 2, Slug 29

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	59	
Broken <i>Pinus</i> (halves)	80	
TCT	41	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	18	
Quercoids	5	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	10	
Artemisioids	4	
Cheno-Ams	3	
High-spine Compositae	2	
Poaceae (Gramineae)	9	
Cyperaceae	2	
<i>Potamogeton</i>	1	
Tulelake Unknown A	5	
Unidentifiable	2	
Unknowns	3	
<i>Botryococcus</i>	18	25
<i>Pediastrum kawrayski</i>	1	25
<i>Pediastrum</i> , type A	1	25
<i>Pediastrum</i> , type K	2	25
<i>Pediastrum</i> , type X	68	25
<i>Pediastrum</i> (undiff.)	<u>50</u>	25
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 442 -- Depth = 92.66 meters	Core 2, Slug 30
Sample 443 -- Depth = 92.96 meters	Core 2, Slug 30
Sample 447 -- Depth = 94.76 meters	Core 2, Slug 31
Sample 449 -- Depth = 95.81 meters	Core 2, Slug 31
Sample 454 -- Depth = 97.61 meters	Core 2, Slug 32

Tulelake, Siskiyou County, California

Sample 1565 -- Depth = 97.84 meters

Core 2, Slug 32

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	72	
Broken <i>Pinus</i> (halves)	114	
<i>Abies</i>	2	
TCT	13	
<i>Tsuga</i> (undiff.)	2	
<i>Quercus</i>	2	
<i>Artemisia</i>	41	
Cheno-Ams	8	
<i>Sarcobatus</i> , type A	7	
High-spine Compositae	2	
Poaceae (Gramineae)	2	
Polemoniaceae	1	
Unidentifiable	6	
<i>Botryococcus</i>	91	—
<i>Pediastrum kawrayski</i>	11	—
<i>Pediastrum</i> , type X	50	—
<i>Pediastrum</i> , type Y	13	—
<i>Pediastrum</i> (undiff.)	27	—
	<hr/>	
Pollen sum	215.0	

Tulelake, Siskiyou County, California

Sample 1567 -- Depth = 98.78 meters

Core 2, Slug 32

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	6	
Broken <i>Pinus</i> (halves)	6	
TCT	37	
<i>Quercus</i>	30	
<i>Juglans</i>	1	
<i>Artemisia</i>	115	
Ericaceae	1	
Cheno-Ams	6	
<i>Sarcobatus</i>	5	
High-spine Compositae	5	
Poaceae (Gramineae)	9	
Unidentifiable	3	
<i>Botryococcus</i>	100	66
<i>Pediastrum</i> , type O	29	66
<i>Pediastrum</i> , type X	105	66
<i>Pediastrum</i> , type Y	50	66
<i>Pediastrum</i> (undiff.)	23	66
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 1569 -- Depth = 99.38 meters

Core 2, Slug 32

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	40	
Broken <i>Pinus</i> (halves)	111	
<i>Abies</i>	1	
TCT	7	
<i>Quercus</i>	3	
<i>Artemisia</i>	69	
Cheno-Ams	7	
<i>Sarcobatus</i>	9	
High-spine Compositae	14	
Low-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	3	
Unidentifiable	2	
<i>Botryococcus</i>	111	187
<i>Pediastrum kawrayski</i>	5	41
<i>Pediastrum</i> , type K	60	41
<i>Pediastrum</i> , type O	6	41
<i>Pediastrum</i> , type X	69	41
<i>Pediastrum</i> , type Y	19	41
<i>Pediastrum</i> (undiff.)	<u>100</u>	41
Pollen sum	216.5	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 461 -- Depth = 100.70 meters

Core 2, Slug 33

Sample 1571 -- Depth = 100.90 meters

Core 2, Slug 33

Sample 464 -- Depth = 101.40 meters

Core 2, Slug 33

Tulelake, Siskiyou County, California

Sample 465 -- Depth = 101.85 meters

Core 2, Slug 33

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	93	
Broken <i>Pinus</i> (halves)	56	
<i>Quercus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	51	
Cheno-Ams	7	
<i>Sarcobatus</i>	17	
High-spine Compositae	2	
Low-spine Compositae	2	
Unidentifiable	2	
<i>Botryococcus</i>	89	—
<i>Pediastrum</i> , type K	7	18
<i>Pediastrum</i> , type O	4	18
<i>Pediastrum</i> , type X	85	18
<i>Pediastrum</i> , type Y	44	18
<i>Pediastrum</i> (undiff.)	<u>100</u>	18
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 1573 -- Depth = 102.70 meters

Core 2, Slug 33

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	102	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	2	
TCT	12	
<i>Quercus</i>	3	
Quercoids	1	
<i>Artemisia</i>	33	
Cheno-Ams	7	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Poaceae (Gramineae)	3	
Unknowns	1	
<i>Botryococcus</i>	13	21
<i>Pediastrum kawrayski</i>	36	21
<i>Pediastrum</i> , type K	8	21
<i>Pediastrum</i> , type O	43	21
<i>Pediastrum</i> , type X	100	21
<i>Pediastrum</i> , type Y	18	21
<i>Pediastrum</i> (undiff.)	<u>32</u>	21
Pollen sum	224.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 469 -- Depth = 102.90 meters

Core 2, Slug 33

Tulelake, Siskiyou County, California

Sample 471 -- Depth = 103.85 meters

Core 2, Slug 34

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	57	
Broken <i>Pinus</i> (halves)	86	
<i>Abies</i>	6	
TCT	14	
<i>Quercus</i>	1	
Quercoids	1	
<i>Salix</i>	1	
<i>Artemisia</i>	58	
Artemisioids	2	
Cheno-Ams	4	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	7	
Poaceae (Gramineae)	4	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
<i>Polygonum californicum</i>	1	
Unidentifiable	3	
<i>Botryococcus</i>	3	6
<i>Pediastrum kawrayski</i>	100	6
<i>Pediastrum</i> , type K	2	6
<i>Pediastrum</i> , type O	16	6
<i>Pediastrum</i> , type X	47	6
<i>Pediastrum</i> , type Y	16	6
<i>Pediastrum</i> (undiff.)	<u>36</u>	6
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 1581 -- Depth = 104.84 meters

Core 2, Slug 34

Type	Count	Pollen Sum when counting stopped
Whole <i>Pinus</i>	97	
Broken <i>Pinus</i> (halves)	99	
<i>Abies</i>	2	
TCT	1	
<i>Quercus</i>	1	
Juglandaceae(?)	3	
<i>Artemisia</i>	46	
Cheno-Ams	2	
High-spine Compositae	1	
Poaceae (Gramineae)	7	
<i>Myriophyllum</i>	2	
Unidentifiable	4	
<i>Botryococcus</i>	28	—
<i>Pediastrum kawrayski</i>	39	8
<i>Pediastrum</i> , type O	61	8
<i>Pediastrum</i> , type X	100	8
<i>Pediastrum</i> , type Y	43	8
<i>Pediastrum</i> (undiff.)	24	8
Pollen sum	215.5	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 477 -- Depth = 105.75 meters

Core 2, Slug 34

Tulelake, Siskiyou County, California

Sample 1587 -- Depth = 105.91 meters

Core 2, Slug 34

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	67	
Broken <i>Pinus</i> (halves)	138	
TCT	4	
<i>Artemisia</i>	30	
Artemisioids	7	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
High-spine Compositae	6	
Liguliflorae	1	
Poaceae (Gramineae)	9	
<i>Polygonum persicaria</i>	1	
Unidentifiable	5	
<i>Pediastrum kawrayski</i>	100	2
<i>Pediastrum</i> , type X	3	2
<i>Pediastrum</i> (undiff.)	<u>33</u>	2
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 479 -- Depth = 106.60 meters

Core 2, Slug 34

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	1	
TCT	6	
<i>Quercus</i>	6	
Quercoids	1	
<i>Artemisia</i>	43	
Artemisioids	3	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
High-spine Compositae	9	
Low-spine Compositae	1	
Poaceae (Gramineae)	9	
Cyperaceae	1	
<i>Eriogonum</i>	1	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	40	—
<i>Pediastrum kawrayski</i>	105	12
<i>Pediastrum</i> , type K	7	12
<i>Pediastrum</i> , type X	3	12
<i>Pediastrum</i> (undiff.)	<u>15</u>	12
Pollen sum	202.0	

Tulelake, Siskiyou County, California

Sample 1594 -- Depth = 108.04 meters

Core 2, Slug 35

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	137	
Broken <i>Pinus</i> (halves)	44	
<i>Abies</i>	3	
TCT	16	
<i>Quercus</i>	6	
<i>Artemisia</i>	41	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Cyperaceae	1	
Unidentifiable	1	
<i>Pediastrum kawrayski</i>	1	38
<i>Pediastrum</i> , type K	21	38
<i>Pediastrum</i> , type O	2	38
<i>Pediastrum</i> , type X	101	38
<i>Pediastrum</i> , type Y	38	38
<i>Pediastrum</i> (undiff.)	<u>4</u>	38
Pollen sum	233.0	

Tulelake, Siskiyou County, California

Sample 492 -- Depth = 109.82 meters

Core 2, Slug 36

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	112	
Broken <i>Pinus</i> (halves)	110	
<i>Abies</i>	1	
TCT	25	
<i>Quercus</i>	3	
<i>Artemisia</i>	10	
Rhamnaceae	1	
<i>Sarcobatus</i>	1	
Cyperaceae	1	
Unidentifiable	3	
<i>Pediastrum</i> , type X	128	5
<i>Pediastrum</i> (undiff.)	<u>4</u>	5
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 1597 -- Depth = 109.87 meters

Core 2, Slug 36

<u>Type</u>	<u>Count</u>	Pollen Sum when counting <u>stopped</u>
Whole <i>Pinus</i>	170	
Broken <i>Pinus</i> (halves)	92	
<i>Abies</i>	1	
TCT	5	
<i>Tsuga heterophylla</i>	2	
<i>Artemisia</i>	7	
<i>Sarcobatus</i>	1	
<i>Botryococcus</i>	13	—
<i>Pediastrum</i> , type X	108	14
<i>Pediastrum</i> (undiff.)	2	14
spherical cysts	<u>100</u>	—
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 1599 -- Depth = 110.34 meters

Core 2, Slug 36

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
<i>Whole Pinus</i>	27	
<i>Broken Pinus (halves)</i>	50	
<i>Abies</i>	4	
TCT	145	
<i>Quercus</i>	8	
Quercoids	2	
<i>Artemisia</i>	18	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Low-spine Compositae	3	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Ranunculaceae	1	
Unknowns	1	
<i>Botryococcus</i>	14	—
<i>Pediastrum, type X</i>	3	—
<i>Pediastrum (undiff.)</i>	2	—
	<hr style="width: 50%; margin-left: auto; margin-right: 0;"/>	
Pollen sum	241.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 497 -- Depth = 110.65 meters	Core 2, Slug 36
Sample 1601 -- Depth = 111.01 meters	Core 2, Slug 36
Sample 1603 -- Depth = 111.71 meters	Core 2, Slug 36
Sample 1606 -- Depth = 113.26 meters	Core 2, Slug 38
Sample 1608 -- Depth = 113.59 meters	Core 2, Slug 38
Sample 510 -- Depth = 115.92 meters	Core 2, Slug 39
Sample 1610 -- Depth = 116.03 meters	Core 2, Slug 39

Tulelake, Siskiyou County, California

Sample 1613 -- Depth = 116.32 meters

Core 2, Slug 39

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	49	
Broken <i>Pinus</i> (halves)	198	
<i>Abies</i>	1	
TCT	9	
<i>Quercus</i>	5	
Quercoids	3	
<i>Artemisia</i>	30	
Artemisioids	4	
Cheno-Ams	3	
High-spine Compositae	1	
Cyperaceae	2	
Unidentifiable	6	
<i>Botryococcus</i>	9	51
<i>Pediastrum kawrayski</i>	106	51
<i>Pediastrum</i> , type K	11	51
<i>Pediastrum</i> , type O	1	51
<i>Pediastrum</i> , type X	55	51
<i>Pediastrum</i> , type Y	3	51
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 1615 -- Depth = 116.75 meters	Core 2, Slug 39
Sample 515 -- Depth = 117.79 meters	Core 2, Slug 40
Sample 1619 -- Depth = 117.81 meters	Core 2, Slug 40
Sample 1621 -- Depth = 117.88 meters	Core 2, Slug 40
Sample 1623 -- Depth = 118.65 meters	Core 2, Slug 40
Sample 519 -- Depth = 119.54 meters	Core 2, Slug 40
Sample 1627 -- Depth = 119.83 meters	Core 2, Slug 40
Sample 523 -- Depth = 120.43 meters	Core 2, Slug 40
Sample 1629 -- Depth = 120.67 meters	Core 2, Slug 40
Sample 525 -- Depth = 121.49 meters	Core 2, Slug 41
Sample 1726 -- Depth = 121.49 meters	Core 2, Slug 41
Sample 1728 -- Depth = 122.54 meters	Core 2, Slug 41

Tulelake, Siskiyou County, California

Sample 529 -- Depth = 124.14 meters

Core 2, Slug 41

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	41	
Broken <i>Pinus</i> (halves)	90	
<i>Abies</i>	4	
TCT	2	
<i>Quercus</i>	7	
Quercoids	4	
<i>Alnus</i>	1	
<i>Artemisia</i>	81	
Artemisioids	3	
Ericaceae	1	
Cheno-Ams	8	
<i>Sarcobatus</i>	1	
High-spine Compositae	7	
Poaceae (Gramineae)	3	
Caryophyllaceae	1	
Unidentifiable	6	
<i>Botryococcus</i>	105	32
<i>Pediastrum</i> , type K	4	32
<i>Pediastrum</i> (undiff.)	<u>1</u>	32
Pollen sum	215.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 535 -- Depth = 125.49 meters

Core 2, Slug 42

Tulelake, Siskiyou County, California

Sample 545 -- Depth = 126.36 meters

Core 2, Slug 42

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	133	
Broken <i>Pinus</i> (halves)	115	
TCT	42	
<i>Quercus</i>	2	
<i>Artemisia</i>	6	
Cheno-Ams	2	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
Cyperaceae	5	
<i>Botryococcus</i>	4	—
<i>Pediastrum kawrayski</i>	2	—
<i>Pediastrum</i> , type K	22	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>6</u>	—
Pollen sum	251.5	

Tulelake, Siskiyou County, California

Sample 551 -- Depth = 128.18 meters

Core 2, Slug 43

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	114	
Broken <i>Pinus</i> (halves)	100	
<i>Abies</i>	3	
TCT	37	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	2	
Quercoids	1	
<i>Artemisia</i>	8	
<i>Sarcobatus</i> , type A	1	
<i>Polygonum persicaria</i>	1	
Unknowns	1	
<i>Botryococcus</i>	23	---
<i>Pediastrum</i> , type K	20	---
<i>Pediastrum</i> (undiff.)	<u>6</u>	---
Pollen sum	219.0	

Tulelake, Siskiyou County, California

Sample 1722 -- Depth = 129.88 meters

Core 2, Slug 43

Type	Count	Pollen Sum when counting stopped
Whole <i>Pinus</i>	42	
Broken <i>Pinus</i> (halves)	90	
<i>Abies</i>	6	
TCT	72	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	12	
<i>Juglans</i>	2	
<i>Myrica</i>	1	
<i>Artemisia</i>	25	
Poaceae (Gramineae)	1	
Unidentifiable	3	
Unknowns	3	
<i>Botryococcus</i>	42	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	15	132
<i>Pediastrum</i> , type N	8	132
<i>Pediastrum</i> , type X	78	132
<i>Pediastrum</i> , type Y	3	132
<i>Pediastrum</i> (undiff.)	<u>100</u>	132
Pollen sum	213.0	

Tulelake, Siskiyou County, California

Sample 557 -- Depth = 130.19 meters

Core 2, Slug 43

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	76	
Broken <i>Pinus</i> (halves)	174	
<i>Abies</i>	5	
TCT	40	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	10	
Quercoids	1	
<i>Artemisia</i>	20	
Rhamnaceae	4	
Poaceae (Gramineae)	2	
<i>Typha/Sparganium</i>	1	
Cruciferae	1	
Tulelake Unknown A	2	
Unknowns	2	
Trilete spores	1	—
<i>Botryococcus</i>	51	—
<i>Pediastrum</i> (undiff.)	<u>101</u>	51
Pollen sum	252.0	

Tulelake, Siskiyou County, California

Sample 1724 -- Depth = 130.93 meters

Core 2, Slug 43

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	50	
Broken <i>Pinus</i> (halves)	170	
<i>Abies</i>	4	
TCT	21	
<i>Tsuga heterophylla</i>	2	
<i>Quercus</i>	7	
<i>Artemisia</i>	31	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Nuphar</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	40	—
<i>Pediastrum kawrayski</i>	76	—
<i>Pediastrum</i> , type K	12	—
<i>Pediastrum</i> , type O	4	—
<i>Pediastrum</i> , type X	55	—
<i>Pediastrum</i> , type Y	8	—
<i>Pediastrum</i> (undiff.)	78	—
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 561 -- Depth = 131.31 meters

Core 2, Slug 44

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	79	
Broken <i>Pinus</i> (halves)	118	
<i>Abies</i>	3	
TCT	8	
<i>Quercus</i>	3	
Quercoids	1	
<i>Celtis</i>	1	
<i>Artemisia</i>	43	
Artemisioids	1	
Cheno-Ams	1	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	3	
Poaceae (Gramineae)	2	
Unidentifiable	2	
<i>Botryococcus</i>	9	116
<i>Pediastrum kawrayski</i>	14	116
<i>Pediastrum</i> , type K	50	116
<i>Pediastrum</i> , type X	3	116
<i>Pediastrum</i> , type Y	16	116
<i>Pediastrum</i> (undiff.)	<u>102</u>	116
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 563 -- Depth = 132.14 meters

Core 2, Slug 44

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	81	
Broken <i>Pinus</i> (halves)	96	
<i>Abies</i>	2	
TCT	20	
<i>Quercus</i>	3	
Quercoids	3	
<i>Alnus</i>	1	
<i>Artemisia</i>	33	
Cheno-Ams	2	
High-spine Compositae	3	
Poaceae (Gramineae)	4	
Cyperaceae	1	
Umbelliferae	1	
Tulelake Unknown D	1	
Unidentifiable	3	
<i>Botryococcus</i>	38	119
<i>Pediastrum kawrayski</i>	4	119
<i>Pediastrum</i> , type K	100	119
<i>Pediastrum</i> , type X	4	119
<i>Pediastrum</i> , type Y	16	119
<i>Pediastrum</i> (undiff.)	<u>17</u>	119
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1381 -- Depth = 132.66 meters

Core 2, Slug 44

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	75	
Broken <i>Pinus</i> (halves)	106	
<i>Abies</i>	1	
TCT	28	
<i>Quercus</i>	3	
<i>Salix</i>	1	
<i>Artemisia</i>	27	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	5	
Low-spine Compositae	1	
Poaceae (Gramineae)	12	
Cyperaceae	3	
<i>Myriophyllum</i>	1	
Unidentifiable	6	
Unknowns	3	
<i>Botryococcus</i>	47	—
<i>Pediastrum</i> , type K	100	38
<i>Pediastrum</i> (undiff.)	<u>5</u>	38
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 570 -- Depth = 133.19 meters

Core 2, Slug 44

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	68	
Broken <i>Pinus</i> (halves)	114	
<i>Abies</i>	1	
TCT	30	
<i>Quercus</i>	5	
Quercoids	1	
<i>Artemisia</i>	35	
Cheno-Ams	4	
Caryophyllaceae	1	
<i>Eriogonum</i>	1	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	10	—
<i>Pediastrum kawrayski</i>	2	85
<i>Pediastrum</i> , type K	104	85
<i>Pediastrum</i> , type X	2	85
<i>Pediastrum</i> , type Y	5	85
<i>Pediastrum</i> (undiff.)	<u>1</u>	85
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 574 -- Depth = 134.24 meters

Core 2, Slug 45

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	119	
Broken <i>Pinus</i> (halves)	94	
TCT	26	
<i>Quercus</i>	3	
Quercoids	2	
<i>Artemisia</i>	8	
Artemisioids	2	
Rhamnaceae	2	
Cheno-Ams	1	
High-spine Compositae	5	
Poaceae (Gramineae)	5	
Cyperaceae	4	
Unknowns	2	
<i>Botryococcus</i>	18	147
<i>Coelastrum</i>	2	147
<i>Pediastrum kawrayski</i>	25	147
<i>Pediastrum</i> , type K	101	147
<i>Pediastrum</i> , type X	11	147
<i>Pediastrum</i> , type Y	1	147
<i>Pediastrum</i> (undiff.)	<u>15</u>	147
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 1662 -- Depth = 134.44 meters

Core 2, Slug 45

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	59	
Broken <i>Pinus</i> (halves)	134	
TCT	46	
<i>Quercus</i>	2	
<i>Salix</i>	1	
<i>Artemisia</i>	26	
<i>Ephedra, nevadensis</i> -type	1	
Poaceae (Gramineae)	7	
Cyperaceae	4	
Unidentifiable	5	
<i>Botryococcus</i>	25	—
<i>Pediastrum kawrayski</i>	13	154
<i>Pediastrum</i> , type K	97	154
<i>Pediastrum</i> , type X	10	154
<i>Pediastrum</i> (undiff.)	<u>100</u>	154
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Pollen absent or too sparse to count:

Sample 578 -- Depth = 135.09 meters

Core 2, Slug 45

Tulelake, Siskiyou County, California

Sample 1664 -- Depth = 135.86 meters

Core 2, Slug 45

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	35	
Broken <i>Pinus</i> (halves)	144	
TCT	31	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	43	
Cheno-Ams	2	
High-spine Compositae	4	
Poaceae (Gramineae)	5	
Cyperaceae	1	
Tulelake Unknown E	1	
Unidentifiable	7	
<i>Botryococcus</i>	23	—
<i>Pediastrum kawrayski</i>	4	—
<i>Pediastrum</i> , type K	71	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> , type Y	2	—
<i>Pediastrum</i> (undiff.)	<u>28</u>	—
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 580 -- Depth = 136.24 meters

Core 2, Slug 45

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	119	
Broken <i>Pinus</i> (halves)	124	
<i>Abies</i>	1	
TCT	29	
<i>Quercus</i>	3	
<i>Salix</i>	2	
<i>Artemisia</i>	21	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Cyperaceae	1	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	7	—
<i>Pediastrum kawrayski</i>	3	—
<i>Pediastrum</i> , type K	57	—
<i>Pediastrum</i> , type X	10	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>30</u>	—
Pollen sum	244.0	

Tulelake, Siskiyou County, California

Sample 1666 -- Depth = 136.88 meters

Core 2, Slug 45

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	66	
Broken <i>Pinus</i> (halves)	86	
TCT	45	
<i>Quercus</i>	6	
<i>Artemisia</i>	22	
Cheno-Ams	4	
High-spine Compositae	2	
Poaceae (Gramineae)	13	
Cyperaceae	5	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	1	
Umbelliferae	1	
Unidentifiable	8	
Unknowns	5	
<i>Botryococcus</i>	16	—
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	72	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	6	—
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 586 -- Depth = 137.29 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	61	
Broken <i>Pinus</i> (halves)	40	
<i>Abies</i>	6	
TCT	103	
<i>Quercus</i>	2	
<i>Artemisia</i>	30	
Artemisioids	2	
Cheno-Ams	2	
<i>Sarcobatus</i>	2	
High-spine Compositae	4	
Cyperaceae	1	
Unidentifiable	2	
<i>Botryococcus</i>	23	—
<i>Pediastrum</i> , type K	16	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>21</u>	—
Pollen sum	235.0	

Tulelake, Siskiyou County, California

Sample 1770 -- Depth = 137.60 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	12	
Broken <i>Pinus</i> (halves)	64	
<i>Abies</i>	3	
TCT	118	
<i>Quercus</i>	7	
<i>Betula</i>	2	
<i>Salix</i>	1	
<i>Artemisia</i>	29	
Cheno-Ams	2	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	47	—
<i>Pediastrum</i> , type K	14	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	<u>42</u>	—
Pollen sum	213.0	

Tulelake, Siskiyou County, California

Sample 1772 -- Depth = 137.90 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	47	
Broken <i>Pinus</i> (halves)	74	
<i>Abies</i>	1	
TCT	74	
<i>Quercus</i>	8	
Quercoids	3	
<i>Artemisia</i>	40	
Cheno-Ams	1	
Low-spine Compositae	2	
Unidentifiable	2	
Unknowns	3	
<i>Botryococcus</i>	29	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	6	—
<i>Pediastrum</i> , type K	5	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> (undiff.)	4	—
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 1774 -- Depth = 138.33 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	15	
Broken <i>Pinus</i> (halves)	76	
<i>Abies</i>	4	
TCT	96	
<i>Quercus</i>	13	
<i>Artemisia</i>	28	
Cheno-Ams	4	
Low-spine Compositae	1	
Poaceae (Gramineae)	3	
Cyperaceae	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	6	
Unknowns	3	
<i>Botryococcus</i>	29	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	9	—
<i>Pediastrum</i> , type K	9	—
<i>Pediastrum</i> , type X	13	—
<i>Pediastrum</i> (undiff.)	45	—
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 592 -- Depth = 138.99 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	29	
Broken <i>Pinus</i> (halves)	68	
<i>Abies</i>	5	
<i>Picea</i>	2	
TCT	77	
<i>Tsuga heterophylla</i>	1	
<i>Quercus</i>	20	
<i>Alnus</i>	4	
<i>Corylus</i>	1	
<i>Artemisia</i>	29	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	4	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	86	—
<i>Coelastrum</i>	1	—
<i>Pediastrum</i> , type X	15	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>77</u>	—
Pollen sum	211.0	

Tulelake, Siskiyou County, California

Sample 593 -- Depth = 139.29 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	49	
Broken <i>Pinus</i> (halves)	108	
<i>Abies</i>	4	
TCT	51	
<i>Quercus</i>	8	
<i>Alnus</i>	1	
<i>Artemisia</i>	36	
Poaceae (Gramineae)	1	
Unidentifiable	8	
Unknowns	5	
<i>Botryococcus</i>	79	—
<i>Pediastrum kawrayski</i>	18	11
<i>Pediastrum</i> , type X	99	11
<i>Pediastrum</i> , type Y	3	11
<i>Pediastrum</i> (undiff.)	<u>100</u>	11
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 595 -- Depth = 139.56 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	54	
Broken <i>Pinus</i> (halves)	148	
<i>Abies</i>	7	
TCT	60	
<i>Quercus</i>	10	
<i>Artemisia</i>	20	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	55	—
<i>Pediastrum</i> , type K	16	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	8	—
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Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 1778 -- Depth = 140.09 meters

Core 2, Slug 46

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	22	
Broken <i>Pinus</i> (halves)	80	
<i>Abies</i>	1	
TCT	127	
<i>Quercus</i>	11	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	10	
Artemisioids	1	
High-spine Compositae	3	
Low-spine Compositae	1	
Rubiaceae	1	
Unidentifiable	5	
<i>Botryococcus</i>	58	—
<i>Pediastrum</i> , type K	2	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> , type X	6	—
<i>Pediastrum</i> (undiff.)	<u>17</u>	—
Pollen sum	224.0	

Tulelake, Siskiyou County, California

Sample 601 -- Depth = 140.47 meters

Core 2, Slug 47

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	41	
Broken <i>Pinus</i> (halves)	64	
TCT	108	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	9	
<i>Artemisia</i>	12	
Cheno-Ams	3	
High-spine Compositae	2	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Typha/Sparganium</i>	3	
Tulelake Unknown A	1	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	59	—
<i>Pediastrum kawrayski</i>	21	—
<i>Pediastrum</i> , type A	6	—
<i>Pediastrum</i> , type K	14	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	16	—
<i>Pediastrum</i> , type Y	5	—
<i>Pediastrum</i> (undiff.)	<u>5</u>	—
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 607 -- Depth = 142.54 meters

Core 2, Slug 47

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	76	
Broken <i>Pinus</i> (halves)	76	
TCT	28	
<i>Quercus</i>	12	
Quercoids	4	
<i>Alnus</i>	2	
<i>Betula</i>	1	
<i>Artemisia</i>	37	
Artemisioids	5	
Cheno-Ams	1	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	19	—
<i>Pediastrum kawrayski</i>	18	—
<i>Pediastrum</i> , type K	38	—
<i>Pediastrum</i> , type X	55	—
<i>Pediastrum</i> , type Y	2	—
<i>Pediastrum</i> (undiff.)	55	—
	<hr/>	
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 603 -- Depth = 141.39 meters

Core 2, Slug 47

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	27	
Broken <i>Pinus</i> (halves)	116	
<i>Abies</i>	1	
TCT	66	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	23	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	29	
High-spine Compositae	1	
Low-spine Compositae	2	
Poaceae (Gramineae)	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	3	
Unknowns	3	
<i>Botryococcus</i>	110	—
<i>Coelastrum</i>	12	—
<i>Pediastrum kawrayski</i>	73	—
<i>Pediastrum</i> , type K	1	—
<i>Pediastrum</i> , type O	4	—
<i>Pediastrum</i> , type X	68	—
<i>Pediastrum</i> , type Y	18	—
<i>Pediastrum</i> (undiff.)	38	—
Pollen sum	219.0	

Tulelake, Siskiyou County, California

Sample 614 -- Depth = 145.89 meters

Core 2, Slug 48

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	152	
Broken <i>Pinus</i> (halves)	92	
<i>Abies</i>	3	
TCT	17	
<i>Quercus</i>	1	
<i>Artemisia</i>	8	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	3	
<i>Botryococcus</i>	4	—
<i>Pediastrum kawrayski</i>	6	—
<i>Pediastrum</i> , type K	6	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	18	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>8</u>	—
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 620 -- Depth = 148.59 meters

Core 2, Slug 49

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	62	
<i>Abies</i>	2	
TCT	77	
<i>Quercus</i>	5	
Quercoids	2	
<i>Artemisia</i>	18	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
Poaceae (Gramineae)	1	
Unidentifiable	3	
<i>Botryococcus</i>	22	—
<i>Coelastrum</i>	4	—
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	55	—
<i>Pediastrum</i> , type N	7	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	10	—
<i>Pediastrum</i> (undiff.)	45	—
Pollen sum	199.0	

Tulelake, Siskiyou County, California

Sample 628 -- Depth = 150.69 meters

Core 2, Slug 50

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	60	
Broken <i>Pinus</i> (halves)	44	
<i>Abies</i>	3	
TCT	76	
<i>Quercus</i>	11	
Quercoids	5	
<i>Artemisia</i>	24	
Artemisioids	4	
Cheno-Ams	4	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Campanulaceae	1	
Tulelake Unknown A	4	
Unidentifiable	2	
Unknowns	5	
<i>Botryococcus</i>	21	39
<i>Pediastrum</i> , type O	6	39
<i>Pediastrum</i> , type X	17	39
<i>Pediastrum</i> , type Y	6	39
<i>Pediastrum</i> (undiff.)	<u>90</u>	39
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 630 -- Depth = 151.69 meters

Core 2, Slug 50

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	44	
Broken <i>Pinus</i> (halves)	63	
<i>Abies</i>	4	
TCT	58	
<i>Quercus</i>	20	
Quercoids	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	37	
Cheno-Ams	1	
High-spine Compositae	2	
Low-spine Compositae	4	
Unidentifiable	6	
Unknowns	3	
<i>Botryococcus</i>	46	—
<i>Coelastrum</i>	8	—
<i>Pediastrum kawrayski</i>	2	53
<i>Pediastrum</i> , type K	1	53
<i>Pediastrum</i> , type X	100	53
<i>Pediastrum</i> , type Y	6	53
<i>Pediastrum</i> (undiff.)	<u>11</u>	53
Pollen sum	218.5	

Tulelake, Siskiyou County, California

Sample 632 -- Depth = 152.53 meters

Core 2, Slug 51

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	18	
Broken <i>Pinus</i> (halves)	43	
<i>Abies</i>	3	
TCT	120	
<i>Quercus</i>	25	
<i>Alnus</i>	2	
<i>Ostrya/Carpinus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	23	
<i>Sarcobatus</i>	1	
Cyperaceae	3	
<i>Typha/Sparganium</i>	3	
<i>Polygonum persicaria</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	36	—
<i>Pediastrum kawrayski</i>	13	52
<i>Pediastrum</i> , type N	6	52
<i>Pediastrum</i> , type X	100	52
<i>Pediastrum</i> , type Y	1	52
<i>Pediastrum</i> (undiff.)	<u>20</u>	52
Pollen sum	223.5	

Tulelake, Siskiyou County, California

Sample 634 -- Depth = 153.43 meters

Core 2, Slug 51

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	71	
Broken <i>Pinus</i> (halves)	16	
TCT	108	
<i>Quercus</i>	13	
Quercoids	4	
<i>Juglans</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	7	
Artemisioids	5	
High-spine Compositae	1	
Low-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	1	
Cruciferae	2	
Unknowns	4	
<i>Botryococcus</i>	8	70
<i>Pediastrum</i> , type N	7	70
<i>Pediastrum</i> , type X	79	70
<i>Pediastrum</i> , type Y	2	70
<i>Pediastrum</i> (undiff.)	<u>103</u>	70
Pollen sum	232.0	

Tulelake, Siskiyou County, California

Sample 638 -- Depth = 154.43 meters

Core 2, Slug 51

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	76	
Broken <i>Pinus</i> (halves)	132	
<i>Abies</i>	3	
TCT	83	
<i>Quercus</i>	8	
<i>Alnus</i>	1	
<i>Artemisia</i>	27	
High-spine Compositae	2	
Unidentifiable	3	
<i>Botryococcus</i>	41	—
<i>Coelastrum</i>	4	—
<i>Pediastrum kawrayski</i>	3	129
<i>Pediastrum</i> , type O	7	129
<i>Pediastrum</i> , type X	77	129
<i>Pediastrum</i> , type Y	12	129
<i>Pediastrum</i> (undiff.)	<u>101</u>	129
Pollen sum	269.0	

Tulelake, Siskiyou County, California

Sample 640 -- Depth = 155.36 meters

Core 2, Slug 51

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	59	
Broken <i>Pinus</i> (halves)	80	
TCT	104	
<i>Quercus</i>	3	
<i>Alnus</i>	1	
<i>Artemisia</i>	3	
Artemisioids	2	
High-spine Compositae	1	
Tulelake Unknown A	3	
<i>Botryococcus</i>	13	43
<i>Pediastrum</i> , type O	1	43
<i>Pediastrum</i> , type X	24	43
<i>Pediastrum</i> , type Y	1	43
<i>Pediastrum</i> (undiff.)	<u>80</u>	43
Pollen sum	216.0	

Tulelake, Siskiyou County, California

Sample 644 -- Depth = 156.84 meters

Core 2, Slug 52

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	48	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	1	
TCT	81	
<i>Quercus</i>	9	
<i>Artemisia</i>	21	
Cheno-Ams	1	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	59	—
<i>Pediastrum kawrayski</i>	3	29
<i>Pediastrum</i> , type N	4	29
<i>Pediastrum</i> , type X	8	29
<i>Pediastrum</i> , type Y	1	29
<i>Pediastrum</i> (undiff.)	<u>102</u>	29
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 1746 -- Depth = 158.33 meters

Core 2, Slug 52

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	66	
Broken <i>Pinus</i> (halves)	154	
<i>Abies</i>	4	
TCT	22	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	2	
<i>Alnus</i>	1	
<i>Artemisia</i>	35	
Cheno-Ams	1	
<i>Sarcobatus</i>	2	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	1	
Unidentifiable	1	
<i>Botryococcus</i>	8	103
<i>Coelastrum</i>	3	103
<i>Pediastrum kawrayski</i>	103	103
<i>Pediastrum</i> , type K	2	103
<i>Pediastrum</i> , type O	8	103
<i>Pediastrum</i> , type X	11	103
<i>Pediastrum</i> , type Y	12	103
<i>Pediastrum</i> (undiff.)	<u>11</u>	103
Pollen sum	216.0	

Tulelake, Siskiyou County, California

Sample 659 -- Depth = 160.73 meters

Core 2, Slug 53

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	47	
Broken <i>Pinus</i> (halves)	131	
<i>Abies</i>	5	
TCT	40	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	4	
Quercoids	2	
<i>Salix</i>	1	
<i>Artemisia</i>	26	
Artemisioids	8	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	12	
<i>Isoetes</i>	1	
<i>Eriogonum</i>	1	
Liliaceae	1	
Unidentifiable	9	
Unknowns	6	
<i>Botryococcus</i>	52	—
<i>Pediastrum kawrayski</i>	3	—
<i>Pediastrum</i> , type K	31	—
<i>Pediastrum</i> , type X	31	—
<i>Pediastrum</i> , type Y	5	—
<i>Pediastrum</i> (undiff.)	10	—
<i>Peridinium</i> cysts	6	—
Pollen sum	233.5	

Tulelake, Siskiyou County, California

Sample 666 -- Depth = 162.58 meters

Core 2, Slug 54

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	85	
Broken <i>Pinus</i> (halves)	120	
TCT	26	
<i>Quercus</i>	3	
Quercoids	2	
<i>Artemisia</i>	25	
Artemisioids	2	
Cheno-Ams	2	
High-spine Compositae	3	
Cyperaceae	2	
<i>Pediastrum</i> , type K	4	—
<i>Pediastrum</i> , type X	2	—
<i>Pediastrum</i> (undiff.)	8	—
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 1692 -- Depth = 164.26 meters

Core 2, Slug 54

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	80	
Broken <i>Pinus</i> (halves)	82	
<i>Abies</i>	13	
TCT	85	
<i>Tsuga heterophylla</i>	1	
<i>Quercus</i>	5	
Betulaceae	1	
<i>Artemisia</i>	16	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
<i>Botryococcus</i>	14	—
<i>Coelastrum</i>	6	—
<i>Pediastrum kawrayski</i>	31	—
<i>Pediastrum</i> , type N	3	—
<i>Pediastrum</i> , type O	5	—
<i>Pediastrum</i> , type X	47	—
<i>Pediastrum</i> , type Y	15	—
<i>Pediastrum</i> (undiff.)	<u>44</u>	—
Pollen sum	247.0	

Tulelake, Siskiyou County, California

Sample 678 -- Depth = 165.83 meters

Core 2, Slug 55

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	40	
Broken <i>Pinus</i> (halves)	96	
<i>Abies</i>	7	
TCT	100	
<i>Tsuga mertensiana</i>	2	
<i>Quercus</i>	12	
Quercoids	1	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Celtis</i>	1	
<i>Artemisia</i>	6	
Artemisioids	1	
Cheno-Ams	1	
High-spine Compositae	2	
Liguliflorae	1	
Unidentifiable	2	
Unknowns	3	
<i>Botryococcus</i>	33	—
<i>Pediastrum</i> , type K	14	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>1</u>	—
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 684 -- Depth = 166.73 meters

Core 2, Slug 55

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	110	
<i>Abies</i>	5	
TCT	93	
<i>Tsuga</i> (undiff.)	2	
<i>Quercus</i>	3	
<i>Artemisia</i>	16	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Pterocarya</i>	1	
Trilete spores	1	—
<i>Botryococcus</i>	16	—
<i>Coelastrum</i>	1	—
<i>Pediastrum</i> , type O	3	—
<i>Pediastrum</i> , type X	20	—
<i>Pediastrum</i> , type Y	6	—
<i>Pediastrum</i> (undiff.)	<u>26</u>	—
Pollen sum	243.0	

Tulelake, Siskiyou County, California

Sample 686 -- Depth = 167.83 meters

Core 2, Slug 56

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	103	
Broken <i>Pinus</i> (halves)	79	
<i>Abies</i>	1	
TCT	38	
<i>Quercus</i>	4	
Quercoids	2	
<i>Artemisia</i>	18	
Artemisioids	3	
Cheno-Ams	3	
High-spine Compositae	4	
Poaceae (Gramineae)	7	
Cyperaceae	2	
<i>Eriogonum</i>	1	
Unidentifiable	1	
Unknowns	2	
<i>Botryococcus</i>	3	89
<i>Pediastrum kawrayski</i>	100	89
<i>Pediastrum</i> , type K	35	89
<i>Pediastrum</i> , type X	53	89
<i>Pediastrum</i> , type Y	1	89
<i>Pediastrum</i> (undiff.)	<u>62</u>	89
Pollen sum	228.5	

Tulelake, Siskiyou County, California

Sample 1682 -- Depth = 168.67 meters

Core 2, Slug 56

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	81	
Broken <i>Pinus</i> (halves)	152	
<i>Abies</i>	4	
TCT	23	
<i>Quercus</i>	4	
<i>Artemisia</i>	24	
Artemisioids	1	
Cheno-Ams	2	
High-spine Compositae	2	
Poaceae (Gramineae)	5	
Cyperaceae	1	
<i>Eriogonum</i>	2	
Unidentifiable	1	
<i>Botryococcus</i>	17	—
<i>Pediastrum kawrayski</i>	6	213
<i>Pediastrum</i> , type K	107	213
<i>Pediastrum</i> , type X	11	213
<i>Pediastrum</i> (undiff.)	<u>5</u>	213
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 691 -- Depth = 169.68 meters

Core 2, Slug 56

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	74	
Broken <i>Pinus</i> (halves)	160	
<i>Abies</i>	2	
TCT	64	
<i>Quercus</i>	1	
<i>Alnus</i>	3	
<i>Salix</i>	2	
<i>Artemisia</i>	13	
Cheno-Ams	5	
<i>Sarcobatus</i>	2	
High-spine Compositae	7	
Poaceae (Gramineae)	10	
Cyperaceae	2	
<i>Polygonum persicaria</i>	1	
Unidentifiable	3	
<i>Botryococcus</i>	15	—
<i>Pediastrum kawrayski</i>	9	—
<i>Pediastrum</i> , type K	13	—
<i>Pediastrum</i> , type X	10	—
<i>Pediastrum</i> (undiff.)	26	—
Pollen sum	269.0	

Tulelake, Siskiyou County, California

Sample 695 -- Depth = 170.85 meters

Core 2, Slug 57

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	51	
Broken <i>Pinus</i> (halves)	98	
<i>Abies</i>	3	
TCT	56	
<i>Quercus</i>	8	
Quercoids	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	12	
Artemisioids	2	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Poaceae (Gramineae)	2	
Caryophyllaceae	1	
Unknowns	3	
<i>Botryococcus</i>	20	—
<i>Pediastrum</i> (undiff.)	32	—
Pollen sum	200.0	

Tulelake, Siskiyou County, California

Sample 1649 -- Depth = 171.66 meters

Core 2, Slug 57

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	70	
Broken <i>Pinus</i> (halves)	86	
<i>Abies</i>	5	
TCT	98	
Quercoids	13	
<i>Corylus</i>	1	
<i>Artemisia</i>	29	
Ericaceae	1	
Cheno-Ams	3	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
Cyperaceae	3	
<i>Botryococcus</i>	23	—
<i>Coelastrum</i>	6	—
<i>Pediastrum</i> , type K	11	—
<i>Pediastrum</i> , type X	5	—
<i>Pediastrum</i> , type Y	22	—
<i>Pediastrum</i> (undiff.)	11	—
Pollen sum	271.0	

Tulelake, Siskiyou County, California

Sample 701 -- Depth = 172.83 meters

Core 2, Slug 57

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	72	
Broken <i>Pinus</i> (halves)	80	
<i>Abies</i>	1	
TCT	48	
<i>Tsuga heterophylla</i>	1	
<i>Quercus</i>	7	
Quercoids	1	
<i>Celtis</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	25	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	2	
<i>Typha/Sparganium</i>	1	
Unknowns	2	
<i>Botryococcus</i>	14	—
<i>Coelastrum</i>	2	—
<i>Pediastrum kawrayski</i>	1	—
<i>Pediastrum</i> , type K	44	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> , type Y	2	—
<i>Pediastrum</i> (undiff.)	8	—
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 1700 -- Depth = 173.97 meters

Core 2, Slug 58

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	85	
Broken <i>Pinus</i> (halves)	107	
<i>Abies</i>	3	
TCT	62	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	7	
Quercoids	1	
<i>Artemisia</i>	7	
Rhamnaceae	1	
Poaceae (Gramineae)	1	
<i>Botryococcus</i>	10	—
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	22	—
<i>Pediastrum</i> , type O	3	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	3	—
<i>Pediastrum</i> (undiff.)	<u>6</u>	—
Pollen sum	221.5	

Tulelake, Siskiyou County, California

Sample 714 -- Depth = 175.38 meters

Core 2, Slug 58

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	18	
Broken <i>Pinus</i> (halves)	82	
<i>Abies</i>	1	
TCT	108	
<i>Tsuga mertensiana</i>	1	
<i>Sequoia</i>	1	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	16	
<i>Sarcobatus</i>	2	
High-spine Compositae	3	
Poaceae (Gramineae)	2	
Cyperaceae	3	
<i>Isoetes</i>	1	
Clear Lake Unknown A	2	
Unidentifiable	5	
Unknowns	2	
Trilete spores	1	—
<i>Botryococcus</i>	36	—
<i>Coelastrum</i>	6	—
<i>Pediastrum kawrayski</i>	18	—
<i>Pediastrum</i> , type K	50	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> , type O	5	—
<i>Pediastrum</i> , type X	12	—
<i>Pediastrum</i> , type Y	3	—
<i>Pediastrum</i> (undiff.)	18	—
<i>Peridinium</i> cysts	4	—
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 720 -- Depth = 178.82 meters

Core 2, Slug 59

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	80	
<i>Abies</i>	2	
TCT	88	
<i>Quercus</i>	9	
Quercoids	3	
<i>Myrica</i>	2	
<i>Artemisia</i>	15	
Artemisioids	1	
Ericaceae	1	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
<i>Myriophyllum</i>	1	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	15	—
<i>Coelastrum</i>	3	—
<i>Pediastrum</i> , type K	3	—
<i>Pediastrum</i> , type X	5	—
<i>Pediastrum</i> , type Y	3	—
<i>Pediastrum</i> (undiff.)	23	—
Pollen sum	215.0	

Tulelake, Siskiyou County, California

Sample 723 -- Depth = 180.67 meters

Core 2, Slug 60

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	1	
TCT	59	
<i>Quercus</i>	5	
Quercoids	1	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Celtis</i>	1	
<i>Artemisia</i>	18	
Artemisioids	1	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	2	
Cyperaceae	4	
<i>Nuphar</i>	2	
<i>Potamogeton</i>	1	
Clear Lake Unknown A	1	
Unidentifiable	4	
Unknowns	2	
<i>Botryococcus</i>	7	—
<i>Pediastrum</i> , type K	4	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	2	—
<i>Pediastrum</i> (undiff.)	3	—
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 728 -- Depth = 183.52 meters

Core 2, Slug 61

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	74	
Broken <i>Pinus</i> (halves)	62	
TCT	66	
<i>Quercus</i>	8	
Quercoids	3	
<i>Celtis</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	2	
Artemisioids	3	
Cheno-Ams	2	
<i>Sarcobatus</i>	3	
High-spine Compositae	1	
Tulelake Unknown C	2	
Unidentifiable	4	
<i>Botryococcus</i>	37	—
<i>Pediastrum</i> , type K	21	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>26</u>	—
Pollen sum	201.0	

Tulelake, Siskiyou County, California

Sample 1736 -- Depth = 184.72 meters

Core 2, Slug 61

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	74	
Broken <i>Pinus</i> (halves)	152	
<i>Abies</i>	6	
<i>Picea</i>	1	
TCT	64	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	24	
Cheno-Ams	4	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	2	
<i>Botryococcus</i>	34	161
<i>Coelastrum</i>	4	161
<i>Pediastrum kawrayski</i>	12	161
<i>Pediastrum</i> , type K	10	161
<i>Pediastrum</i> , type O	9	161
<i>Pediastrum</i> , type X	22	161
<i>Pediastrum</i> , type Y	30	161
<i>Pediastrum</i> (undiff.)	<u>100</u>	161
Pollen sum	260.0	

Tulelake, Siskiyou County, California

Sample 732 -- Depth = 185.42 meters

Core 2, Slug 61

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	133	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	1	
TCT	36	
<i>Quercus</i>	4	
Quercoids	2	
<i>Juglans</i>	6	
<i>Artemisia</i>	22	
Artemisioids	5	
High-spine Compositae	3	
Liguliflorae	1	
Cyperaceae	4	
<i>Potamogeton</i>	1	
<i>Typha/Sparganium</i>	1	
<i>Botryococcus</i>	16	76
<i>Pediastrum</i> (undiff.)	<u>100</u>	76
Pollen sum	275.0	

Tulelake, Siskiyou County, California

Sample 734 -- Depth = 186.37 meters

Core 2, Slug 62

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	145	
Broken <i>Pinus</i> (halves)	107	
<i>Abies</i>	1	
TCT	11	
<i>Quercus</i>	2	
<i>Artemisia</i>	5	
Poaceae (Gramineae)	3	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	14	—
<i>Pediastrum</i> , type K	11	—
<i>Pediastrum</i> , type X	22	—
<i>Pediastrum</i> , type Y	2	—
<i>Pediastrum</i> (undiff.)	<u>3</u>	—
Pollen sum	223.5	

Tulelake, Siskiyou County, California

Sample 737 -- Depth = 187.17 meters

Core 2, Slug 62

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	94	
Broken <i>Pinus</i> (halves)	204	
<i>Abies</i>	1	
TCT	22	
<i>Quercus</i>	1	
Quercoids	1	
<i>Artemisia</i>	13	
Artemisioids	2	
Cheno-Ams	2	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
<i>Pterocarya</i>	1	
Unidentifiable	2	
Unknowns	2	
<i>Botryococcus</i>	10	—
<i>Pediastrum kawrayski</i>	11	—
<i>Pediastrum</i> , type K	8	—
<i>Pediastrum</i> (undiff.)	17	—
	<hr/>	
Pollen sum	245.0	

Tulelake, Siskiyou County, California

Sample 739 -- Depth = 188.11 meters

Core 2, Slug 62

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	48	
Broken <i>Pinus</i> (halves)	212	
<i>Abies</i>	3	
TCT	46	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	21	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	3	
<i>Thalictrum</i>	1	
<i>Botryococcus</i>	26	—
<i>Pediastrum kawrayski</i>	8	—
<i>Pediastrum</i> , type K	3	—
<i>Pediastrum</i> , type X	17	—
<i>Pediastrum</i> (undiff.)	26	—
Pollen sum	237.0	

Tulelake, Siskiyou County, California

Sample 741 -- Depth = 189.39 meters

Core 2, Slug 63

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	132	
<i>Abies</i>	4	
TCT	69	
<i>Quercus</i>	3	
<i>Artemisia</i>	22	
Cheno-Ams	2	
High-spine Compositae	1	
Liguliflorae	1	
<i>Typha/Sparganium</i>	1	
<i>Botryococcus</i>	21	—
<i>Pediastrum kawrayski</i>	18	24
<i>Pediastrum</i> , type K	10	24
<i>Pediastrum</i> (undiff.)	<u>102</u>	24
Pollen sum	224.0	

Tulelake, Siskiyou County, California

Sample 744 -- Depth = 190.77 meters

Core 2, Slug 63

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	124	
<i>Abies</i>	6	
TCT	92	
<i>Quercus</i>	24	
Quercoids	1	
<i>Salix</i>	1	
<i>Artemisia</i>	27	
Cheno-Ams	2	
<i>Sarcobatus</i>	2	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
<i>Typha/Sparganium</i>	1	
Umbelliferae	1	
Unidentifiable	5	
<i>Pediastrum</i> , type X	101	19
<i>Pediastrum</i> (undiff.)	6	19
	<hr/>	
Pollen sum	276.0	

Tulelake, Siskiyou County, California

Sample 748 -- Depth = 191.25 meters

Core 2, Slug 63

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	45	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	5	
TCT	82	
<i>Quercus</i>	11	
Quercoids	1	
<i>Juglans</i>	2	
<i>Artemisia</i>	11	
Artemisioids	1	
Cheno-Ams	2	
Cyperaceae	3	
Tulelake Unknown A	2	
Unknowns	2	
<i>Botryococcus</i>	100	181
<i>Pediastrum kawrayski</i>	8	181
<i>Pediastrum</i> , type K	35	181
<i>Pediastrum</i> , type X	2	181
<i>Pediastrum</i> , type Y	1	181
<i>Pediastrum</i> (undiff.)	<u>10</u>	181
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 755 -- Depth = 193.52 meters

Core 2, Slug 64

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	73	
Broken <i>Pinus</i> (halves)	158	
TCT	44	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	11	
<i>Artemisia</i>	13	
Artemisioids	5	
<i>Sarcobatus</i>	1	
Poaceae (Gramineae)	1	
Unidentifiable	3	
<i>Botryococcus</i>	14	—
<i>Pediastrum kawrayski</i>	2	—
<i>Pediastrum</i> , type K	10	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> (undiff.)	19	—
	<hr/>	
Pollen sum	231.0	

Tulelake, Siskiyou County, California

Sample 760 -- Depth = 195.82 meters

Core 2, Slug 65

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	50	
Broken <i>Pinus</i> (halves)	112	
<i>Abies</i>	7	
<i>Picea</i>	1	
TCT	88	
<i>Tsuga heterophylla</i>	2	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	2	
Quercoids	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	24	
Artemisioids	6	
<i>Sarcobatus</i>	2	
High-spine Compositae	1	
Poaceae (Gramineae)	3	
Cyperaceae	2	
Cruciferae	1	
Unidentifiable	7	
Unknowns	3	
<i>Botryococcus</i>	20	—
<i>Pediastrum</i> , type K	15	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	<u>5</u>	—
Pollen sum	264.0	

Tulelake, Siskiyou County, California

Sample 768 -- Depth = 198.25 meters

Core 2, Slug 66

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	25	
Broken <i>Pinus</i> (halves)	98	
<i>Abies</i>	3	
TCT	97	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	17	
<i>Artemisia</i>	18	
Cheno-Ams	2	
Unknowns	2	
<i>Botryococcus</i>	47	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	16	—
<i>Pediastrum</i> , type K	12	—
<i>Pediastrum</i> , type X	2	—
<i>Pediastrum</i> , type Y	5	—
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 776 -- Depth = 200.42 meters

Core 2, Slug 66

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	73	
Broken <i>Pinus</i> (halves)	200	
<i>Abies</i>	4	
<i>Picea</i>	1	
TCT	5	
<i>Quercus</i>	1	
<i>Artemisia</i>	31	
High-spine Compositae	4	
<i>Isoetes</i>	2	
Unknowns	4	
<i>Botryococcus</i>	43	—
<i>Coelastrum</i>	1	—
<i>Pediastrum</i> (undiff.)	27	—
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 1808 -- Depth = 201.93 meters

Core 2, Slug 67

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	77	
<i>Abies</i>	2	
TCT	115	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	7	
<i>Artemisia</i>	19	
<i>Sarcobatus</i>	1	
Low-spine Compositae	1	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	34	—
<i>Coelastrum</i>	14	—
<i>Pediastrum kawrayski</i>	34	23
<i>Pediastrum</i> , type O	5	23
<i>Pediastrum</i> , type X	53	23
<i>Pediastrum</i> , type Y	4	23
<i>Pediastrum</i> (undiff.)	<u>100</u>	23
Pollen sum	233.5	

Tulelake, Siskiyou County, California

Sample 778 -- Depth = 202.11 meters

Core 2, Slug 67

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	279	
<i>Abies</i>	3	
TCT	13	
<i>Quercus</i>	5	
<i>Alnus</i>	2	
<i>Betula</i>	1	
<i>Artemisia</i>	17	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Liguliflorae	1	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
<i>Eriogonum</i>	2	
Unidentifiable	4	
<i>Botryococcus</i>	98	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	2	—
<i>Pediastrum</i> , type K	20	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	13	—
<i>Pediastrum</i> , type Y	9	—
<i>Pediastrum</i> (undiff.)	<u>20</u>	—
Pollen sum	239.5	

Tulelake, Siskiyou County, California

Sample 780 -- Depth = 203.05 meters

Core 2, Slug 67

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	68	
Broken <i>Pinus</i> (halves)	148	
<i>Abies</i>	2	
TCT	26	
<i>Quercus</i>	8	
<i>Artemisia</i>	19	
Artemisioids	4	
Cheno-Ams	1	
Poaceae (Gramineae)	1	
Cyperaceae	2	
Labiatae	1	
Tulelake Unknown C	1	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	111	—
<i>Pediastrum kawrayski</i>	12	—
<i>Pediastrum</i> , type K	18	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> (undiff.)	<u>103</u>	—
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 1830 -- Depth = 204.92 meters

Core 2, Slug 68

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	102	
<i>Abies</i>	4	
TCT	106	
<i>Quercus</i>	6	
<i>Artemisia</i>	23	
Cheno-Ams	4	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	1	
Unidentifiable	3	
Trilete spores	1	—
<i>Botryococcus</i>	99	—
<i>Coelastrum</i>	34	—
<i>Pediastrum kawrayski</i>	5	190
<i>Pediastrum</i> , type K	45	190
<i>Pediastrum</i> , type O	1	190
<i>Pediastrum</i> , type X	24	190
<i>Pediastrum</i> , type Y	4	190
<i>Pediastrum</i> (undiff.)	<u>100</u>	190
Pollen sum	253.0	

Tulelake, Siskiyou County, California

Sample 784 -- Depth = 205.04 meters

Core 2, Slug 68

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	66	
<i>Abies</i>	3	
TCT	66	
<i>Quercus</i>	6	
<i>Celtis</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	23	
Artemisioids	5	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	5	
Unknowns	1	
<i>Botryococcus</i>	3	78
<i>Coelastrum</i>	47	78
<i>Pediastrum</i> (undiff.)	<u>100</u>	78
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 790 -- Depth = 207.56 meters

Core 2, Slug 69

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	48	
Broken <i>Pinus</i> (halves)	74	
<i>Abies</i>	1	
TCT	103	
<i>Quercus</i>	1	
Quercoids	5	
<i>Artemisia</i>	10	
Artemisioids	1	
Cheno-Ams	2	
Poaceae (Gramineae)	2	
Cyperaceae	2	
Umbelliferae	1	
Tulelake Unknown E	1	
<i>Botryococcus</i>	14	65
<i>Coelastrum</i>	6	65
<i>Pediastrum kawrayski</i>	11	65
<i>Pediastrum</i> , type K	17	65
<i>Pediastrum</i> , type N	2	65
<i>Pediastrum</i> , type Y	9	65
<i>Pediastrum</i> (undiff.)	<u>100</u>	65
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 796 -- Depth = 210.86 meters

Core 2, Slug 70

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	51	
Broken <i>Pinus</i> (halves)	46	
<i>Abies</i>	2	
TCT	100	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	8	
<i>Juglans</i>	1	
<i>Artemisia</i>	15	
Artemisioids	2	
Rhamnaceae	1	
Cheno-Ams	1	
High-spine Compositae	4	
Poaceae (Gramineae)	4	
Cyperaceae	3	
Unidentifiable	5	
<i>Botryococcus</i>	24	36
<i>Pediastrum</i> (undiff.)	<u>100</u>	36
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 800 -- Depth = 213.16 meters

Core 2, Slug 70

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	63	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	1	
TCT	34	
<i>Tsuga heterophylla</i>	1	
<i>Quercus</i>	9	
Quercoids	1	
<i>Artemisia</i>	27	
Cheno-Ams	5	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	3	
<i>Typha/Sparganium</i>	1	
Unidentifiable	3	
<i>Botryococcus</i>	25	38
<i>Coelastrum</i>	1	38
<i>Pediastrum kawrayski</i>	3	38
<i>Pediastrum</i> , type K	26	38
<i>Pediastrum</i> , type Y	27	38
<i>Pediastrum</i> (undiff.)	<u>100</u>	38
Pollen sum	209.0	

Tulelake, Siskiyou County, California

Sample 804 -- Depth = 214.71 meters

Core 2, Slug 71

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	41	
Broken <i>Pinus</i> (halves)	133	
<i>Abies</i>	1	
TCT	52	
<i>Quercus</i>	8	
<i>Alnus</i>	2	
<i>Artemisia</i>	35	
Cheno-Ams	1	
<i>Sarcobatus</i>	2	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	2	
<i>Polygonum persicaria</i>	1	
<i>Thalictrum</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	100	139
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	6	25
<i>Pediastrum</i> , type K	6	25
<i>Pediastrum</i> , type X	13	25
<i>Pediastrum</i> , type Y	3	25
<i>Pediastrum</i> (undiff.)	<u>100</u>	25
Pollen sum	219.5	

Tulelake, Siskiyou County, California

Sample 806 -- Depth = 215.41 meters

Core 2, Slug 71

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	122	
Broken <i>Pinus</i> (halves)	44	
TCT	25	
<i>Quercus</i>	6	
<i>Artemisia</i>	12	
Cheno-Ams	1	
High-spine Compositae	8	
Poaceae (Gramineae)	19	
Cyperaceae	3	
<i>Potamogeton</i>	1	
Caryophyllaceae	3	
<i>Polygonum persicaria</i>	4	
<i>Eriogonum</i>	1	
<i>Gilia</i>	1	
Polemoniaceae	1	
Tulelake Unknown A	6	
Unknowns	5	
<i>Botryococcus</i>	19	77
<i>Pediastrum</i> (undiff.)	<u>108</u>	77
Pollen sum	240.0	

Tulelake, Siskiyou County, California

Sample 807 -- Depth = 216.91 meters

Core 2, Slug 72

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	35	
Broken <i>Pinus</i> (halves)	187	
<i>Abies</i>	2	
TCT	53	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	10	
<i>Betula</i>	1	
<i>Artemisia</i>	22	
Rhamnaceae	1	
Cheno-Ams	7	
<i>Sarcobatus</i>	7	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	5	
<i>Botryococcus</i>	67	—
<i>Pediastrum kawrayski</i>	18	55
<i>Pediastrum</i> , type O	9	55
<i>Pediastrum</i> , type X	40	55
<i>Pediastrum</i> , type Y	100	55
<i>Pediastrum</i> (undiff.)	39	55
Pollen sum	243.5	

Tulelake, Siskiyou County, California

Sample 809 -- Depth = 217.76 meters

Core 2, Slug 72

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	105	
Broken <i>Pinus</i> (halves)	168	
<i>Abies</i>	3	
TCT	21	
<i>Quercus</i>	4	
<i>Artemisia</i>	25	
Cheno-Ams	1	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Polygonum persicaria</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	22	—
<i>Pediastrum kawrayski</i>	10	170
<i>Pediastrum</i> , type K	9	170
<i>Pediastrum</i> , type O	1	170
<i>Pediastrum</i> , type X	13	170
<i>Pediastrum</i> (undiff.)	<u>102</u>	170
Pollen sum	251.0	

Tulelake, Siskiyou County, California

Sample 1847 -- Depth = 218.09 meters

Core 2, Slug 72

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	135	
Broken <i>Pinus</i> (halves)	130	
TCT	7	
<i>Quercus</i>	1	
<i>Artemisia</i>	11	
High-spine Compositae	2	
Poaceae (Gramineae)	2	
Caryophyllaceae	1	
Unknowns	1	
<i>Botryococcus</i>	6	—
<i>Pediastrum kawrayski</i>	2	—
<i>Pediastrum</i> (undiff.)	<u>13</u>	—
Pollen sum	225.0	

Tulelake, Siskiyou County, California

Sample 816 -- Depth = 220.21 meters

Core 2, Slug 73

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	1	
TCT	44	
<i>Quercus</i>	9	
Quercoids	1	
<i>Artemisia</i>	28	
Artemisioids	3	
Cheno-Ams	5	
<i>Sarcobatus</i>	6	
Low-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	5	
<i>Typha/Sparganium</i>	1	
Unidentifiable	5	
Unknowns	2	
<i>Dryopteris</i>	2	—
<i>Botryococcus</i>	4	6
<i>Coelastrum</i>	6	6
<i>Pediastrum kawrayski</i>	100	6
<i>Pediastrum</i> , type K	49	6
<i>Pediastrum</i> , type X	29	6
<i>Pediastrum</i> , type Y	23	6
<i>Pediastrum</i> (undiff.)	33	6
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 1804 -- Depth = 221.01 meters

Core 2, Slug 73

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	76	
<i>Abies</i>	3	
TCT	24	
<i>Quercus</i>	19	
<i>Alnus</i>	1	
<i>Artemisia</i>	40	
Artemisioids	2	
Cheno-Ams	6	
<i>Sarcobatus</i>	1	
Liguliflorae	1	
Poaceae (Gramineae)	2	
Cyperaceae	7	
<i>Typha/Sparganium</i>	2	
Unidentifiable	14	
<i>Botryococcus</i>	52	—
<i>Pediastrum kawrayski</i>	18	2
<i>Pediastrum</i> , type O	3	2
<i>Pediastrum</i> , type X	33	2
<i>Pediastrum</i> , type Y	9	2
<i>Pediastrum</i> (undiff.)	<u>100</u>	2
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 1806 -- Depth = 221.94 meters

Core 2, Slug 73

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	68	
Broken <i>Pinus</i> (halves)	192	
<i>Abies</i>	3	
TCT	19	
<i>Quercus</i>	2	
<i>Artemisia</i>	15	
High-spine Compositae	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	3	
Cyperaceae	1	
<i>Typha/Sparganium</i>	4	
Cruciferae	1	
Unidentifiable	4	
<i>Botryococcus</i>	39	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	17	20
<i>Pediastrum</i> , type K	14	20
<i>Pediastrum</i> , type O	1	20
<i>Pediastrum</i> , type X	11	20
<i>Pediastrum</i> , type Y	12	20
<i>Pediastrum</i> (undiff.)	<u>100</u>	20
Pollen sum	219.0	

Tulelake, Siskiyou County, California

Sample 820 -- Depth = 222.31 meters

Core 2, Slug 73

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	70	
Broken <i>Pinus</i> (halves)	150	
<i>Abies</i>	2	
TCT	11	
<i>Quercus</i>	6	
<i>Alnus</i>	4	
<i>Artemisia</i>	29	
Rhamnaceae	1	
Cheno-Ams	2	
High-spine Compositae	1	
Poaceae (Gramineae)	3	
<i>Typha/Sparganium</i>	1	
Unidentifiable	5	
Unknowns	4	
<i>Botryococcus</i>	30	—
<i>Pediastrum kawrayski</i>	16	32
<i>Pediastrum</i> , type K	9	32
<i>Pediastrum</i> , type X	15	32
<i>Pediastrum</i> , type Y	1	32
<i>Pediastrum</i> (undiff.)	<u>100</u>	32
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 821 -- Depth = 222.86 meters

Core 2, Slug 74

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	108	
Broken <i>Pinus</i> (halves)	124	
TCT	11	
<i>Quercus</i>	4	
Quercoids	1	
<i>Artemisia</i>	4	
Artemisioids	5	
Cheno-Ams	1	
High-spine Compositae	5	
Poaceae (Gramineae)	1	
Cyperaceae	1	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	14	55
<i>Pediastrum kawrayski</i>	3	55
<i>Pediastrum</i> , type K	43	55
<i>Pediastrum</i> , type X	19	55
<i>Pediastrum</i> (undiff.)	<u>102</u>	55
Pollen sum	208.0	

Tulelake, Siskiyou County, California

Sample 1816 -- Depth = 223.79 meters

Core 2, Slug 74

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	109	
Broken <i>Pinus</i> (halves)	124	
<i>Abies</i>	1	
TCT	27	
<i>Quercus</i>	3	
<i>Alnus</i>	1	
<i>Artemisia</i>	10	
High-spine Compositae	4	
Poaceae (Gramineae)	3	
Cyperaceae	2	
<i>Typha/Sparganium</i>	2	
<i>Eriogonum</i>	1	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	9	—
<i>Pediastrum kawrayski</i>	49	121
<i>Pediastrum</i> , type K	56	121
<i>Pediastrum</i> , type O	3	121
<i>Pediastrum</i> , type X	10	121
<i>Pediastrum</i> , type Y	6	121
<i>Pediastrum</i> (undiff.)	<u>100</u>	121
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 826 -- Depth = 224.36 meters

Core 2, Slug 74

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	100	
<i>Abies</i>	6	
TCT	49	
<i>Quercus</i>	11	
<i>Alnus</i>	1	
Betulaceae	2	
<i>Artemisia</i>	32	
Ericaceae	1	
Cheno-Ams	4	
High-spine Compositae	3	
Poaceae (Gramineae)	4	
Cyperaceae	2	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	7	
<i>Botryococcus</i>	33	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	13	23
<i>Pediastrum</i> , type K	1	23
<i>Pediastrum</i> , type X	23	23
<i>Pediastrum</i> , type Y	7	23
<i>Pediastrum</i> (undiff.)	<u>100</u>	23
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 831 -- Depth = 225.06 meters

Core 2, Slug 74

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	49	
Broken <i>Pinus</i> (halves)	82	
<i>Abies</i>	6	
<i>Picea</i>	1	
TCT	45	
<i>Quercus</i>	10	
Quercoids	7	
<i>Alnus</i>	4	
<i>Acer</i>	1	
<i>Juglans</i>	4	
<i>Artemisia</i>	17	
Artemisioids	6	
Cheno-Ams	4	
High-spine Compositae	1	
Low-spine Compositae	2	
Poaceae (Gramineae)	8	
Cyperaceae	9	
Malvaceae	1	
Unidentifiable	3	
Unknowns	7	
<i>Botryococcus</i>	34	—
<i>Coelastrum</i>	7	—
<i>Pediastrum</i> (undiff.)	<u>100</u>	<u>12</u>
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 835 -- Depth = 226.24 meters

Core 2, Slug 75

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	51	
Broken <i>Pinus</i> (halves)	37	
<i>Abies</i>	4	
<i>Picea</i>	1	
TCT	91	
<i>Quercus</i>	10	
<i>Corylus</i>	2	
<i>Juglans</i>	1	
<i>Artemisia</i>	17	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	2	
<i>Typha/Sparganium</i>	4	
Unidentifiable	7	
<i>Botryococcus</i>	43	—
<i>Coelastrum</i>	7	—
<i>Pediastrum kawrayski</i>	47	22
<i>Pediastrum</i> , type X	55	22
<i>Pediastrum</i> , type Y	2	22
<i>Pediastrum</i> (undiff.)	<u>100</u>	22
Pollen sum	218.5	

Tulelake, Siskiyou County, California

Sample 836 -- Depth = 226.65 meters

Core 2, Slug 75

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	35	
Broken <i>Pinus</i> (halves)	42	
<i>Abies</i>	4	
TCT	107	
<i>Quercus</i>	4	
<i>Celtis</i>	1	
<i>Artemisia</i>	14	
Cheno-Ams	1	
Poaceae (Gramineae)	1	
Cyperaceae	7	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	2	
Unidentifiable	7	
Unknowns	2	
<i>Botryococcus</i>	26	—
<i>Pediastrum kawrayski</i>	51	16
<i>Pediastrum</i> , type K	1	16
<i>Pediastrum</i> , type O	10	16
<i>Pediastrum</i> , type X	18	16
<i>Pediastrum</i> , type Y	3	16
<i>Pediastrum</i> (undiff.)	100	16
<i>Sagittaria</i>	<u>1</u>	
Pollen sum	208.0	

Tulelake, Siskiyou County, California

Sample 837 -- Depth = 227.10 meters

Core 2, Slug 75

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	69	
<i>Abies</i>	2	
<i>Picea</i>	2	
TCT	91	
<i>Quercus</i>	5	
<i>Artemisia</i>	22	
Cheno-Ams	3	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	3	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	38	—
<i>Coelastrum</i>	2	—
<i>Pediastrum kawrayski</i>	100	30
<i>Pediastrum</i> , type K	4	30
<i>Pediastrum</i> , type O	10	30
<i>Pediastrum</i> , type X	67	30
<i>Pediastrum</i> , type Y	11	30
<i>Pediastrum</i> (undiff.)	<u>66</u>	30
Pollen sum	233.5	

Tulelake, Siskiyou County, California

Sample 838 -- Depth = 227.55 meters

Core 2, Slug 75

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	62	
Broken <i>Pinus</i> (halves)	54	
TCT	94	
<i>Quercus</i>	4	
Quercoids	2	
<i>Alnus</i>	1	
<i>Ostrya/Carpinus</i>	1	
<i>Artemisia</i>	11	
Artemisioids	1	
Cheno-Ams	2	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Polygonum californicum</i>	1	
<i>Polygonum persicaria</i>	1	
Unknowns	2	
<i>Botryococcus</i>	2	17
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	103	17
<i>Pediastrum</i> , type K	2	17
<i>Pediastrum</i> , type X	3	17
<i>Pediastrum</i> (undiff.)	<u>68</u>	17
Pollen sum	212.0	

Tulelake, Siskiyou County, California

Sample 1841 -- Depth = 229.17 meters

Core 2, Slug 76

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	50	
Broken <i>Pinus</i> (halves)	132	
<i>Abies</i>	1	
TCT	19	
<i>Quercus</i>	4	
<i>Artemisia</i>	40	
Cheno-Ams	1	
<i>Sarcobatus</i>	2	
High-spine Compositae	4	
Poaceae (Gramineae)	1	
Unidentifiable	1	
<i>Botryococcus</i>	111	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	9	—
<i>Pediastrum</i> , type K	31	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	3	—
<i>Pediastrum</i> (undiff.)	<u>47</u>	—
Pollen sum	189.0	

Tulelake, Siskiyou County, California

Sample 845 -- Depth = 229.77 meters

Core 2, Slug 76

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	56	
<i>Abies</i>	3	
TCT	94	
<i>Quercus</i>	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	15	
Poaceae (Gramineae)	3	
Cyperaceae	1	
Unidentifiable	4	
<i>Botryococcus</i>	11	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	18	14
<i>Pediastrum</i> , type Y	1	14
<i>Pediastrum</i> (undiff.)	<u>100</u>	14
Pollen sum	200.0	

Tulelake, Siskiyou County, California

Sample 848 -- Depth = 230.35 meters

Core 2, Slug 76

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	73	
Broken <i>Pinus</i> (halves)	76	
<i>Abies</i>	7	
TCT	74	
<i>Quercus</i>	4	
Quercoids	4	
<i>Artemisia</i>	11	
Cyperaceae	6	
Tulelake Unknown A	5	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	3	10
<i>Pediastrum kawrayski</i>	34	10
<i>Pediastrum</i> , type Y	3	10
<i>Pediastrum</i> (undiff.)	<u>74</u>	10
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1875 -- Depth = 231.89 meters

Core 2, Slug 77

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	140	
TCT	39	
<i>Quercus</i>	8	
<i>Artemisia</i>	40	
Cheno-Ams	3	
Poaceae (Gramineae)	1	
Cyperaceae	4	
<i>Typha/Sparganium</i>	3	
Unidentifiable	4	
Unknowns	1	
<i>Botryococcus</i>	25	—
<i>Coelastrum</i>	42	—
<i>Pediastrum kawrayski</i>	102	10
<i>Pediastrum</i> , type K	20	10
<i>Pediastrum</i> , type O	1	10
<i>Pediastrum</i> , type X	33	10
<i>Pediastrum</i> , type Y	2	10
<i>Pediastrum</i> (undiff.)	<u>70</u>	10
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 852 -- Depth = 232.60 meters

Core 2, Slug 77

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	137	
<i>Abies</i>	3	
TCT	16	
<i>Quercus</i>	8	
Quercoids	1	
<i>Alnus</i>	4	
<i>Betula</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	39	
Artemisioids	3	
Cheno-Ams	7	
High-spine Compositae	5	
Poaceae (Gramineae)	3	
Cyperaceae	3	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	3	
Unidentifiable	7	
<i>Botryococcus</i>	30	—
<i>Coelastrum</i>	3	—
<i>Pediastrum kawrayski</i>	28	7
<i>Pediastrum</i> , type K	32	7
<i>Pediastrum</i> (undiff.)	<u>100</u>	7
Pollen sum	231.5	

Tulelake, Siskiyou County, California

Sample 853 -- Depth = 233.00 meters

Core 2, Slug 77

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	100	
Broken <i>Pinus</i> (halves)	38	
<i>Abies</i>	3	
TCT	19	
<i>Quercus</i>	12	
<i>Betula</i>	1	
<i>Corylus</i>	1	
<i>Artemisia</i>	30	
Artemisioids	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	4	
<i>Typha/Sparganium</i>	3	
Unidentifiable	3	
<i>Botryococcus</i>	3	10
<i>Coelastrum</i>	5	10
<i>Pediastrum kawrayski</i>	11	10
<i>Pediastrum</i> , type K	12	10
<i>Pediastrum</i> , type X	2	10
<i>Pediastrum</i> , type Y	3	10
<i>Pediastrum</i> (undiff.)	<u>101</u>	10
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 854 -- Depth = 233.35 meters

Core 2, Slug 77

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	78	
Broken <i>Pinus</i> (halves)	78	
<i>Abies</i>	3	
TCT	24	
<i>Quercus</i>	7	
<i>Artemisia</i>	19	
Cheno-Ams	4	
High-spine Compositae	6	
Poaceae (Gramineae)	2	
Cyperaceae	6	
<i>Typha/Sparganium</i>	9	
Unidentifiable	12	
<i>Botryococcus</i>	57	—
<i>Pediastrum kawrayski</i>	18	3
<i>Pediastrum</i> , type K	2	3
<i>Pediastrum</i> , type X	4	3
<i>Pediastrum</i> (undiff.)	<u>100</u>	3
Pollen sum	209.0	

Tulelake, Siskiyou County, California

Sample 856 -- Depth = 234.20 meters

Core 2, Slug 77

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	121	
Broken <i>Pinus</i> (halves)	56	
<i>Abies</i>	3	
TCT	6	
<i>Tsuga</i> (undiff.)	2	
<i>Quercus</i>	2	
<i>Salix</i>	1	
<i>Artemisia</i>	17	
Artemisioids	10	
High-spine Compositae	4	
Low-spine Compositae	1	
Poaceae (Gramineae)	8	
Cyperaceae	12	
<i>Potamogeton</i>	2	
Polemoniaceae	1	
Unidentifiable	1	
Unknowns	7	
<i>Botryococcus</i>	14	—
<i>Pediastrum</i> (undiff.)	<u>106</u>	<u>16</u>
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 1890 -- Depth = 237.02 meters

Core 2, Slug 79

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	129	
Broken <i>Pinus</i> (halves)	98	
<i>Abies</i>	1	
TCT	1	
<i>Quercus</i>	2	
<i>Artemisia</i>	21	
Artemisioids	2	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Unidentifiable	1	
<i>Botryococcus</i>	11	—
<i>Pediastrum kawrayski</i>	32	8
<i>Pediastrum</i> , type X	10	8
<i>Pediastrum</i> , type Y	13	8
<i>Pediastrum</i> (undiff.)	<u>100</u>	8
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 1786 -- Depth = 237.47 meters

Core 2, Slug 79

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	101	
Broken <i>Pinus</i> (halves)	92	
<i>Abies</i>	5	
<i>Picea</i>	1	
TCT	15	
<i>Quercus</i>	2	
<i>Alnus</i>	2	
<i>Artemisia</i>	43	
Cheno-Ams	2	
High-spine Compositae	3	
Poaceae (Gramineae)	4	
Cyperaceae	10	
Unidentifiable	5	
<i>Botryococcus</i>	26	—
<i>Pediastrum kawrayski</i>	17	13
<i>Pediastrum</i> , type K	8	13
<i>Pediastrum</i> , type X	6	13
<i>Pediastrum</i> , type Y	2	13
<i>Pediastrum</i> (undiff.)	100	13
<i>Shepherdia</i>	<u>1</u>	
Pollen sum	240.0	

Tulelake, Siskiyou County, California

Sample 1788 -- Depth = 237.92 meters

Core 2, Slug 79

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	46	
Broken <i>Pinus</i> (halves)	71	
TCT	36	
<i>Tsuga</i> (undiff.)	1	
<i>Quercus</i>	4	
<i>Acer</i>	1	
<i>Artemisia</i>	50	
Cheno-Ams	2	
High-spine Compositae	5	
Poaceae (Gramineae)	16	
Cyperaceae	4	
<i>Typha/Sparganium</i>	1	
Unidentifiable	5	
Unknowns	6	
<i>Botryococcus</i>	33	—
<i>Pediastrum kawrayski</i>	43	18
<i>Pediastrum</i> , type K	10	18
<i>Pediastrum</i> , type O	4	18
<i>Pediastrum</i> , type X	37	18
<i>Pediastrum</i> , type Y	6	18
<i>Pediastrum</i> (undiff.)	<u>100</u>	18
Pollen sum	212.5	

Tulelake, Siskiyou County, California

Sample 1792 -- Depth = 238.58 meters

Core 2, Slug 79

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	74	
Broken <i>Pinus</i> (halves)	134	
<i>Abies</i>	3	
TCT	21	
<i>Quercus</i>	8	
Betulaceae	1	
cf. small <i>Tilia</i>	1	
<i>Artemisia</i>	26	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
High-spine Compositae	4	
Poaceae (Gramineae)	1	
Cyperaceae	3	
Unidentifiable	8	
<i>Botryococcus</i>	42	—
<i>Pediastrum kawrayski</i>	28	18
<i>Pediastrum</i> , type K	16	18
<i>Pediastrum</i> , type O	5	18
<i>Pediastrum</i> , type X	5	18
<i>Pediastrum</i> , type Y	3	18
<i>Pediastrum</i> (undiff.)	<u>100</u>	18
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 863 -- Depth = 238.98 meters

Core 2, Slug 80

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	132	
Broken <i>Pinus</i> (halves)	110	
<i>Abies</i>	2	
TCT	32	
<i>Quercus</i>	2	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	22	
Artemisioids	3	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Caryophyllaceae	1	
Unidentifiable	2	
Unknowns	2	
<i>Botryococcus</i>	15	—
<i>Pediastrum kawrayski</i>	25	74
<i>Pediastrum</i> , type K	100	74
<i>Pediastrum</i> , type Y	1	74
<i>Pediastrum</i> (undiff.)	89	74
Pollen sum	259.0	

Tulelake, Siskiyou County, California

Sample 1798 -- Depth = 239.17 meters

Core 2, Slug 80

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	87	
Broken <i>Pinus</i> (halves)	61	
<i>Abies</i>	4	
TCT	38	
<i>Quercus</i>	7	
<i>Alnus</i>	1	
<i>Artemisia</i>	15	
Cheno-Ams	2	
High-spine Compositae	10	
Low-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	9	
Caryophyllaceae	1	
<i>Pediastrum kawrayski</i>	9	104
<i>Pediastrum</i> , type K	92	104
<i>Pediastrum</i> , type O	1	104
<i>Pediastrum</i> , type X	4	104
<i>Pediastrum</i> (undiff.)	<u>100</u>	104
Pollen sum	209.5	

Tulelake, Siskiyou County, California

Sample 864 -- Depth = 242.63 meters

Core 2, Slug 81

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	127	
Broken <i>Pinus</i> (halves)	70	
<i>Abies</i>	2	
TCT	6	
<i>Quercus</i>	1	
Quercoids	6	
<i>Juglans</i>	1	
<i>Artemisia</i>	9	
Artemisioids	2	
High-spine Compositae	6	
Poaceae (Gramineae)	1	
Cyperaceae	2	
<i>Typha/Sparganium</i>	2	
Tulelake Unknown A	3	
Unidentifiable	3	
Unknowns	3	
<i>Botryococcus</i>	5	38
<i>Pediastrum kawrayski</i>	3	38
<i>Pediastrum</i> , type K	40	38
<i>Pediastrum</i> , type X	17	38
<i>Pediastrum</i> , type Y	4	38
<i>Pediastrum</i> (undiff.)	55	38
Pollen sum	209.0	

Tulelake, Siskiyou County, California

Sample 866 -- Depth = 243.84 meters

Core 2, Slug 81

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	109	
Broken <i>Pinus</i> (halves)	36	
<i>Abies</i>	4	
TCT	28	
<i>Quercus</i>	4	
Quercoids	1	
<i>Artemisia</i>	9	
Artemisioids	2	
Cheno-Ams	1	
High-spine Compositae	6	
Low-spine Compositae	1	
Liguliflorae	1	
Poaceae (Gramineae)	3	
Cyperaceae	10	
<i>Typha/Sparganium</i>	5	
<i>Thalictrum</i>	2	
Unidentifiable	4	
Unknowns	2	
<i>Botryococcus</i>	3	50
<i>Pediastrum kawrayski</i>	15	50
<i>Pediastrum</i> , type K	100	50
<i>Pediastrum</i> , type X	7	50
<i>Pediastrum</i> , type Y	2	50
<i>Pediastrum</i> (undiff.)	<u>30</u>	50
Pollen sum	210.0	

Tulelake, Siskiyou County, California

Sample 870 -- Depth = 247.23 meters

Core 2, Slug 82

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	60	
Broken <i>Pinus</i> (halves)	76	
TCT	78	
<i>Quercus</i>	5	
Quercoids	2	
<i>Betula</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	14	
Artemisioids	3	
Cheno-Ams	8	
<i>Sarcobatus</i>	4	
High-spine Compositae	5	
Liguliflorae	2	
Poaceae (Gramineae)	2	
Cyperaceae	1	
<i>Potamogeton</i>	2	
<i>Typha/Sparganium</i>	4	
Tulelake Unknown A	4	
Unidentifiable	3	
<i>Botryococcus</i>	10	25
<i>Pediastrum</i> , type K	47	25
<i>Pediastrum</i> , type O	2	25
<i>Pediastrum</i> , type X	2	25
<i>Pediastrum</i> , type Y	5	25
<i>Pediastrum</i> (undiff.)	53	25
Pollen sum	237.0	

Tulelake, Siskiyou County, California

Sample 875 -- Depth = 250.28 meters

Core 2, Slug 83

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	53	
Broken <i>Pinus</i> (halves)	44	
<i>Abies</i>	1	
TCT	79	
<i>Quercus</i>	12	
Quercoids	3	
<i>Alnus</i>	1	
<i>Juglans</i>	4	
<i>Artemisia</i>	13	
Artemisioids	2	
Cheno-Ams	5	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Cyperaceae	1	
<i>Potamogeton</i>	2	
<i>Typha/Sparganium</i>	4	
<i>Eriogonum</i>	1	
Tulelake Unknown A	9	
Unidentifiable	2	
Unknowns	5	
<i>Botryococcus</i>	7	22
<i>Pediastrum kawrayski</i>	15	22
<i>Pediastrum</i> , type K	7	22
<i>Pediastrum</i> , type O	8	22
<i>Pediastrum</i> , type X	8	22
<i>Pediastrum</i> (undiff.)	<u>80</u>	22
Pollen sum	226.0	

Tulelake, Siskiyou County, California

Sample 1891 -- Depth = 251.68 meters

Core 2, Slug 83

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	128	
Broken <i>Pinus</i> (halves)	76	
TCT	12	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	4	
<i>Artemisia</i>	12	
Artemisioids	3	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	3	
Unidentifiable	5	
<i>Botryococcus</i>	9	—
<i>Pediastrum kawrayski</i>	100	11
<i>Pediastrum</i> , type X	1	11
<i>Pediastrum</i> , type Y	10	11
<i>Pediastrum</i> (undiff.)	<u>55</u>	11
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 883 -- Depth = 255.55 meters

Core 2, Slug 85

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	86	
Broken <i>Pinus</i> (halves)	70	
<i>Abies</i>	3	
TCT	47	
<i>Pseudotsuga</i>	1	
<i>Tsuga mertensiana</i>	1	
Quercoids	1	
<i>Alnus</i>	3	
<i>Artemisia</i>	14	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
Cyperaceae	3	
<i>Typha/Sparganium</i>	1	
Unidentifiable	3	
Unknowns	2	
<i>Botryococcus</i>	6	21
<i>Pediastrum kawrayski</i>	100	21
<i>Pediastrum</i> , type K	17	21
<i>Pediastrum</i> , type Y	2	21
<i>Pediastrum</i> (undiff.)	<u>7</u>	21
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 886 -- Depth = 258.41 meters

Core 2, Slug 86

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	45	
Broken <i>Pinus</i> (halves)	56	
TCT	105	
<i>Tsuga mertensiana</i>	1	
<i>Quercus</i>	5	
Quercoids	1	
<i>Alnus</i>	3	
<i>Artemisia</i>	7	
Artemisioids	2	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Low-spine Compositae	1	
Cyperaceae	3	
<i>Typha/Sparganium</i>	4	
Unidentifiable	2	
Unknowns	2	
<i>Botryococcus</i>	2	15
<i>Pediastrum kawrayski</i>	27	15
<i>Pediastrum</i> , type A	3	15
<i>Pediastrum</i> , type X	14	15
<i>Pediastrum</i> , type Y	2	15
<i>Pediastrum</i> (undiff.)	<u>100</u>	15
Pollen sum	214.0	

Tulelake, Siskiyou County, California

Sample 889 -- Depth = 259.75 meters

Core 2, Slug 86

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	102	
Broken <i>Pinus</i> (halves)	148	
<i>Abies</i>	2	
TCT	19	
<i>Alnus</i>	2	
<i>Artemisia</i>	13	
<i>Sarcobatus</i>	1	
High-spine Compositae	6	
Low-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	4	
<i>Isoetes</i>	1	
<i>Potamogeton</i>	2	
Tulelake Unknown A	2	
Unknowns	4	
<i>Botryococcus</i>	1	48
<i>Pediastrum</i> , type K	22	48
<i>Pediastrum</i> , type O	1	48
<i>Pediastrum</i> , type X	6	48
<i>Pediastrum</i> , type Y	13	48
<i>Pediastrum</i> (undiff.)	<u>75</u>	48
Pollen sum	238.0	

Tulelake, Siskiyou County, California

Sample 895 -- Depth = 262.43 meters

Core 2, Slug 87

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	40	
Broken <i>Pinus</i> (halves)	27	
TCT	98	
<i>Quercus</i>	9	
Quercoids	1	
<i>Betula</i>	1	
<i>Artemisia</i>	14	
Artemisioids	1	
Ericaceae	1	
Cheno-Ams	8	
<i>Sarcobatus</i>	1	
High-spine Compositae	1	
Low-spine Compositae	1	
Poaceae (Gramineae)	2	
<i>Typha/Sparganium</i>	4	
<i>Eriogonum</i>	1	
<i>Pterocarya</i>	1	
Unidentifiable	5	
Unknowns	2	
<i>Botryococcus</i>	8	25
<i>Pediastrum kawrayski</i>	22	25
<i>Pediastrum</i> , type K	12	25
<i>Pediastrum</i> , type X	58	25
<i>Pediastrum</i> , type Y	35	25
<i>Pediastrum</i> (undiff.)	<u>100</u>	25
Pollen sum	204.5	

Tulelake, Siskiyou County, California

Sample 910 -- Depth = 264.85 meters

Core 2, Slug 88

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	27	
Broken <i>Pinus</i> (halves)	90	
<i>Abies</i>	2	
TCT	121	
<i>Quercus</i>	2	
Quercoids	3	
<i>Juglans</i>	2	
<i>Artemisia</i>	2	
Artemisioids	2	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	3	
<i>Typha/Sparganium</i>	1	
Tulelake Unknown A	6	
Unknowns	3	
<i>Botryococcus</i>	67	—
<i>Pediastrum</i> (undiff.)	<u>100</u>	<u>41</u>
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 914 -- Depth = 268.33 meters

Core 2, Slug 89

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	97	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	4	
TCT	49	
<i>Quercus</i>	1	
Quercoids	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	9	
Artemisioids	1	
Rhamnaceae	1	
Cheno-Ams	1	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Unidentifiable	2	
<i>Botryococcus</i>	6	—
<i>Pediastrum kawrayski</i>	4	108
<i>Pediastrum</i> , type K	103	108
<i>Pediastrum</i> , type O	5	108
<i>Pediastrum</i> , type Y	4	108
<i>Pediastrum</i> (undiff.)	<u>21</u>	108
Pollen sum	215.0	

Tulelake, Siskiyou County, California

Sample 1391 -- Depth = 270.27 meters

Core 2, Slug 89

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	82	
Broken <i>Pinus</i> (halves)	98	
<i>Abies</i>	2	
TCT	55	
<i>Quercus</i>	1	
Quercoids	5	
<i>Alnus</i>	1	
<i>Artemisia</i>	22	
Artemisioids	2	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Low-spine Compositae	3	
Poaceae (Gramineae)	2	
Cyperaceae	4	
<i>Nuphar</i>	1	
<i>Typha/Sparganium</i>	2	
Unidentifiable	1	
<i>Botryococcus</i>	28	87
<i>Pediastrum kawrayski</i>	8	87
<i>Pediastrum</i> , type A	4	87
<i>Pediastrum</i> , type K	100	87
<i>Pediastrum</i> , type X	10	87
<i>Pediastrum</i> , type Y	55	87
<i>Pediastrum</i> (undiff.)	<u>32</u>	87
Pollen sum	237.0	

Tulelake, Siskiyou County, California

Sample 927 -- Depth = 271.52 meters

Core 2, Slug 90

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	62	
Broken <i>Pinus</i> (halves)	116	
<i>Abies</i>	5	
TCT	51	
<i>Quercus</i>	16	
<i>Alnus</i>	1	
<i>Artemisia</i>	22	
Cheno-Ams	3	
Low-spine Compositae	1	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	2	
<i>Botryococcus</i>	16	—
<i>Coelastrum</i>	1	—
<i>Pediastrum kawrayski</i>	6	12
<i>Pediastrum</i> , type K	25	12
<i>Pediastrum</i> , type X	2	12
<i>Pediastrum</i> , type Y	11	12
<i>Pediastrum</i> (undiff.)	<u>106</u>	12
Pollen sum	223.0	

Tulelake, Siskiyou County, California

Sample 933 -- Depth = 273.72 meters

Core 2, Slug 91

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	39	
Broken <i>Pinus</i> (halves)	44	
<i>Abies</i>	1	
TCT	106	
<i>Quercus</i>	5	
Quercoids	4	
<i>Celtis</i>	2	
<i>Alnus</i>	2	
<i>Artemisia</i>	22	
Ericaceae	2	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Poaceae (Gramineae)	4	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Tulelake Unknown C	4	
Unidentifiable	7	
<i>Botryococcus</i>	12	28
<i>Pediastrum kawrayski</i>	5	28
<i>Pediastrum</i> , type O	6	28
<i>Pediastrum</i> , type Y	2	28
<i>Pediastrum</i> (undiff.)	<u>100</u>	28
Pollen sum	228.0	

Tulelake, Siskiyou County, California

Sample 936 -- Depth = 274.72 meters

Core 2, Slug 91

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	37	
Broken <i>Pinus</i> (halves)	100	
<i>Abies</i>	3	
TCT	126	
<i>Quercus</i>	6	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	17	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Unidentifiable	1	
Unknowns	2	
<i>Botryococcus</i>	46	—
<i>Pediastrum</i> , type K	100	183
<i>Pediastrum</i> , type X	8	183
<i>Pediastrum</i> , type Y	9	183
<i>Pediastrum</i> (undiff.)	53	183
Pollen sum	250.0	

Tulelake, Siskiyou County, California

Sample 939 -- Depth = 275.72 meters

Core 2, Slug 91

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	52	
Broken <i>Pinus</i> (halves)	32	
<i>Abies</i>	4	
TCT	102	
<i>Quercus</i>	3	
Quercoids	2	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	12	
Poaceae (Gramineae)	1	
Cyperaceae	2	
<i>Potamogeton</i>	1	
<i>Typha/Sparganium</i>	1	
Umbelliferae	2	
Tulelake Unknown A	1	
Unidentifiable	1	
Unknowns	2	
<i>Botryococcus</i>	52	—
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	48	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	28	—
<i>Pediastrum</i> (undiff.)	<u>3</u>	—
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 941 -- Depth = 276.22 meters

Core 2, Slug 91

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	22	
Broken <i>Pinus</i> (halves)	96	
<i>Abies</i>	1	
TCT	123	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	7	
<i>Artemisia</i>	18	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	1	
Unidentifiable	4	
Unknowns	2	
<i>Botryococcus</i>	22	—
<i>Pediastrum kawrayski</i>	1	—
<i>Pediastrum</i> , type K	18	—
<i>Pediastrum</i> , type O	28	—
<i>Pediastrum</i> , type X	13	—
<i>Pediastrum</i> , type Y	5	—
<i>Pediastrum</i> (undiff.)	<u>29</u>	—
Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 1892 -- Depth = 279.68 meters

Core 2, Slug 93

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	150	
TCT	66	
<i>Quercus</i>	1	
Quercoids	2	
<i>Alnus</i>	1	
<i>Betula</i>	1	
<i>Artemisia</i>	9	
Unidentifiable	9	
Unknowns	1	
<i>Botryococcus</i>	21	—
<i>Pediastrum</i> , type Y	<u>1</u>	—
Pollen sum	220.0	

Tulelake, Siskiyou County, California

Sample 1397 -- Depth = 280.87 meters

Core 2, Slug 93

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	19	
Broken <i>Pinus</i> (halves)	82	
<i>Abies</i>	5	
TCT	194	
<i>Quercus</i>	7	
<i>Alnus</i>	1	
<i>Salix</i>	1	
<i>Artemisia</i>	26	
<i>Typha/Sparganium</i>	2	
Unidentifiable	3	
<i>Botryococcus</i>	89	—
<i>Coelastrum</i>	2	—
<i>Pediastrum kawrayski</i>	100	42
<i>Pediastrum</i> , type X	2	42
<i>Pediastrum</i> , type Y	<u>2</u>	42
Pollen sum	299.0	

Tulelake, Siskiyou County, California

Sample 948 -- Depth = 281.87 meters

Core 2, Slug 93

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	34	
Broken <i>Pinus</i> (halves)	66	
<i>Abies</i>	5	
TCT	109	
Quercoids	1	
<i>Betula</i>	1	
<i>Juglans</i>	1	
<i>Tilia</i>	1	
<i>Artemisia</i>	14	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	38	75
<i>Pediastrum kawrayski</i>	26	75
<i>Pediastrum</i> , type A	8	75
<i>Pediastrum</i> , type K	38	75
<i>Pediastrum</i> , type O	10	75
<i>Pediastrum</i> , type X	6	75
<i>Pediastrum</i> , type Y	100	75
<i>Pediastrum</i> (undiff.)	<u>57</u>	75
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 953 -- Depth = 283.82 meters

Core 2, Slug 94

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	52	
Broken <i>Pinus</i> (halves)	36	
TCT	144	
<i>Quercus</i>	3	
<i>Salix</i>	2	
<i>Artemisia</i>	4	
Cheno-Ams	1	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
<i>Typha/Sparganium</i>	2	
<i>Botryococcus</i>	22	—
<i>Pediastrum</i> , type K	20	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	<u>7</u>	—
Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 962 -- Depth = 285.87 meters

Core 2, Slug 95

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	55	
Broken <i>Pinus</i> (halves)	70	
<i>Abies</i>	1	
TCT	229	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	6	
Quercoids	5	
<i>Artemisia</i>	5	
Artemisioids	8	
Cheno-Ams	3	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
Cyperaceae	5	
<i>Isoetes</i>	1	
<i>Potamogeton</i>	5	
Malvaceae	1	
Clear Lake Unknown A	1	
Unknowns	6	
<i>Botryococcus</i>	62	—
<i>Pediastrum</i> (undiff.)	<u>110</u>	—
Pollen sum	370.0	

Tulelake, Siskiyou County, California

Sample 966 -- Depth = 287.87 meters

Core 2, Slug 95

Type	Count	Pollen Sum when counting stopped
Whole <i>Pinus</i>	32	
Broken <i>Pinus</i> (halves)	46	
TCT	126	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	8	
Quercoids	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	8	
Cheno-Ams	3	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Unknowns	1	
<i>Botryococcus</i>	11	—
<i>Pediastrum</i> , type K	32	—
<i>Pediastrum</i> , type N	1	—
<i>Pediastrum</i> (undiff.)	13	—
Pollen sum	206.0	

Tulelake, Siskiyou County, California

Sample 972 -- Depth = 289.91 meters

Core 2, Slug 96

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	30	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	2	
TCT	162	
<i>Quercus</i>	4	
<i>Salix</i>	1	
<i>Artemisia</i>	13	
Cheno-Ams	3	
Poaceae (Gramineae)	1	
<i>Typha/Sparganium</i>	2	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	31	—
<i>Pediastrum</i> , type K	34	—
<i>Pediastrum</i> , type O	1	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> , type Y	8	—
<i>Pediastrum</i> (undiff.)	<u>13</u>	—
Pollen sum	263.0	

Tulelake, Siskiyou County, California

Sample 977 -- Depth = 290.41 meters

Core 2, Slug 96

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	29	
Broken <i>Pinus</i> (halves)	34	
<i>Abies</i>	6	
<i>Picea</i>	2	
TCT	102	
<i>Tsuga heterophylla</i>	2	
<i>Quercus</i>	4	
Quercoids	2	
<i>Alnus</i>	1	
<i>Artemisia</i>	7	
Artemisioids	7	
Rhamnaceae	1	
High-spine Compositae	1	
Cyperaceae	12	
Labiatae	1	
Unidentifiable	5	
Unknowns	6	
<i>Botryococcus</i>	47	—
<i>Pediastrum kawrayski</i>	1	—
<i>Pediastrum</i> , type A	1	—
<i>Pediastrum</i> , type K	4	—
<i>Pediastrum</i> , type X	2	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	16	—
<i>Peridinium</i> cysts	1	—
	<hr/>	
Pollen sum	205.0	

Tulelake, Siskiyou County, California

Sample 979 -- Depth = 291.52 meters

Core 2, Slug 96

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	33	
Broken <i>Pinus</i> (halves)	106	
TCT	121	
<i>Quercus</i>	6	
<i>Salix</i>	1	
<i>Artemisia</i>	12	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	9	
Cyperaceae	3	
Unknowns	1	
<i>Botryococcus</i>	24	—
<i>Pediastrum kawrayski</i>	9	—
<i>Pediastrum</i> , type K	30	—
<i>Pediastrum</i> , type O	2	—
<i>Pediastrum</i> , type X	13	—
<i>Pediastrum</i> , type Y	7	—
<i>Pediastrum</i> (undiff.)	<u>17</u>	—
Pollen sum	241.0	

Tulelake, Siskiyou County, California

Sample 983 -- Depth = 292.41 meters

Core 2, Slug 97

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	84	
TCT	78	
<i>Quercus</i>	4	
Quercoids	3	
<i>Artemisia</i>	12	
Artemisioids	2	
Poaceae (Gramineae)	2	
<i>Botryococcus</i>	19	—
<i>Pediastrum kawrayski</i>	5	—
<i>Pediastrum</i> , type K	71	—
<i>Pediastrum</i> (undiff.)	<u>74</u>	—
Pollen sum	201.0	

Tulelake, Siskiyou County, California

Sample 987 -- Depth = 293.76 meters

Core 2, Slug 97

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	78	
Broken <i>Pinus</i> (halves)	120	
<i>Abies</i>	2	
TCT	57	
<i>Quercus</i>	6	
<i>Artemisia</i>	32	
Cheno-Ams	5	
<i>Sarcobatus</i>	1	
High-spine Compositae	3	
Low-spine Compositae	2	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	4	—
<i>Pediastrum kawrayski</i>	17	—
<i>Pediastrum</i> , type K	31	—
<i>Pediastrum</i> , type O	3	—
<i>Pediastrum</i> , type X	35	—
<i>Pediastrum</i> , type Y	1	—
<i>Pediastrum</i> (undiff.)	<u>52</u>	—
Pollen sum	250.0	

Tulelake, Siskiyou County, California

Sample 989 -- Depth = 294.66 meters

Core 2, Slug 97

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	70	
Broken <i>Pinus</i> (halves)	60	
<i>Abies</i>	3	
TCT	51	
<i>Tsuga heterophylla</i>	2	
<i>Quercus</i>	7	
Quercoids	4	
<i>Artemisia</i>	21	
Artemisioids	6	
Cheno-Ams	4	
<i>Sarcobatus</i>	1	
High-spine Compositae	6	
Low-spine Compositae	1	
Poaceae (Gramineae)	4	
Cyperaceae	4	
<i>Potamogeton</i>	2	
<i>Typha/Sparganium</i>	3	
<i>Polygonum persicaria</i>	1	
Malvaceae	1	
Tulelake Unknown A	1	
Unknowns	1	
<i>Botryococcus</i>	12	—
<i>Pediastrum kawrayski</i>	23	—
<i>Pediastrum</i> , type K	50	—
<i>Pediastrum</i> , type X	3	—
<i>Pediastrum</i> (undiff.)	<u>1</u>	—
Pollen sum	223.0	

Tulelake, Siskiyou County, California

Sample 992 -- Depth = 297.98 meters

Core 2, Slug 99

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	62	
TCT	59	
<i>Quercus</i>	13	
Quercoids	2	
<i>Ostrya/Carpinus</i>	1	
<i>Artemisia</i>	14	
Artemisioids	3	
Cheno-Ams	2	
<i>Sarcobatus</i> , type A	1	
High-spine Compositae	9	
Low-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	8	
<i>Polygonum persicaria</i>	1	
Unidentifiable	3	
Unknowns	3	
<i>Botryococcus</i>	25	—
<i>Pediastrum kawrayski</i>	28	—
<i>Pediastrum</i> , type K	62	—
<i>Pediastrum</i> , type X	4	—
<i>Pediastrum</i> (undiff.)	<u>13</u>	—
Pollen sum	221.0	

Tulelake, Siskiyou County, California

Sample 996 -- Depth = 299.36 meters

Core 2, Slug 99

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	89	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	3	
TCT	28	
<i>Quercus</i>	1	
<i>Artemisia</i>	24	
Artemisioids	3	
Cheno-Ams	3	
<i>Sarcobatus</i>	1	
High-spine Compositae	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	5	
Cyperaceae	2	
<i>Polygonum persicaria</i>	2	
Unknowns	1	
<i>Pediastrum</i> , type K	36	—
<i>Pediastrum</i> , type X	1	—
<i>Pediastrum</i> (undiff.)	<u>13</u>	—
Pollen sum	207.0	

Tulelake, Siskiyou County, California

Sample 1005 -- Depth = 301.12 meters

Core 2, Slug 100

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	88	
Broken <i>Pinus</i> (halves)	94	
<i>Abies</i>	3	
<i>Picea</i>	1	
TCT	46	
<i>Tsuga heterophylla</i>	2	
<i>Tsuga mertensiana</i>	1	
<i>Arceuthobium</i>	2	
<i>Lithocarpus/Chrysolepis</i>	1	
<i>Alnus</i>	1	
<i>Juglans</i>	2	
<i>Artemisia</i>	2	
Cheno-Ams	1	
High-spine Compositae	5	
Poaceae (Gramineae)	1	
Cyperaceae	10	
Rosaceae	1	
Unidentifiable	4	
Unknowns	4	
<i>Botryococcus</i>	33	193
<i>Pediastrum kawrayski</i>	4	193
<i>Pediastrum</i> , type K	100	193
<i>Pediastrum</i> , type O	1	193
<i>Pediastrum</i> , type X	5	193
<i>Pediastrum</i> (undiff.)	<u>5</u>	193
Pollen sum	222.0	

Tulelake, Siskiyou County, California

Sample 1009 -- Depth = 302.11 meters

Core 2, Slug 100

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	131	
Broken <i>Pinus</i> (halves)	60	
<i>Abies</i>	3	
TCT	27	
Quercoids	3	
<i>Salix</i>	1	
<i>Artemisia</i>	8	
Rhamnaceae	1	
Cheno-Ams	2	
<i>Sarcobatus</i>	1	
High-spine Compositae	5	
Low-spine Compositae	1	
Poaceae (Gramineae)	6	
Cyperaceae	1	
<i>Typha/Sparganium</i>	2	
Caryophyllaceae	1	
Unidentifiable	3	
Unknowns	1	
<i>Botryococcus</i>	8	—
<i>Pediastrum kawrayski</i>	7	—
<i>Pediastrum</i> , type K	49	—
<i>Pediastrum</i> (undiff.)	21	—
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1019 -- Depth = 305.48 meters

Core 2, Slug 101

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	129	
Broken <i>Pinus</i> (halves)	42	
<i>Abies</i>	1	
TCT	45	
<i>Quercus</i>	1	
Quercoids	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	7	
Artemisioids	3	
Cheno-Ams	3	
High-spine Compositae	4	
Liguliflorae	1	
Poaceae (Gramineae)	3	
Cyperaceae	4	
Tulelake Unknown A	1	
Unidentifiable	2	
Unknowns	4	
<i>Botryococcus</i>	20	—
<i>Pediastrum kawrayski</i>	4	—
<i>Pediastrum</i> , type K	59	—
<i>Pediastrum</i> , type X	2	—
<i>Pediastrum</i> (undiff.)	3	—
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Pollen sum	231.0	

Tulelake, Siskiyou County, California

Sample 1027 -- Depth = 308.15 meters

Core 2, Slug 102

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	111	
Broken <i>Pinus</i> (halves)	114	
<i>Abies</i>	1	
TCT	26	
<i>Quercus</i>	1	
<i>Alnus</i>	1	
<i>Juglans</i>	2	
<i>Artemisia</i>	7	
Artemisioids	2	
Cheno-Ams	2	
<i>Sarcobatus</i>	2	
High-spine Compositae	1	
Poaceae (Gramineae)	2	
Cyperaceae	2	
Unidentifiable	3	
<i>Botryococcus</i>	<u>25</u>	—
Pollen sum	220.0	

Tulelake, Siskiyou County, California

Sample 1055 -- Depth = 310.67 meters

Core 2, Slug 103

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	82	
Broken <i>Pinus</i> (halves)	88	
<i>Abies</i>	3	
TCT	78	
<i>Pseudotsuga</i>	1	
<i>Quercus</i>	1	
<i>Artemisia</i>	1	
Cheno-Ams	1	
Poaceae (Gramineae)	3	
Cyperaceae	3	
<i>Botryococcus</i>	53	—
<i>Pediastrum</i> , type K	54	—
<i>Pediastrum</i> , type X	5	—
<i>Pediastrum</i> (undiff.)	<u>2</u>	—
Pollen sum	217.0	

Tulelake, Siskiyou County, California

Sample 1054 -- Depth = 312.96 meters

Core 2, Slug 103

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	32	
Broken <i>Pinus</i> (halves)	54	
<i>Abies</i>	8	
TCT	141	
<i>Arceuthobium</i>	1	
<i>Quercus</i>	9	
Quercoids	2	
<i>Artemisia</i>	6	
High-spine Compositae	1	
Cyperaceae	1	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
<i>Botryococcus</i>	17	—
<i>Pediastrum</i> , type K	101	140
<i>Pediastrum</i> (undiff.)	25	140
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Pollen sum	230.0	

Tulelake, Siskiyou County, California

Sample 1070 -- Depth = 314.95 meters

Core 2, Slug 104

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	60	
Broken <i>Pinus</i> (halves)	54	
<i>Abies</i>	2	
TCT	54	
<i>Quercus</i>	7	
Quercoids	6	
<i>Artemisia</i>	22	
Artemisioids	7	
High-spine Compositae	4	
Low-spine Compositae	1	
Liguliflorae	1	
Poaceae (Gramineae)	4	
Cyperaceae	7	
Unknowns	2	
<i>Pediastrum</i> (undiff.)	<u>100</u>	37
Pollen sum	204.0	

Tulelake, Siskiyou County, California

Sample 1069 -- Depth = 315.55 meters

Core 2, Slug 104

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	66	
Broken <i>Pinus</i> (halves)	144	
<i>Abies</i>	3	
TCT	49	
<i>Quercus</i>	5	
Quercoids	1	
<i>Alnus</i>	3	
<i>Betula</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	44	
Cheno-Ams	6	
<i>Sarcobatus</i>	4	
High-spine Compositae	6	
Low-spine Compositae	3	
Poaceae (Gramineae)	5	
<i>Typha/Sparganium</i>	2	
<i>Polygonum persicaria</i>	1	
<i>Eriogonum</i>	1	
Unidentifiable	4	
<i>Botryococcus</i>	19	—
<i>Pediastrum kawrayski</i>	2	—
<i>Pediastrum</i> , type K	120	—
<i>Pediastrum</i> , type O	2	—
<i>Pediastrum</i> , type X	16	—
<i>Pediastrum</i> (undiff.)	<u>12</u>	—
Pollen sum	277.0	

Tulelake, Siskiyou County, California

Sample 1081 -- Depth = 316.78 meters

Core 2, Slug 105

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	58	
Broken <i>Pinus</i> (halves)	156	
<i>Abies</i>	6	
TCT	52	
<i>Quercus</i>	4	
Quercoids	1	
<i>Artemisia</i>	16	
Cheno-Ams	2	
Poaceae (Gramineae)	3	
Cyperaceae	3	
Unidentifiable	3	
Unknowns	1	
<i>Pediastrum</i> , type K	82	—
<i>Pediastrum</i> , type X	8	—
<i>Pediastrum</i> (undiff.)	<u>50</u>	—
Pollen sum	227.0	

Tulelake, Siskiyou County, California

Sample 1077 -- Depth = 317.45 meters

Core 2, Slug 105

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	94	
Broken <i>Pinus</i> (halves)	200	
<i>Abies</i>	2	
TCT	50	
<i>Quercus</i>	2	
<i>Artemisia</i>	6	
Cheno-Ams	3	
High-spine Compositae	2	
Low-spine Compositae	1	
Poaceae (Gramineae)	8	
Cyperaceae	1	
Unidentifiable	1	
Unknowns	1	
<i>Pediastrum</i> , type K	104	196
<i>Pediastrum</i> , type O	3	196
<i>Pediastrum</i> , type X	15	196
<i>Pediastrum</i> (undiff.)	<u>21</u>	196
Pollen sum	271.0	

Tulelake, Siskiyou County, California

Sample 1078 -- Depth = 318.30 meters

Core 2, Slug 105

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	151	
Broken <i>Pinus</i> (halves)	64	
<i>Abies</i>	2	
TCT	22	
Quercoids	1	
<i>Alnus</i>	1	
<i>Artemisia</i>	2	
Cheno-Ams	1	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
Cyperaceae	2	
Unidentifiable	1	
<i>Pediastrum kawrayski</i>	2	111
<i>Pediastrum</i> , type K	100	111
<i>Pediastrum</i> , type N	<u>1</u>	111
Pollen sum	218.0	

Tulelake, Siskiyou County, California

Sample 1096 -- Depth = 320.75 meters

Core 2, Slug 106

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	76	
<i>Abies</i>	1	
TCT	98	
<i>Quercus</i>	4	
Quercoids	1	
<i>Celtis</i>	1	
<i>Artemisia</i>	15	
<i>Sarcobatus</i>	1	
Poaceae (Gramineae)	1	
Cyperaceae	1	
<i>Potamogeton</i>	2	
Tulelake Unknown A	4	
Unidentifiable	1	
Unknowns	1	
<i>Botryococcus</i>	70	—
<i>Pediastrum</i> , type K	43	—
<i>Pediastrum</i> , type X	6	—
<i>Pediastrum</i> (undiff.)	23	—
	<hr style="width: 100%;"/>	
Pollen sum	234.0	

Tulelake, Siskiyou County, California

Sample 1100 -- Depth = 322.95 meters

Core 2, Slug 107

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	65	
Broken <i>Pinus</i> (halves)	78	
<i>Abies</i>	2	
TCT	85	
<i>Quercus</i>	7	
Quercoids	4	
<i>Alnus</i>	1	
<i>Artemisia</i>	5	
Artemisioids	5	
High-spine Compositae	2	
Poaceae (Gramineae)	1	
Cyperaceae	7	
Caryophyllaceae	1	
<i>Polygonum persicaria</i>	1	
Unidentifiable	5	
Unknowns	4	
<i>Botryococcus</i>	55	—
<i>Pediastrum</i> , type K	108	—
<i>Pediastrum</i> (undiff.)	4	—
Pollen sum	234.0	

Tulelake, Siskiyou County, California

Sample 1105 -- Depth = 325.12 meters

Core 2, Slug 107

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	64	
Broken <i>Pinus</i> (halves)	103	
TCT	111	
<i>Quercus</i>	8	
<i>Betula</i>	1	
<i>Corylus</i>	2	
<i>Artemisia</i>	12	
<i>Sarcobatus</i>	2	
High-spine Compositae	3	
Poaceae (Gramineae)	1	
Unidentifiable	2	
<i>Botryococcus</i>	64	—
<i>Pediastrum</i> , type K	28	—
<i>Pediastrum</i> , type X	88	—
<i>Pediastrum</i> , type Y	8	—
<i>Pediastrum</i> (undiff.)	<u>86</u>	—
Pollen sum	257.5	

Tulelake, Siskiyou County, California

Sample 1114 -- Depth = 326.00 meters

Core 2, Slug 108

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	61	
Broken <i>Pinus</i> (halves)	116	
<i>Abies</i>	6	
<i>Picea</i>	5	
TCT	87	
<i>Quercus</i>	4	
Quercoids	1	
<i>Alnus</i>	1	
Artemisioids	5	
Ericaceae	1	
Rhamnaceae	1	
Poaceae (Gramineae)	1	
Cyperaceae	3	
<i>Polygonum californicum</i>	1	
Clear Lake Unknown A	1	
Unidentifiable	4	
Unknowns	2	
<i>Botryococcus</i>	42	—
<i>Pediastrum kawrayski</i>	96	—
<i>Pediastrum</i> , type X	17	—
<i>Pediastrum</i> (undiff.)	<u>30</u>	—
Pollen sum	242.0	

Tulelake, Siskiyou County, California

Sample 1117 -- Depth = 327.13 meters

Core 2, Slug 108

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	72	
Broken <i>Pinus</i> (halves)	72	
<i>Abies</i>	6	
TCT	97	
<i>Quercus</i>	4	
Quercoids	3	
<i>Alnus</i>	1	
<i>Juglans</i>	2	
<i>Artemisia</i>	8	
High-spine Compositae	2	
Cyperaceae	4	
<i>Typha/Sparganium</i>	1	
Tulelake Unknown A	3	
Unidentifiable	2	
Unknowns	1	
<i>Botryococcus</i>	81	116
<i>Pediastrum</i> , type K	100	116
<i>Pediastrum</i> (undiff.)	<u>7</u>	116
Pollen sum	242.0	

Tulelake, Siskiyou County, California

Sample 1129 -- Depth = 328.42 meters

Core 2, Slug 109

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	70	
Broken <i>Pinus</i> (halves)	66	
<i>Abies</i>	1	
TCT	80	
<i>Quercus</i>	4	
Quercoids	3	
<i>Alnus</i>	1	
<i>Juglans</i>	1	
<i>Artemisia</i>	5	
Cheno-Ams	1	
High-spine Compositae	1	
Poaceae (Gramineae)	1	
Cyperaceae	2	
Clear Lake Unknown A	1	
Unidentifiable	2	
Unknowns	3	
<i>Botryococcus</i>	100	173
<i>Pediastrum</i> , type K	84	173
<i>Pediastrum</i> , type X	2	173
<i>Pediastrum</i> (undiff.)	<u>11</u>	173
Pollen sum	209.0	

Tulelake, Siskiyou County, California

Sample 1126 -- Depth = 329.31 meters

Core 2, Slug 109

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	57	
Broken <i>Pinus</i> (halves)	60	
<i>Abies</i>	6	
TCT	139	
<i>Quercus</i>	6	
<i>Alnus</i>	1	
<i>Artemisia</i>	6	
Poaceae (Gramineae)	1	
Cyperaceae	2	
<i>Typha/Sparganium</i>	1	
Unidentifiable	1	
Unknowns	2	
<i>Botryococcus</i>	33	80
<i>Pediastrum</i> , type K	100	80
<i>Pediastrum</i> (undiff.)	<u>2</u>	80
Pollen sum	252.0	

Tulelake, Siskiyou County, California

Sample 1125 -- Depth = 331.20 meters

Core 2, Slug 109

<u>Type</u>	<u>Count</u>	<u>Pollen Sum when counting stopped</u>
Whole <i>Pinus</i>	144	
Broken <i>Pinus</i> (halves)	84	
<i>Abies</i>	1	
TCT	10	
Quercoids	4	
<i>Juglans</i>	1	
<i>Artemisia</i>	2	
Artemisioids	6	
Cheno-Ams	1	
High-spine Compositae	3	
Poaceae (Gramineae)	3	
Cyperaceae	5	
Clear Lake Unknown A	1	
Unknowns	4	
<i>Botryococcus</i>	23	178
<i>Pediastrum</i> (undiff.)	<u>100</u>	178
Pollen sum	227.0	