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FINAL REPORT

PART 2 of 2

A Description and Numerical Analysis of the Factors Affecting the Processes of Production in the Gulf of Alaska

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Key to Figures 31 to 79

These figures show the northeast Subarctic Pacific divided into zones as in Figure 25. The graph drawn within the boundaries of each zone shows the variation of a variable within that zone. Some graphs were too large for the boundaries of their zones and were drawn above the zone in the margin. The circled number adjacent to a graph in the margin indicates the zone which it represents. The graph for zone 33, Ocean Weather Station "P", is always located in the upper right corner of the map and is labelled with the units and scale for each map.

A point on a graph represents the mean of all measurements for that season, that zone, and that depth range.

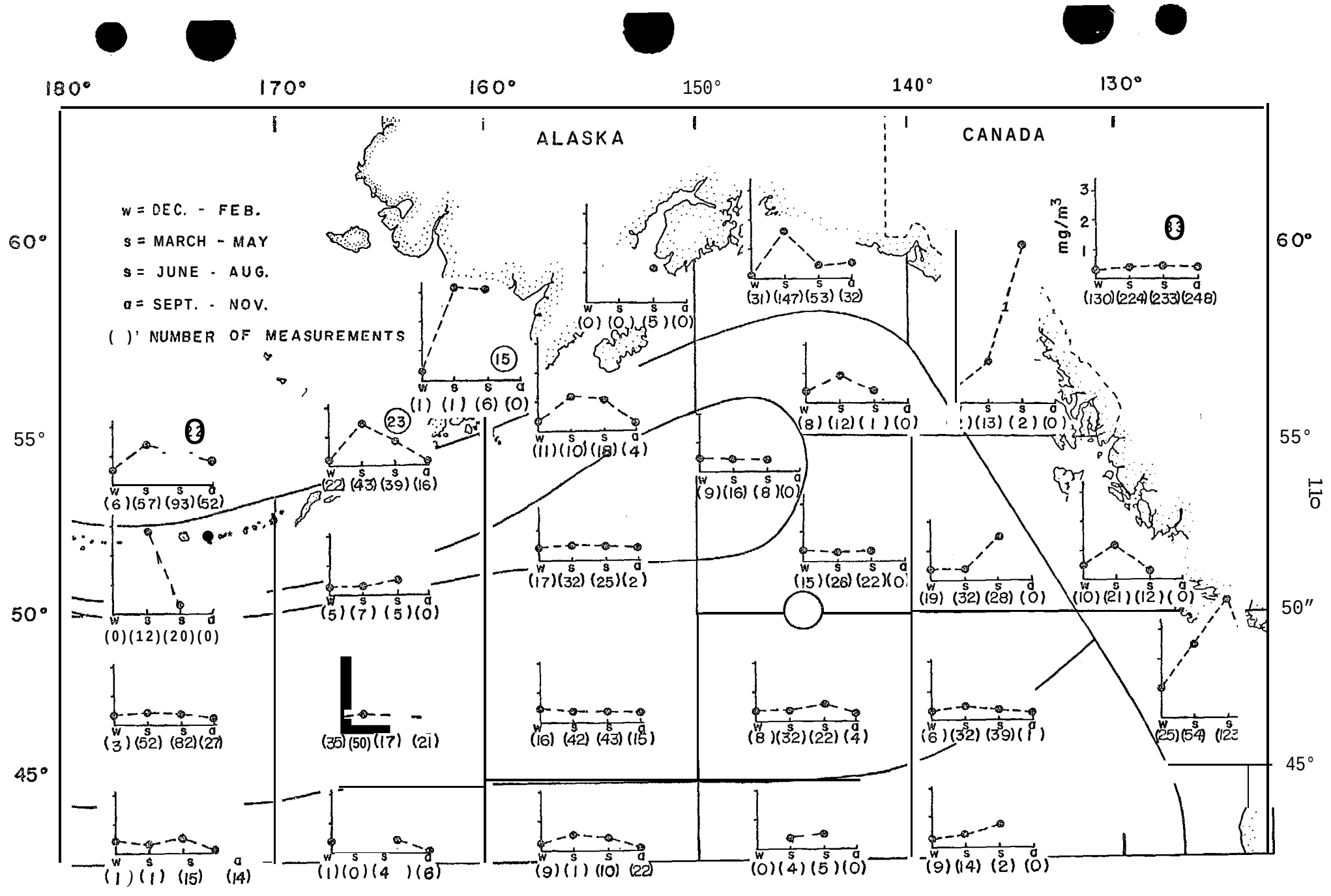


Figure 31. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll a per cubic meter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

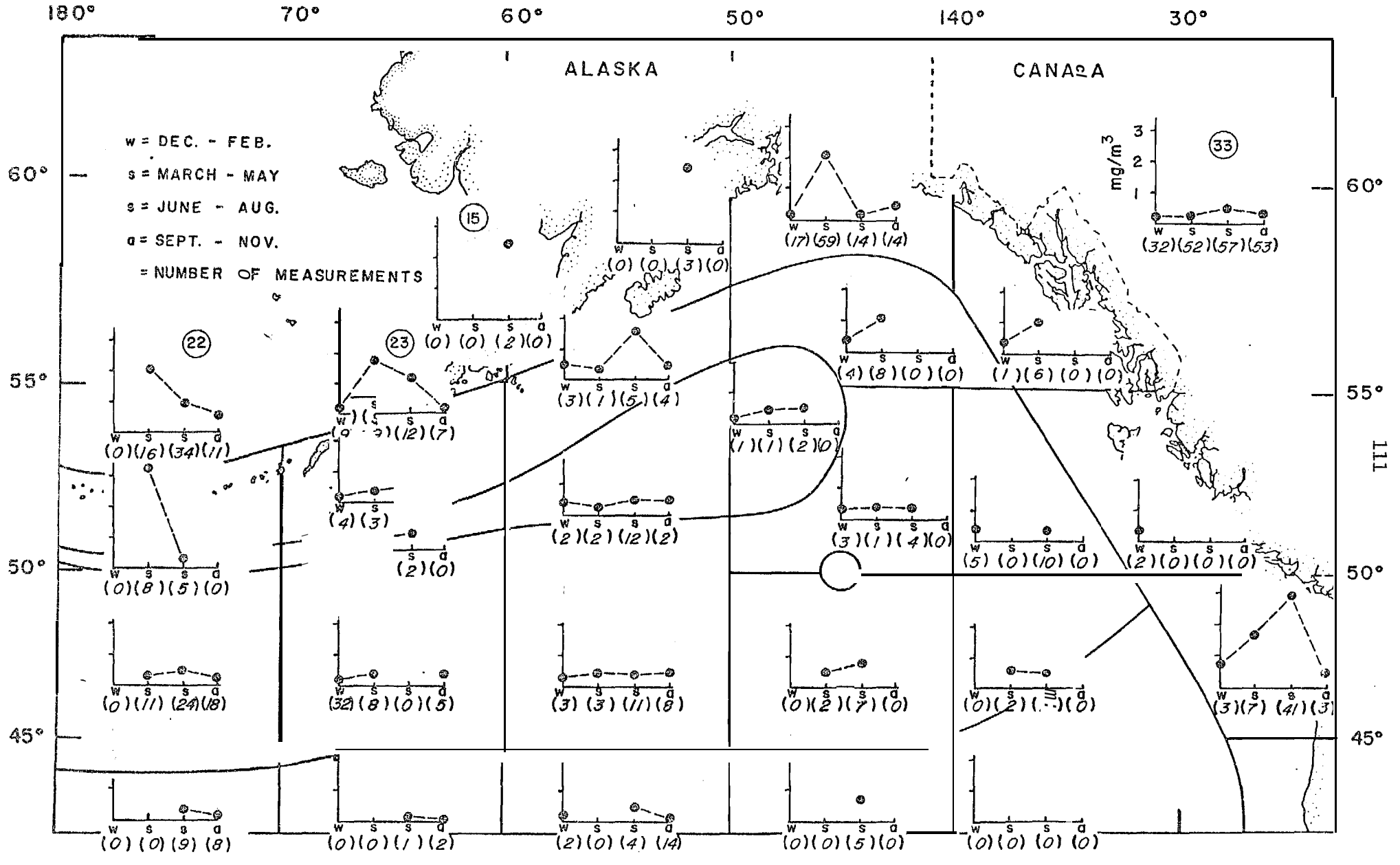


Figure 32. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll a per cubic meter) in the eastern Subarctic Pacific for the years 1953 through 1974, and the depth range 10.1 to 25 meters.

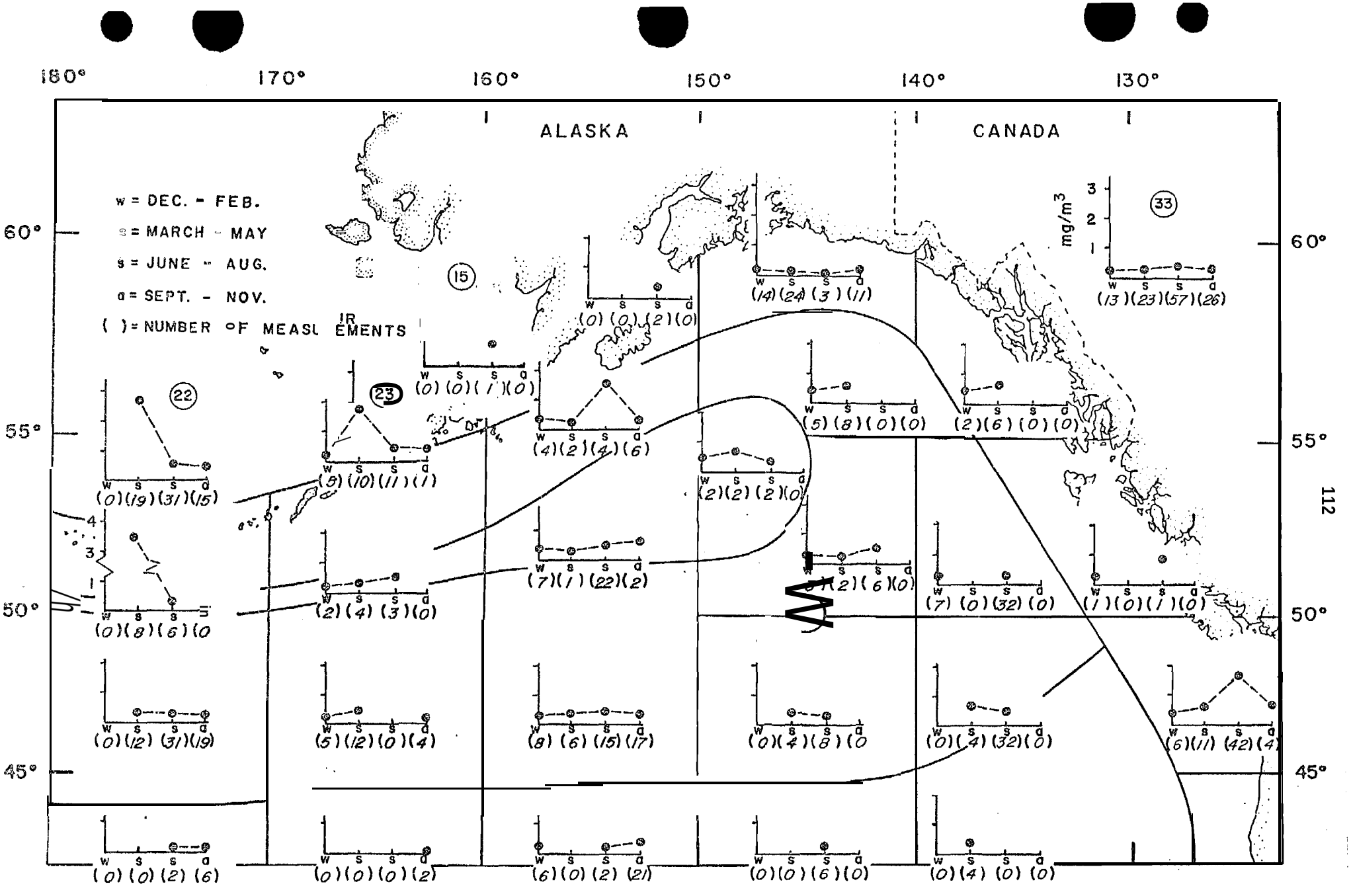


Figure 33. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll a per cubic meter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

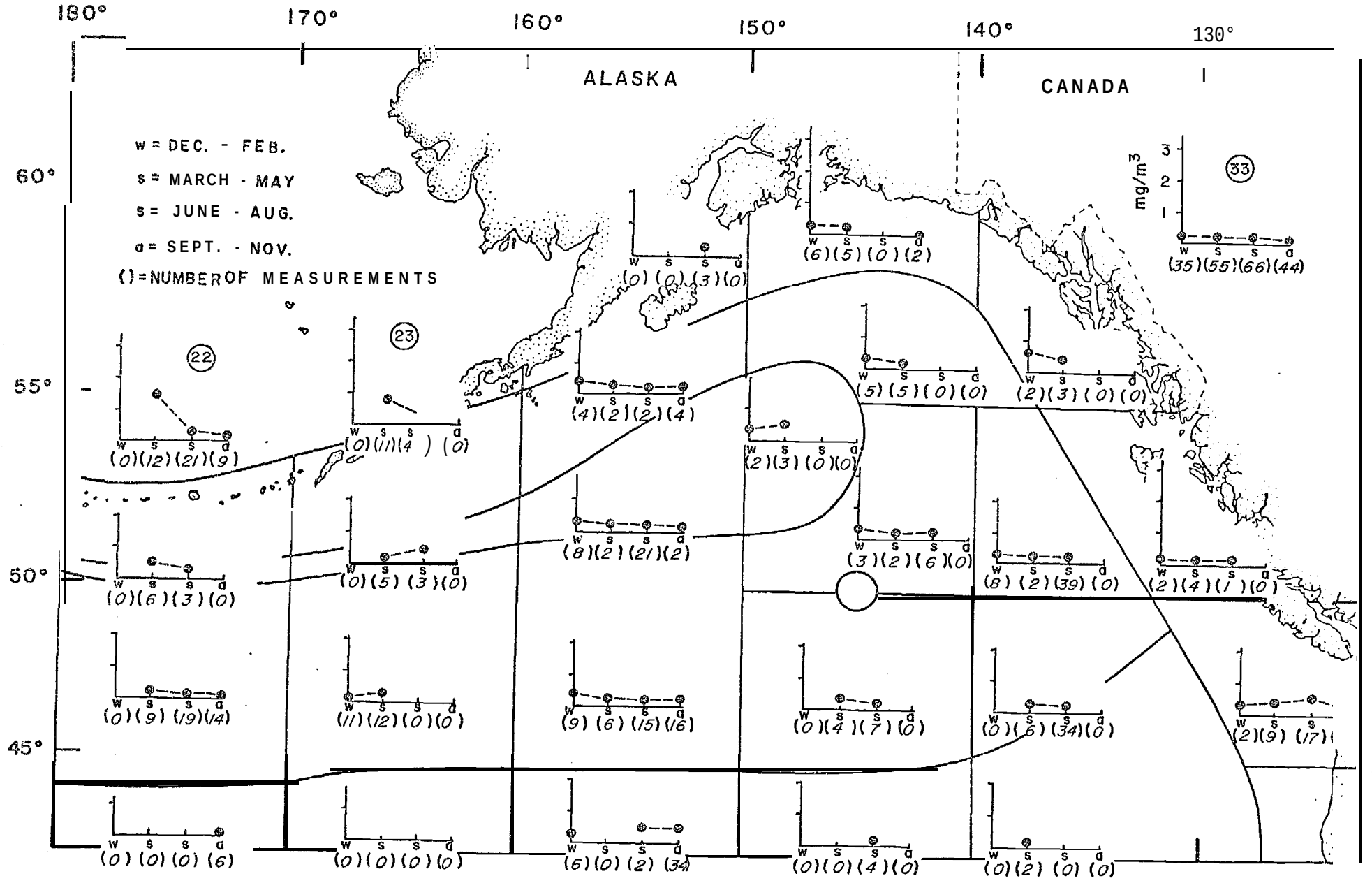


Figure 34. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll per cubic meter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

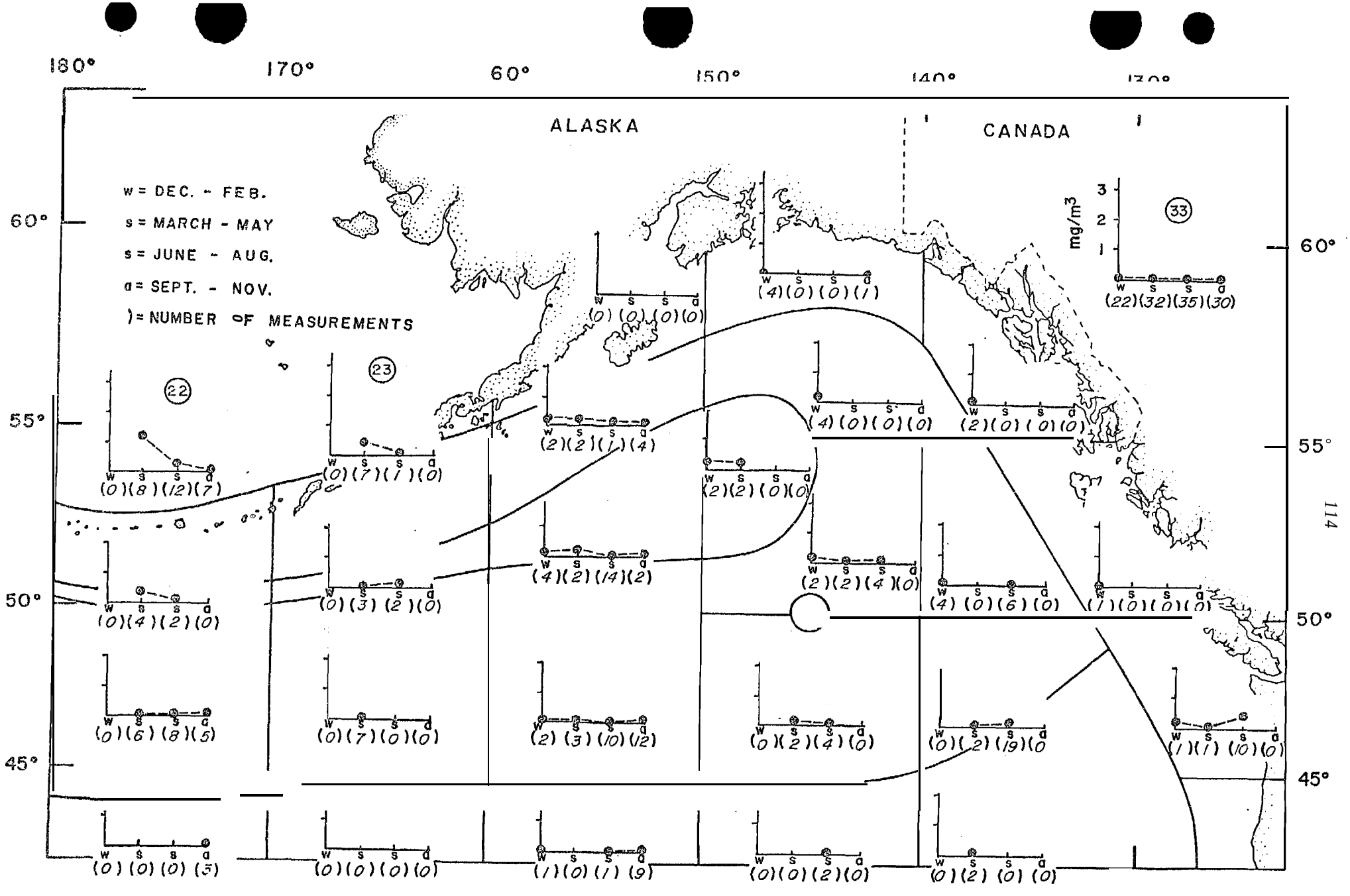


Figure 35. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll a per cubic meter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

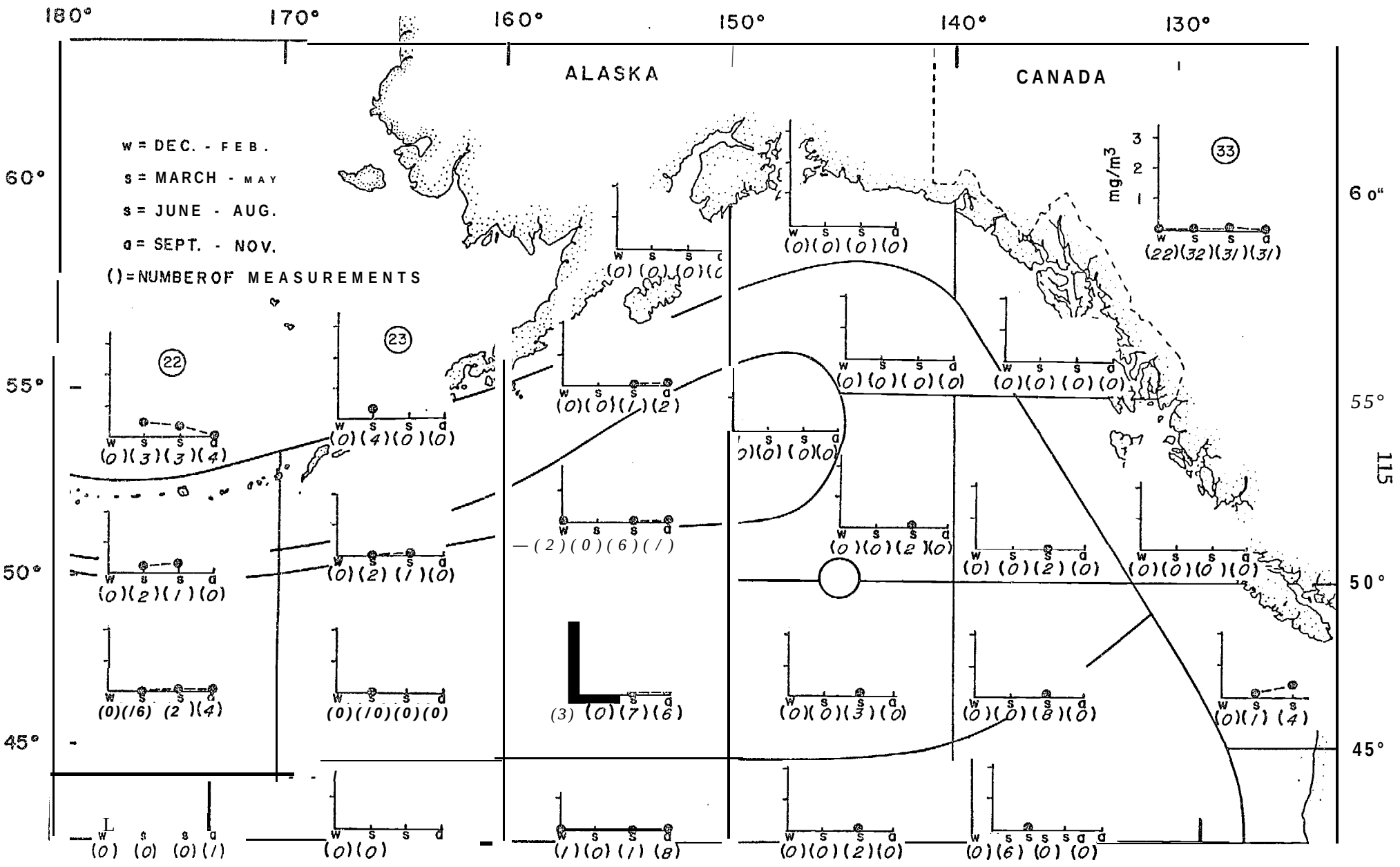


Figure 36. The distribution of chlorophyll a (seasonal means, milligrams chlorophyll a per cubic meter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

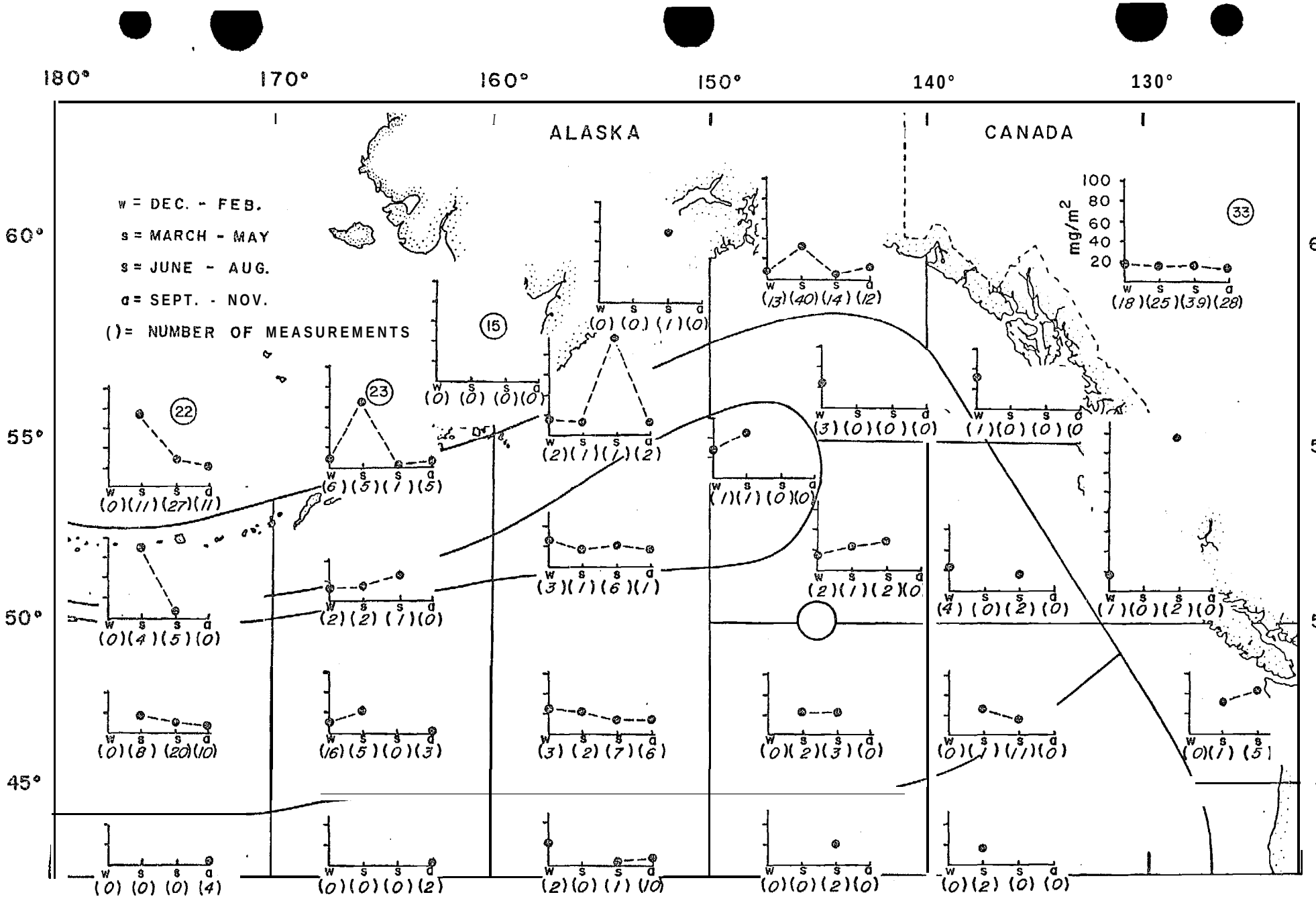


Figure 37. The distribution of integrated chlorophyll a (seasonal means for the euphotic layer, milligrams per square meter) in the eastern Subarctic Pacific for the years 1958 through 1974.

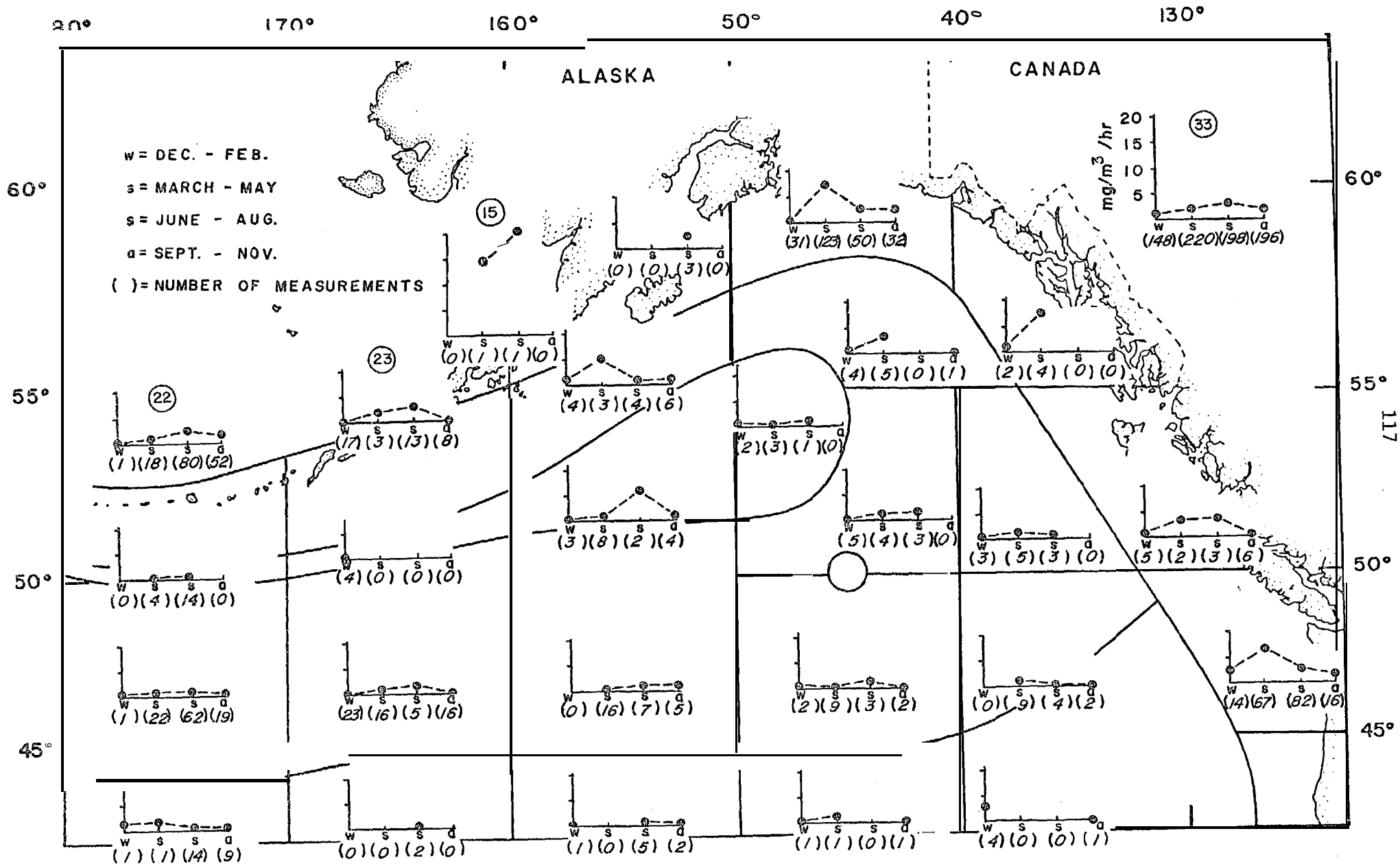


Figure 38. The distribution of primary production (seasonal means, milligrams carbon per cubic meter per hour) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

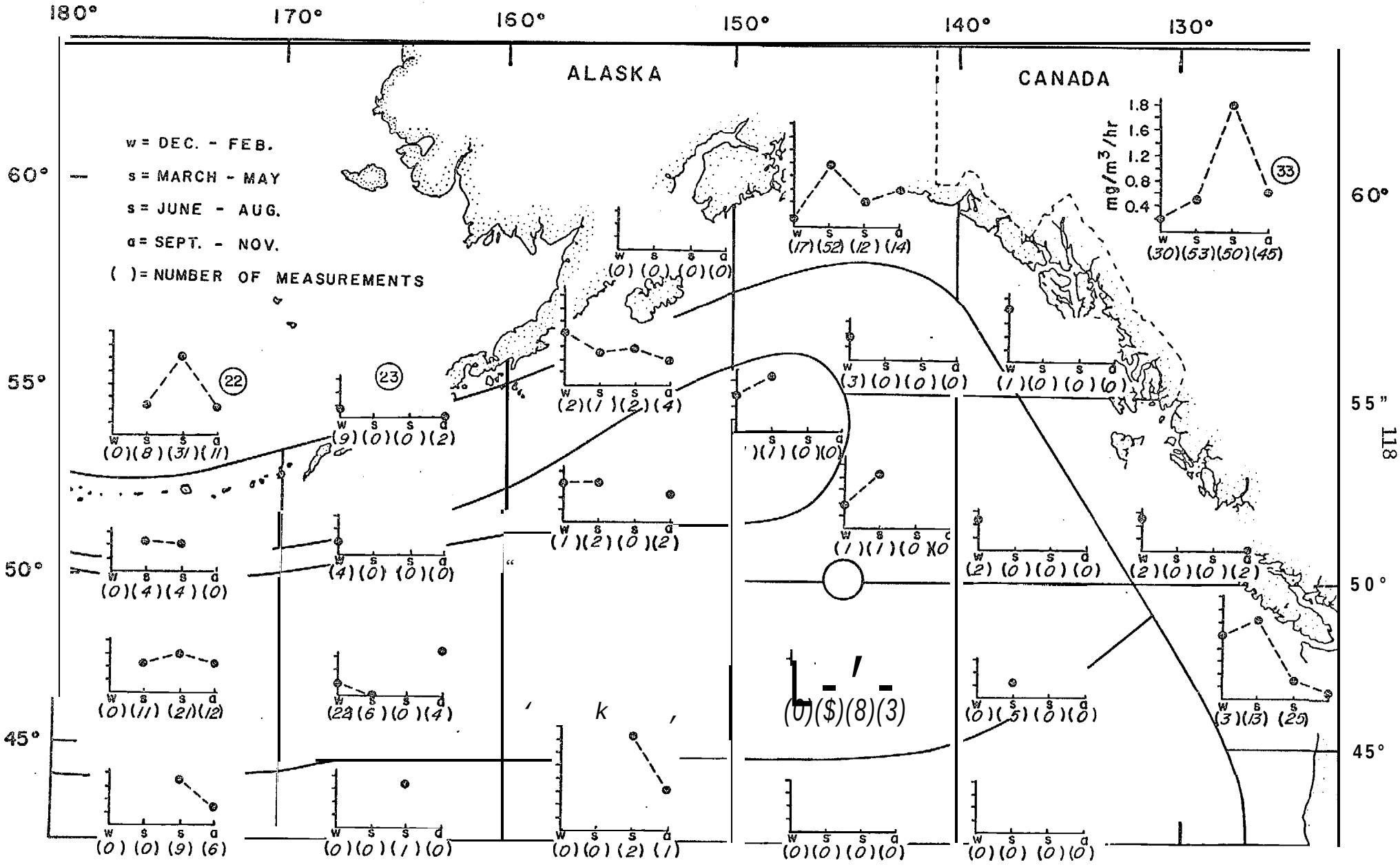


Figure 39. The distribution of primary production (seasonal means, milligrams carbon per cubic meter per hour) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

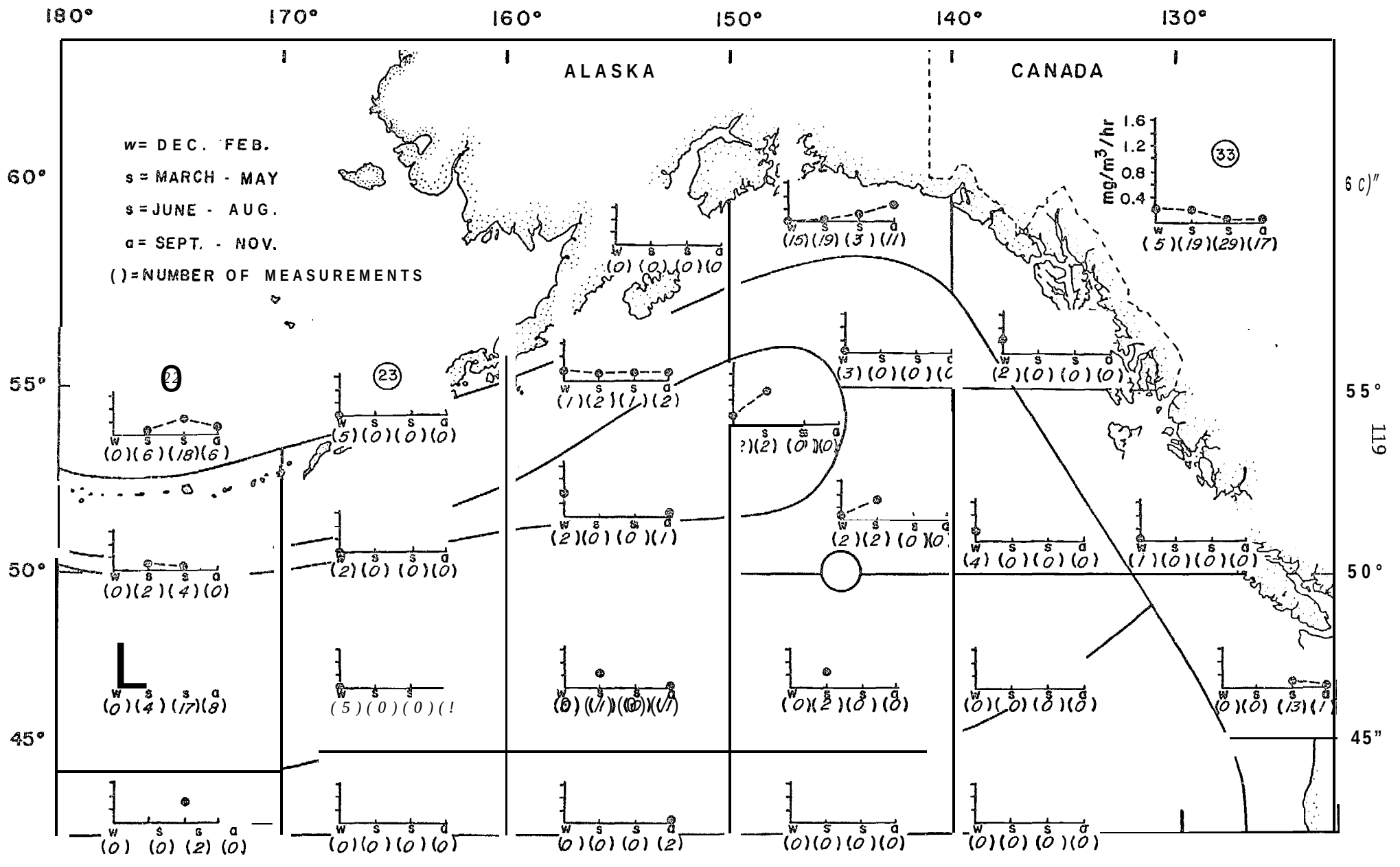


Figure 40. The distribution of primary production (seasonal means, milligrams carbon per cubic meter per hour) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

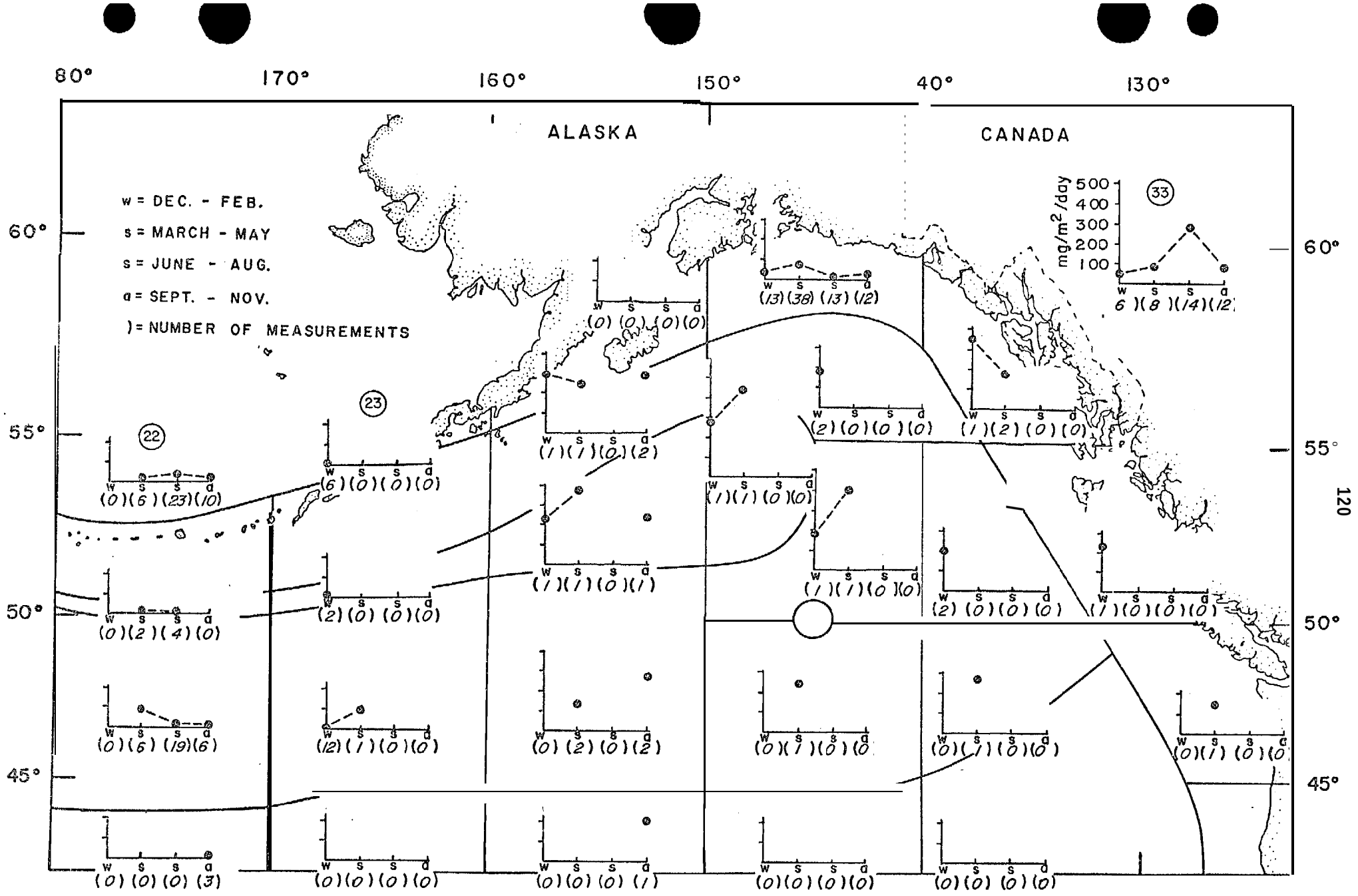


Figure 41. The distribution of integrated primary productivity (seasonal means for the euphotic zone, milligrams carbon per square meter per day) in the eastern Subarctic Pacific for the years 1958 through 1974.

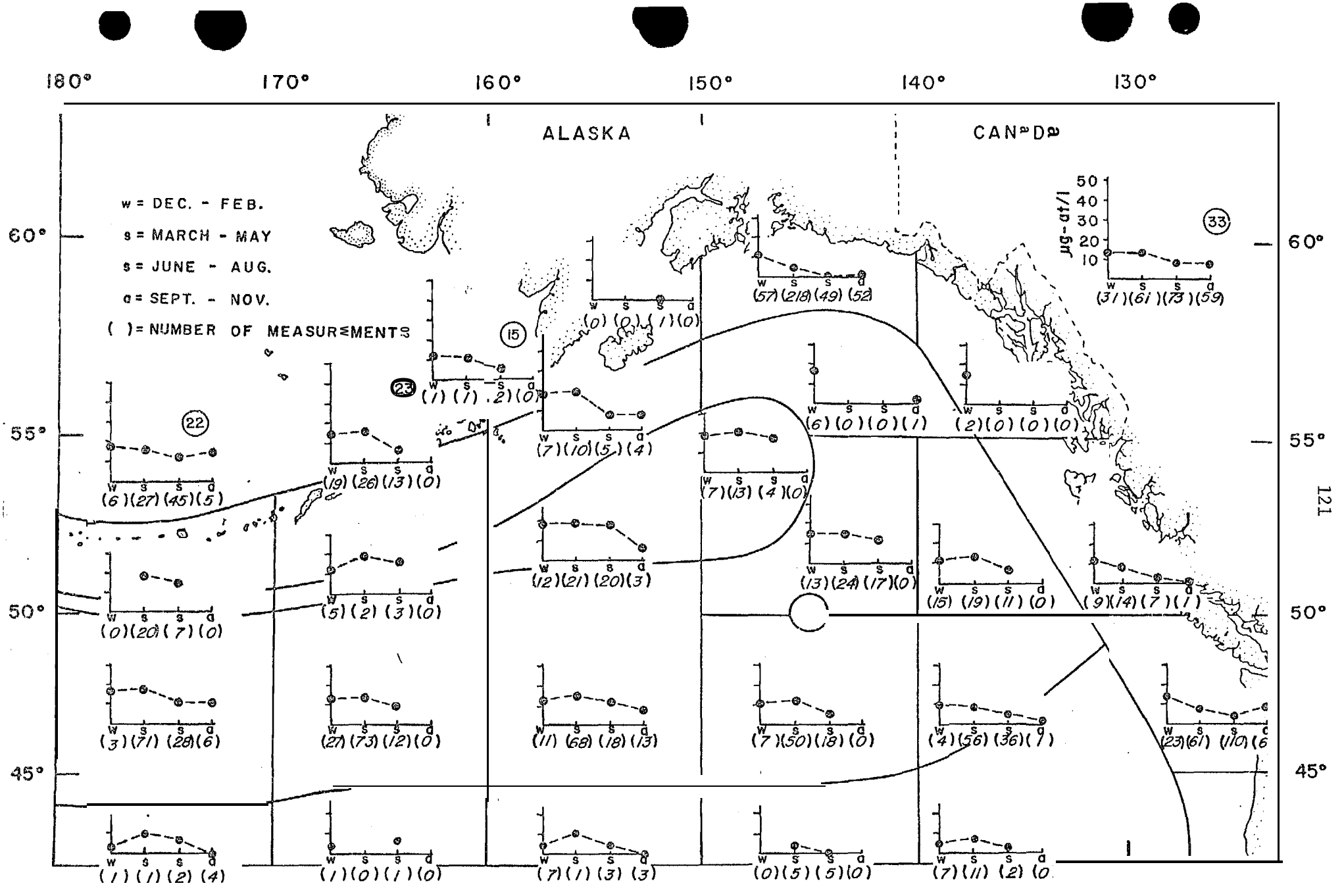


Figure 42. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

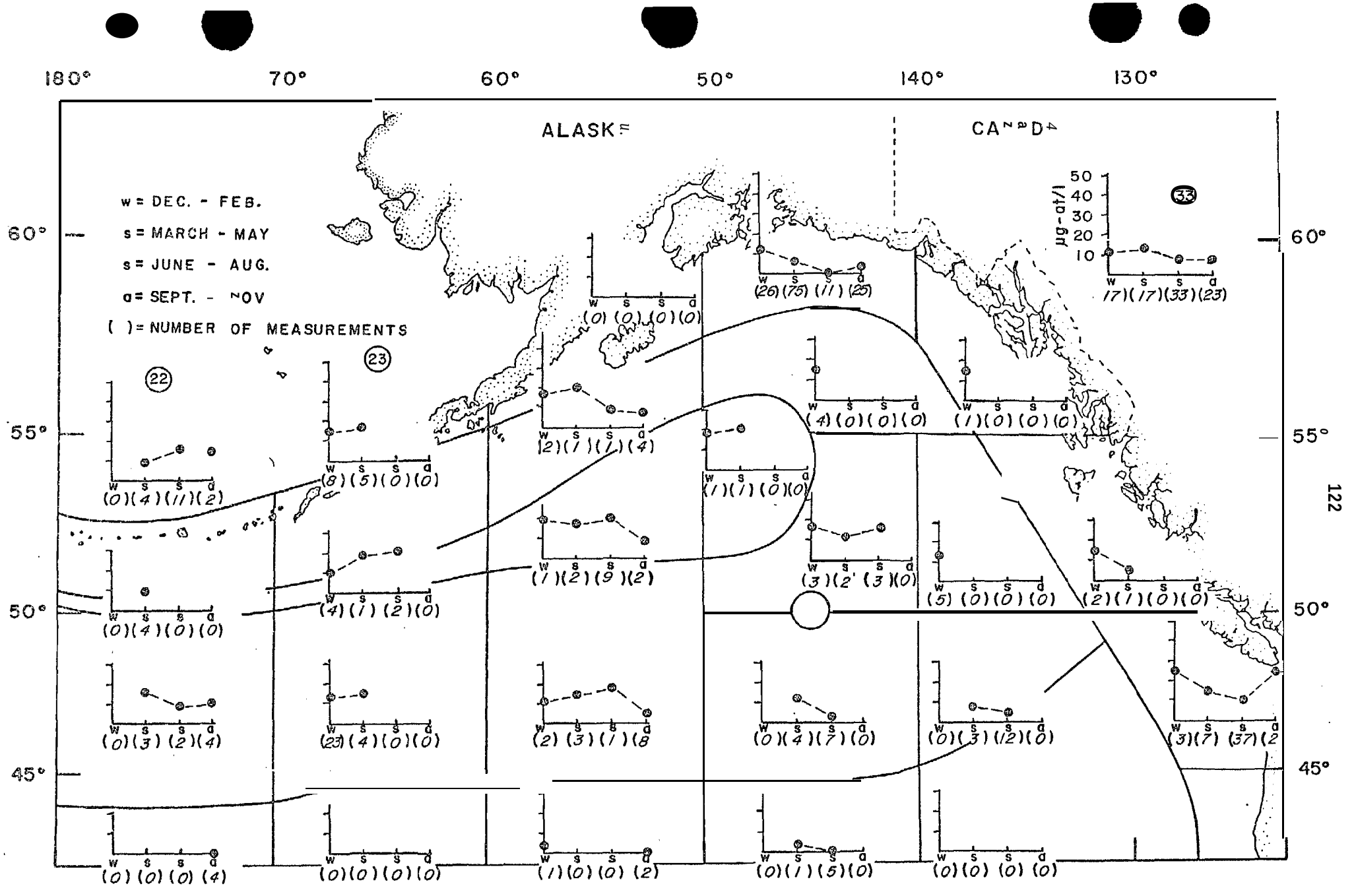


Figure 43. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

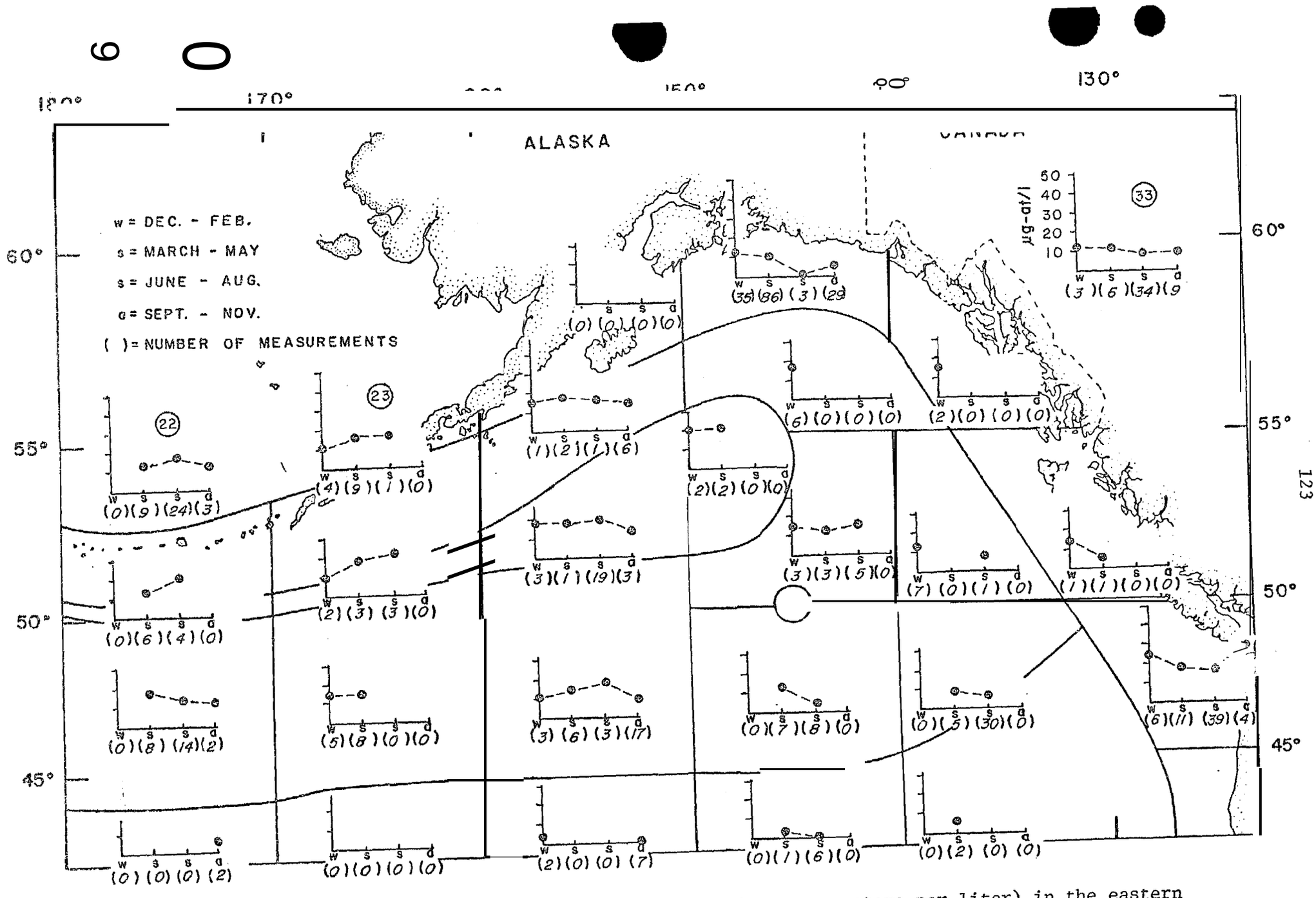


Figure 44. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

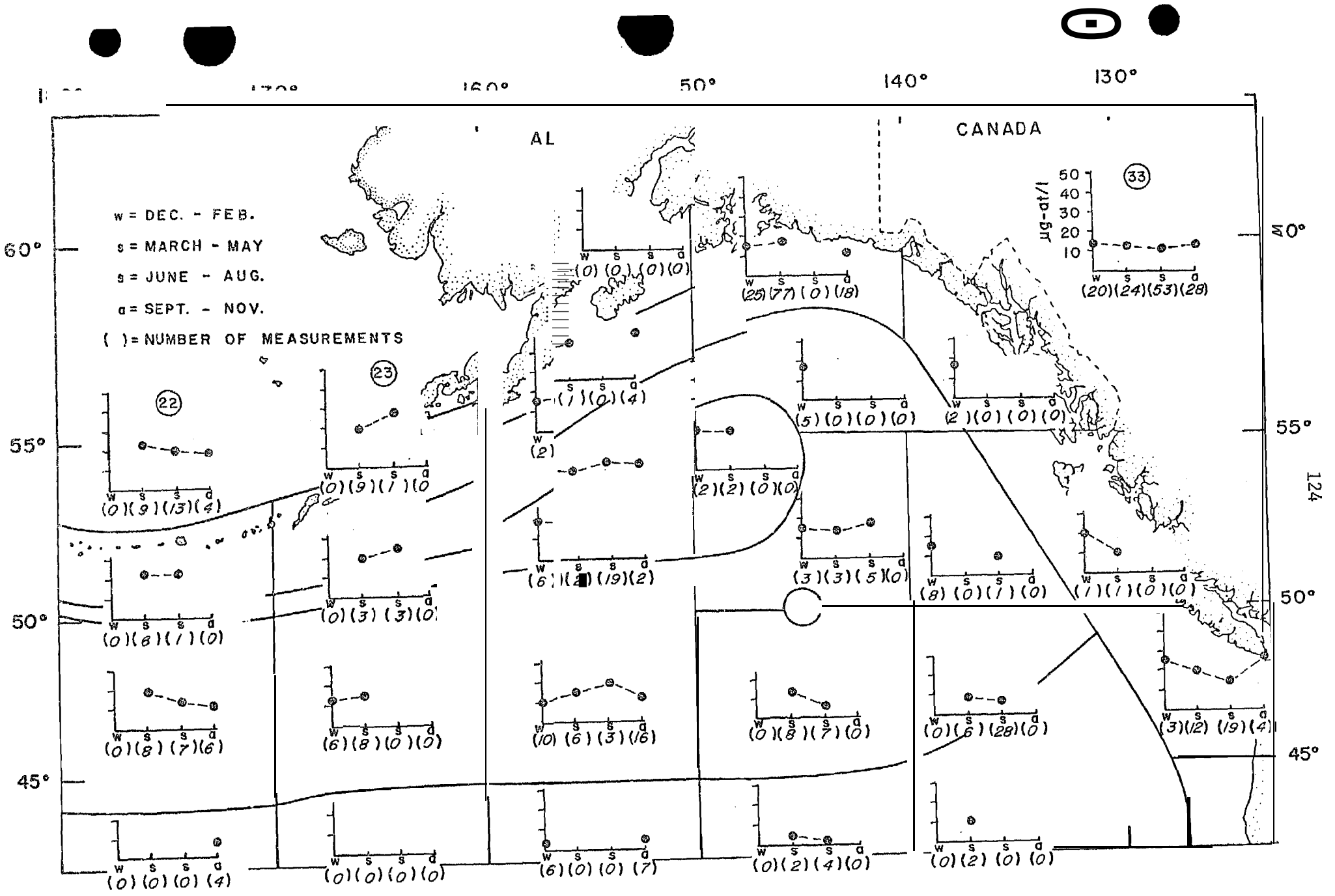


Figure 45. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

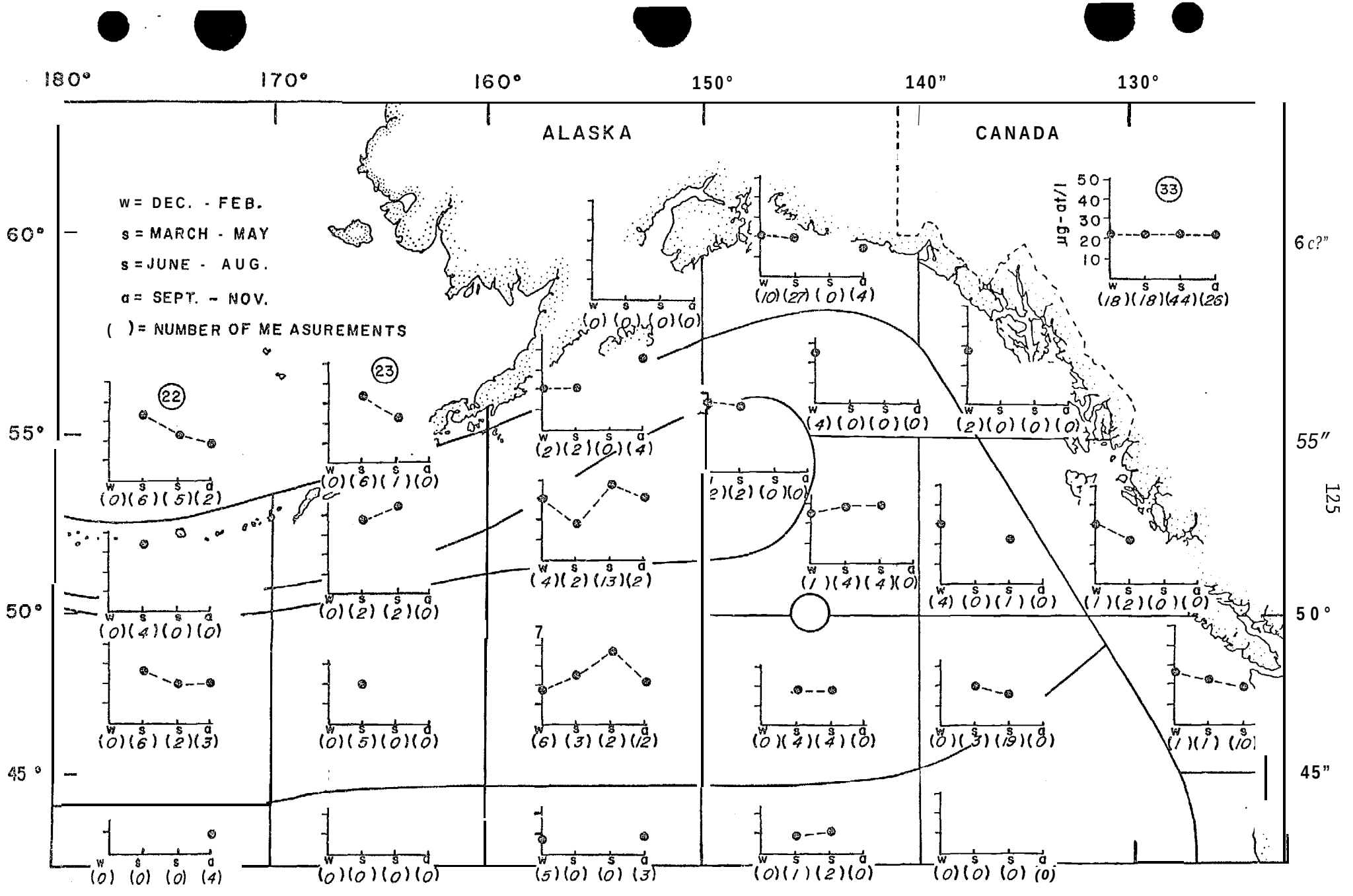


Figure 46. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

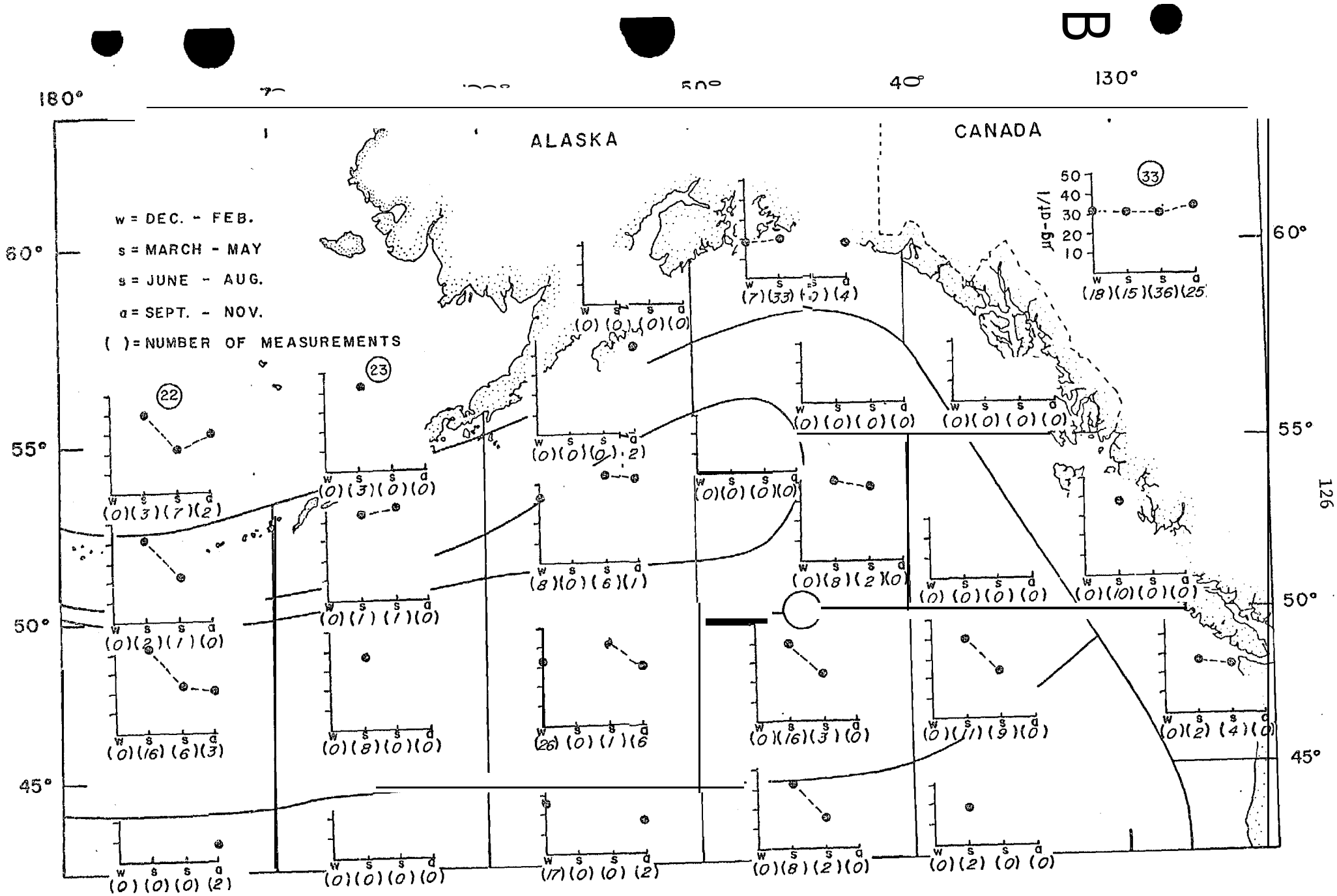


Figure 7. The distribution of nitrate (NO_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

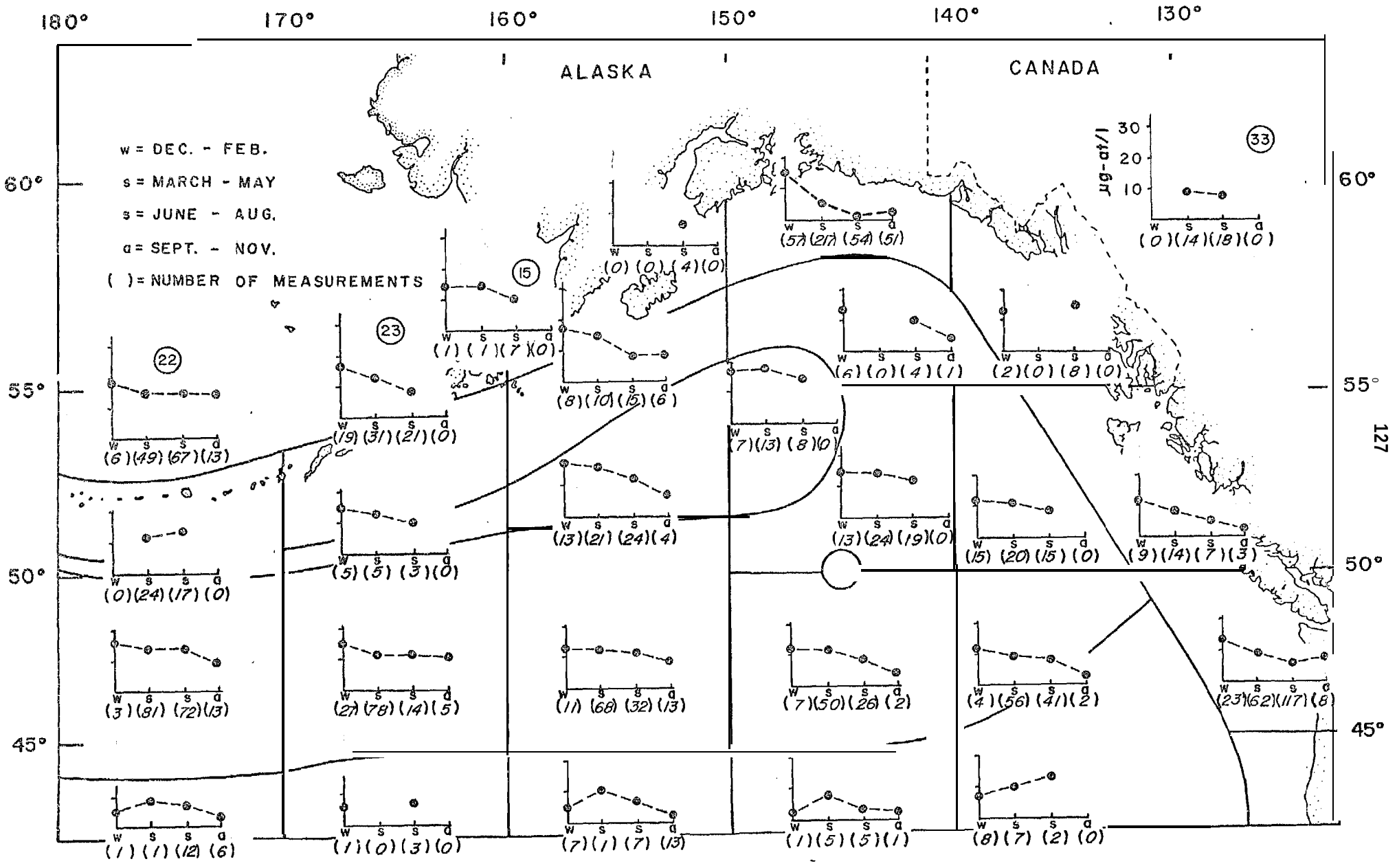


Figure 48. The distribution of phosphate (PO_4, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

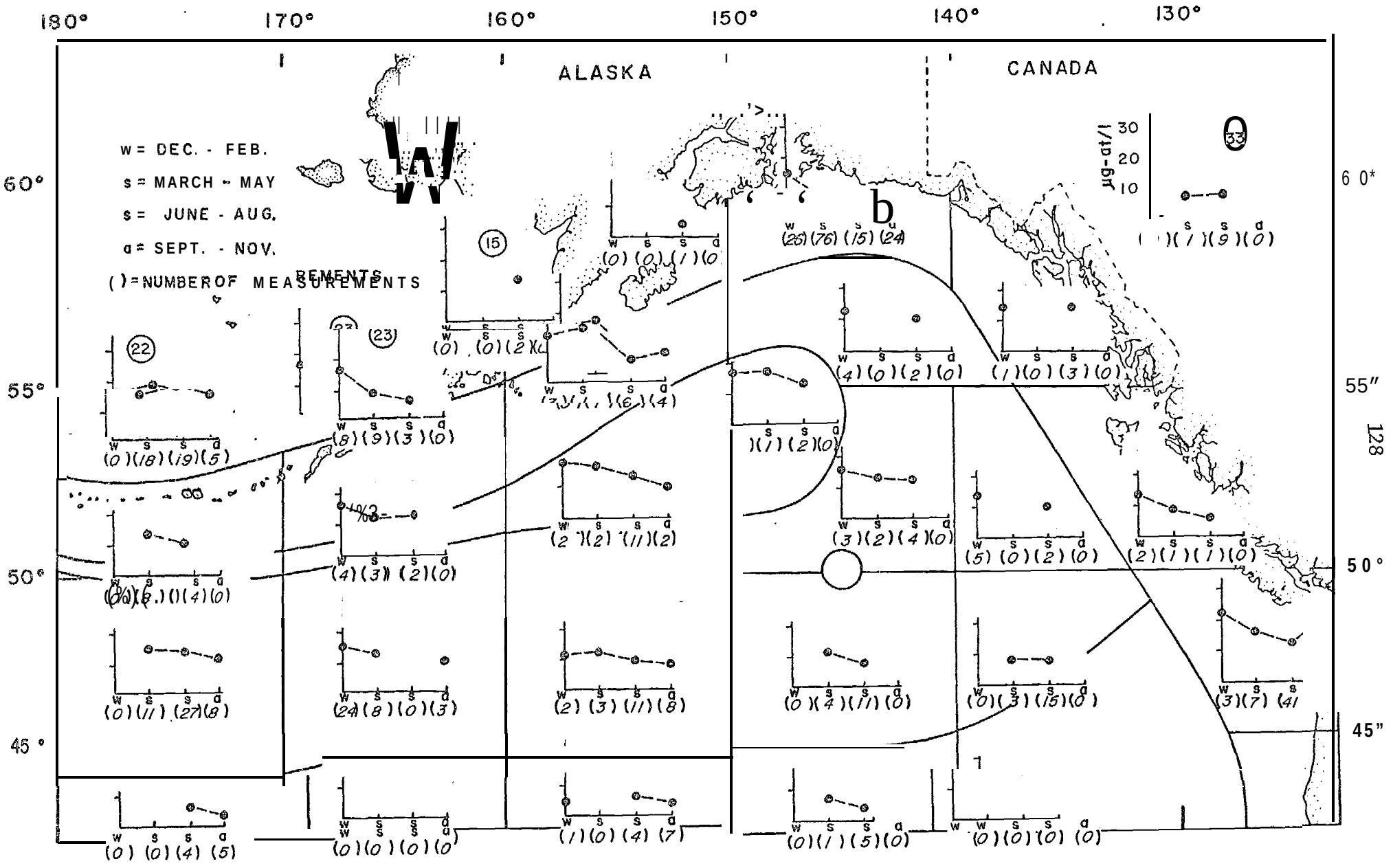


Figure 49. The distribution of phosphate (PO_4, seasonal means, microgram - atoms per liter) in *the* eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

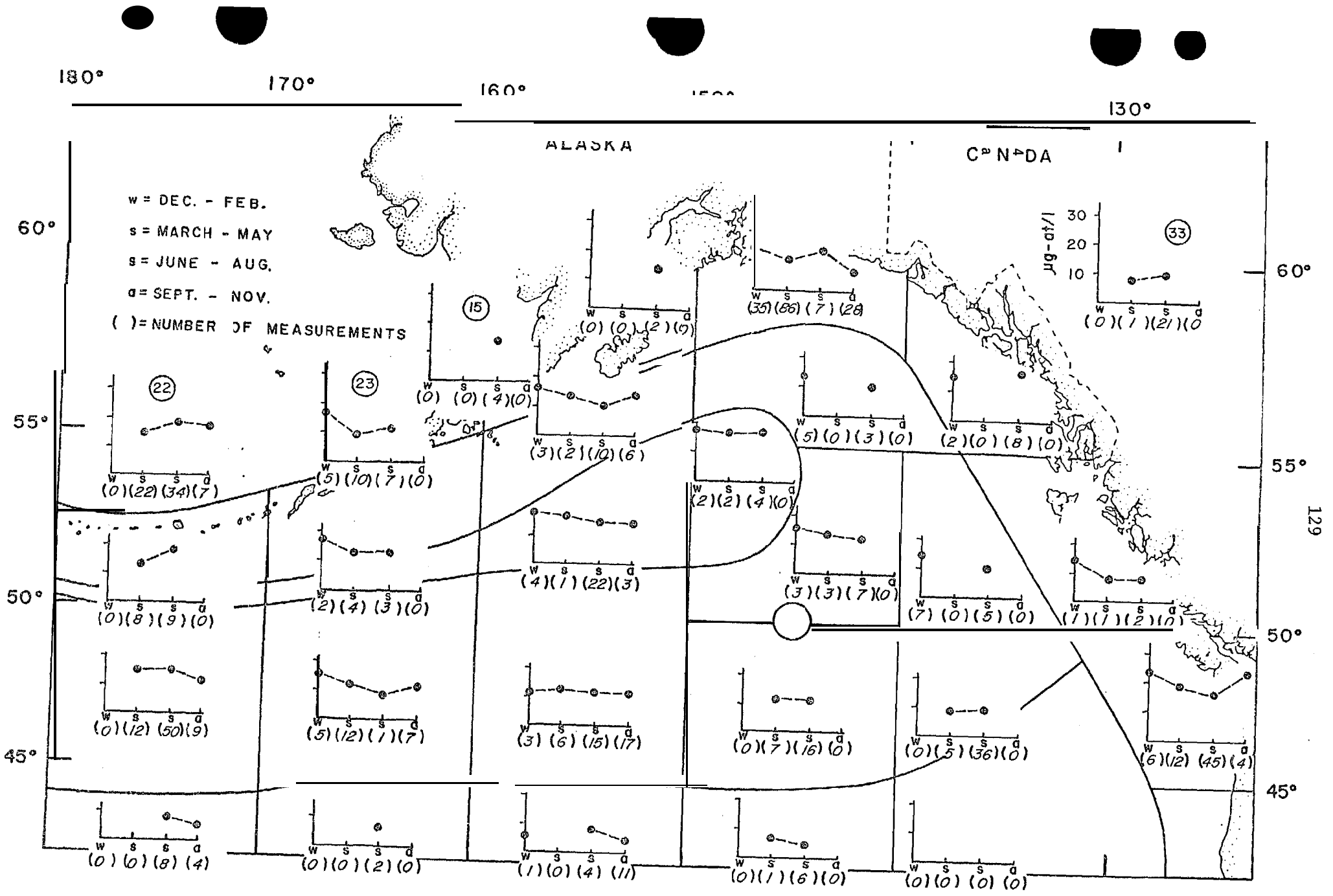


Figure 50. The distribution of phosphate (PO_4, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

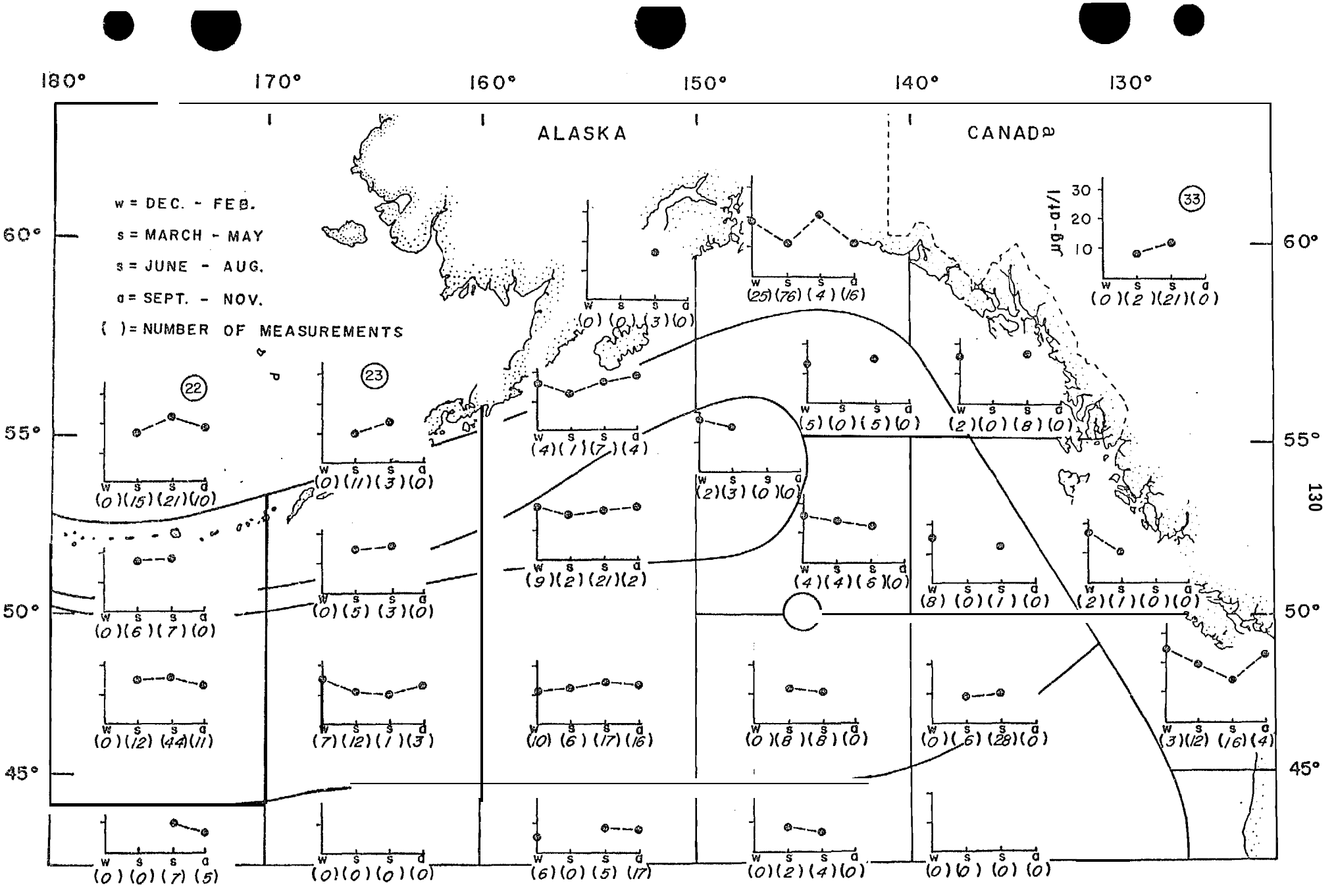


Figure 51. The distribution of phosphate (PO_4, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

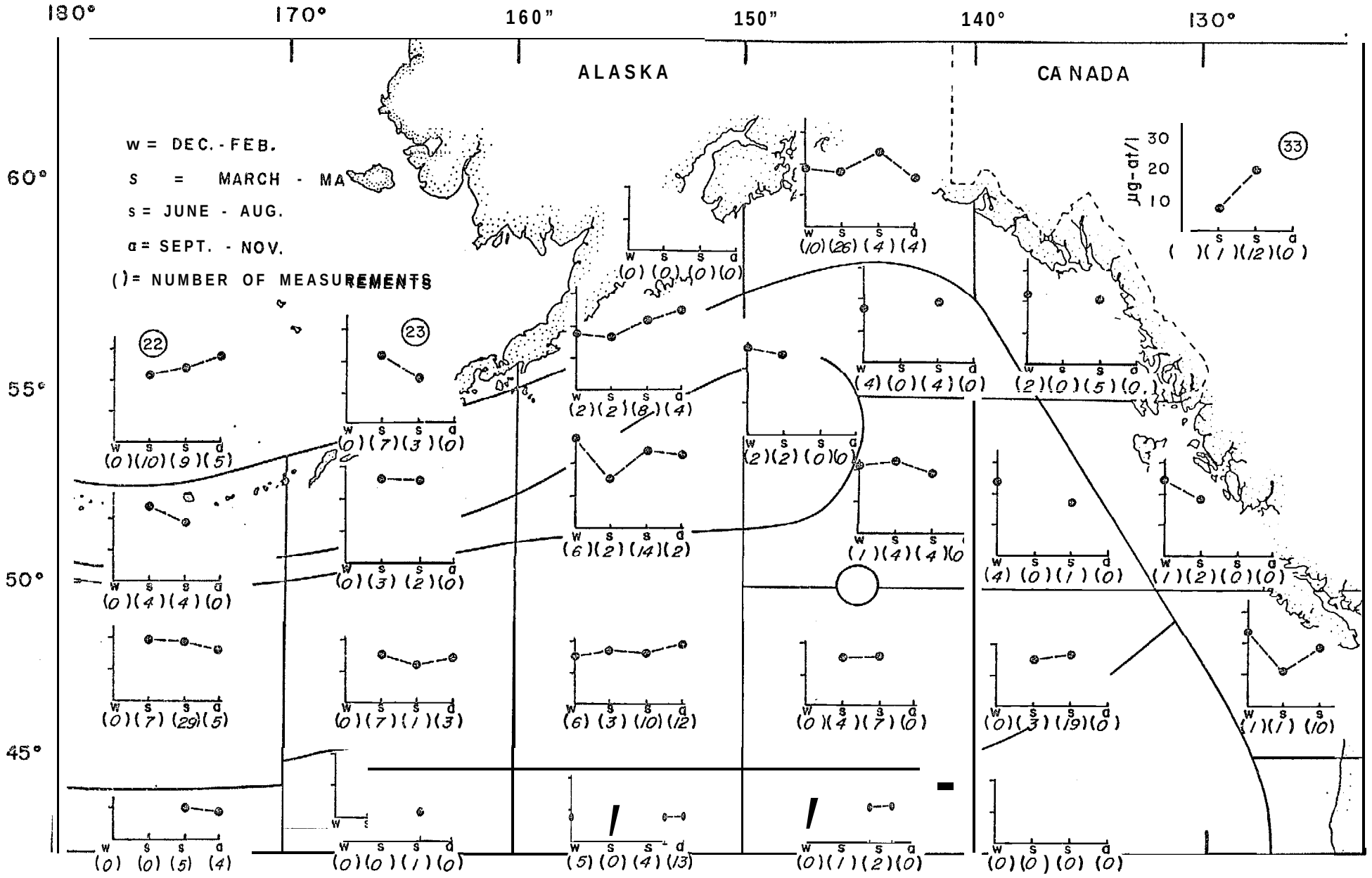


Figure 52. The distribution of phosphate (P04, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

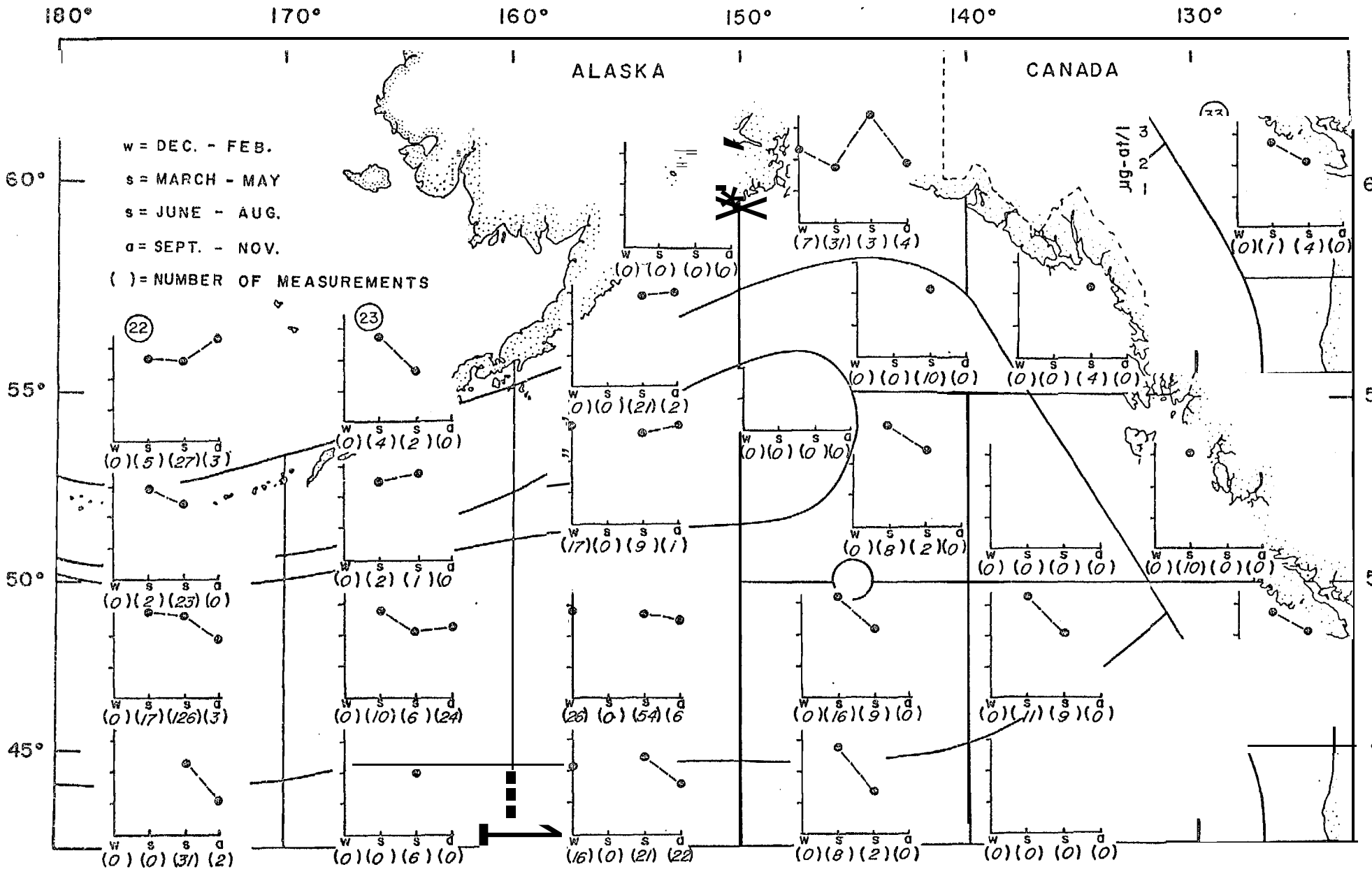


Figure 53. The distribution of phosphate (PO_4, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

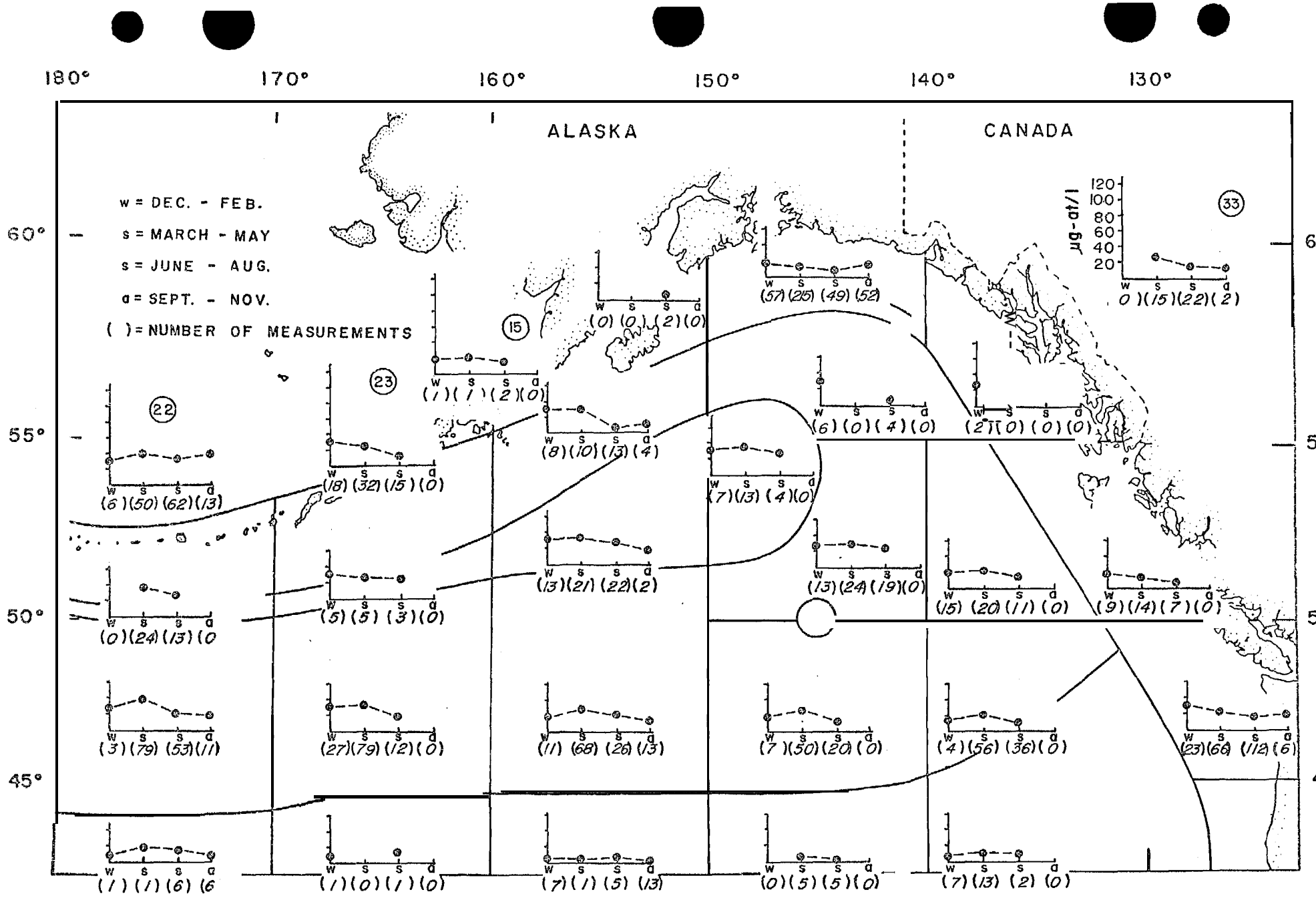


Figure 54. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

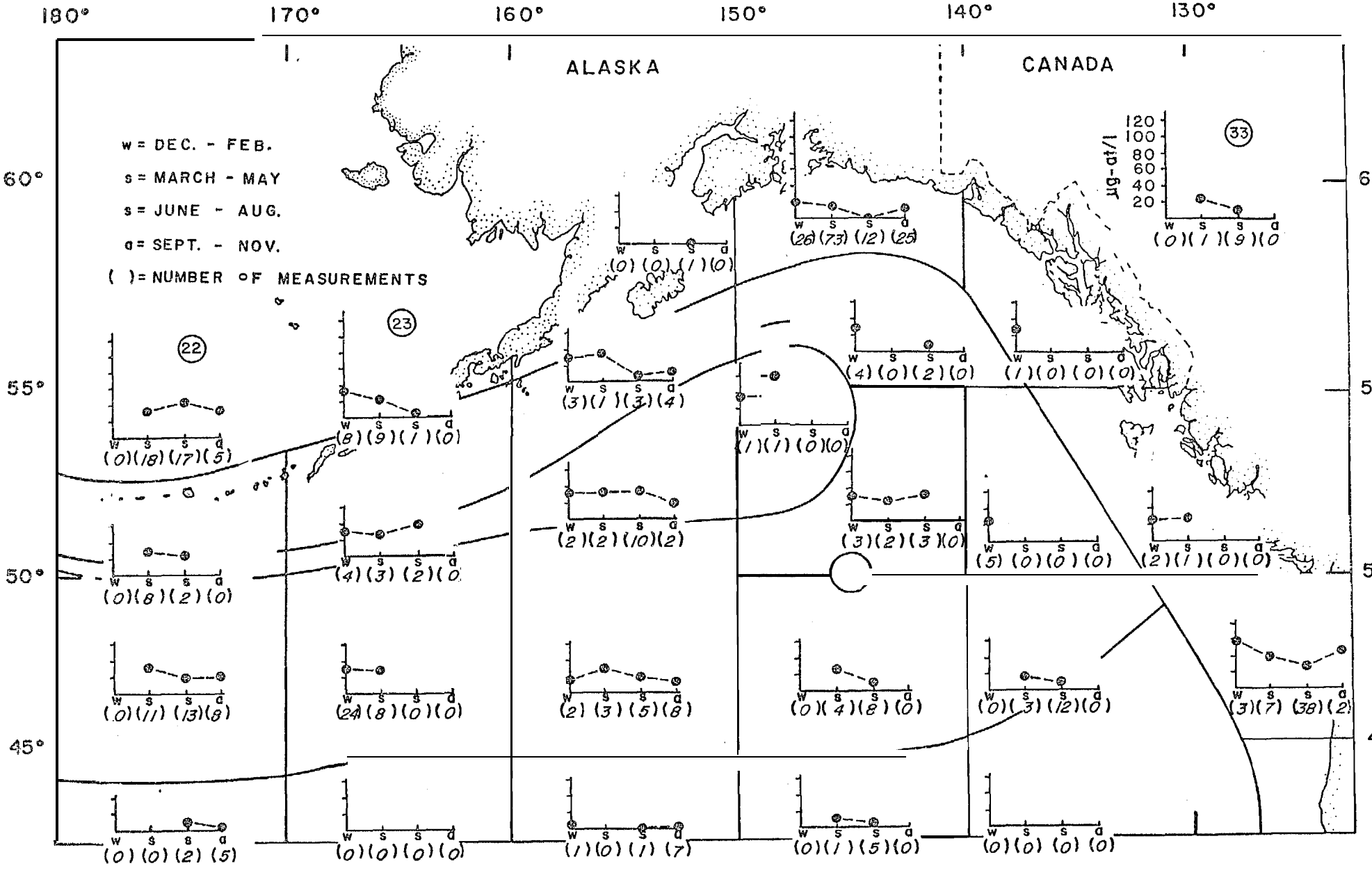


Figure 55. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

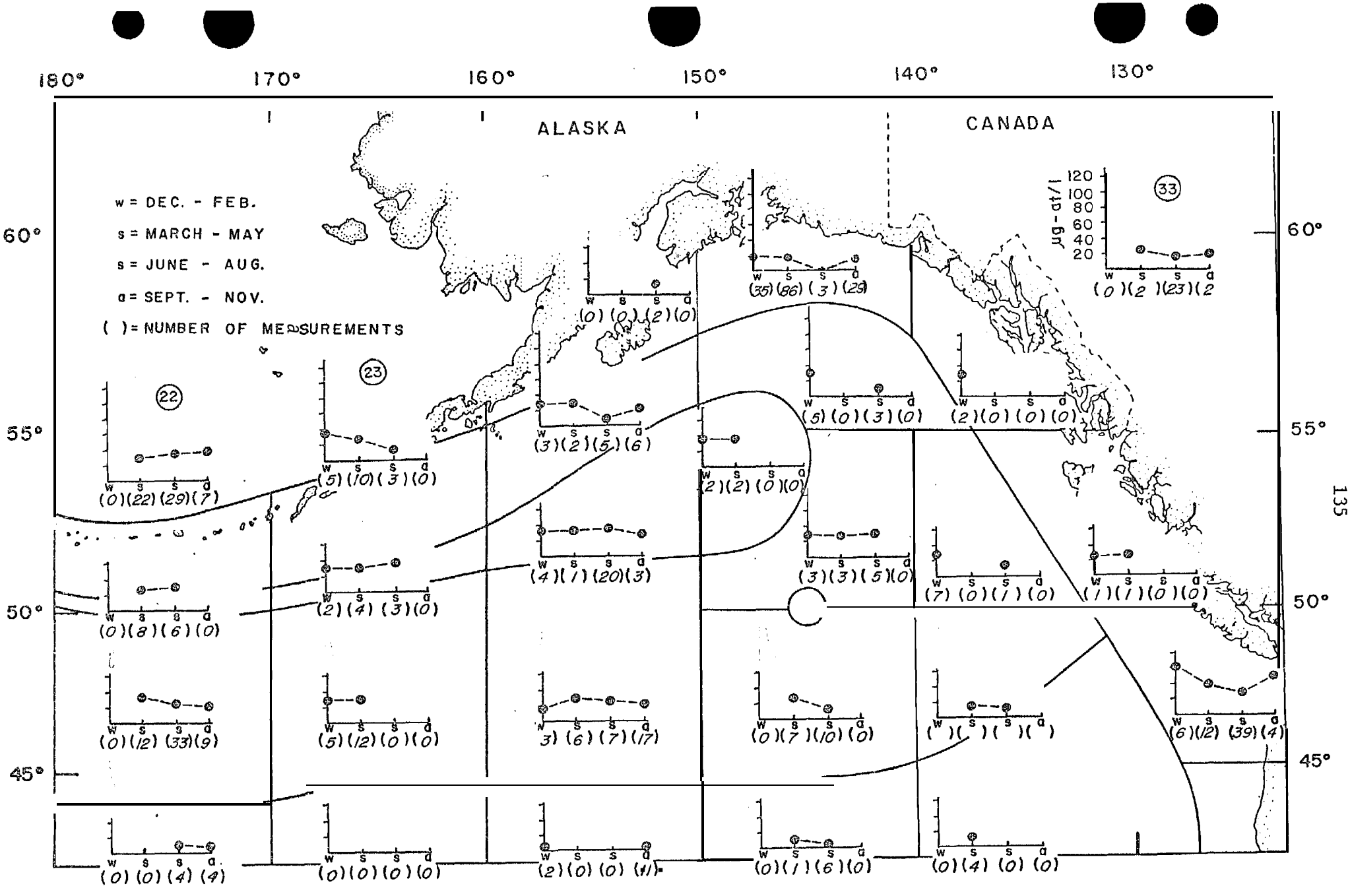


Figure 56. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

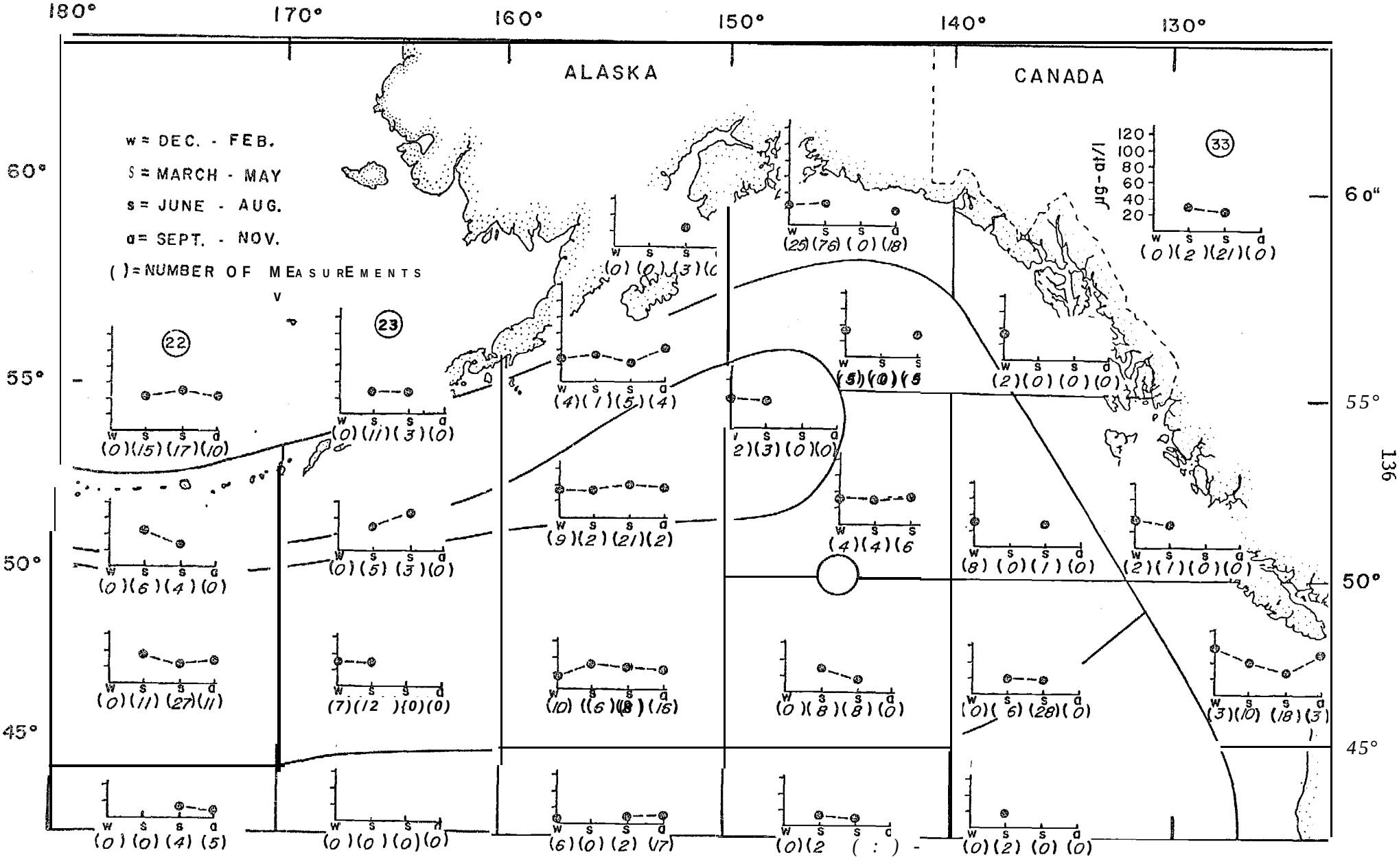


Figure 57. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

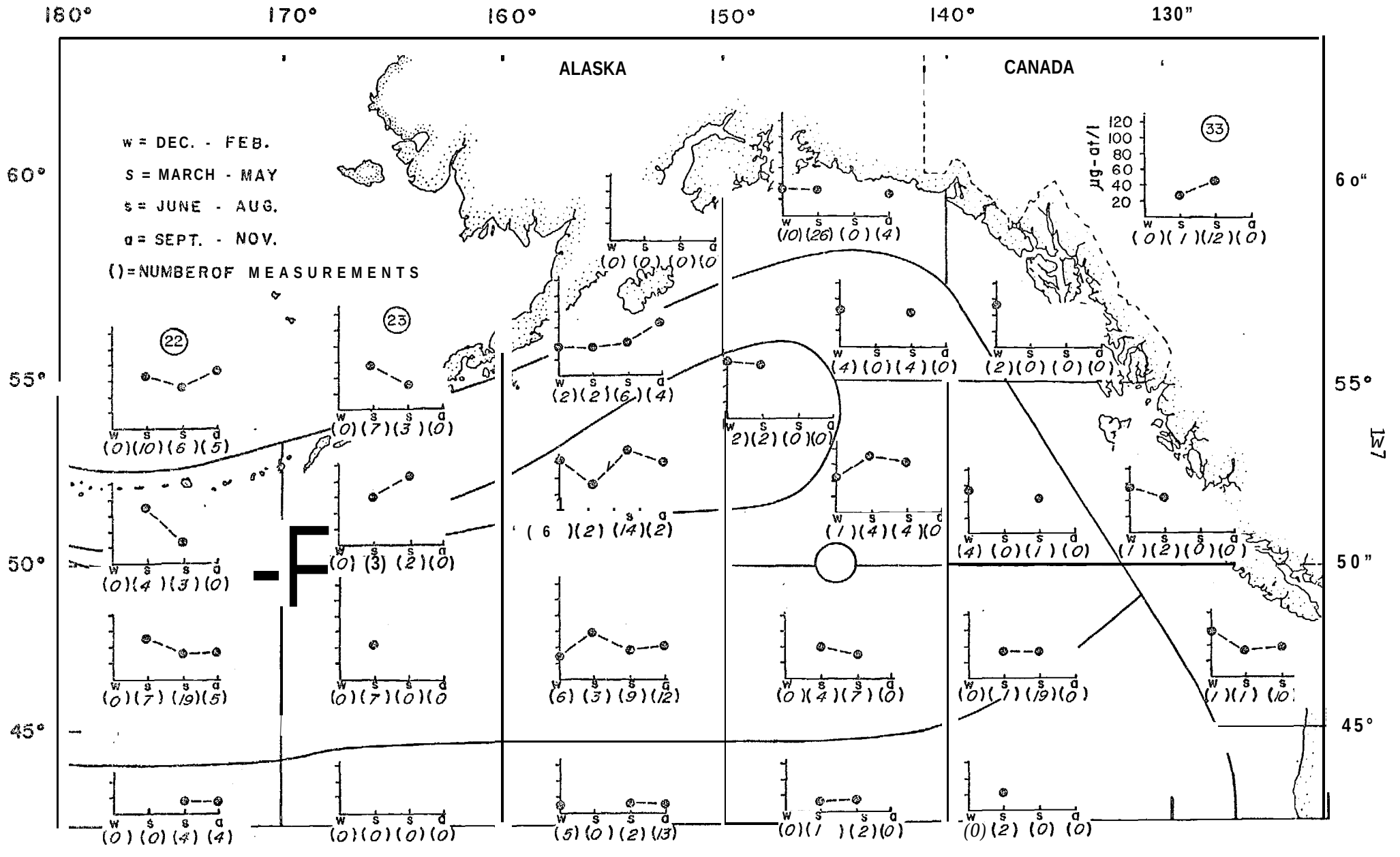


Figure 58. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

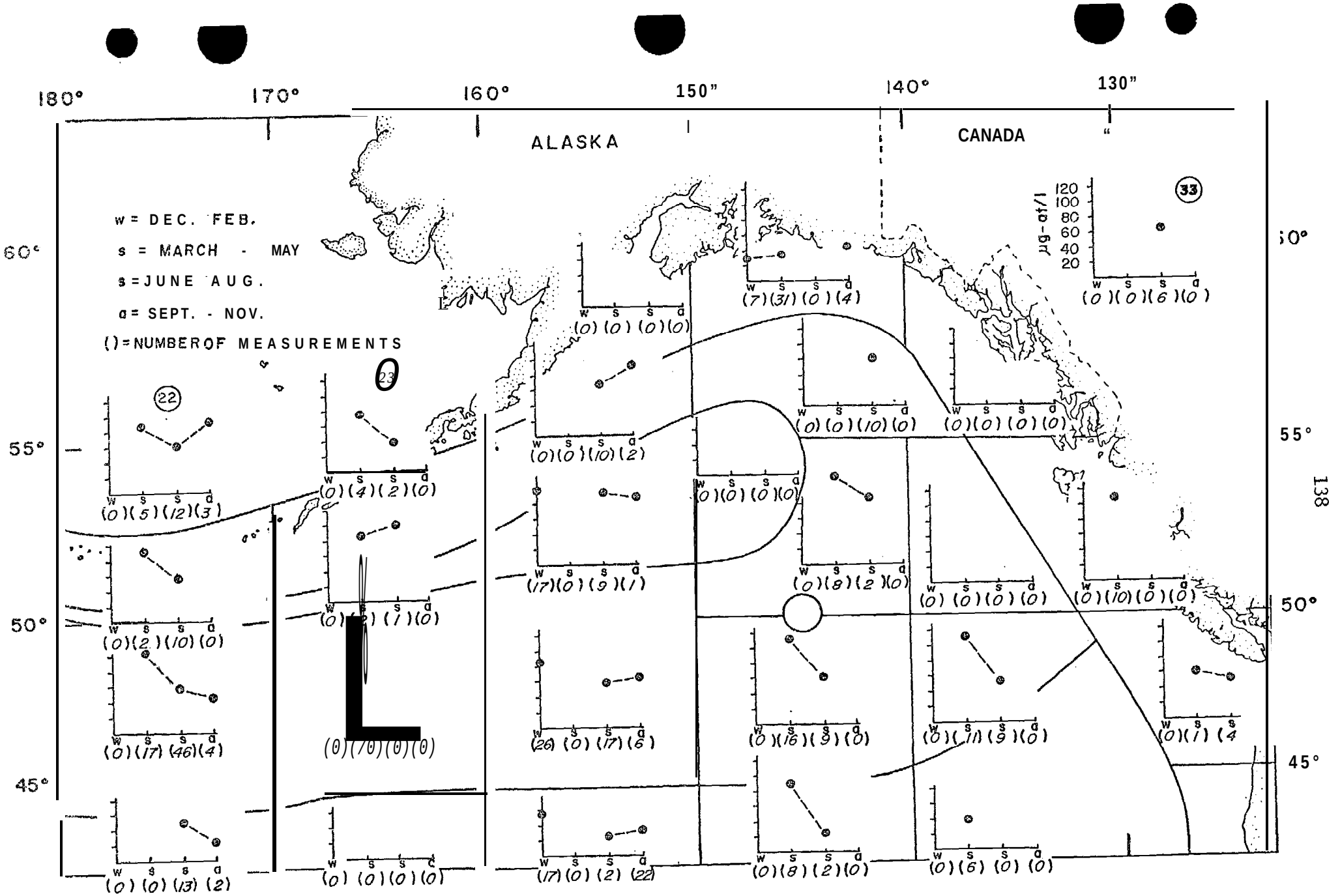


Figure 59. The distribution of silicate (SiO_3, seasonal means, micrograms - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

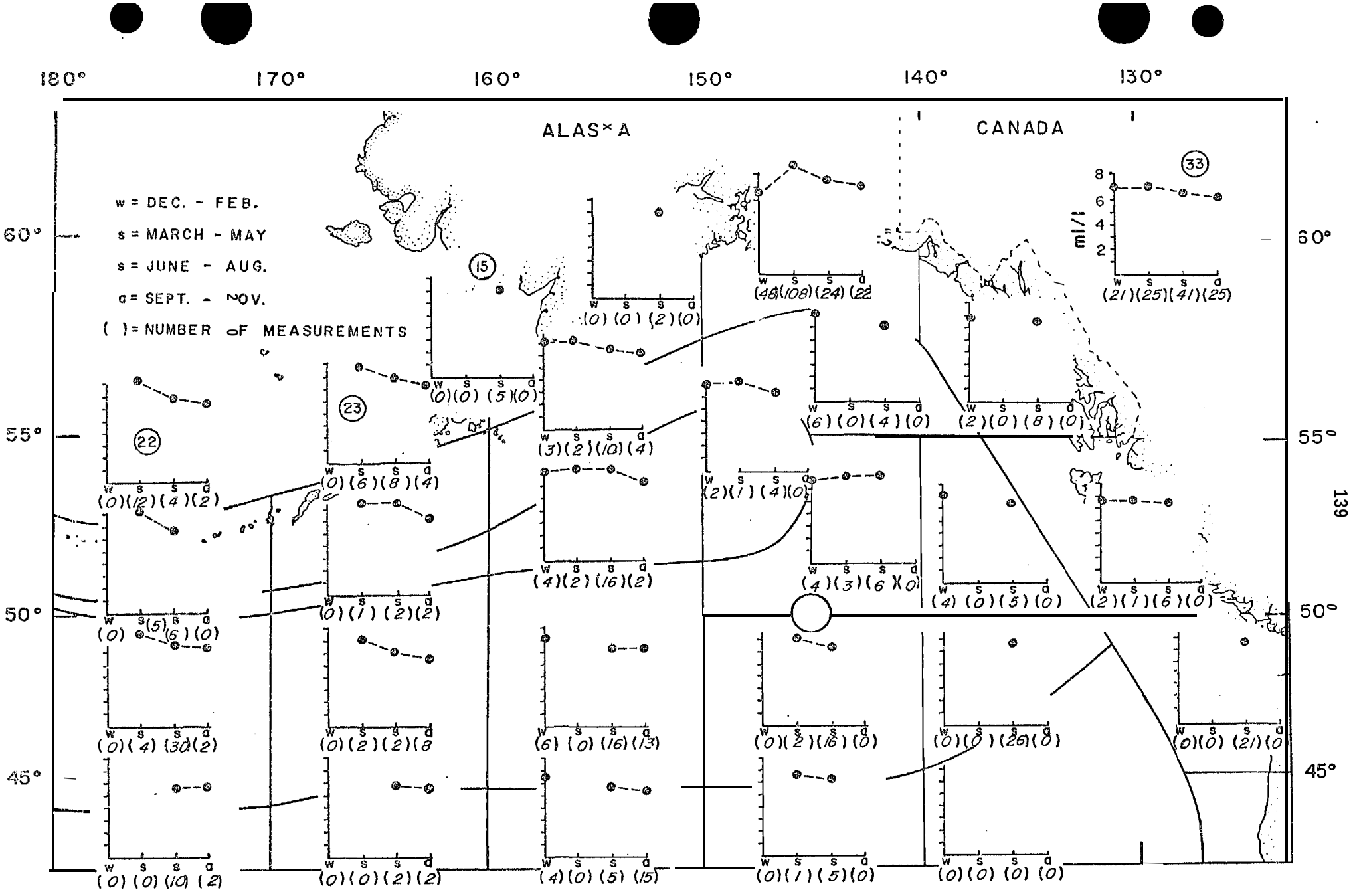


Figure 60. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

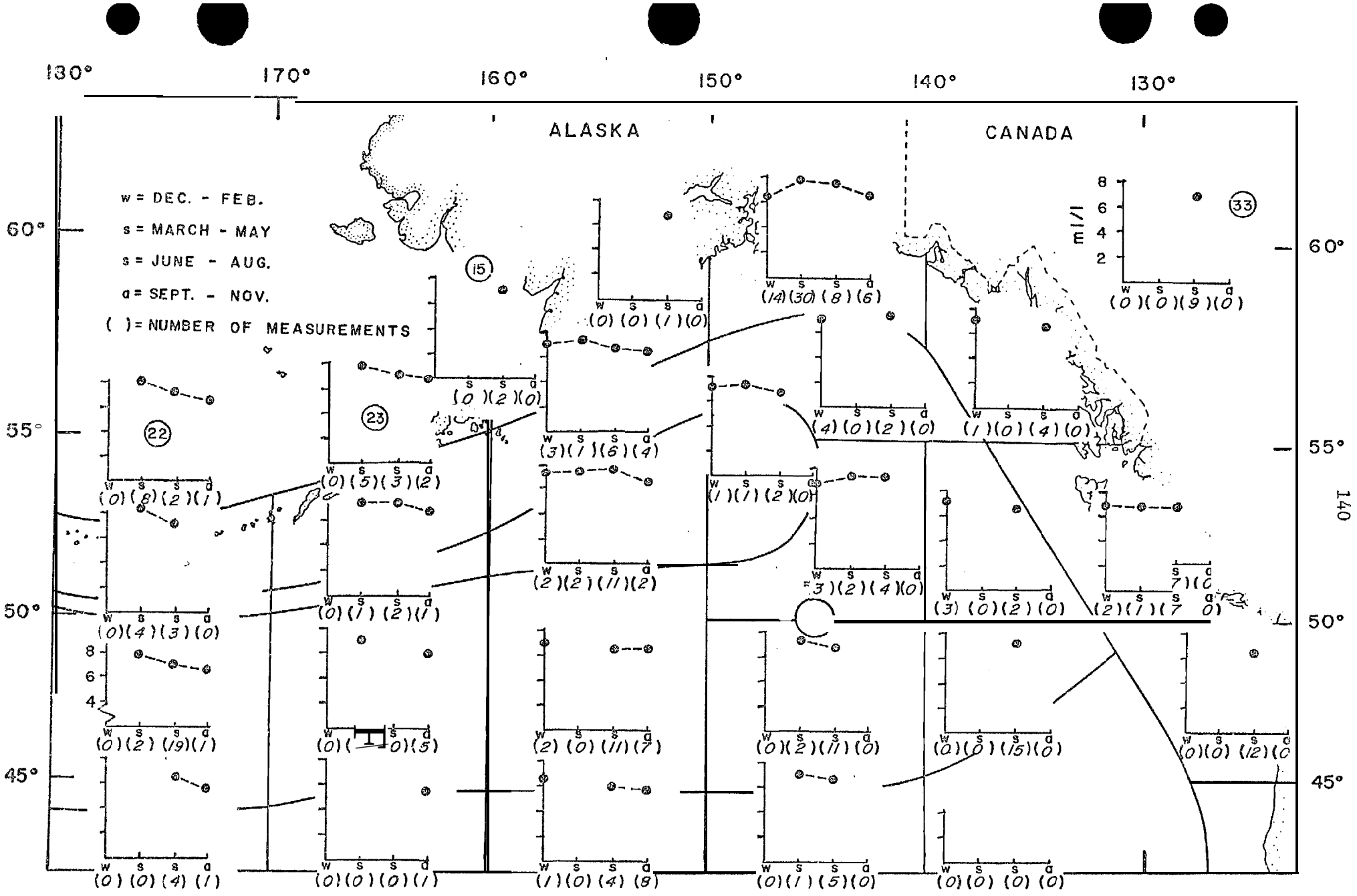


Figure 61. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

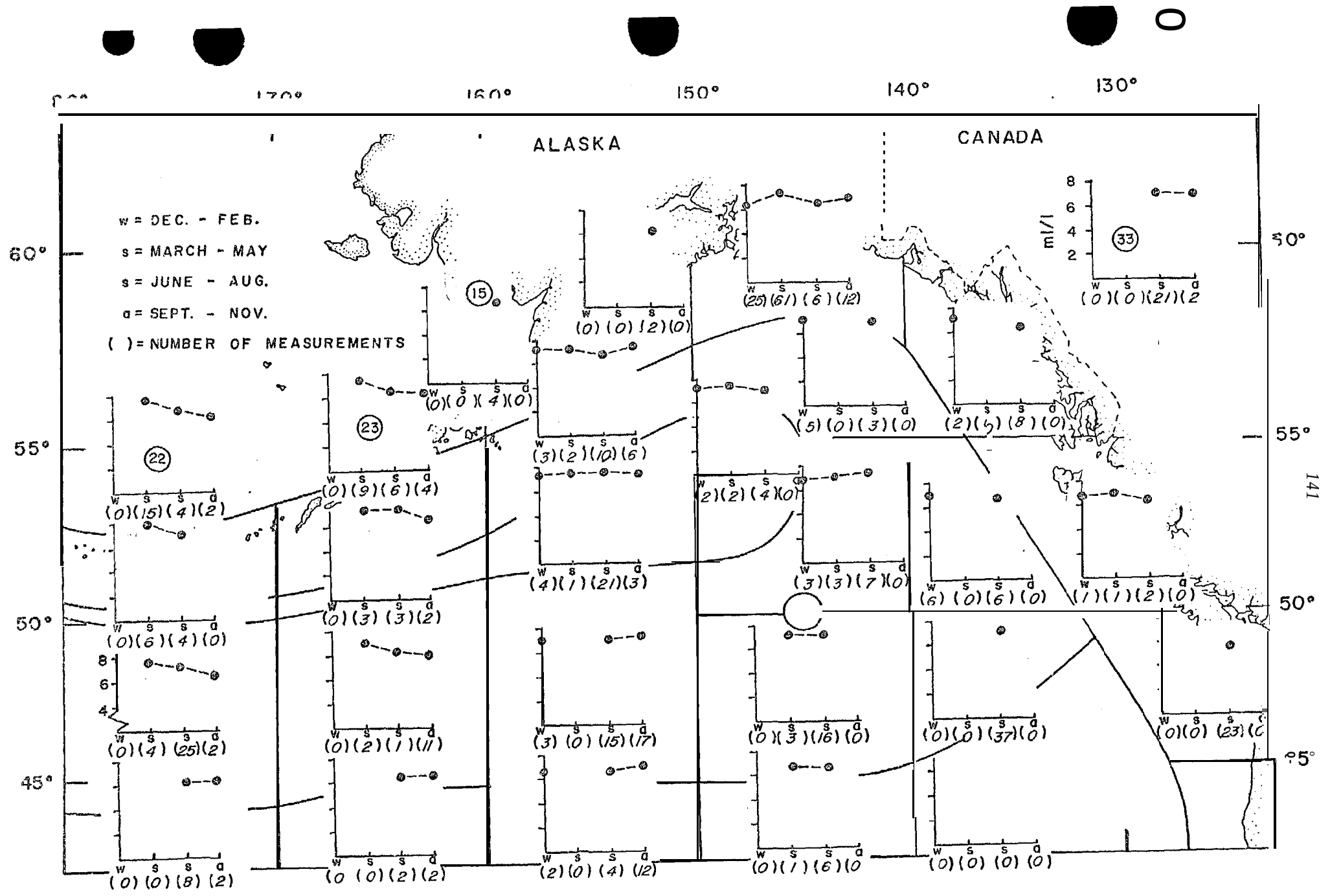


Figure 62. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

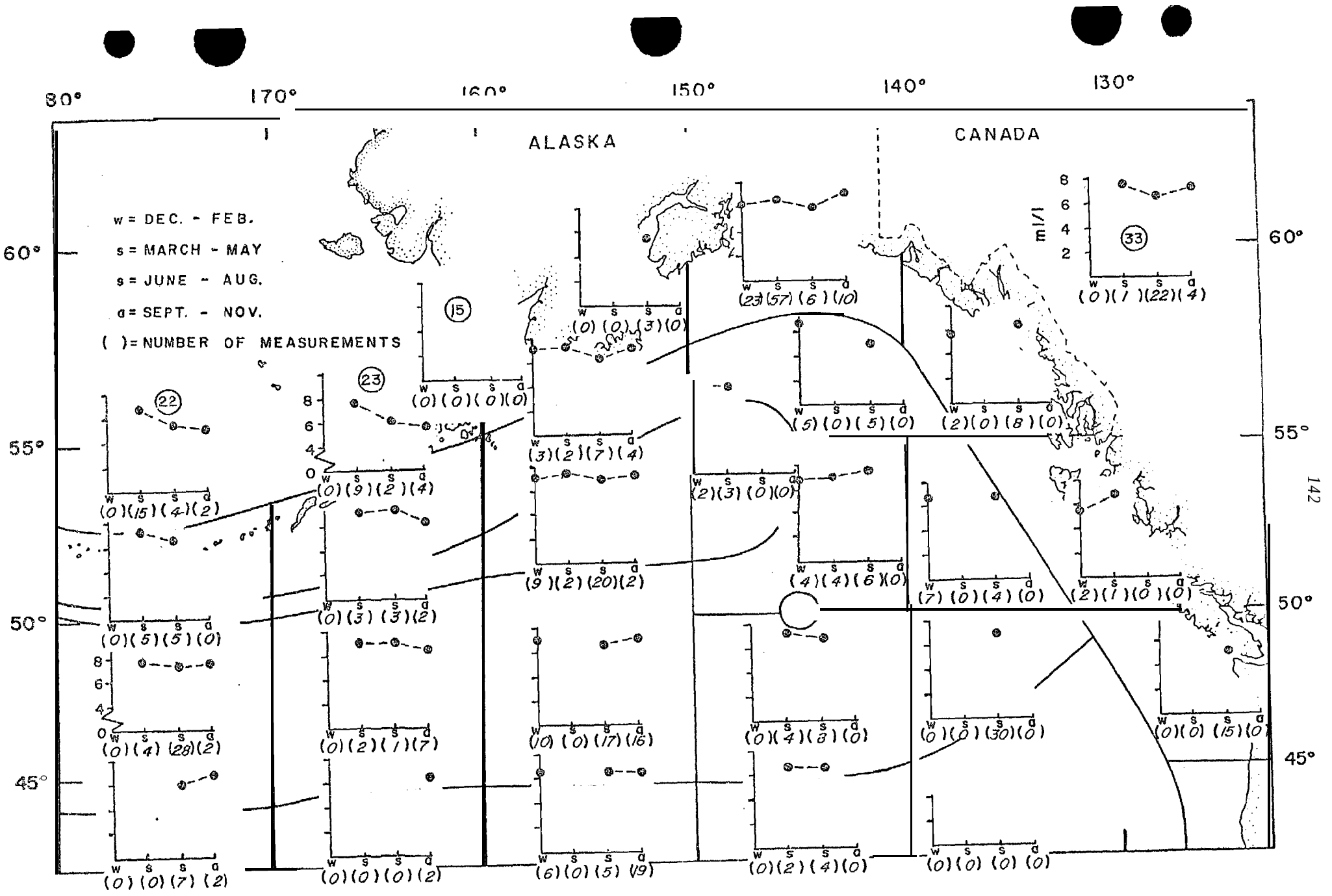


Figure 63. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

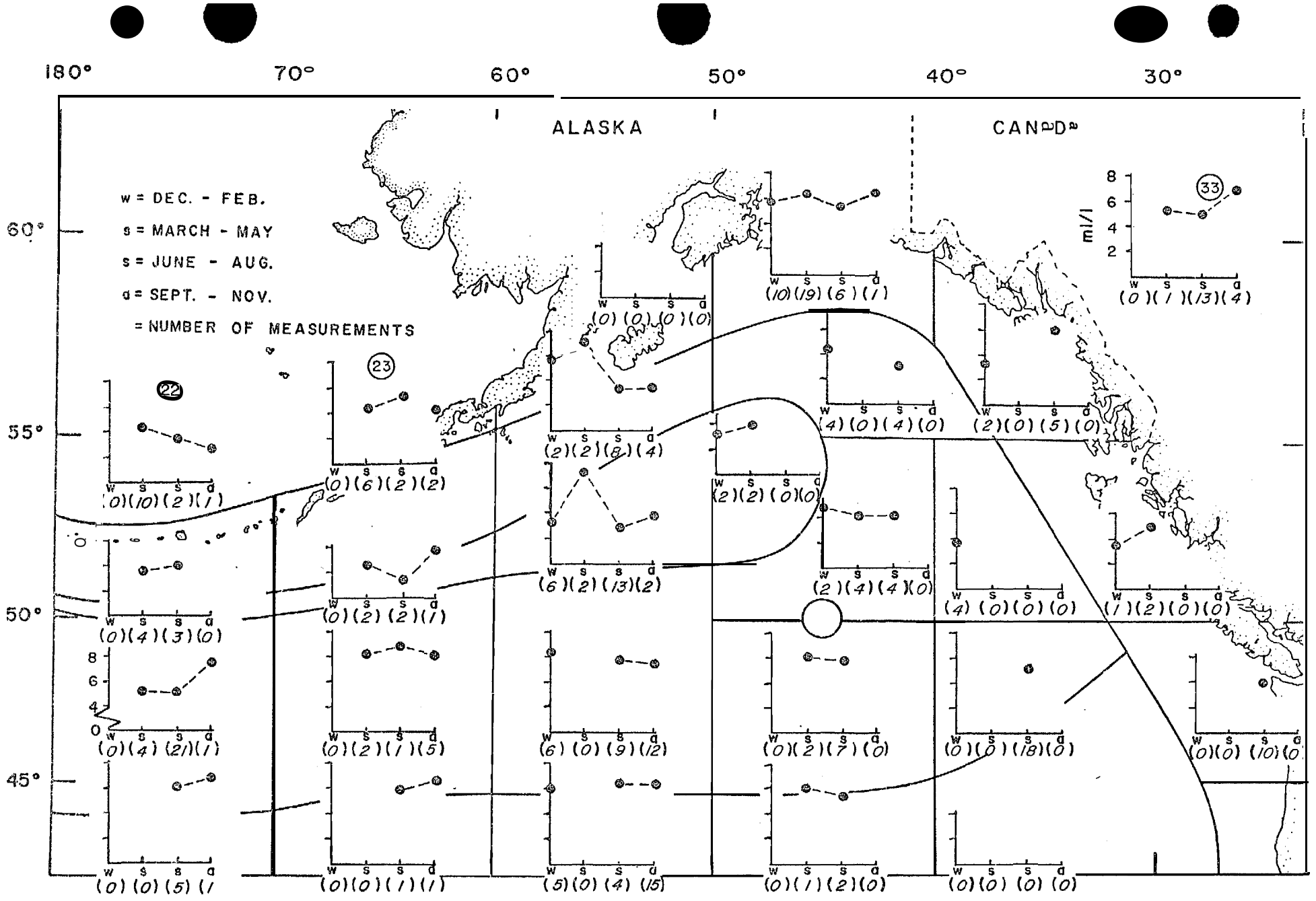


Figure 64. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

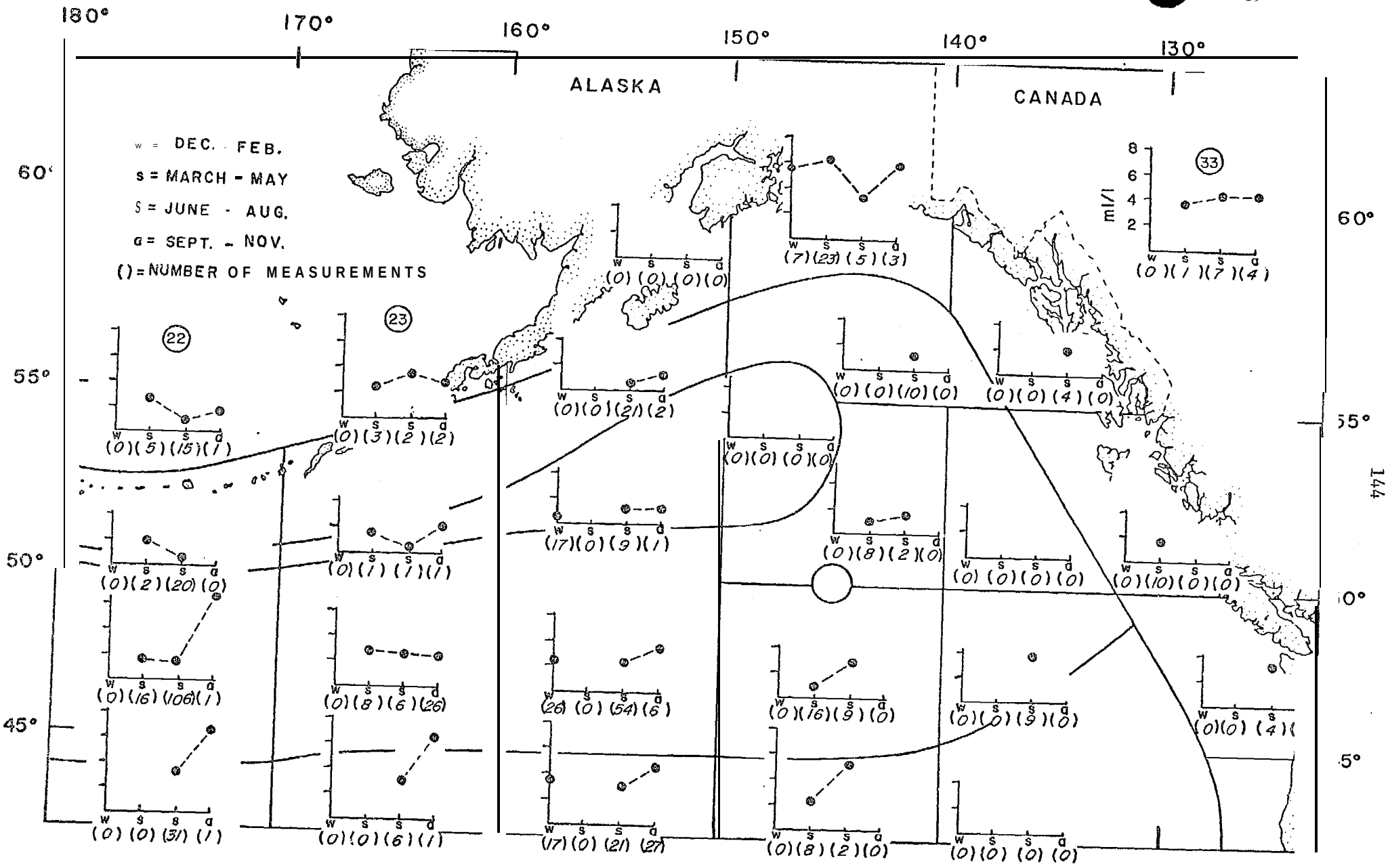


Figure 65. The distribution of oxygen (seasonal means, milliliters per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

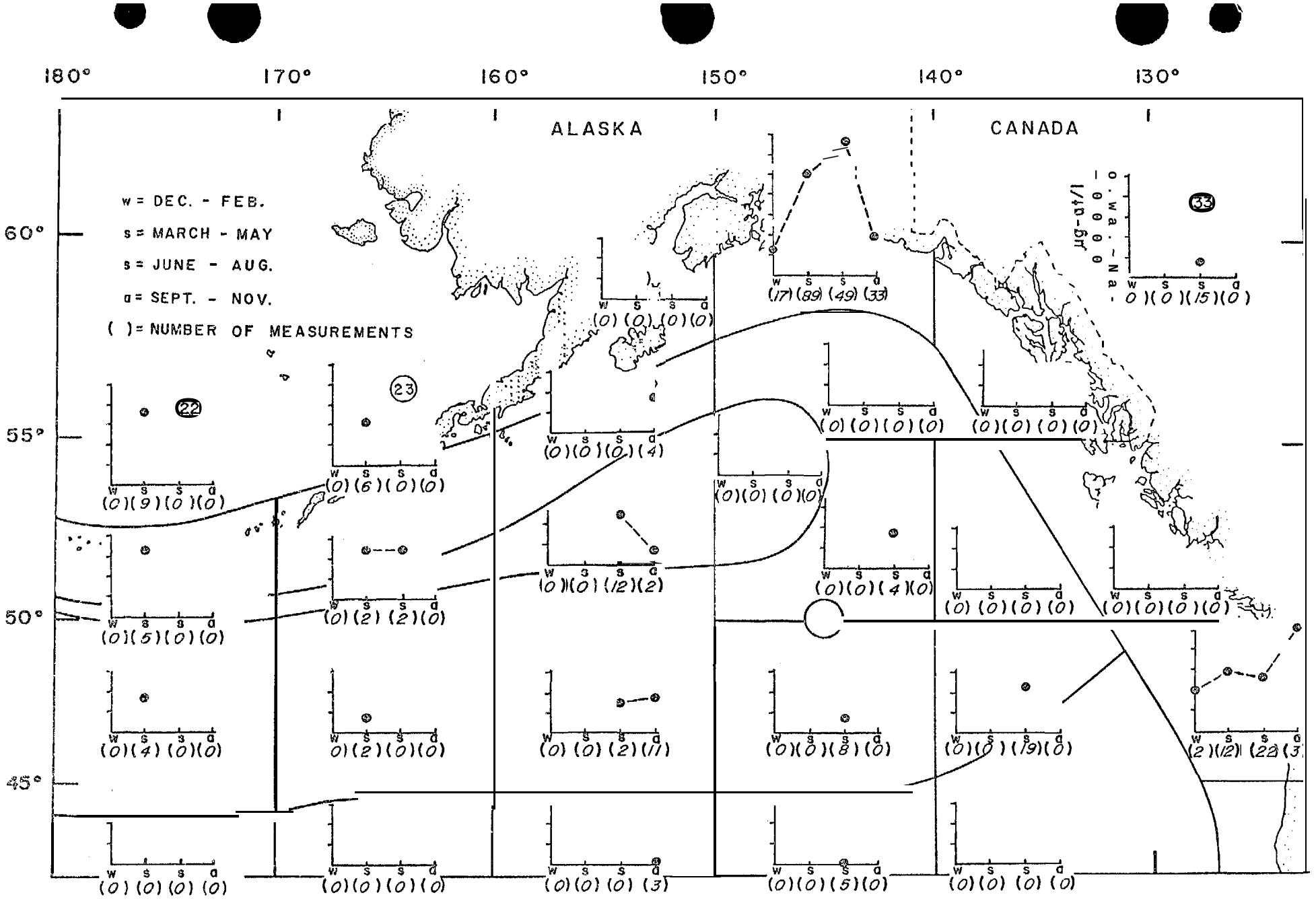


Figure 66. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

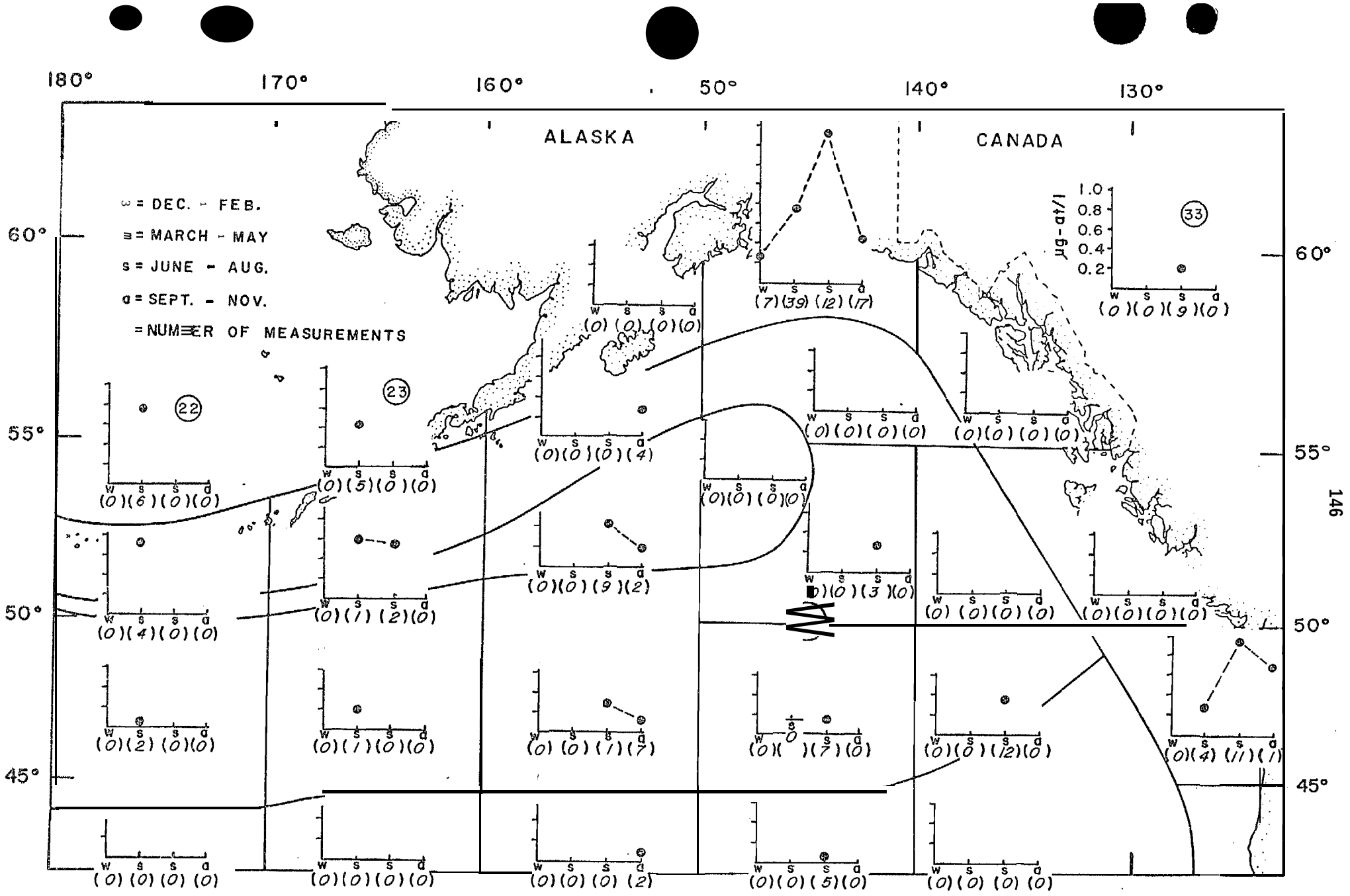


Figure 57. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

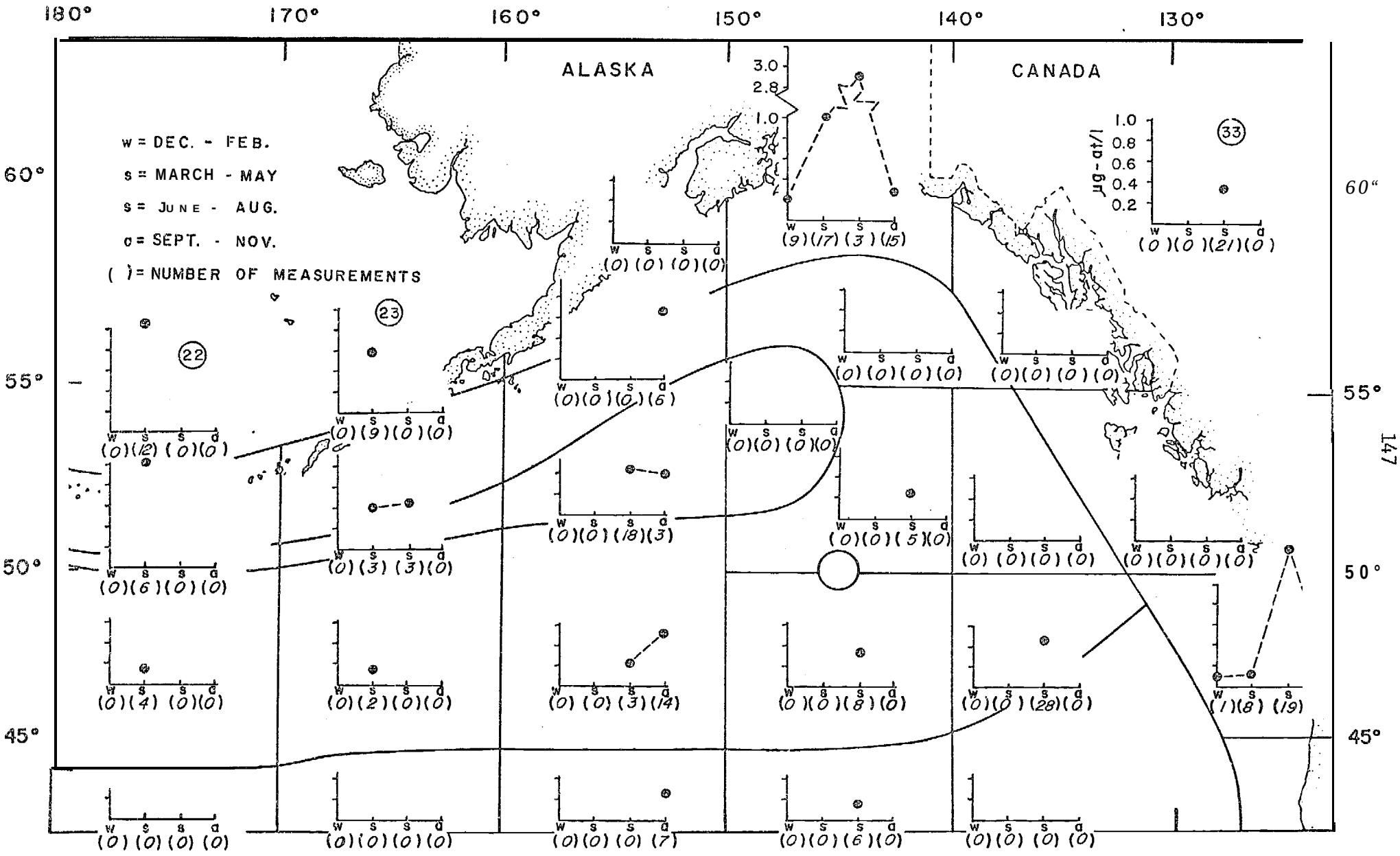


Figure 68. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

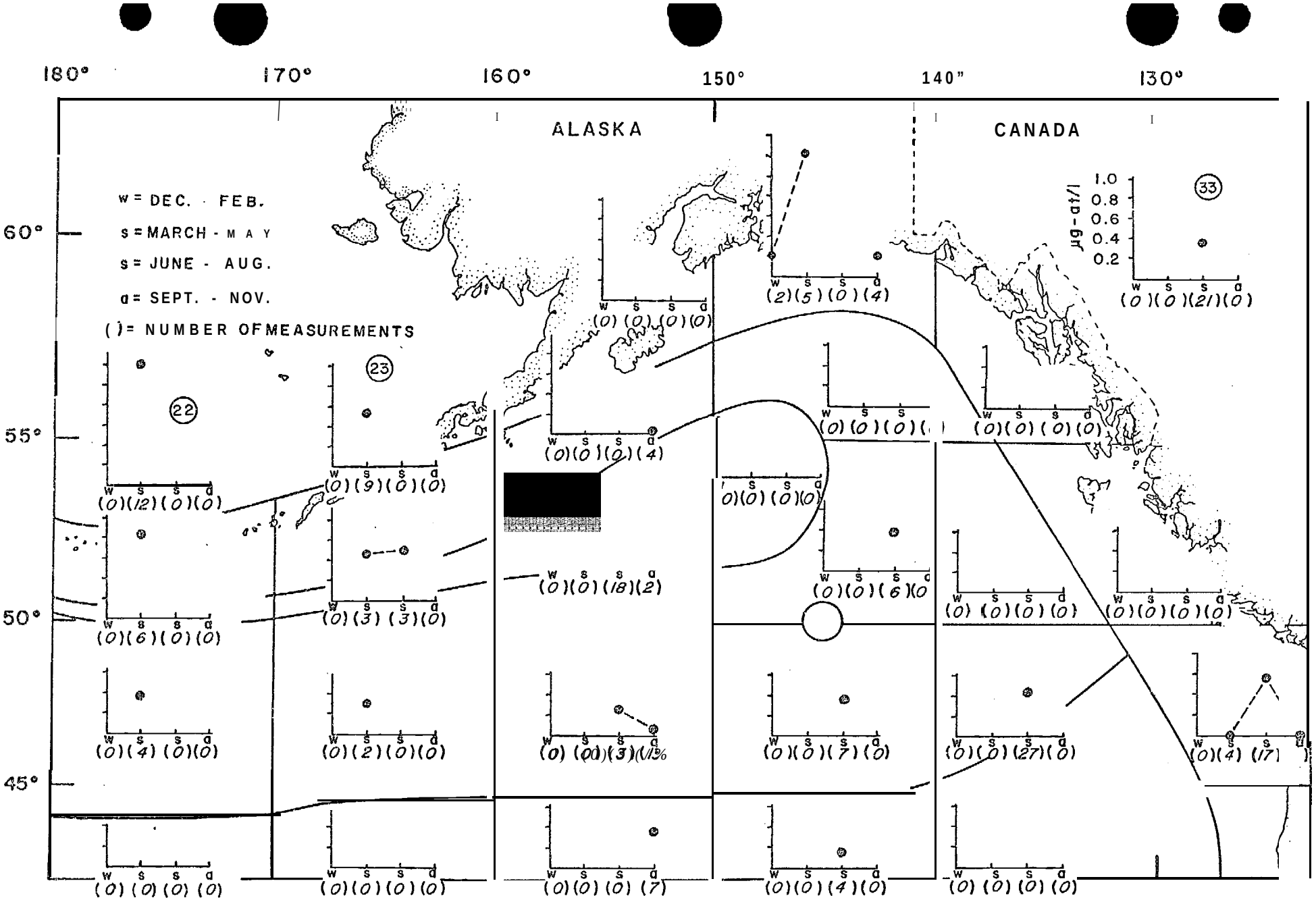


Figure 69. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1.958 through 1974, and the depth range 50.1 to 100 meters.

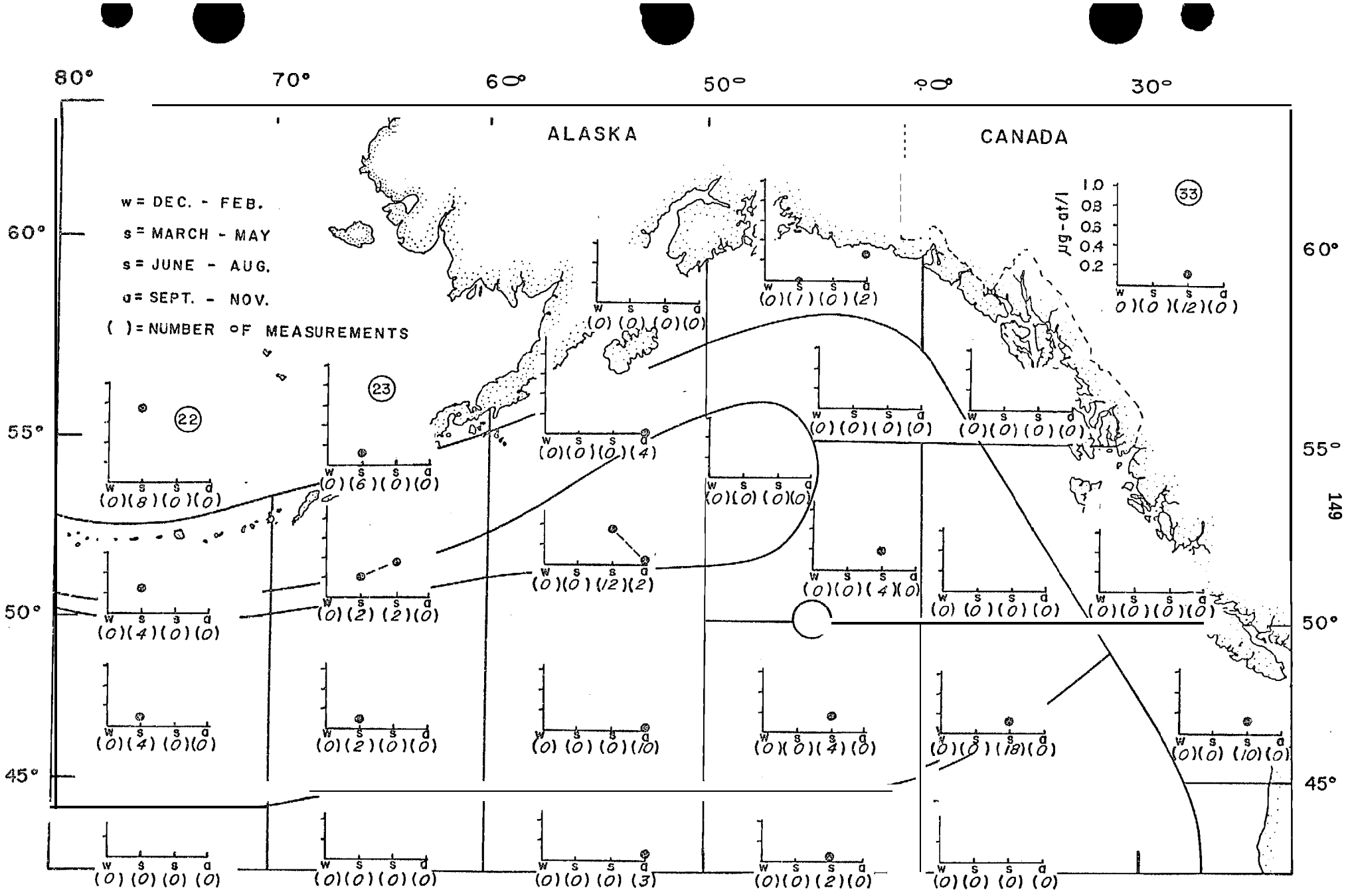


Figure 70. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

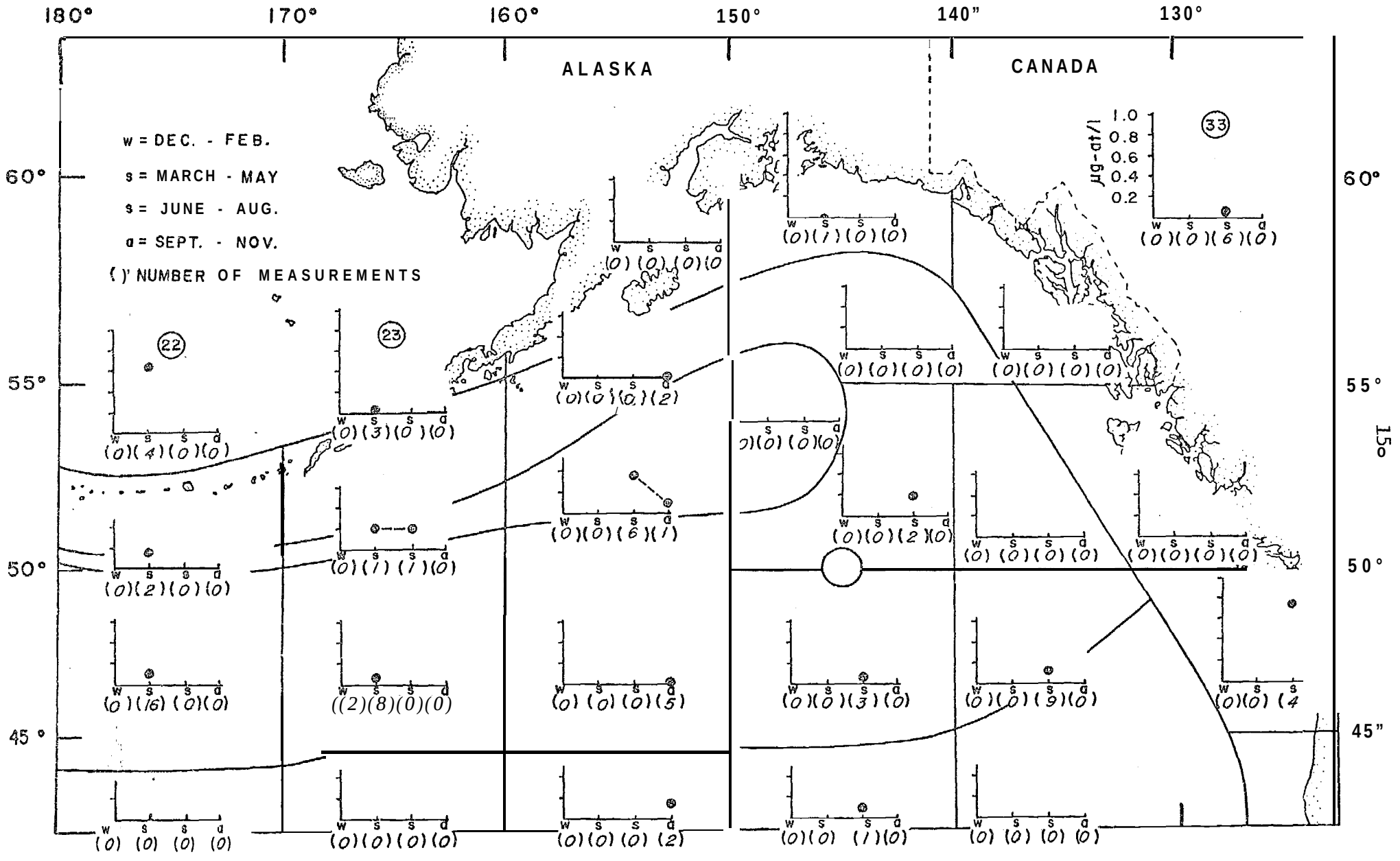


Figure 71. The distribution of ammonia (NH_3, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepest sampling depth.

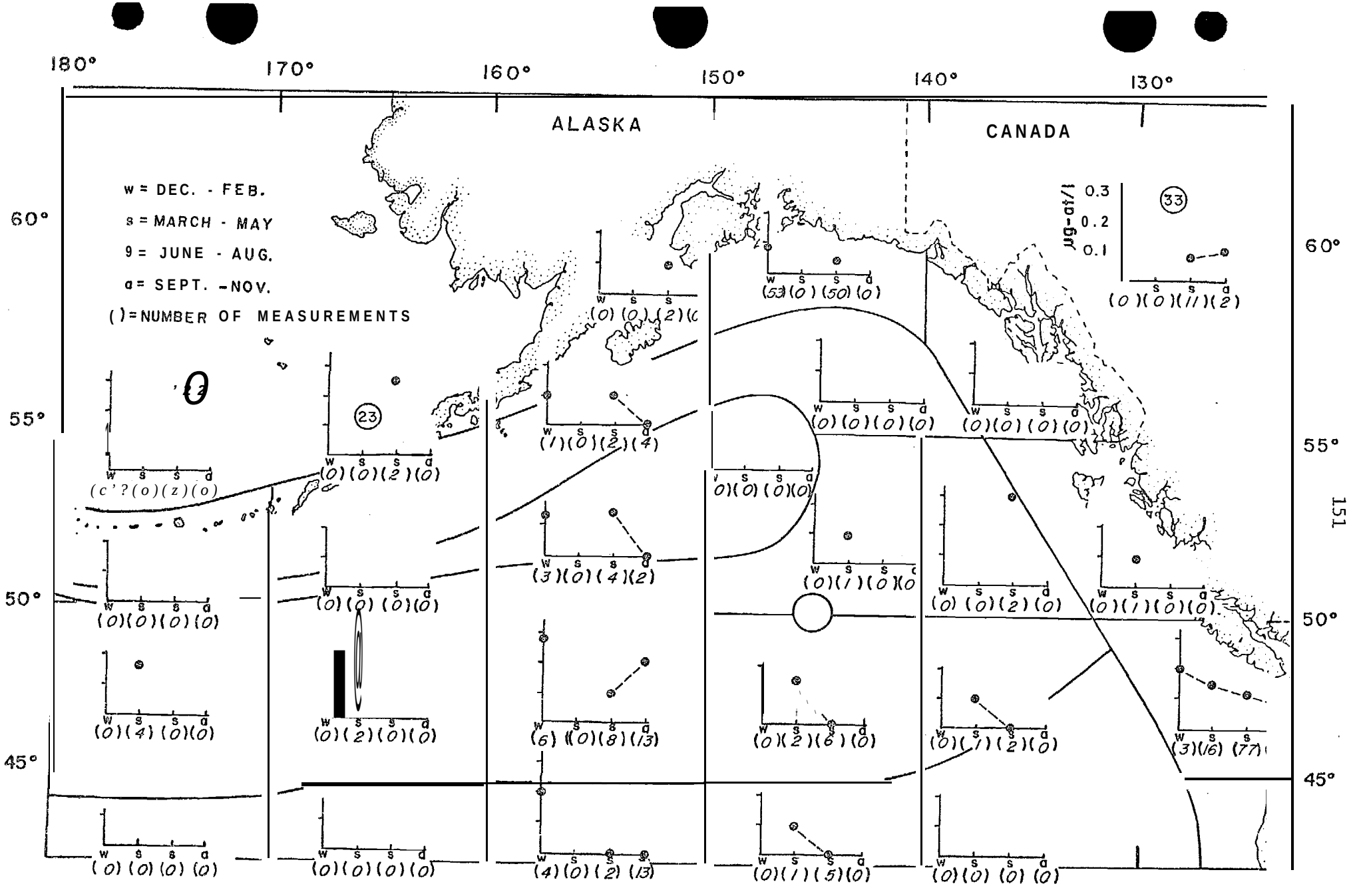


Figure 72. The distribution of nitrite (NO_2^-, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 0 to 10 meters.

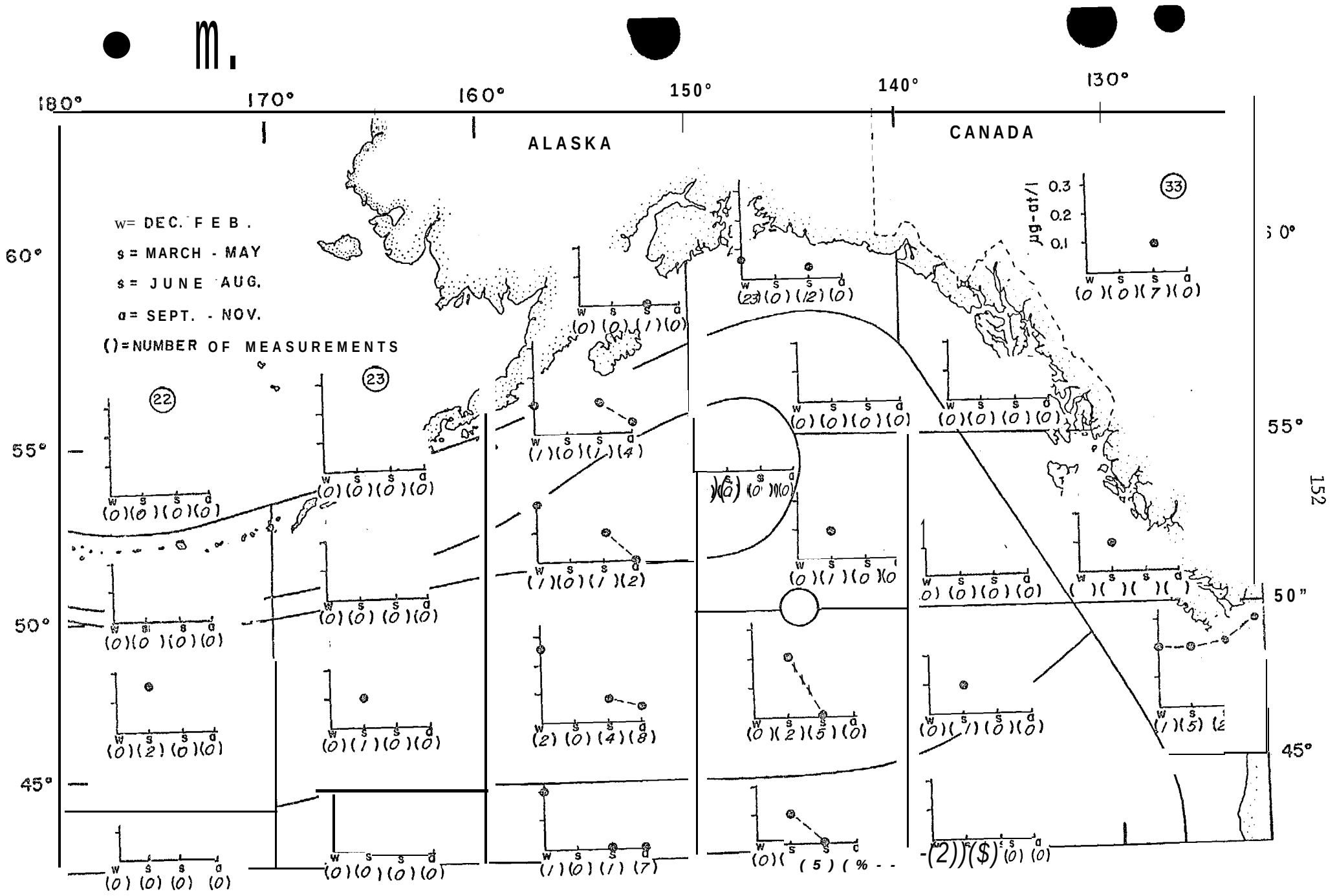


Figure 73. The distribution of nitrite (NO_2, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 10.1 to 25 meters.

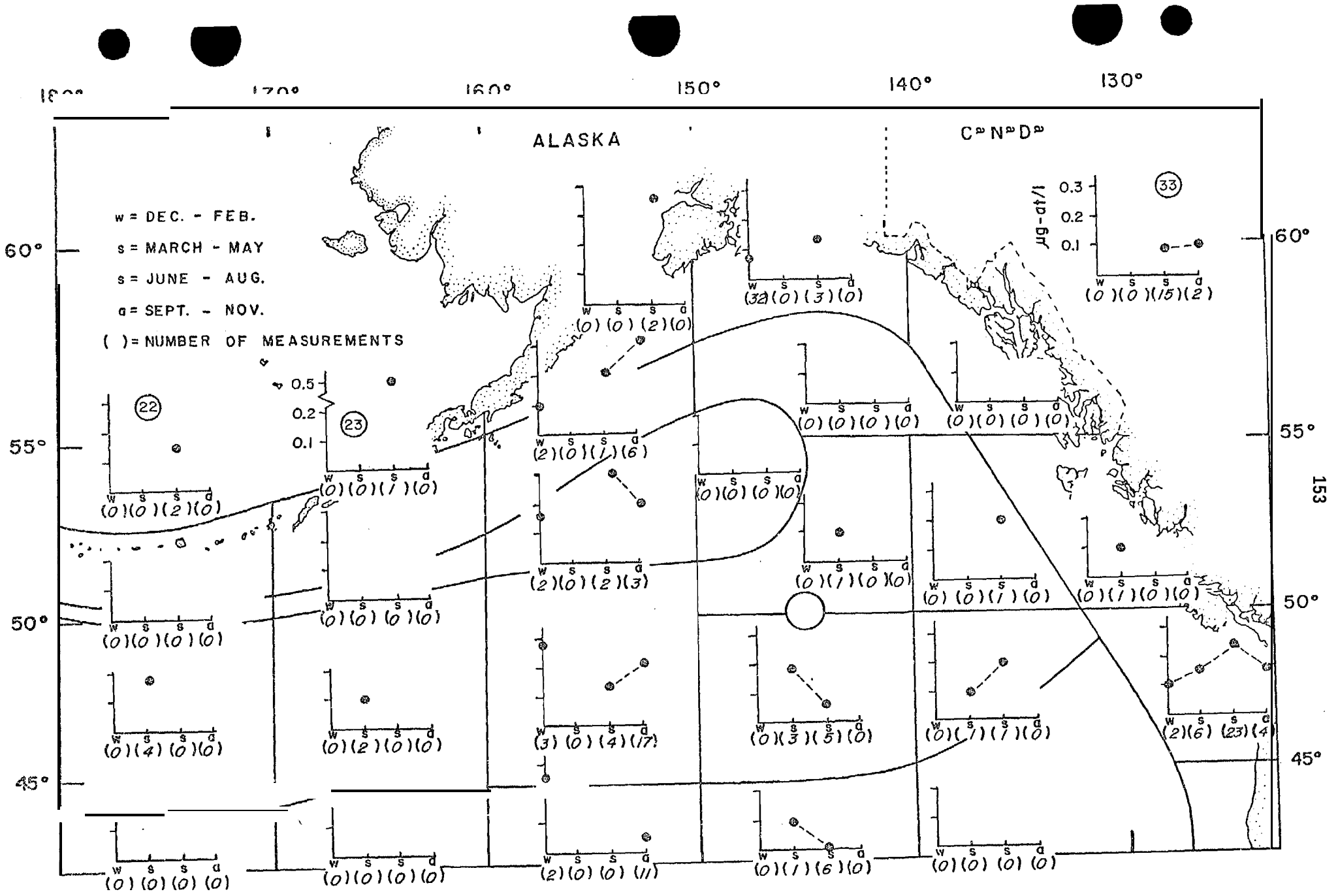


Figure 74. The distribution of nitrite (NO_2, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 25.1 to 50 meters.

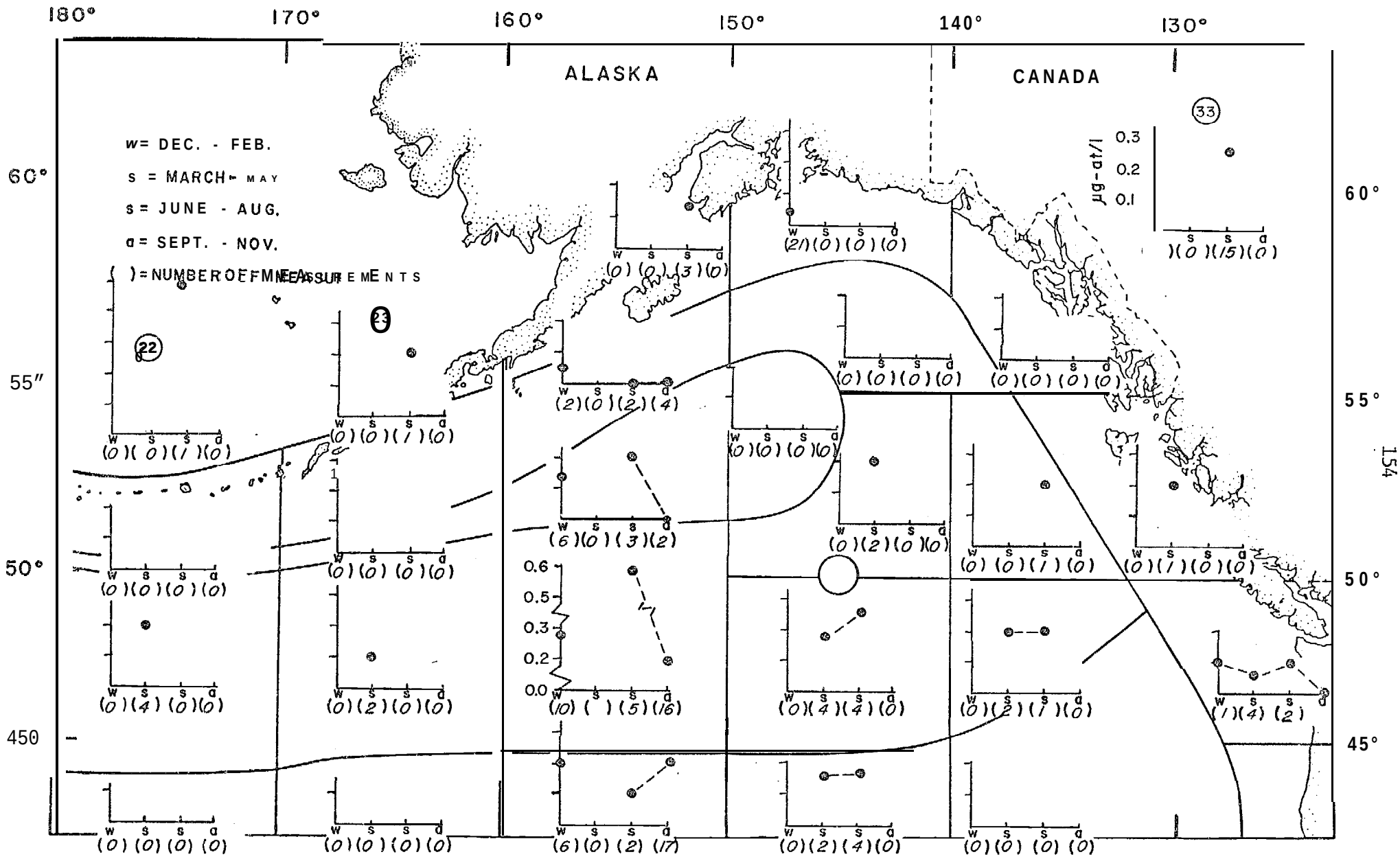


Figure 75. The distribution of nitrite (NO_2, seasonal means, microgram – atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 50.1 to 100 meters.

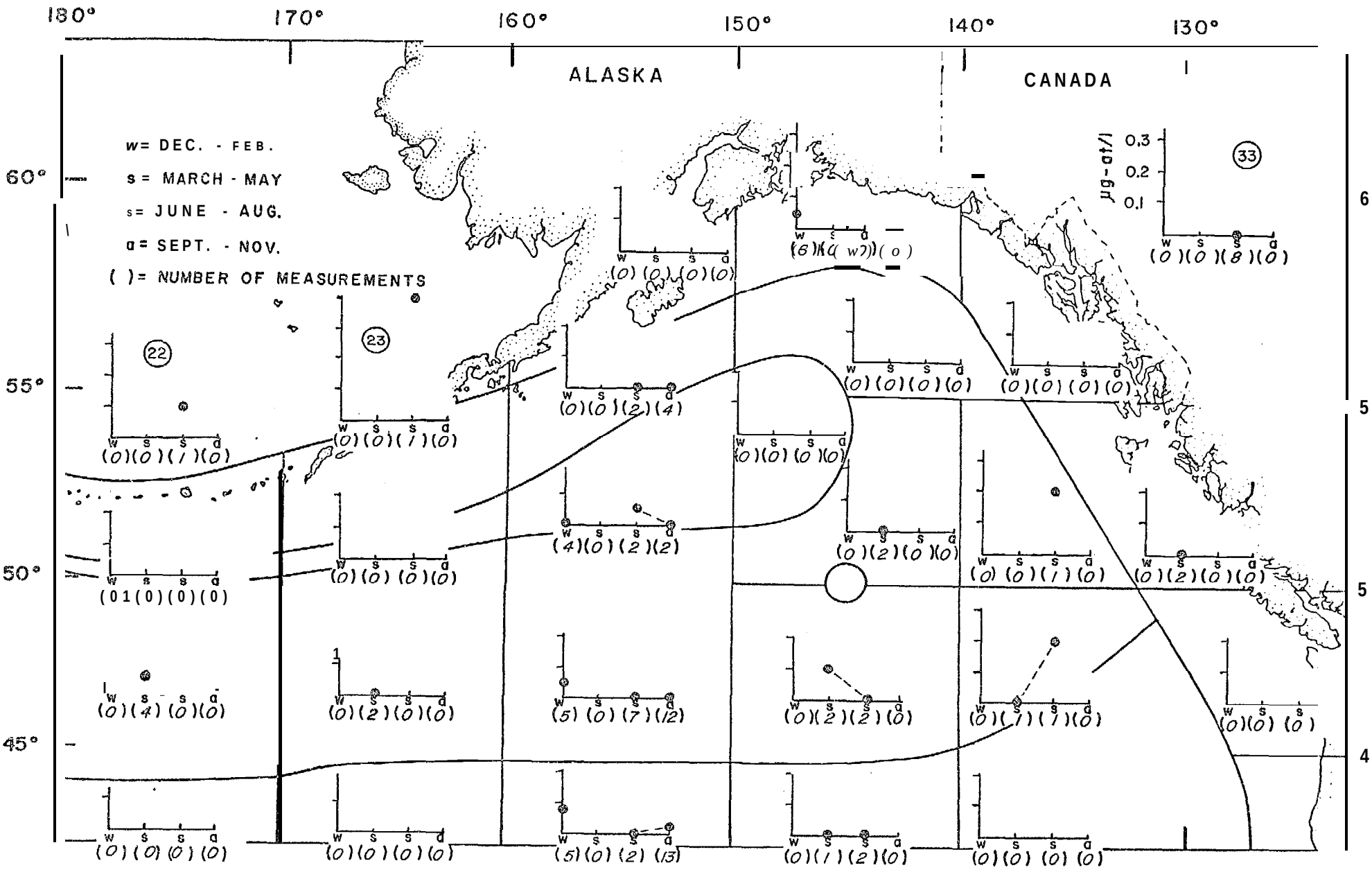


Figure 76. The distribution of nitrite (NO_2, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 100.1 to 150 meters.

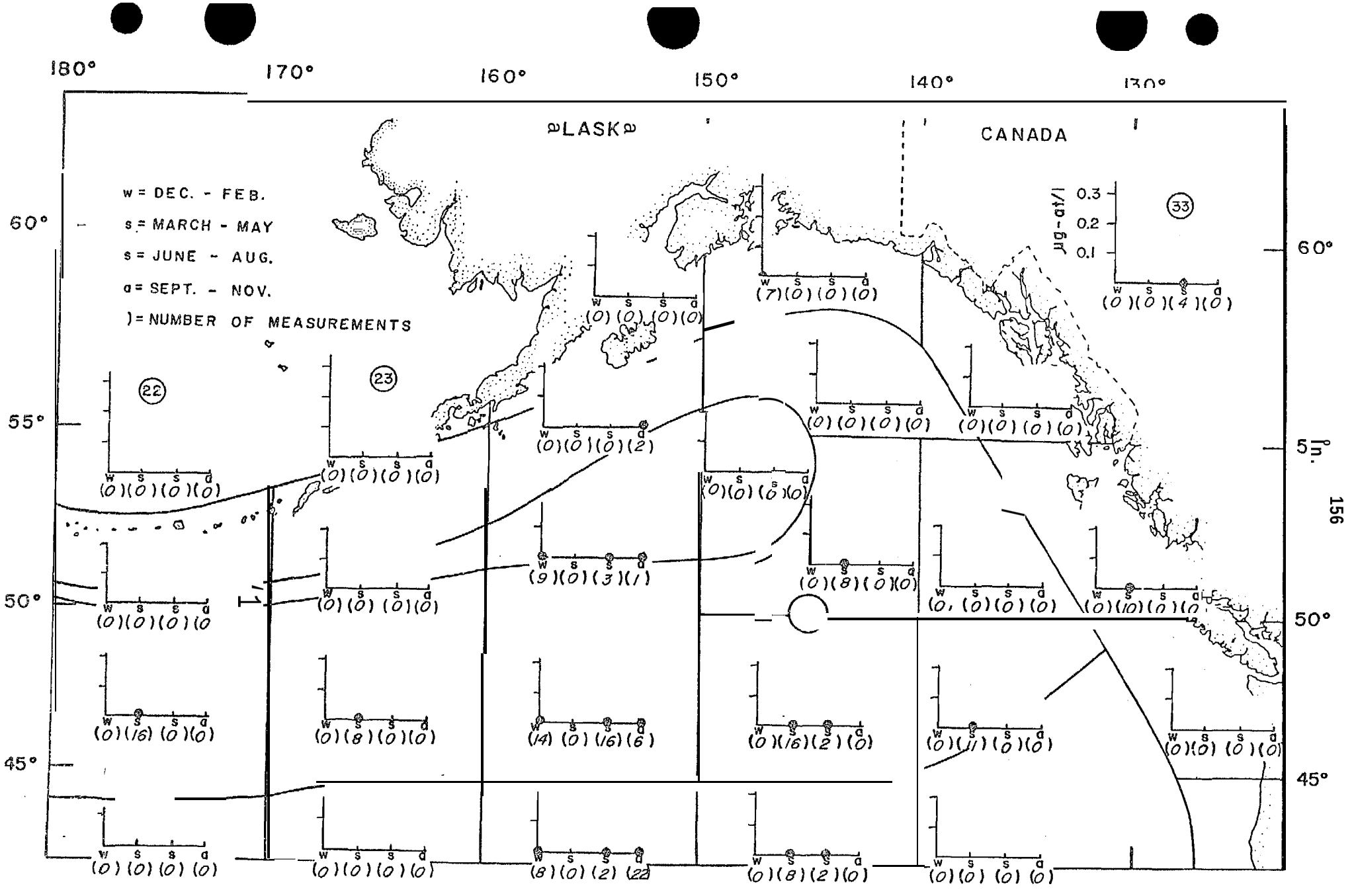


Figure 77. The distribution of nitrite (NO_2, seasonal means, microgram - atoms per liter) in the eastern Subarctic Pacific for the years 1958 through 1974, and the depth range 150.1 meters to the deepes= sampling depth.

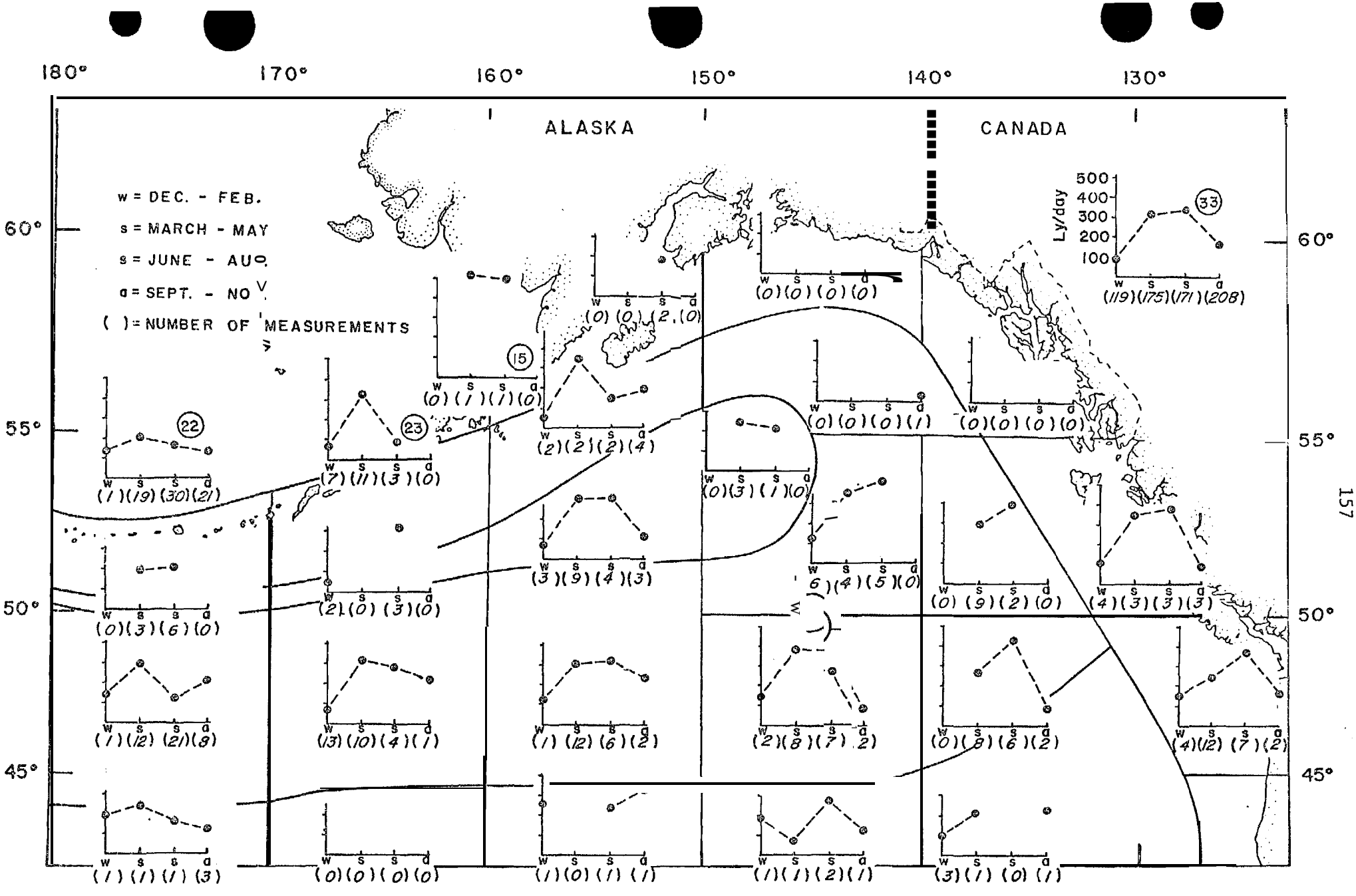


Figure 78. The distribution of incident solar radiation (seasonal means, Langleys per day) in the eastern Subarctic Pacific for the years 1958 through 1974.

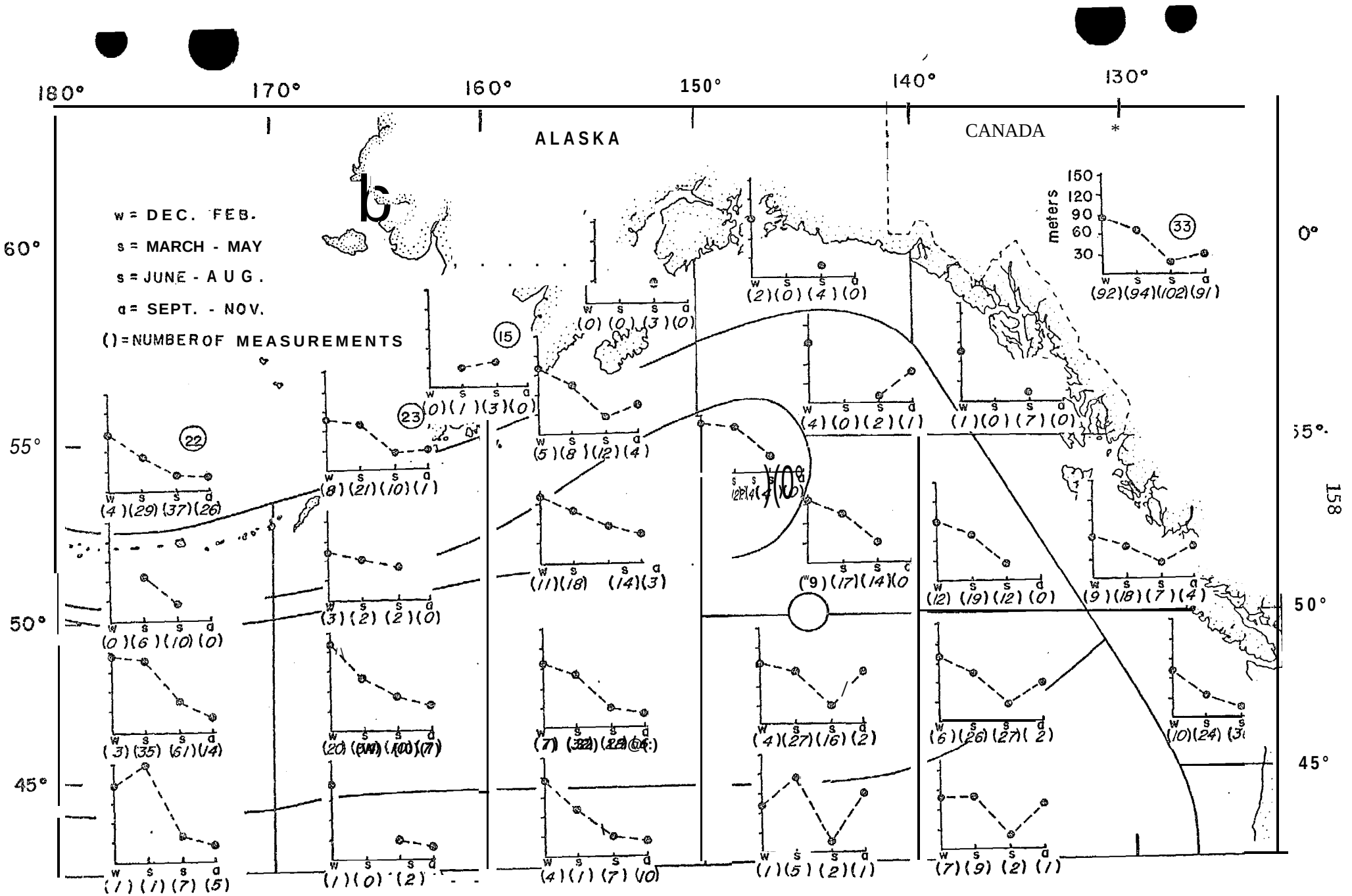


Figure 79. The distribution of the depth of the mixed layer (seasonal means in meters) in the eastern Subarctic Pacific for the years 1958 through 1974.

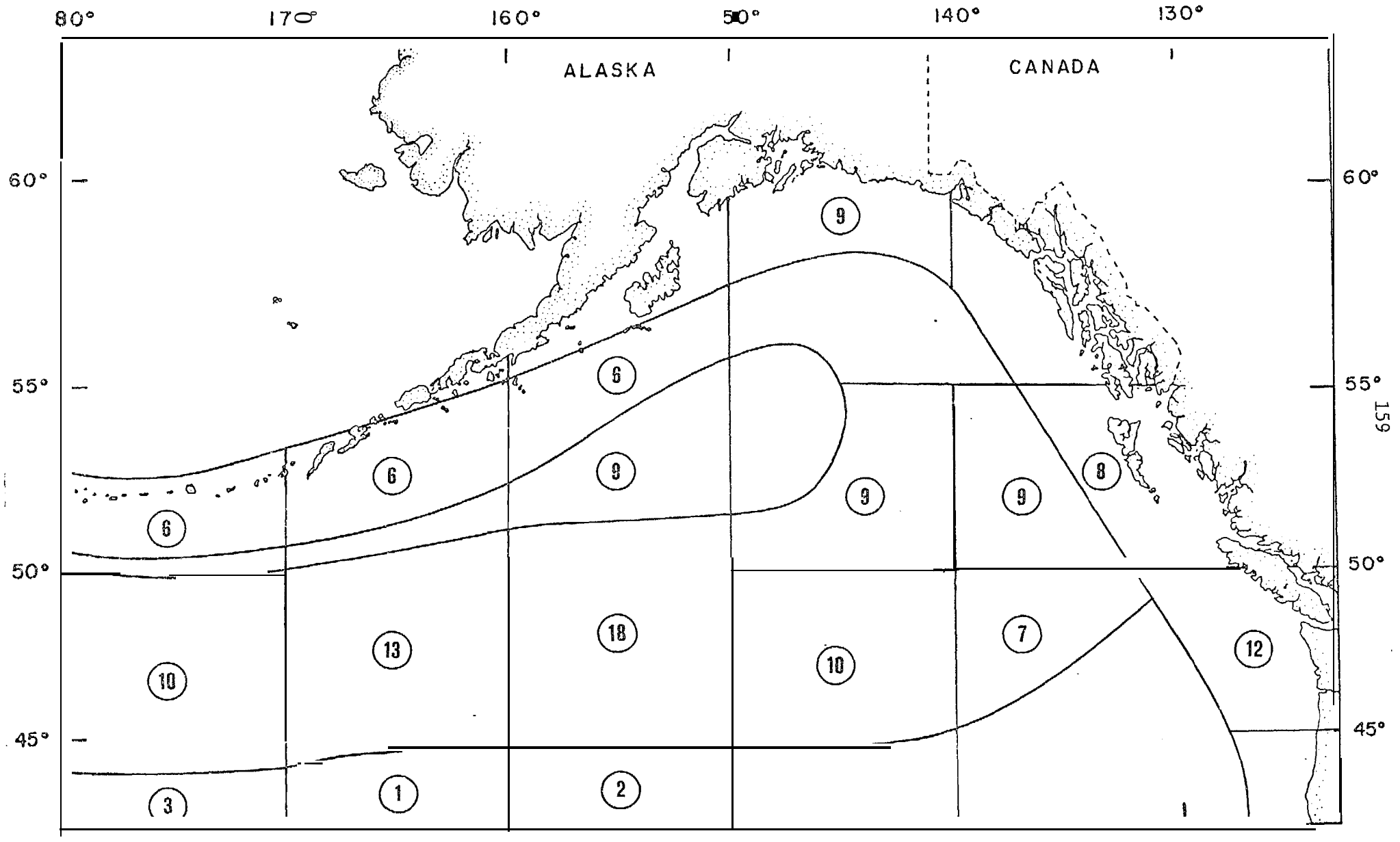


Figure 80. The number of stations within each zone at which phytoplankton species data were collected in the upper 10 meters of the water column from January to July, 1966, and 1969 to 1972.

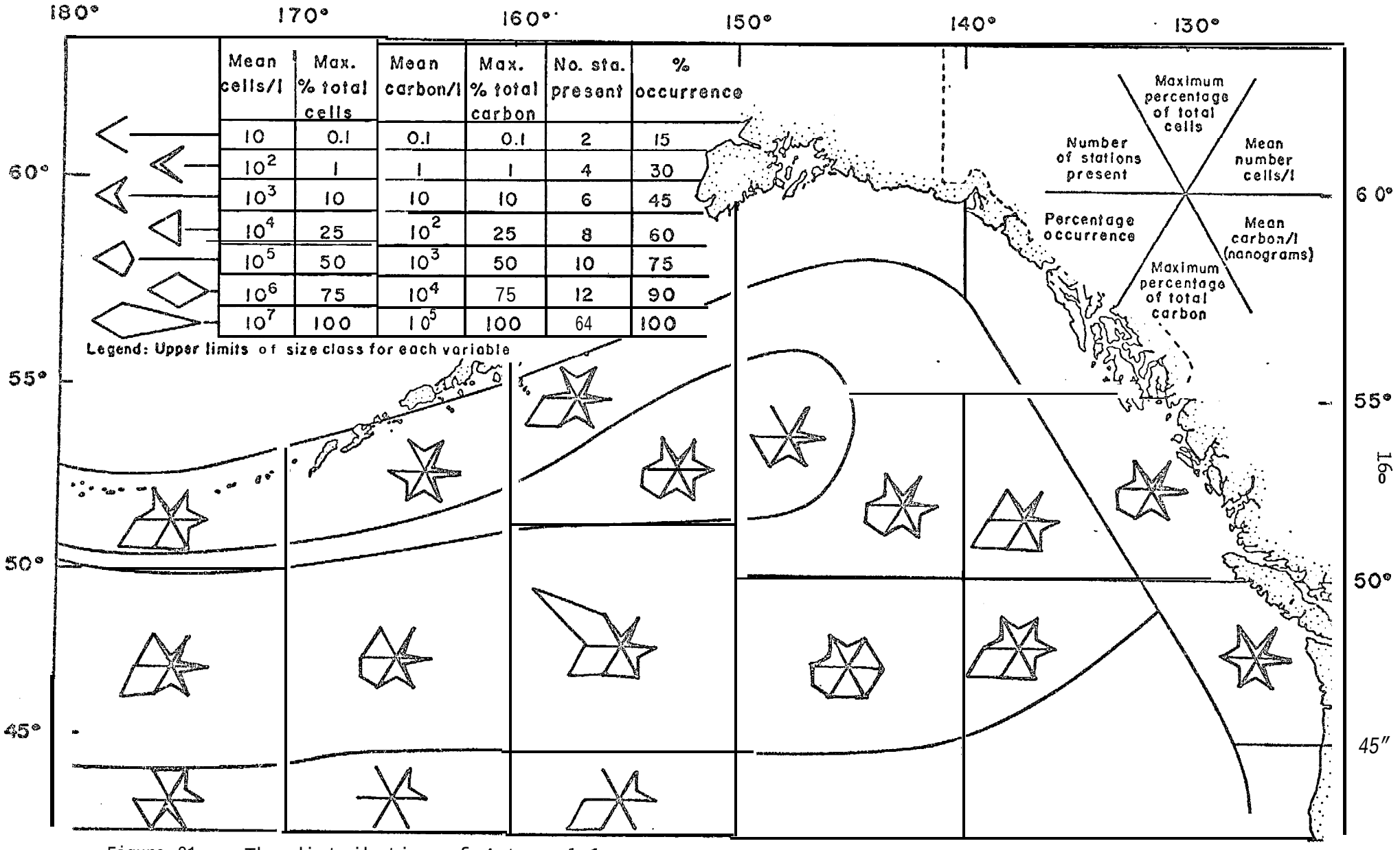


Figure 81.. The distribution of *Asteromphalus* spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

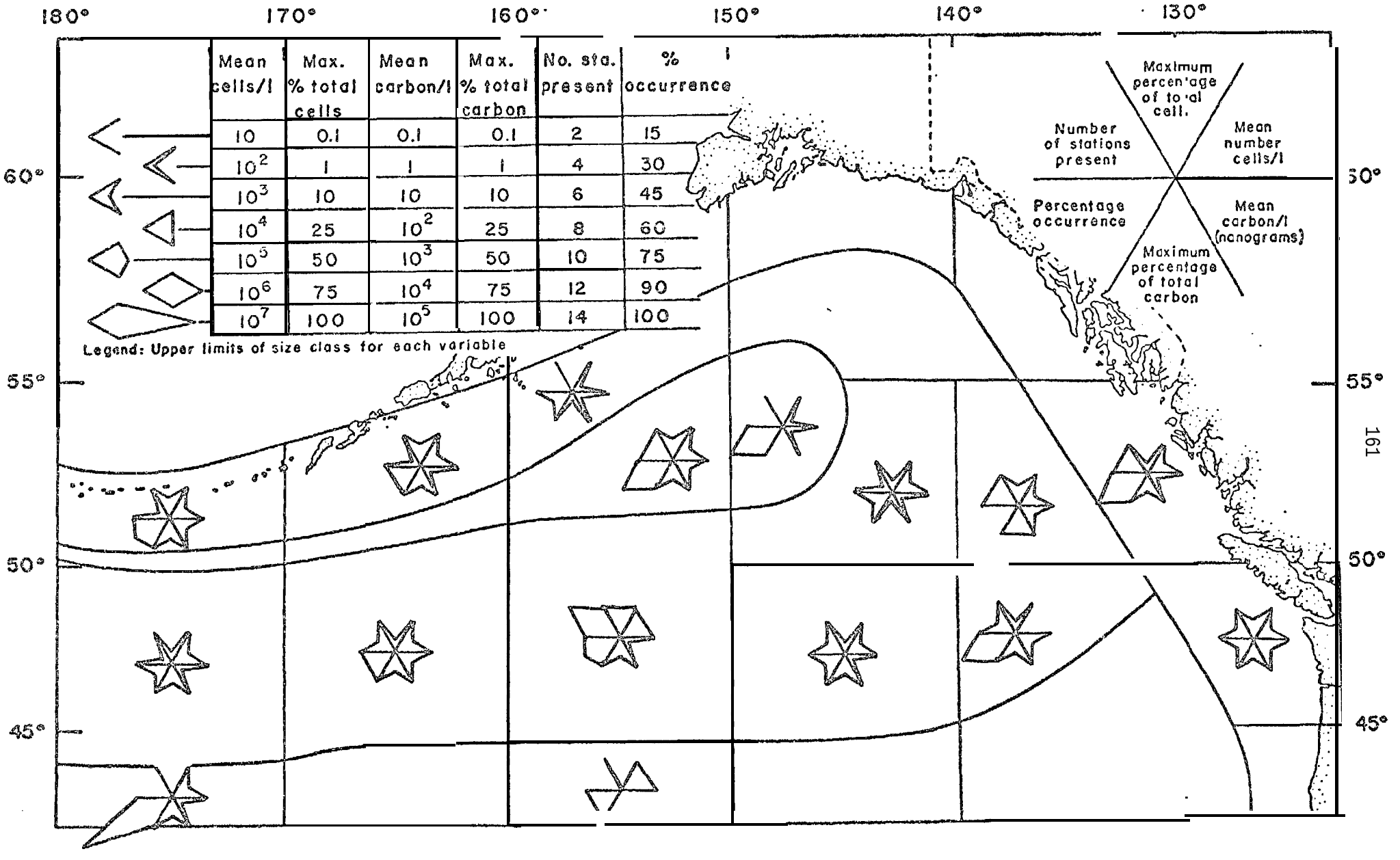


Figure 82. The distribution of *Chaetoceros atlanticus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

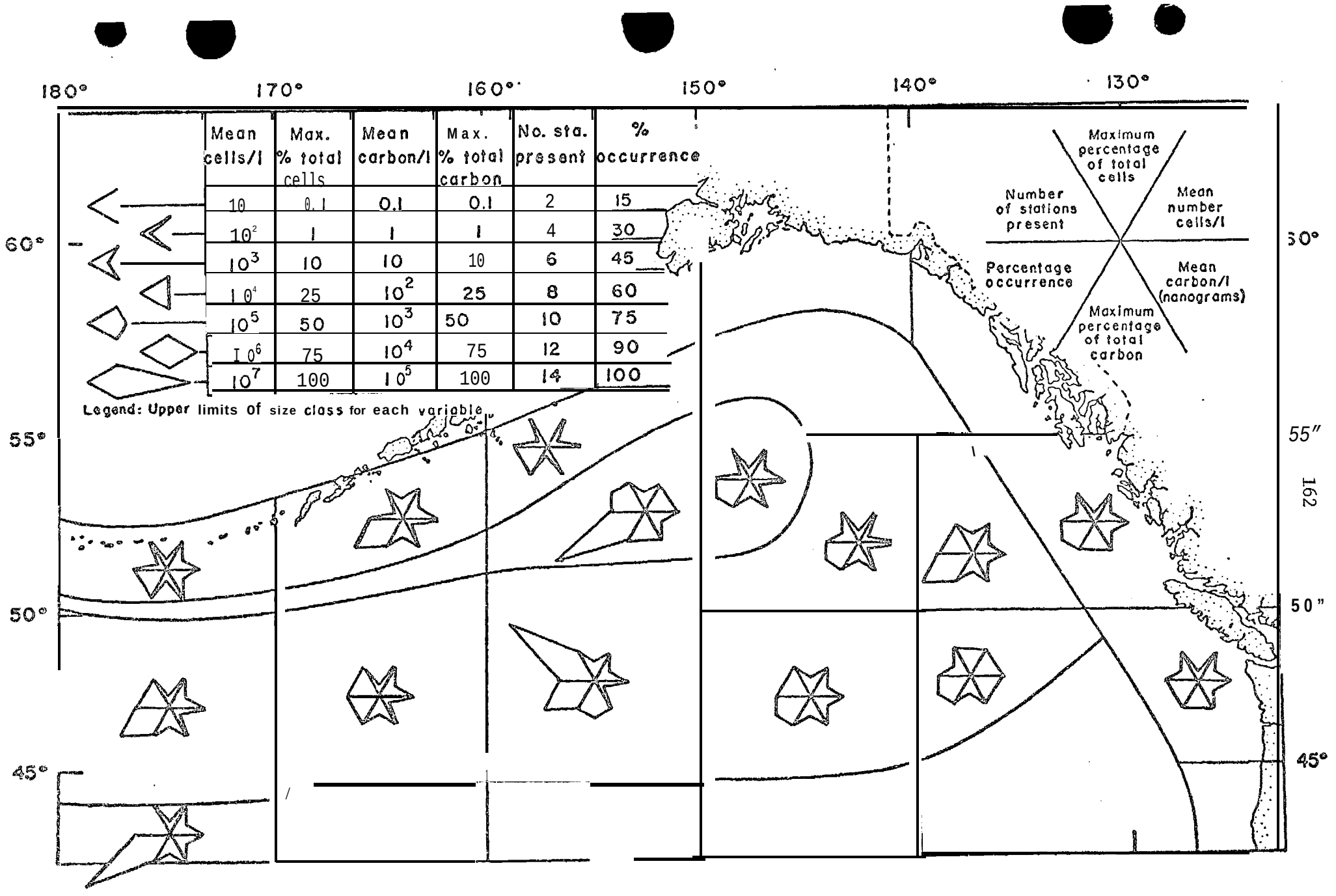


Figure 83. The distribution of *Chaetoceros convolutus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

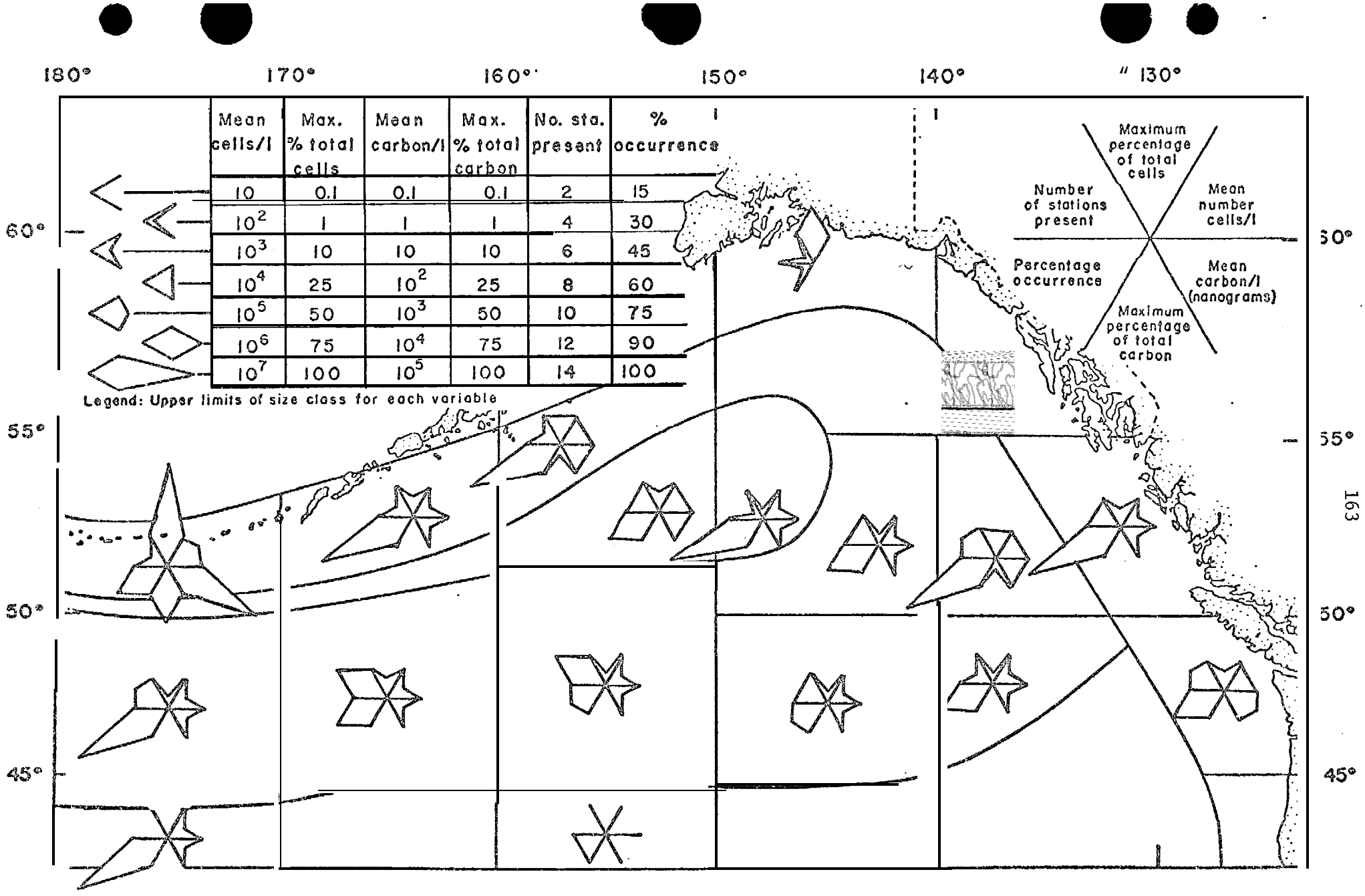


Figure 84. The distribution of *Chaetoceros* hyalochaete spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

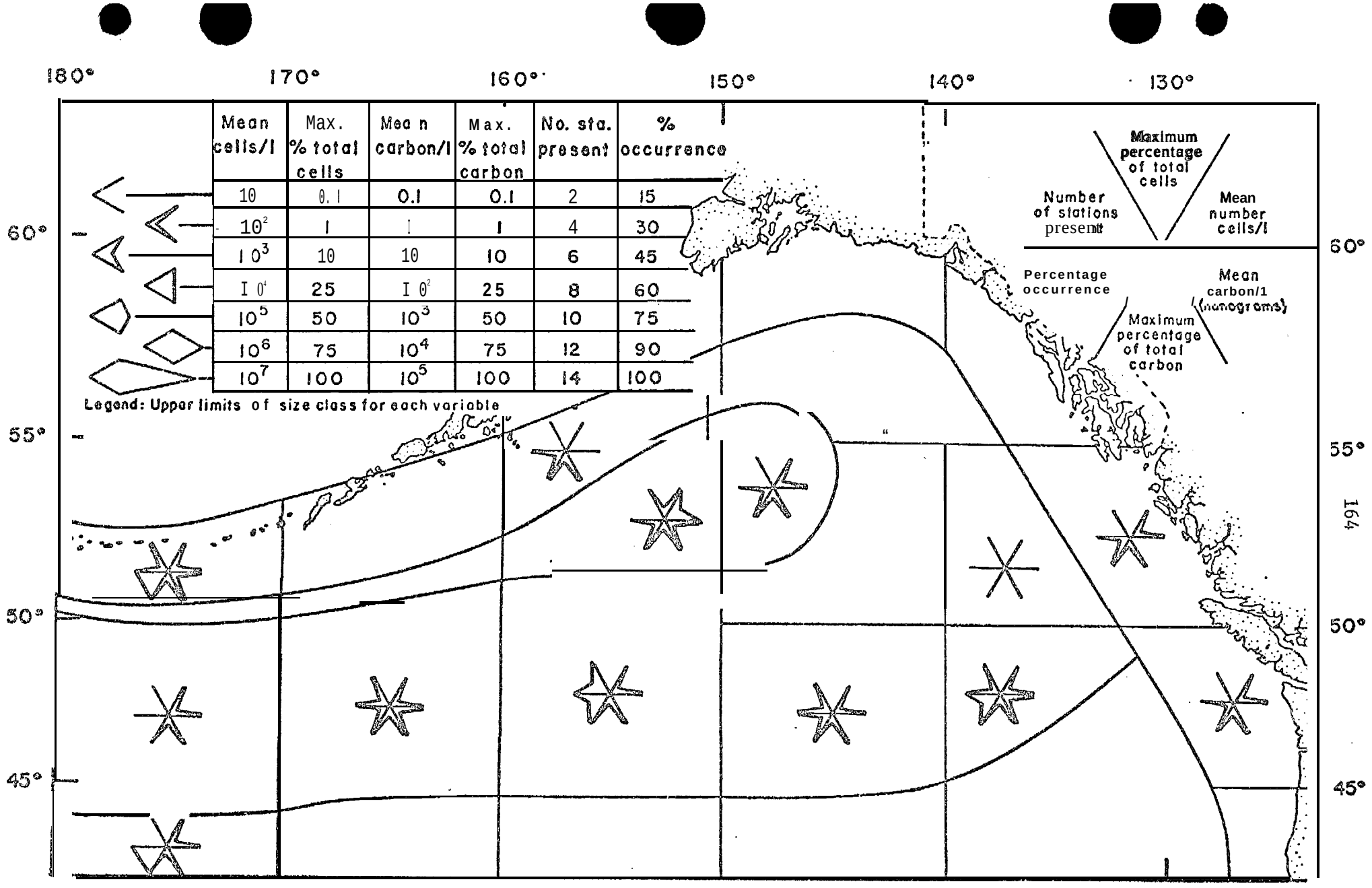


Figure 85. The distribution of *Chaetoceros peruvianus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

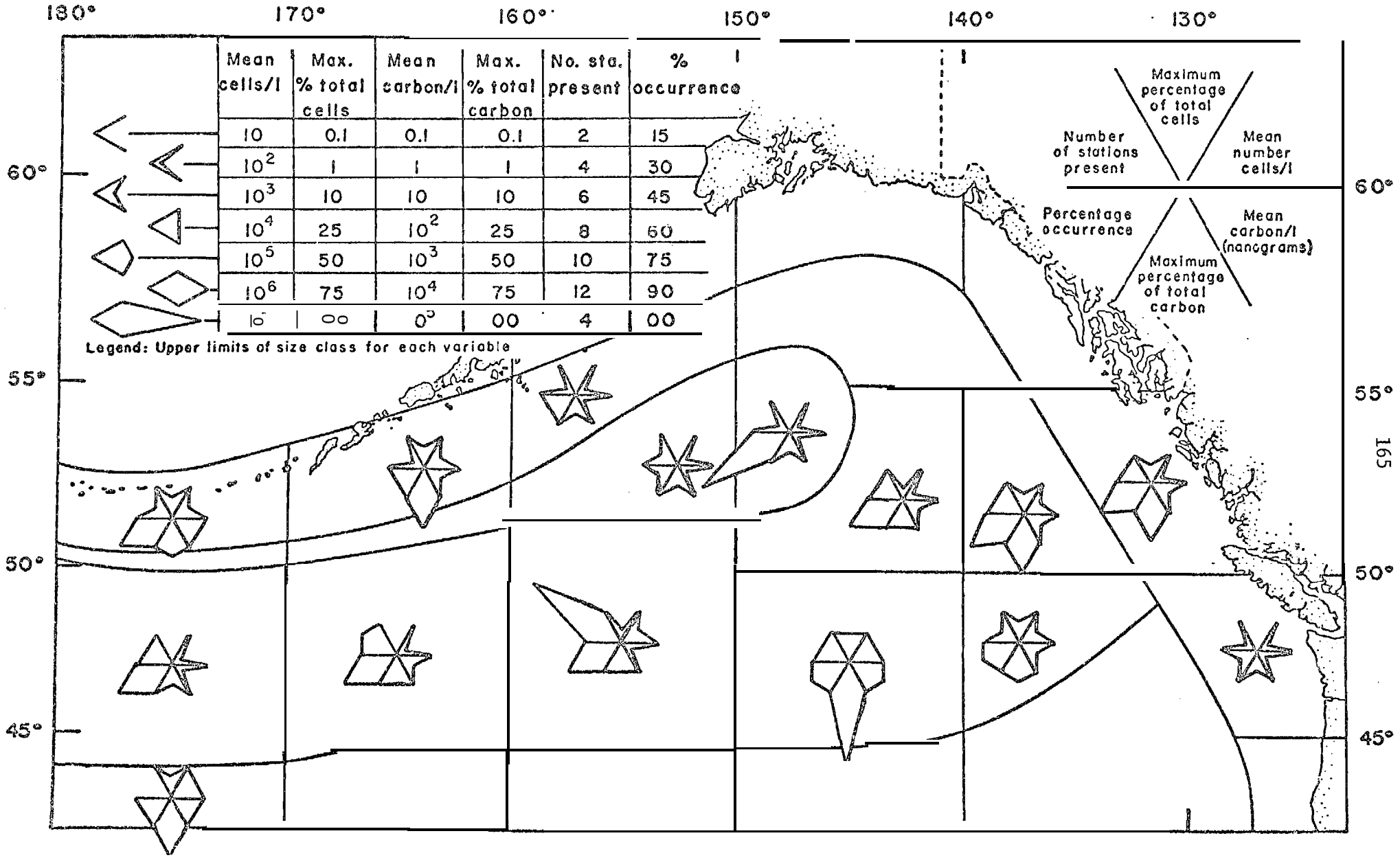


Figure 86. The distribution of *Corethron hystrix* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

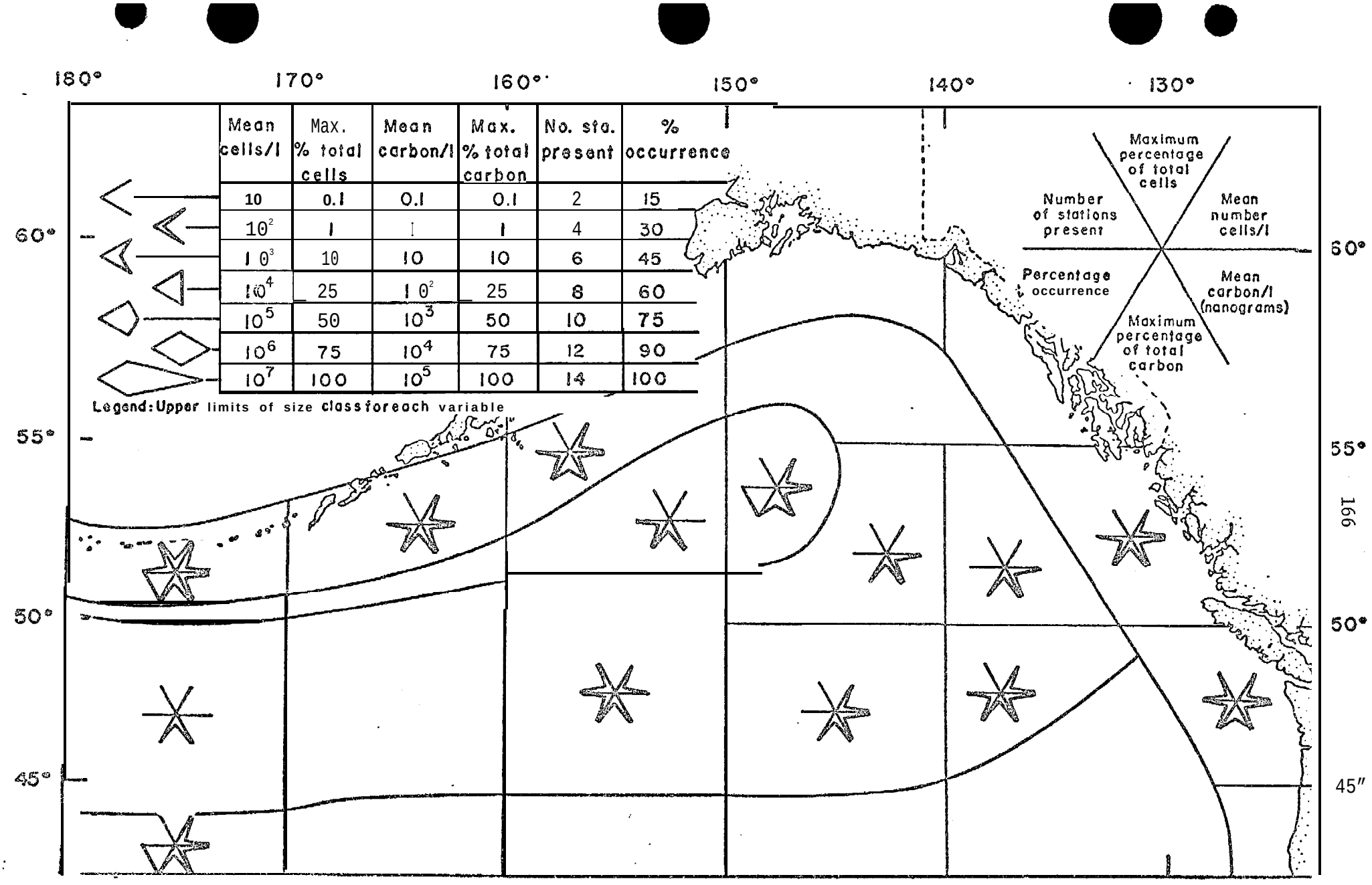


Figure 87. The distribution of *Coscinodiscus centralis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

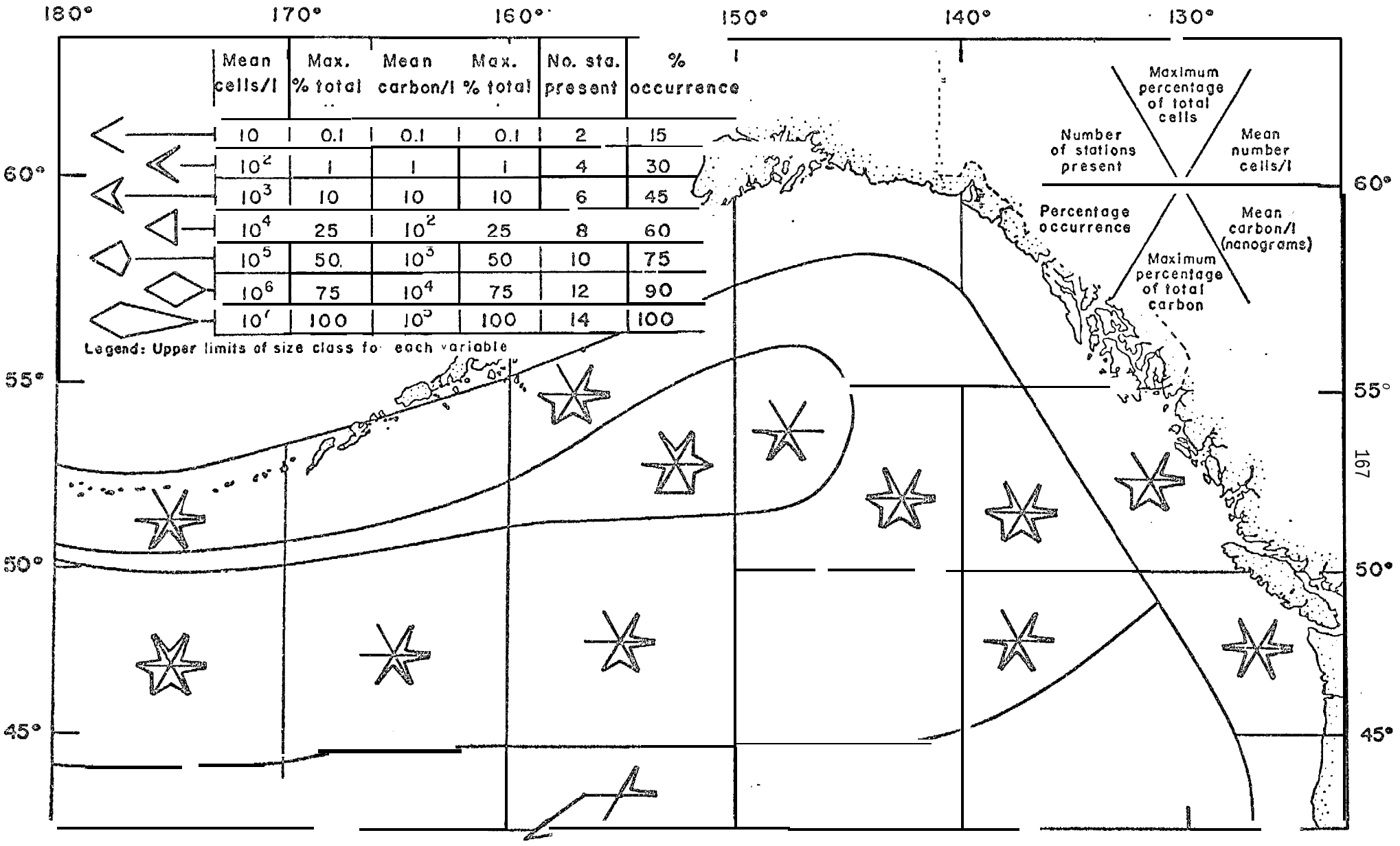


Figure 88. The distribution of *Coscinodiscus curvatulus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

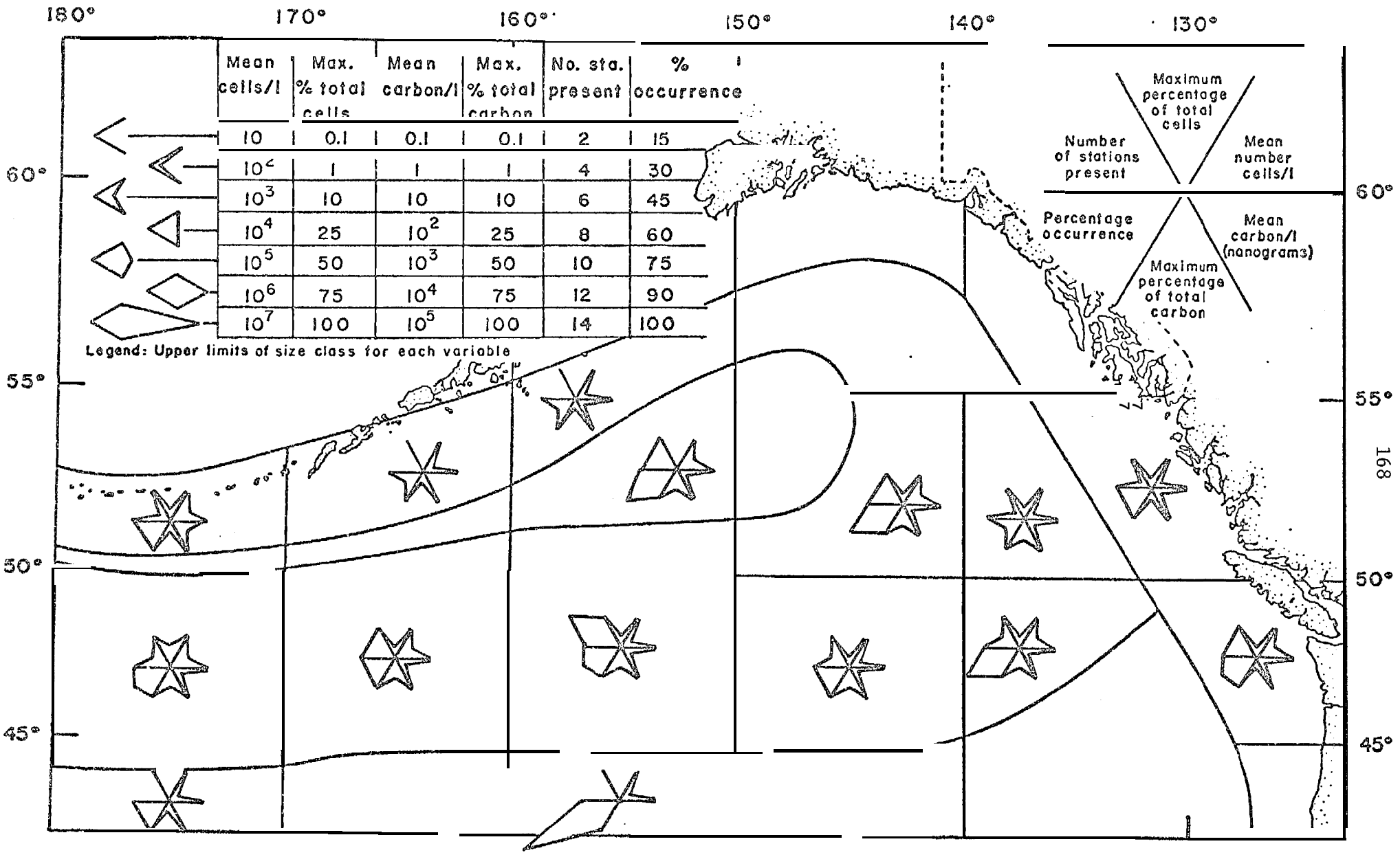


Figure 89. The distribution of *Coscinodiscus lineatus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

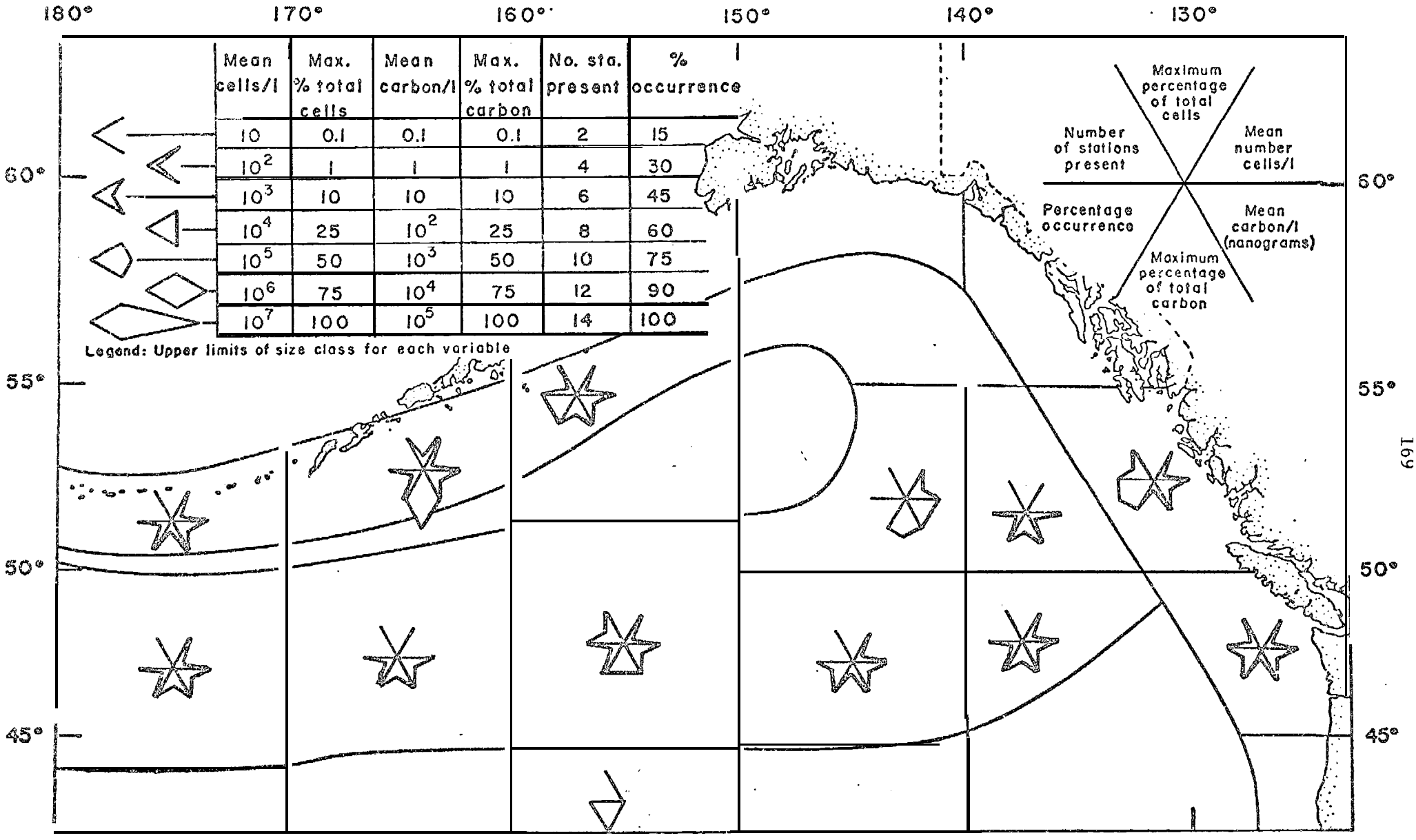


Figure 90. The distribution of *Coscinodiscus oculus iridis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

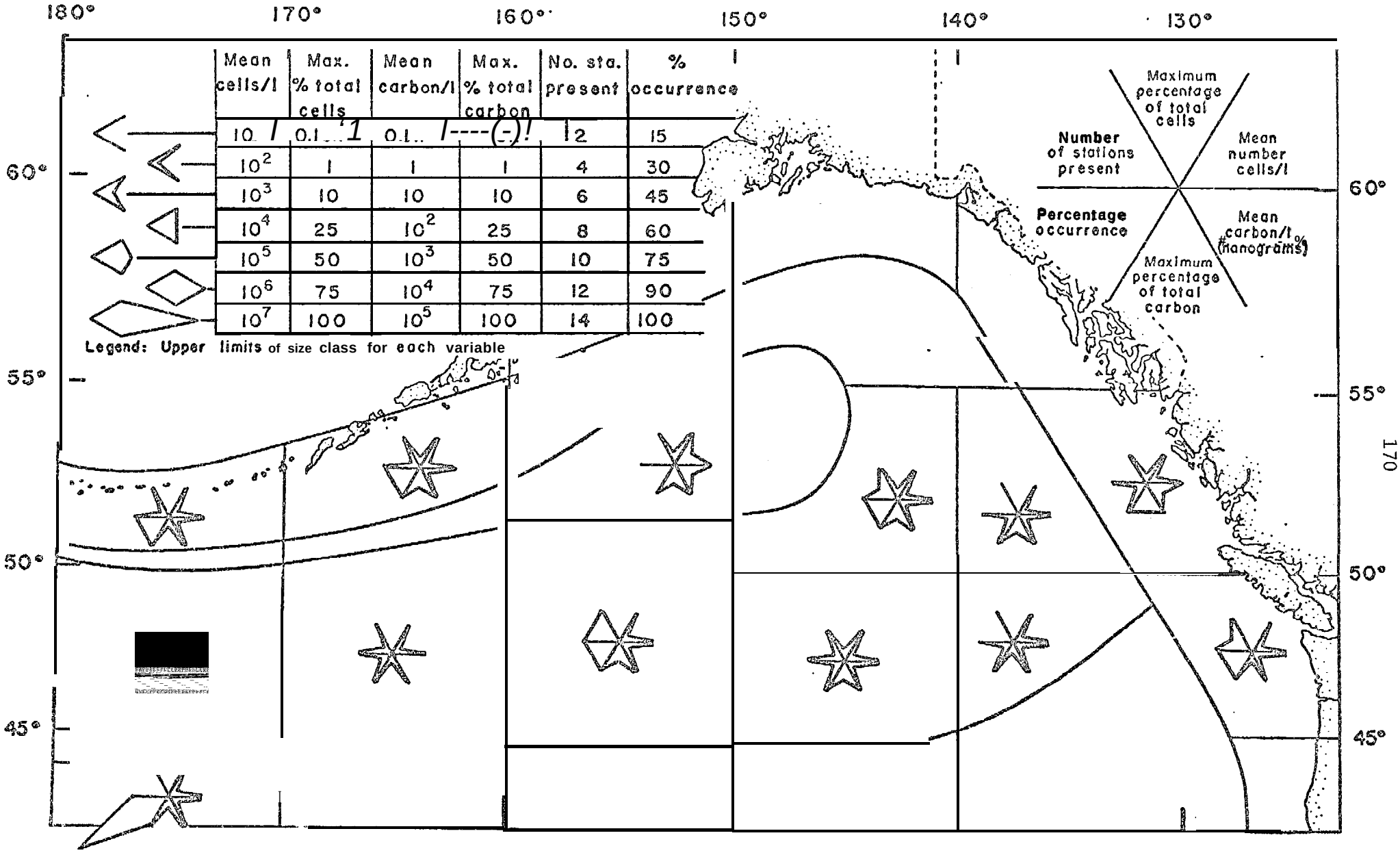


Figure 91. The distribution of *Coscinodiscus radiatus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

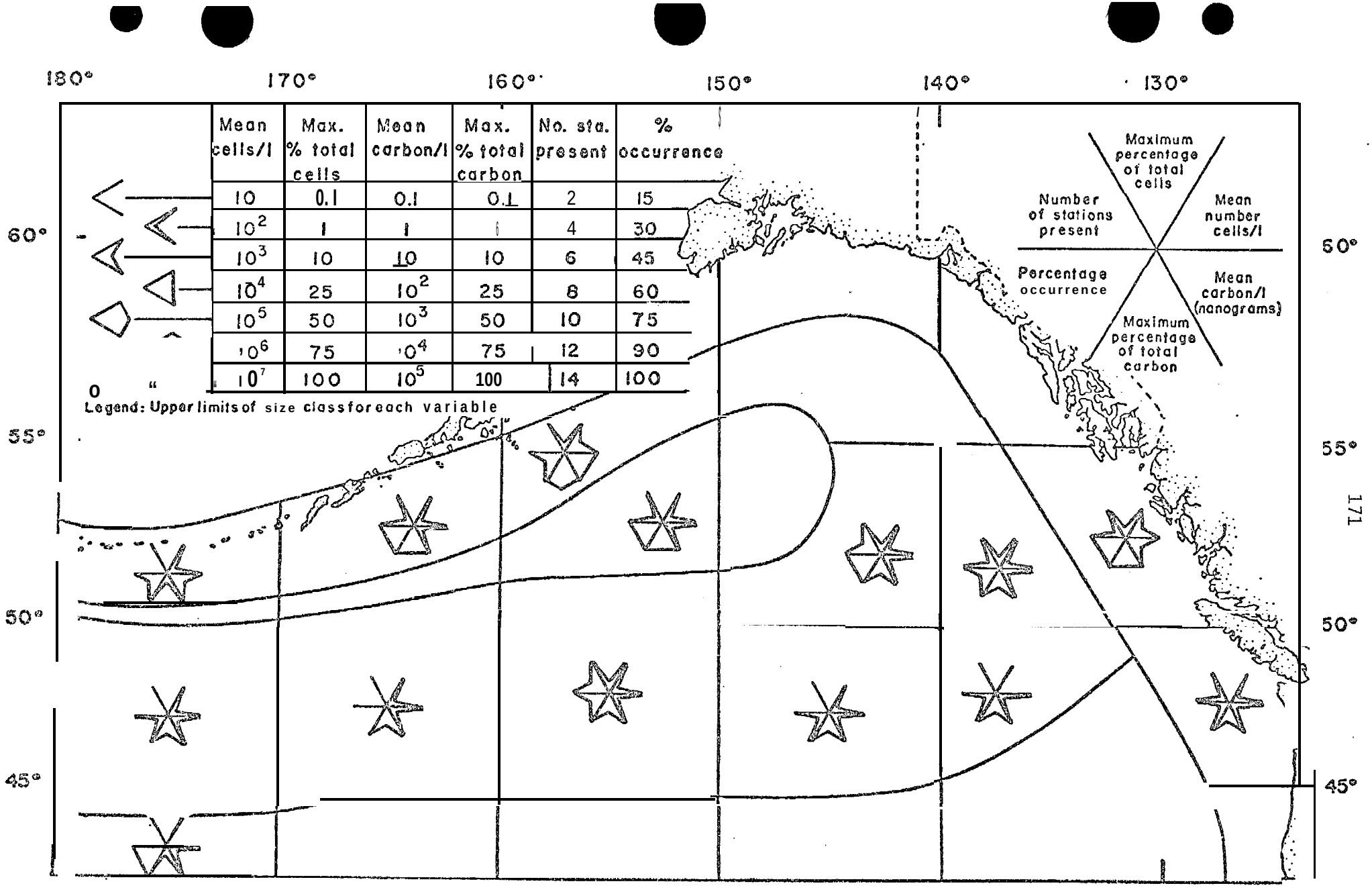


Figure 92. The distribution of *Coscinodiscus stellaris* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

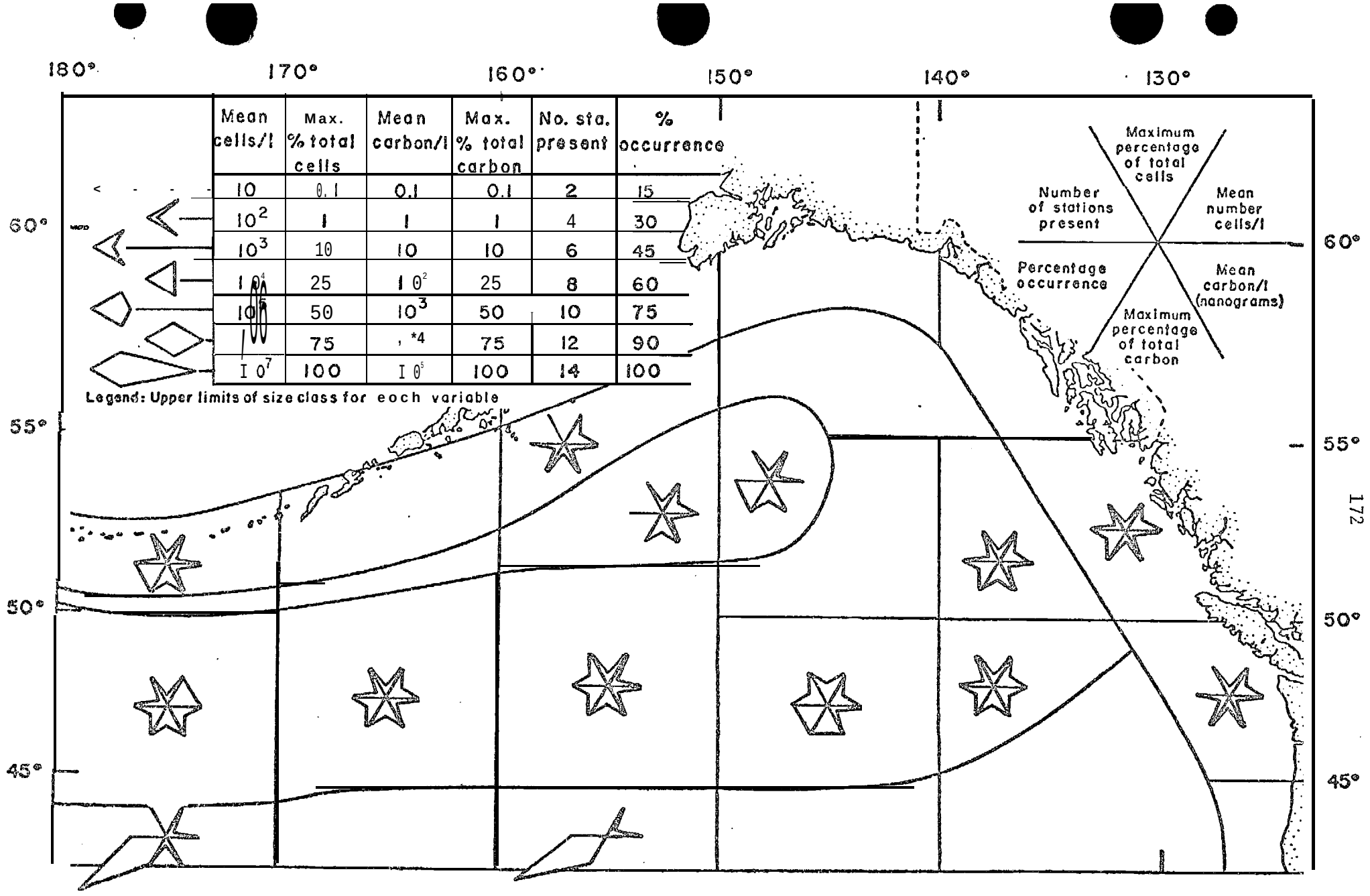


Figure 93. The distribution of *Dactyliosolen mediterraneus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

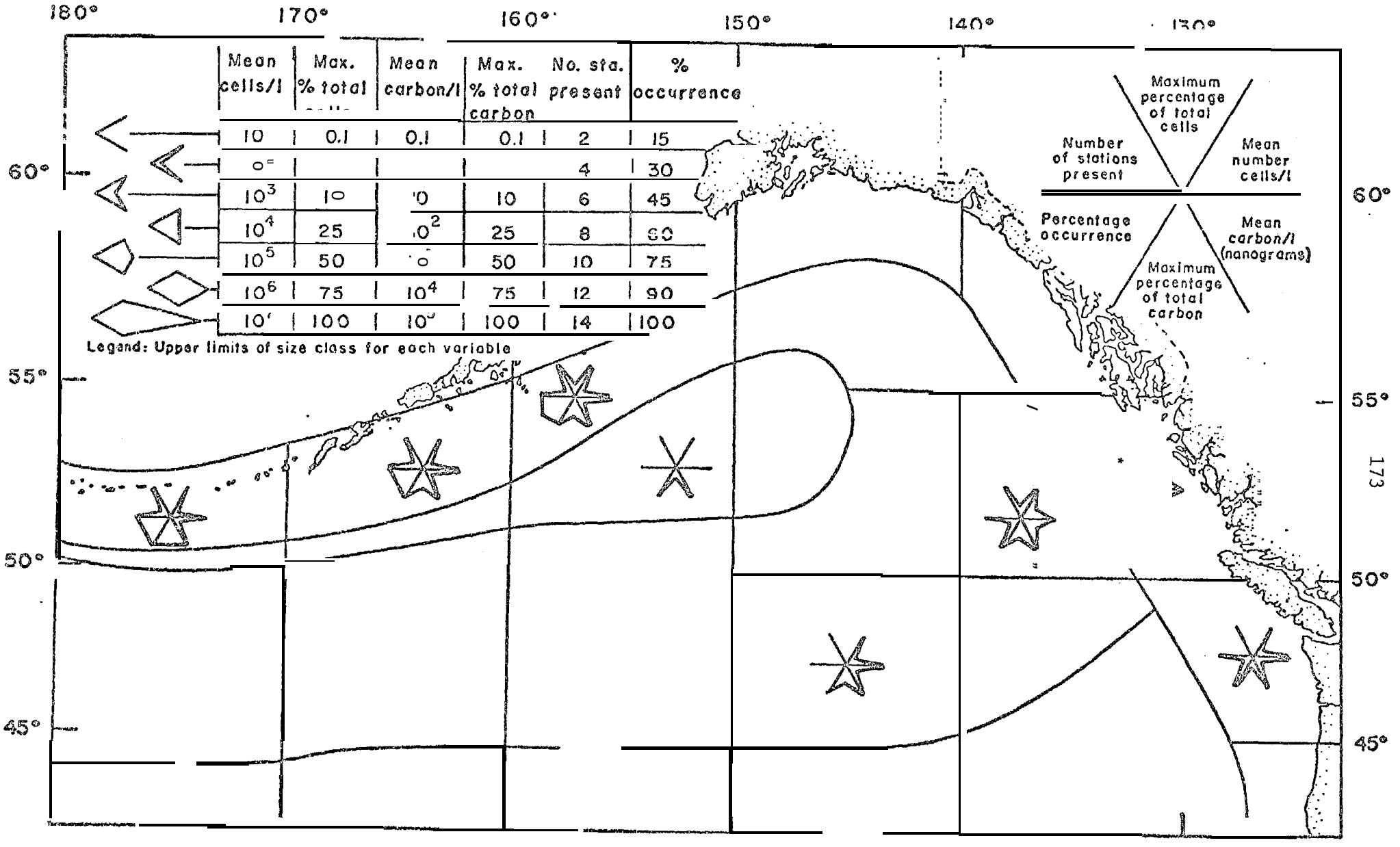


Figure 94. The distribution of *Ditylum brightwellii* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

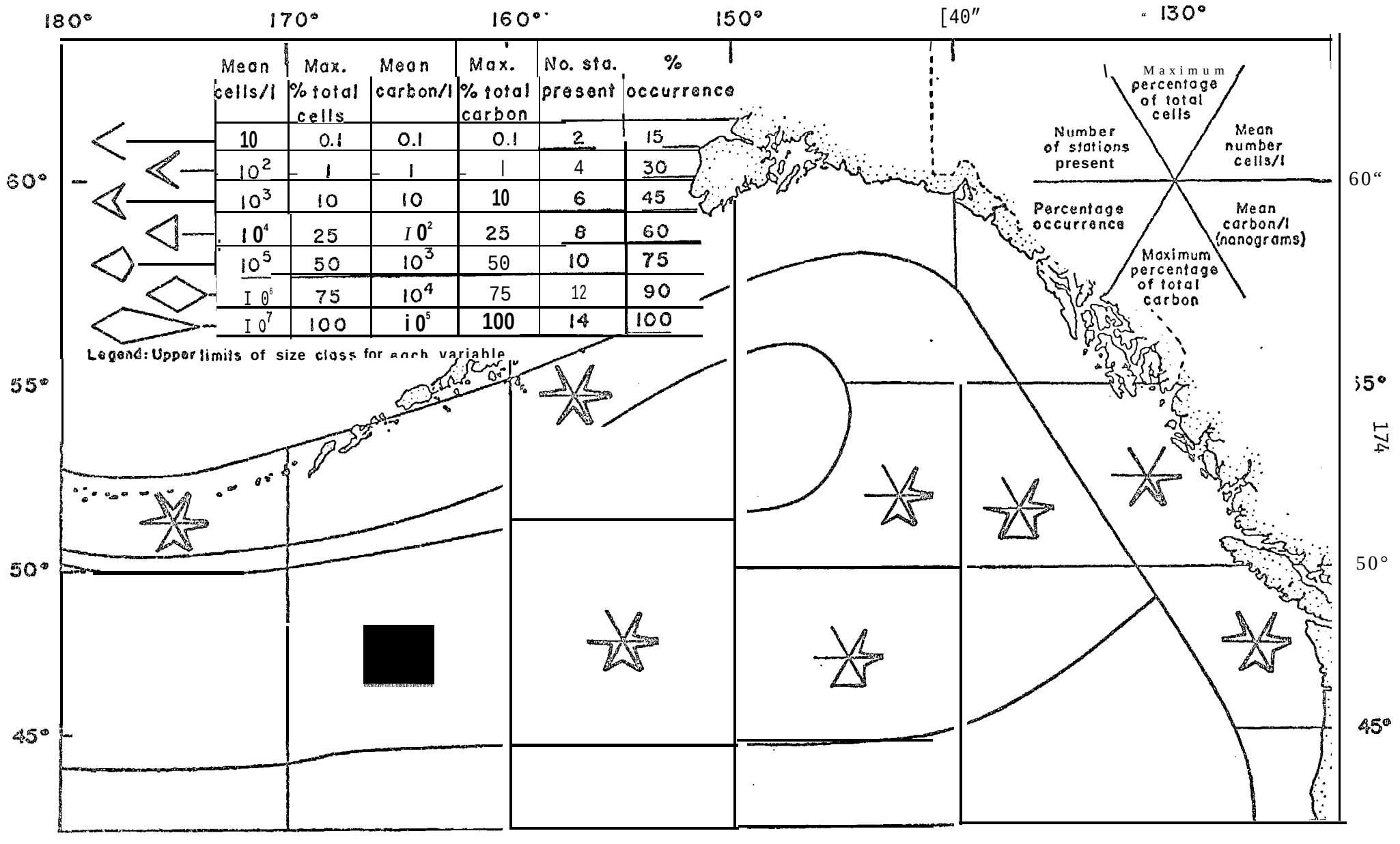


Figure 95. The distribution of *Lauderia borealis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

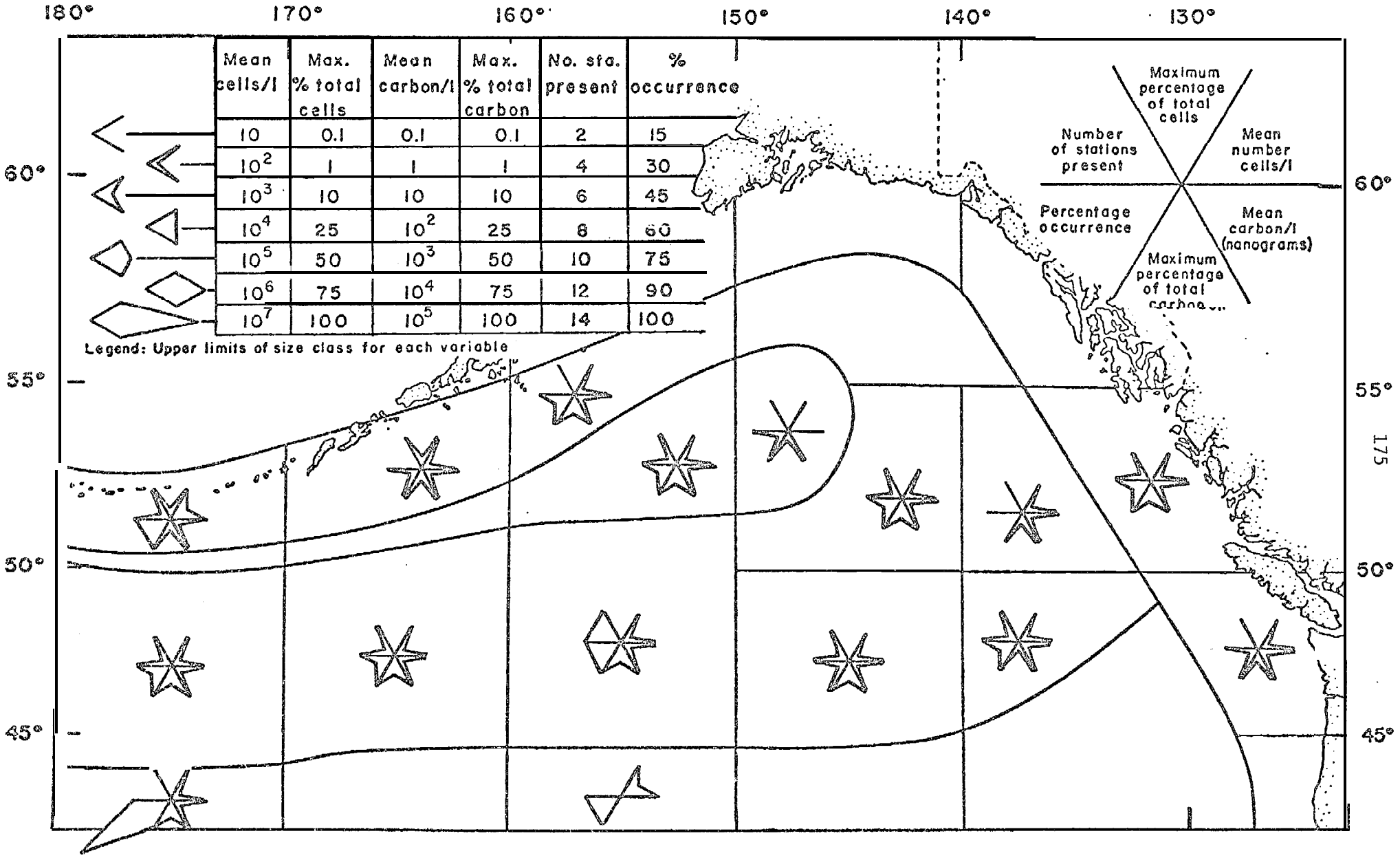


Figure 96. The distribution of *Rhizosolenia alata* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

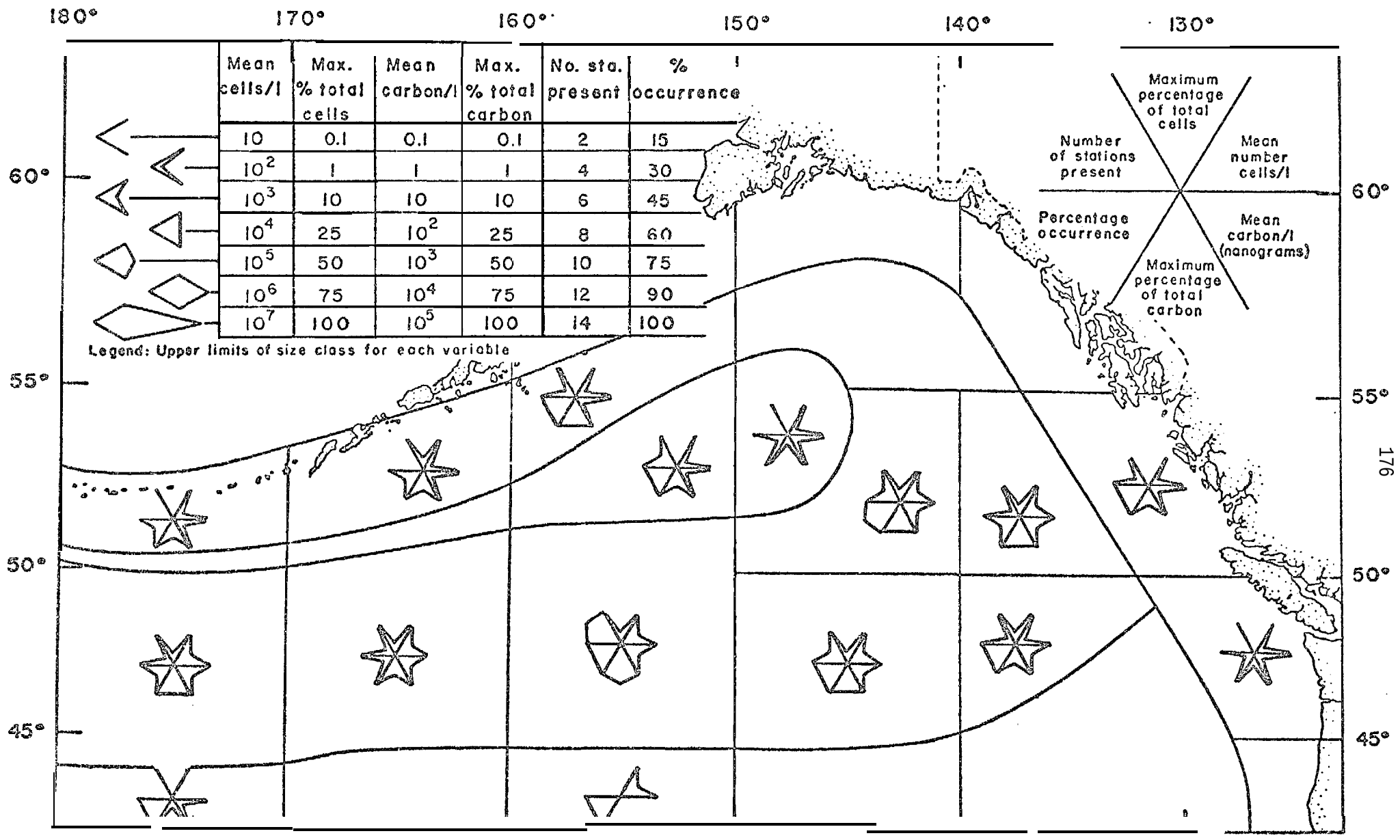


Figure 97. The distribution of *Rhizosolenia alata f. curvirostris* in the upper 1° meters of the water column from January to July 1966 and 1969 to 1972.

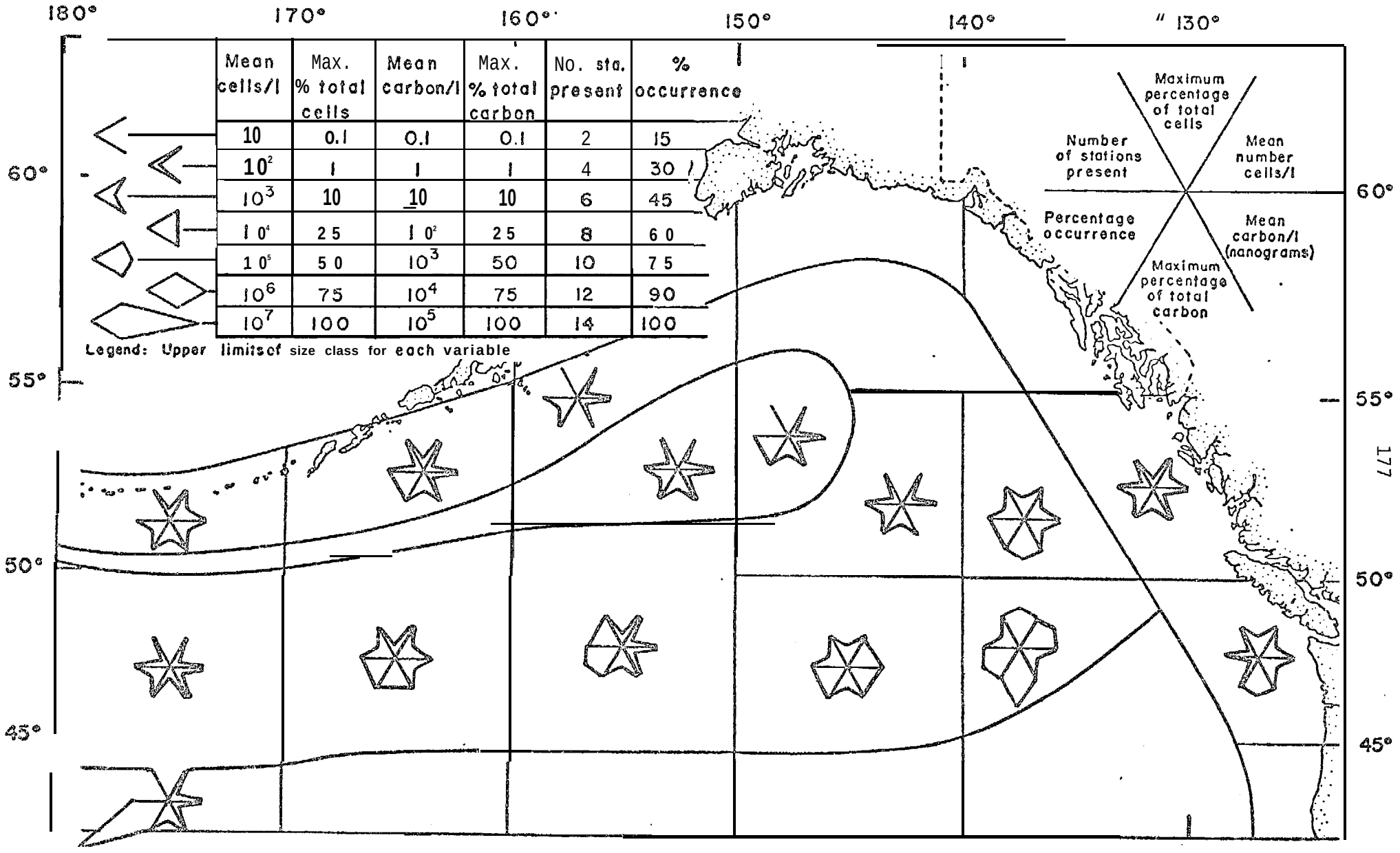


Figure 98. The distribution of *Rhizosolenia alata f. inermis* in the upper 10 meters of the water column from January to July 1966 and. 1969 to 1972.

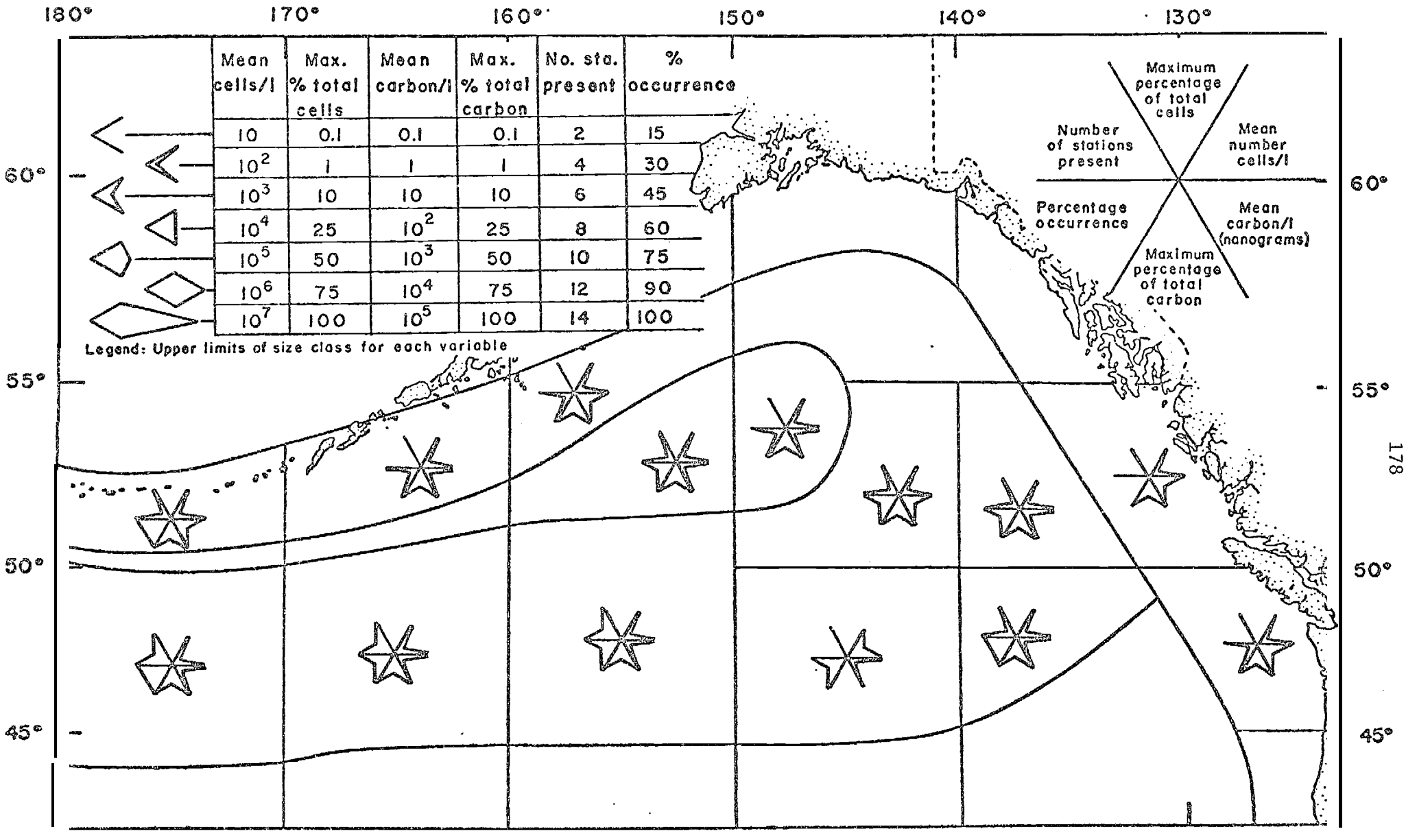


Figure 99. The distribution of *Rhizosolenia hebetata* **f.** *hiemalis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

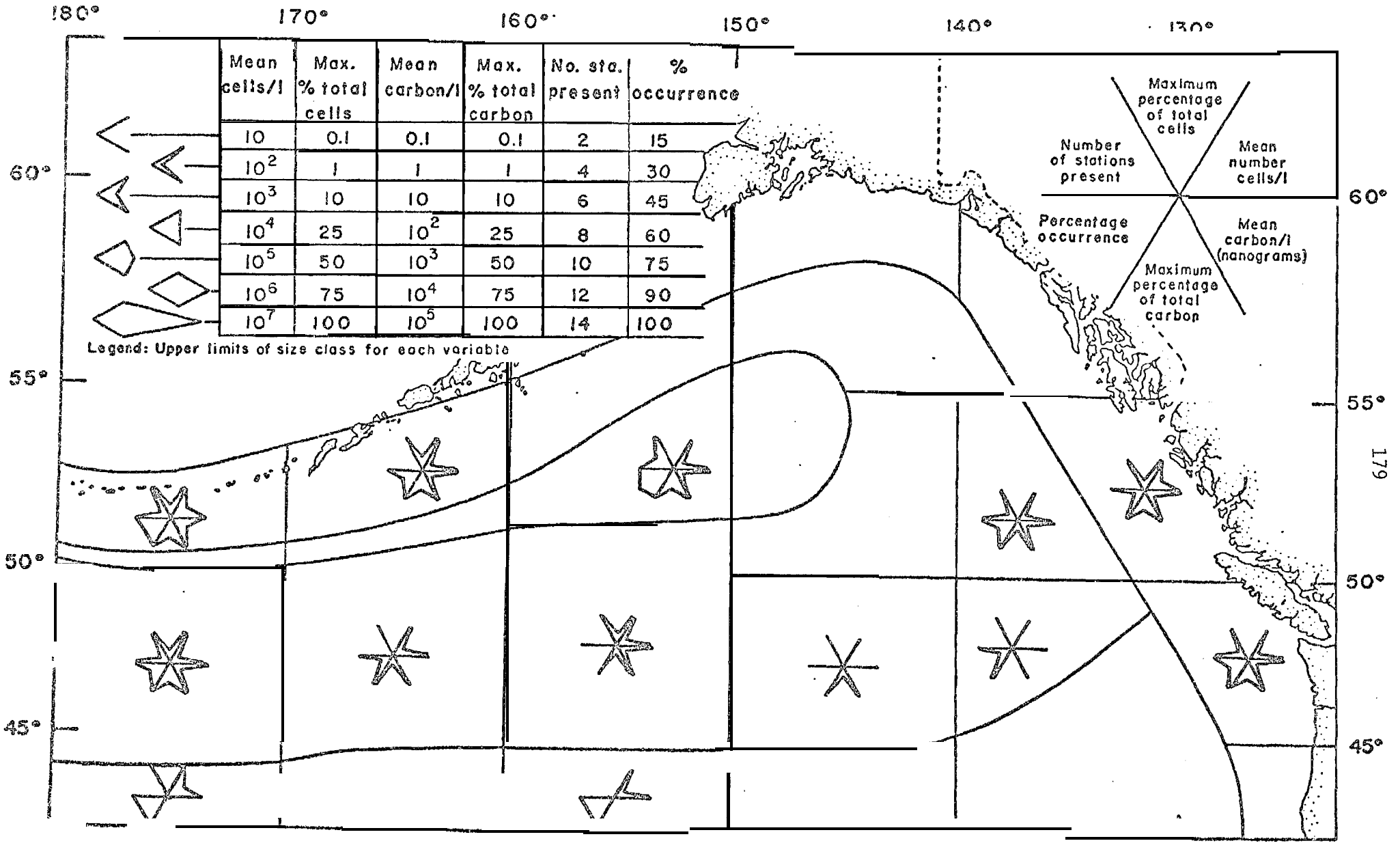


Figure 100. The distribution of *Rhizosolenia hebetata f. semispina* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

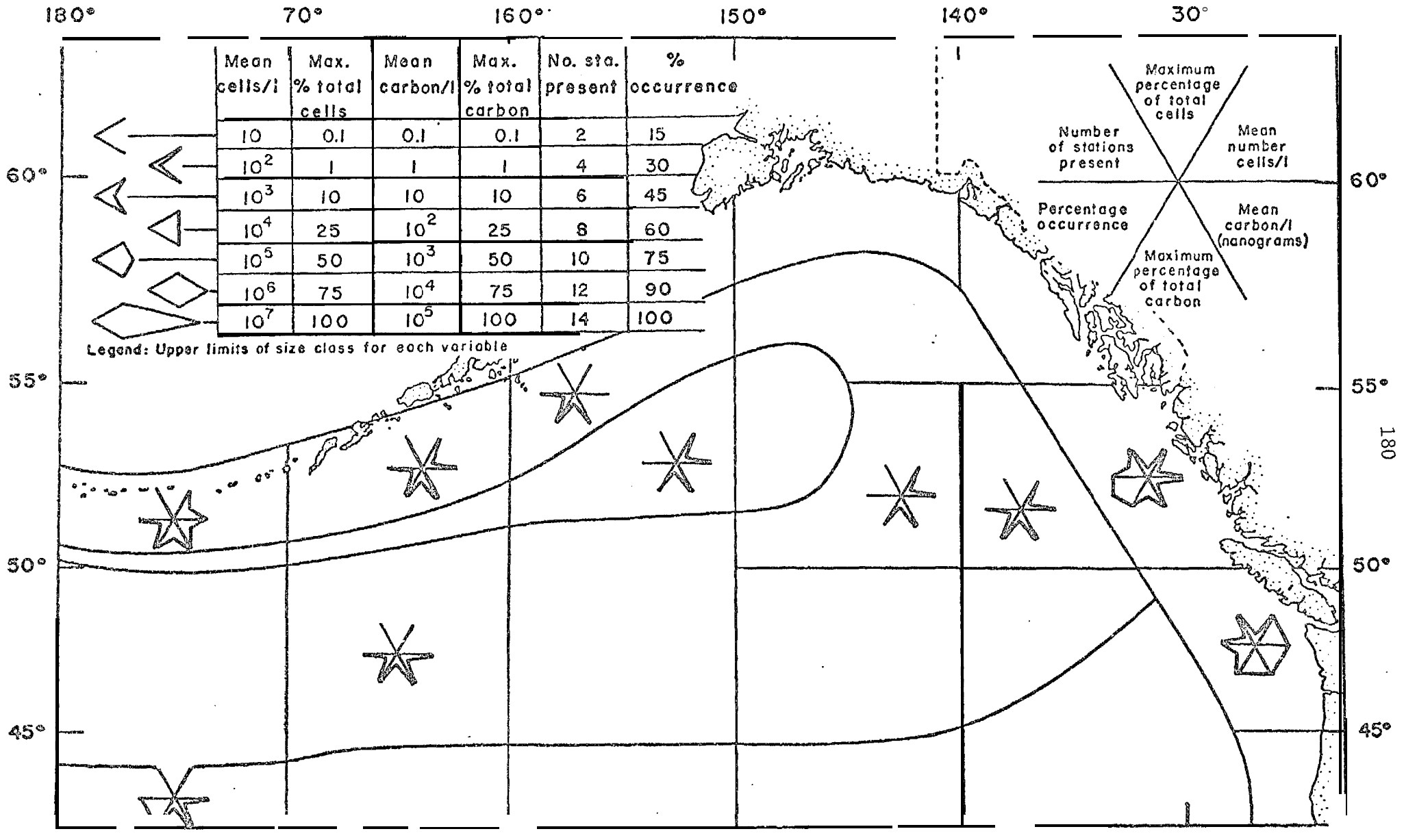


Figure 101. The distribution of *Rhizosolenia stolterfothii* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

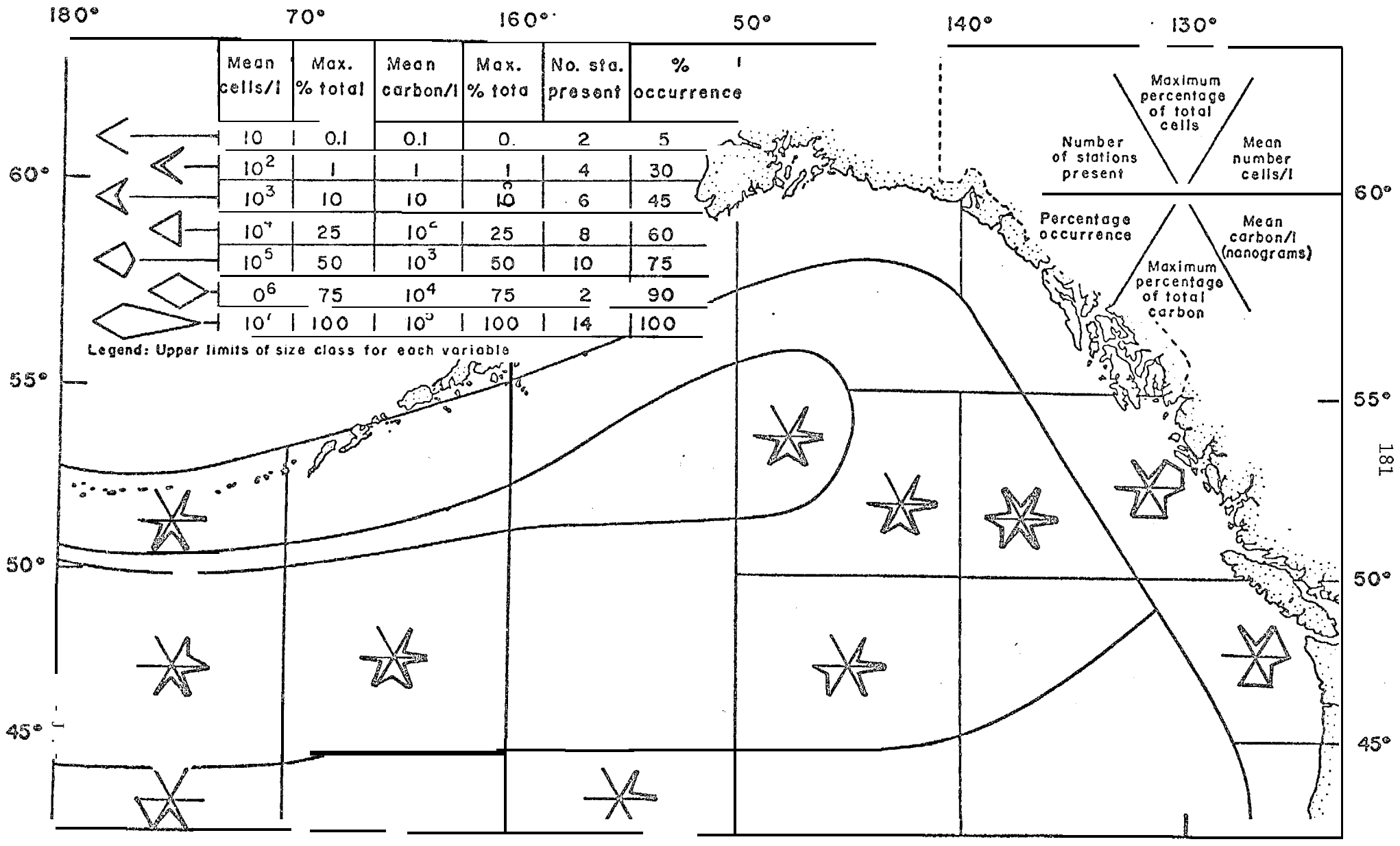


Figure 1-2. The distribution of *Rhizosolenia styliformis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

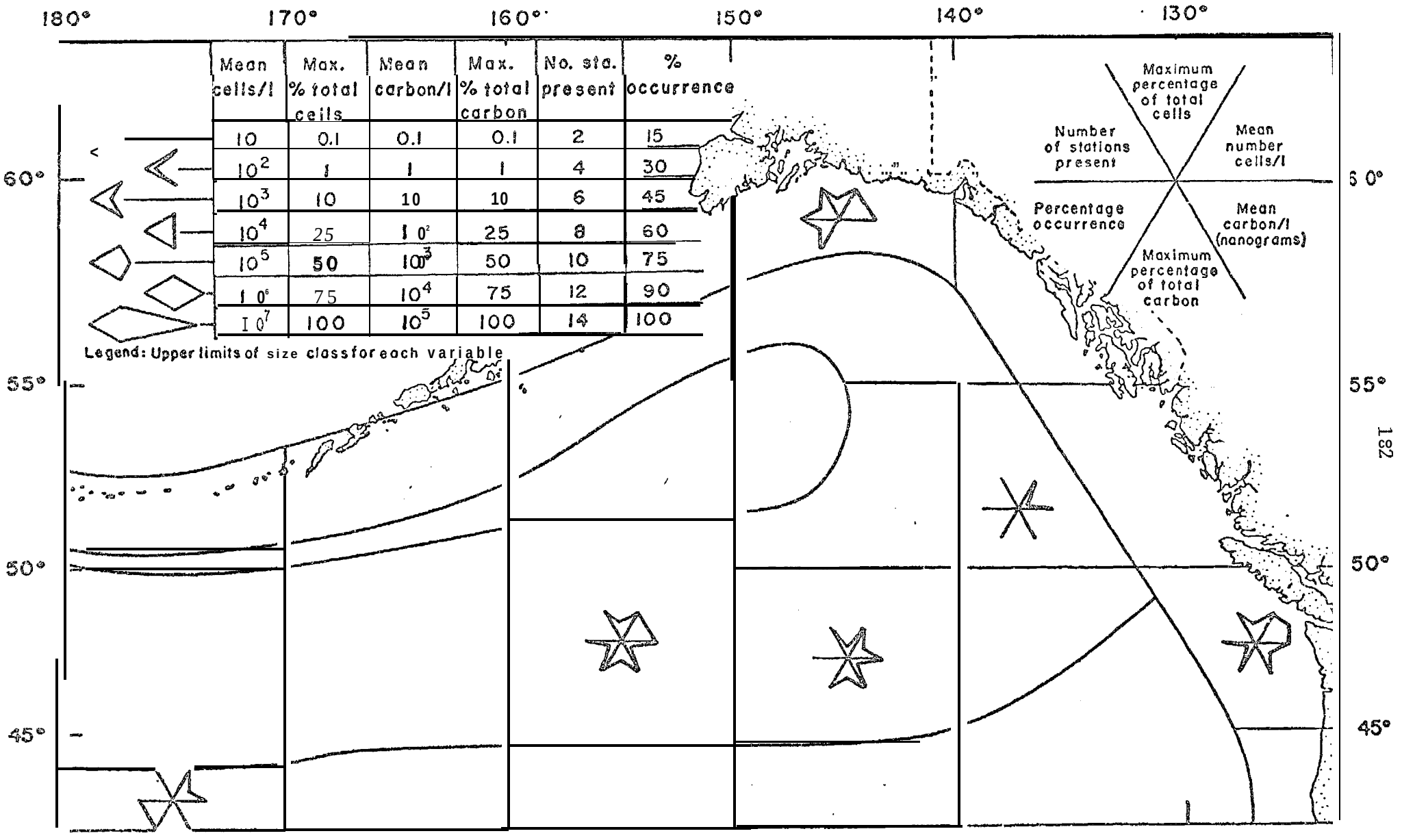


Figure 103 . The distribution of *Skeletonema costatum* in the upper 10 meters of the water column from January to July *1966* and *1969* to *1972*.

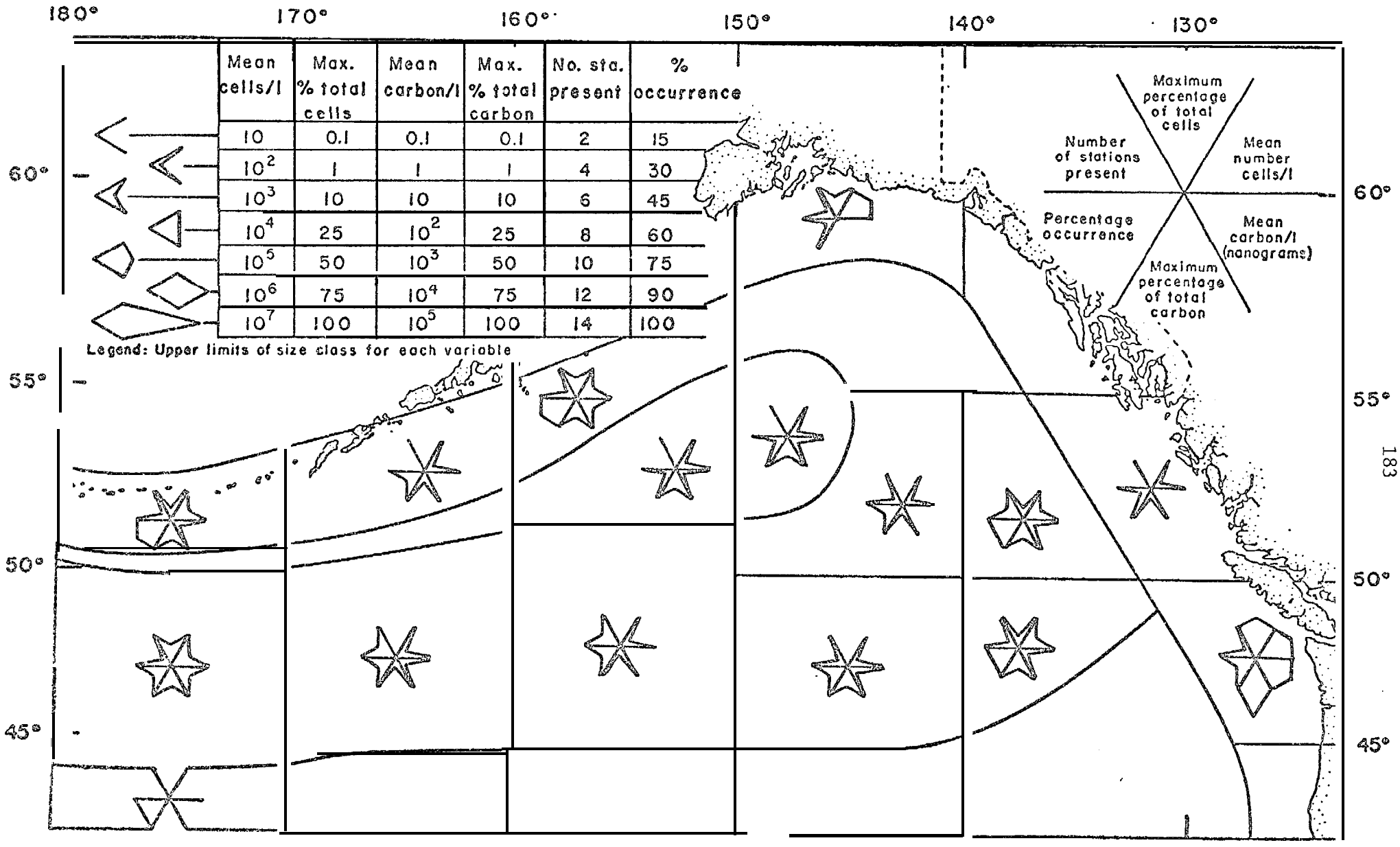


Figure 104. The distribution of *Thalassiosira decipiens* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

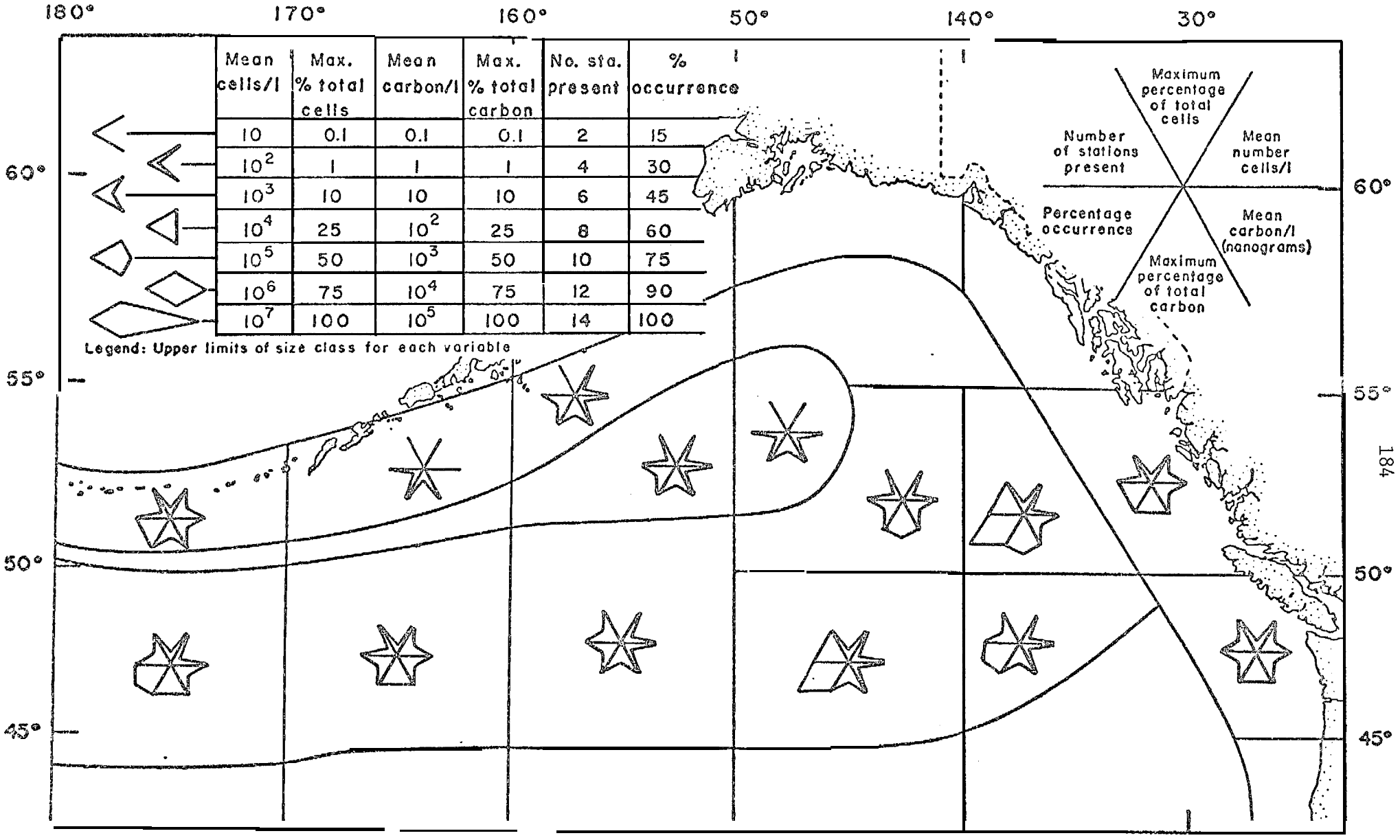


Figure 105. The distribution of *Thalassiosira eccentrica* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

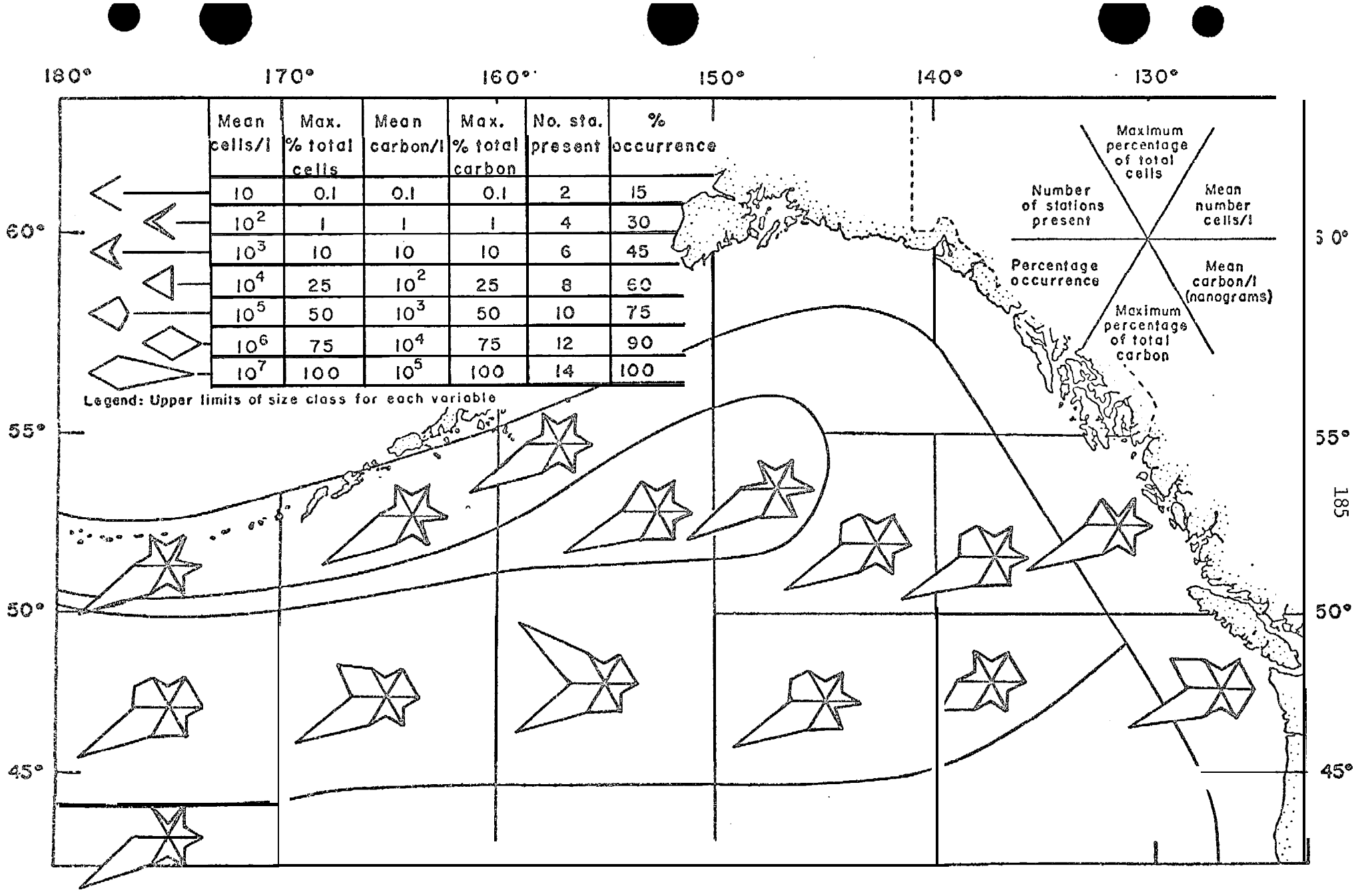


Figure 106. The distribution of *Thalassiosira lineata* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

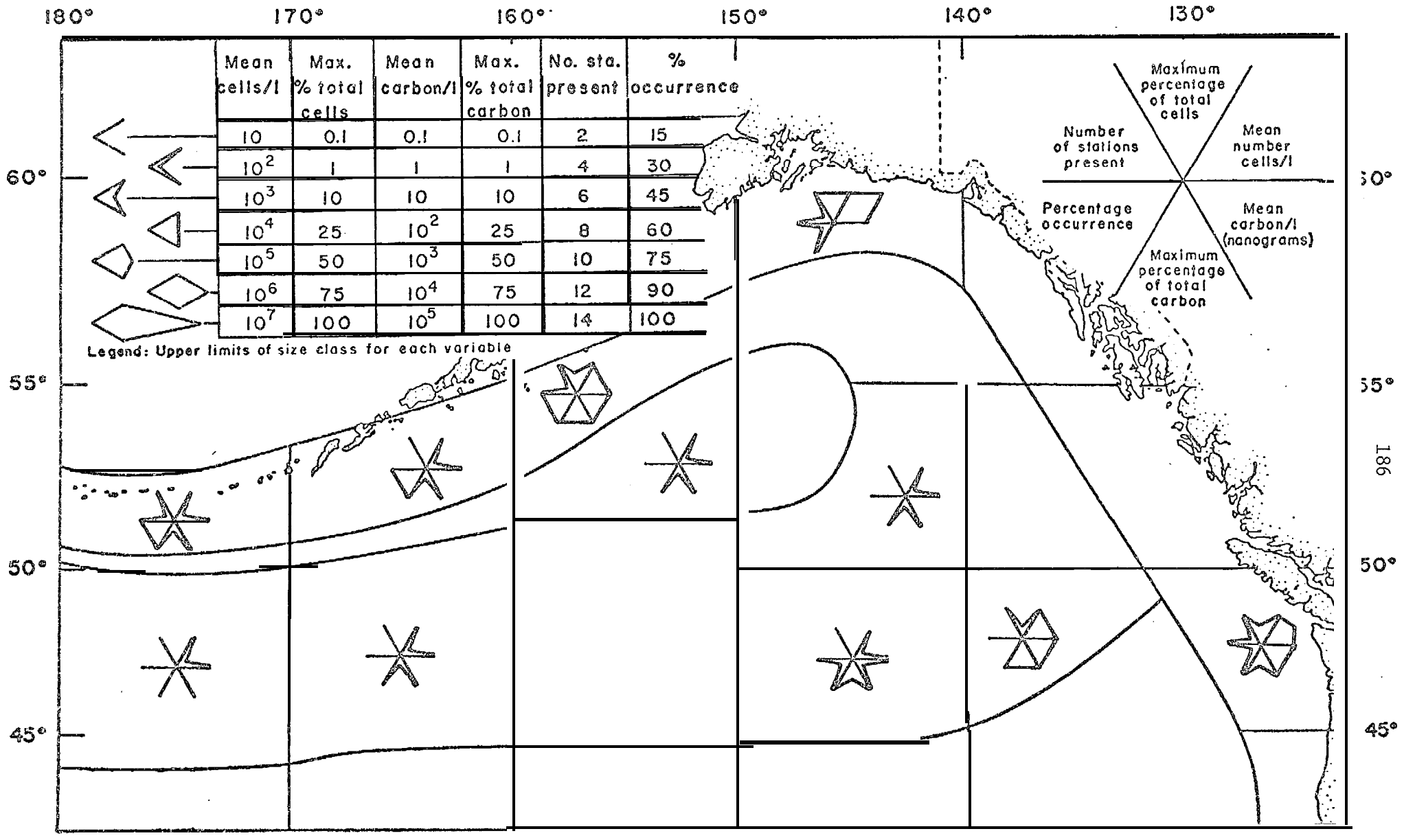


Figure 107. The distribution of *Thalassiosira nordenskioeldii* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

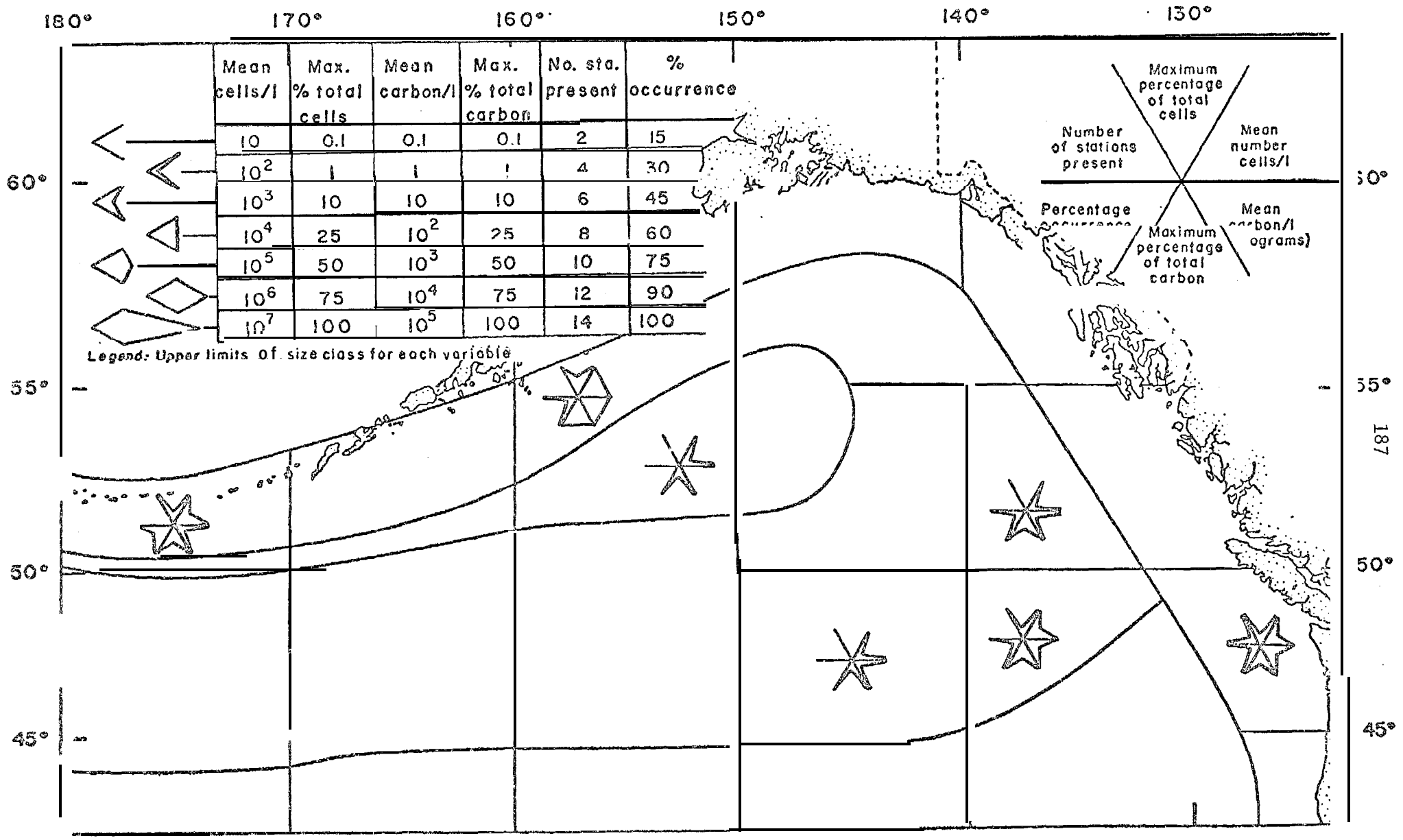


Figure 108. The distribution of *Thalassiosira rotula* in the upper 10 meters of the water column from January to July *1966* and 1969 to 1972.

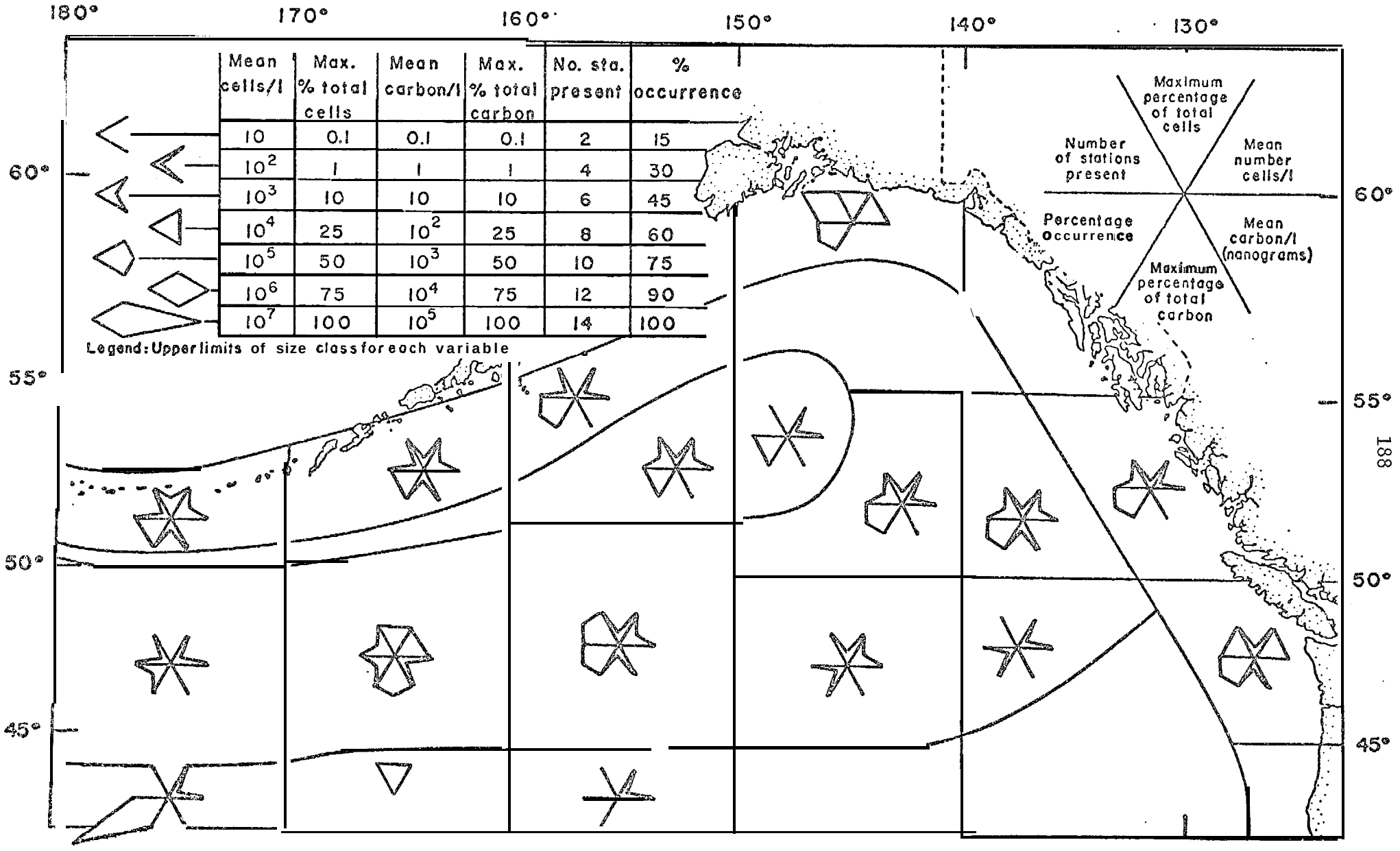


Figure 109. The distribution of *Cylindrotheca closterium* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

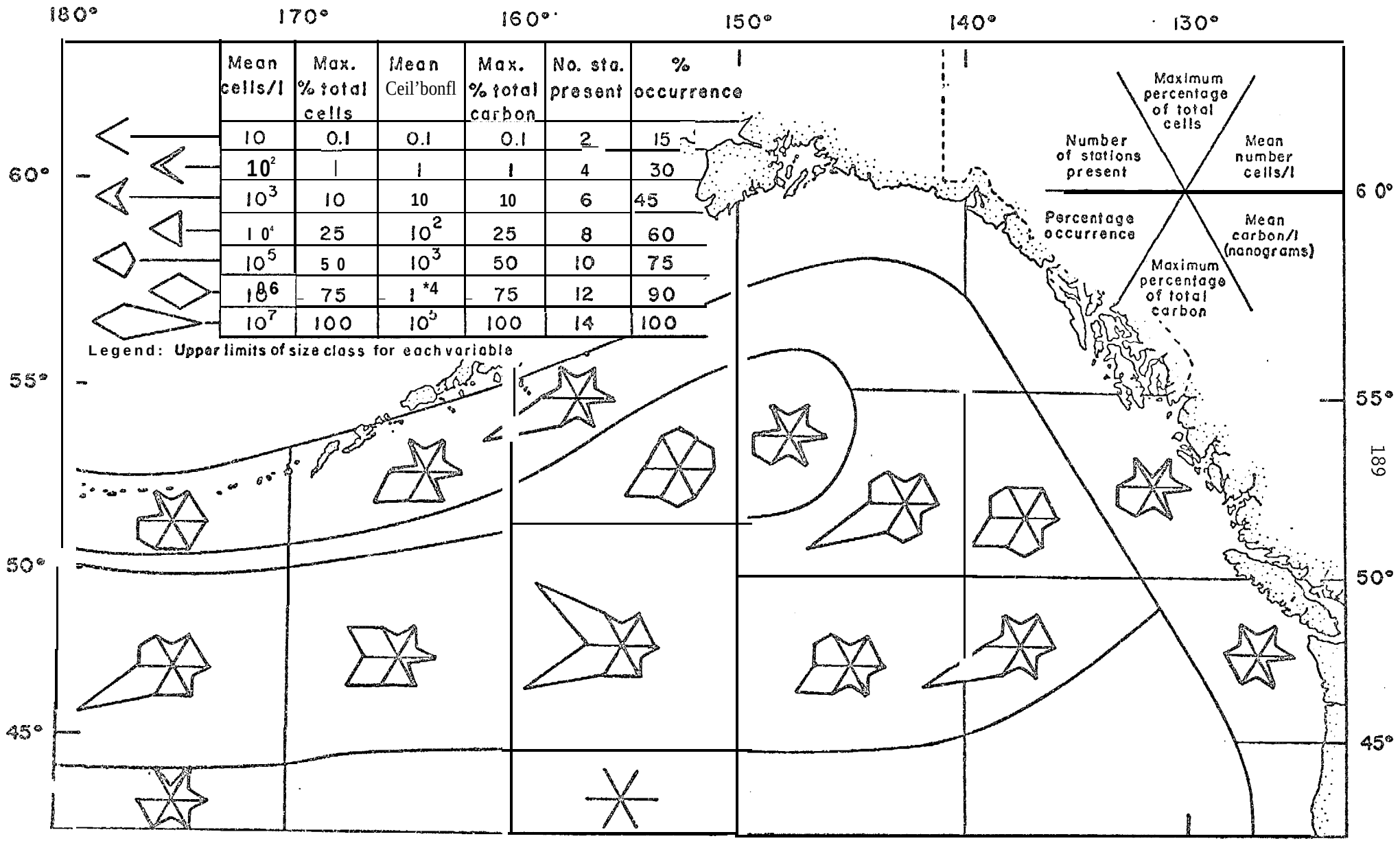


Figure 110. The distribution of *Denticula seminae* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

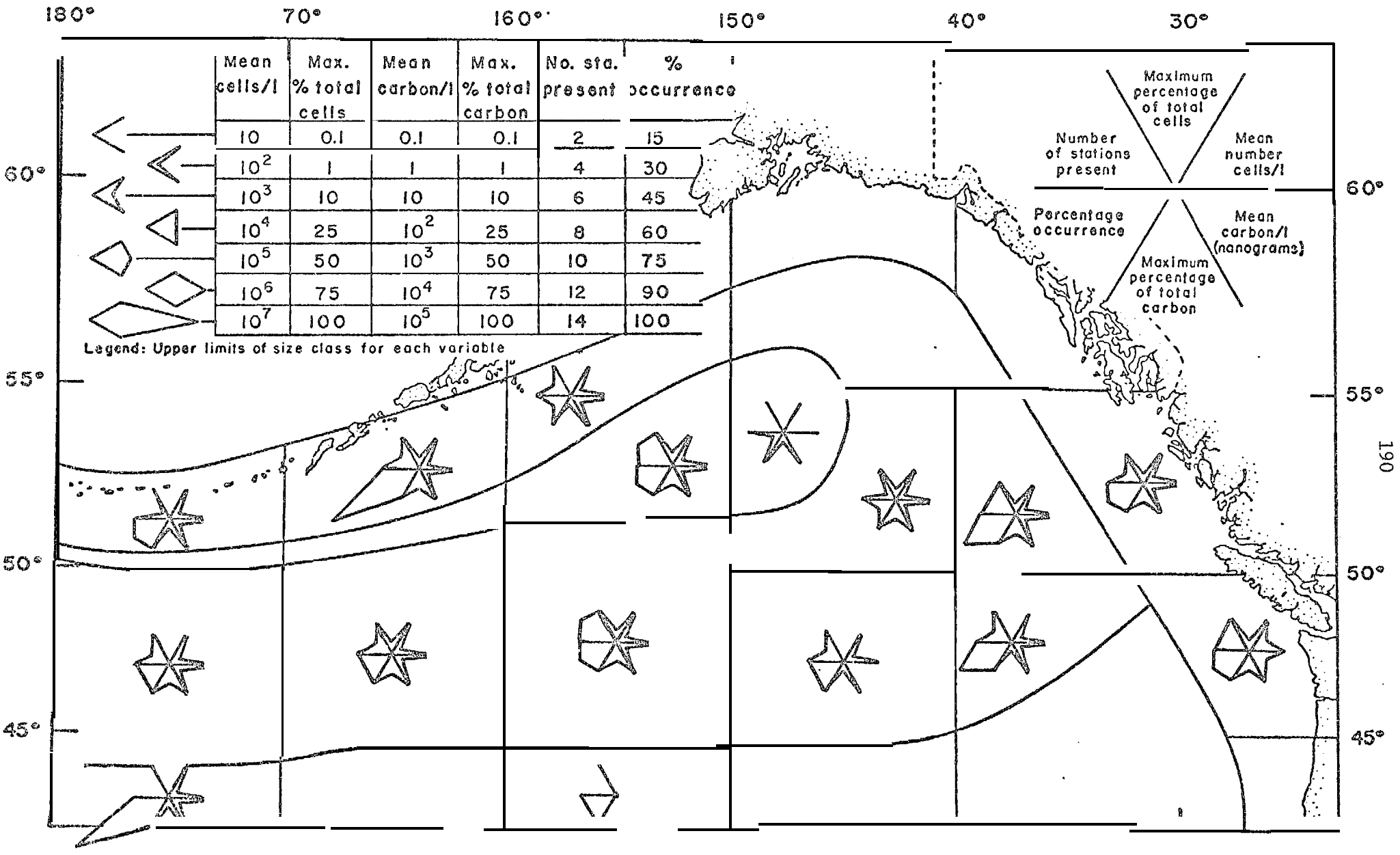


Figure 111. The distribution of *Navicula* spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

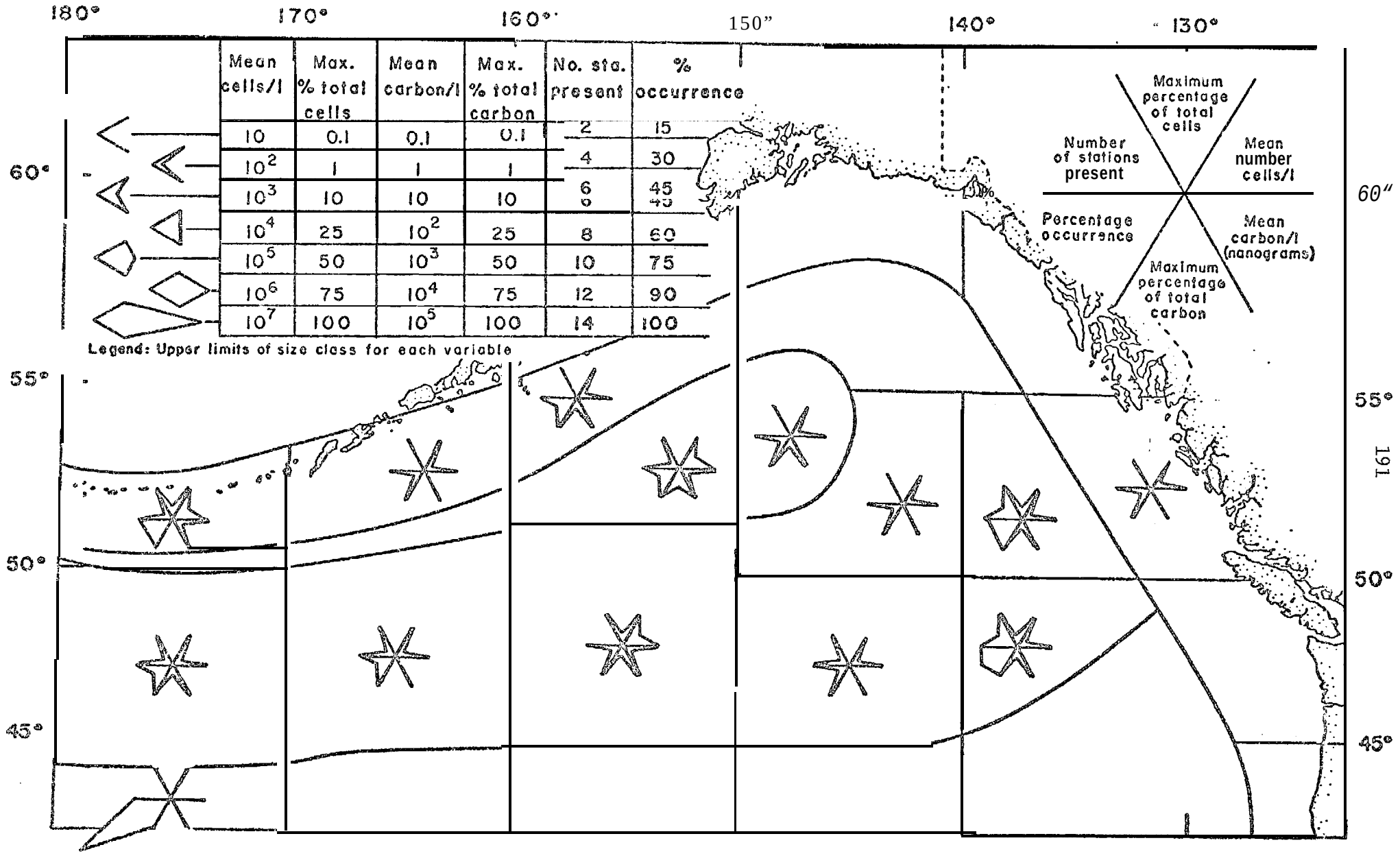


Figure 112. The distribution of *Nitzschia longissima* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

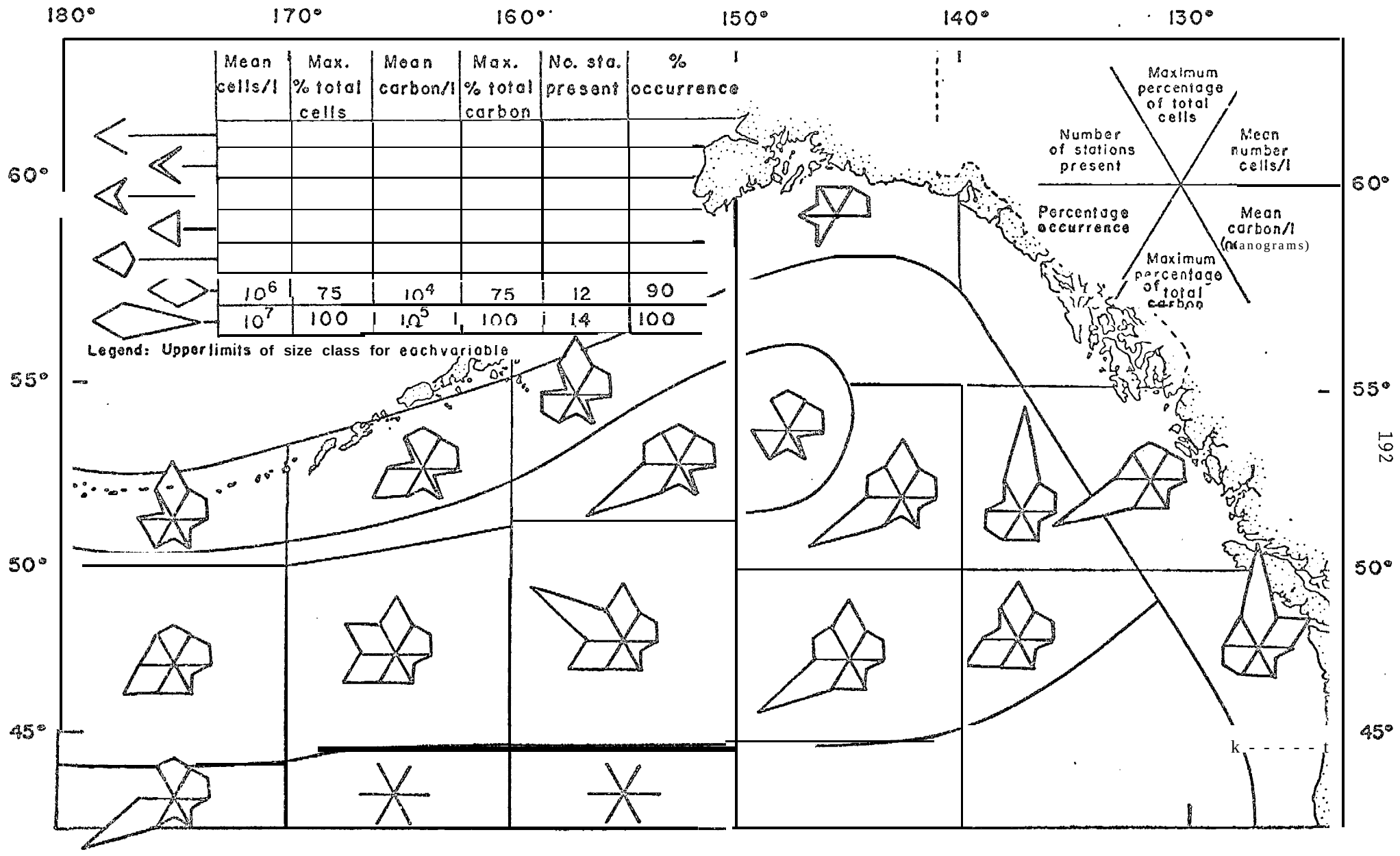


Figure 113. The distribution of *Nitzschia pesudonana* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

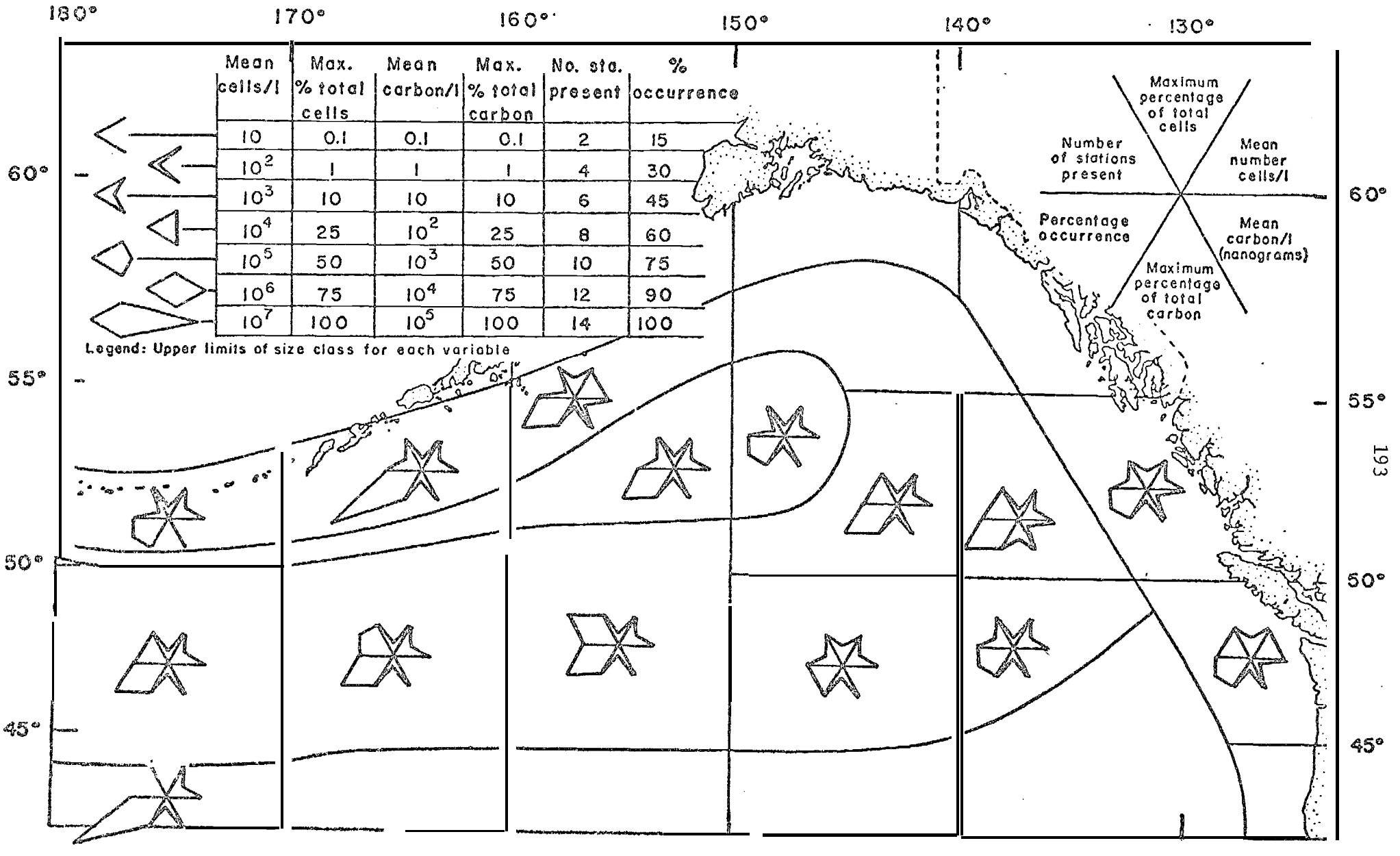
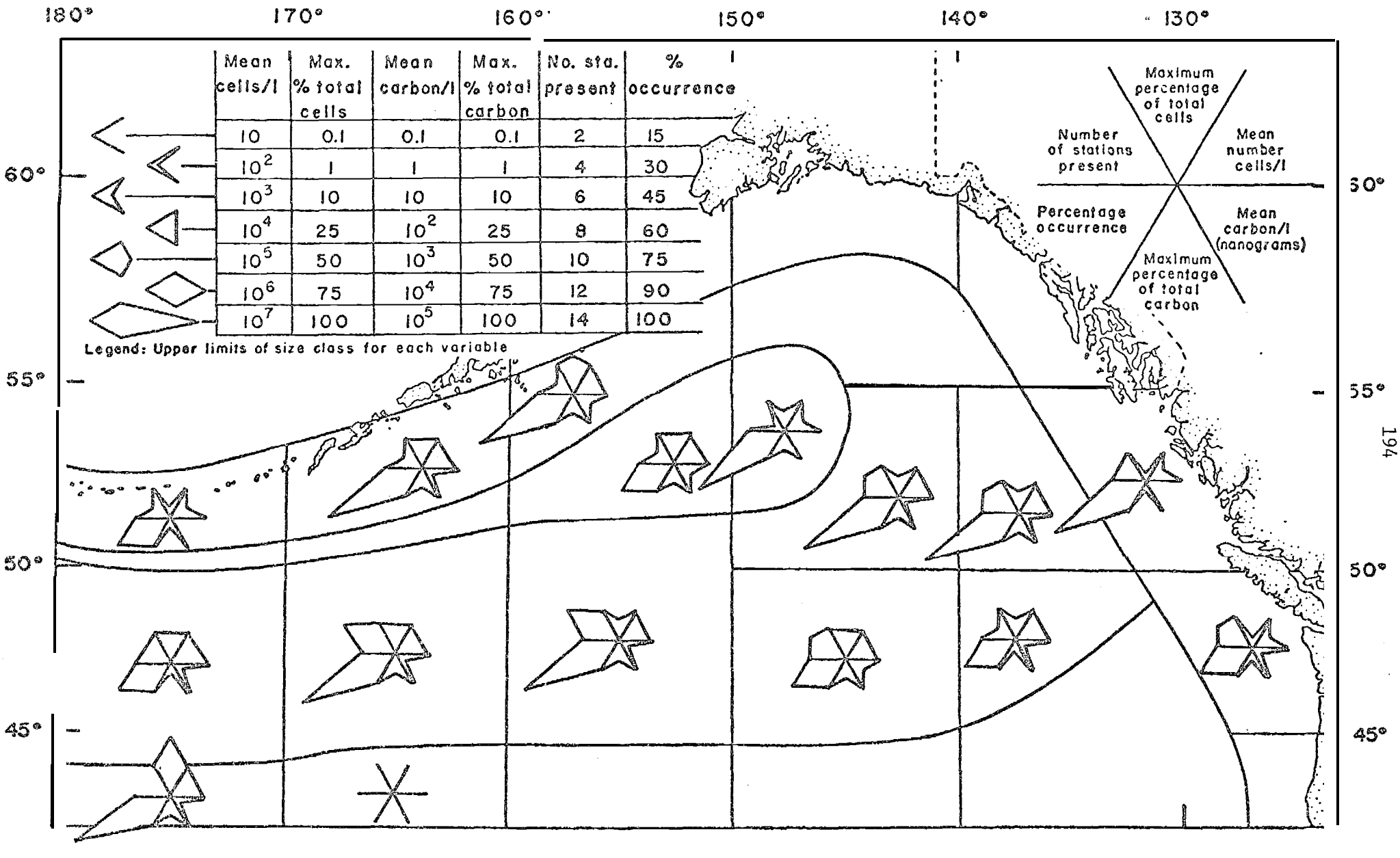


Figure 114. The distribution of *Nitzschia* sp. (*Fragilariopsis* group) in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.



-Figure 115. The distribution of *Nitzschia* sp. (*Pesudonitzschia* group) in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

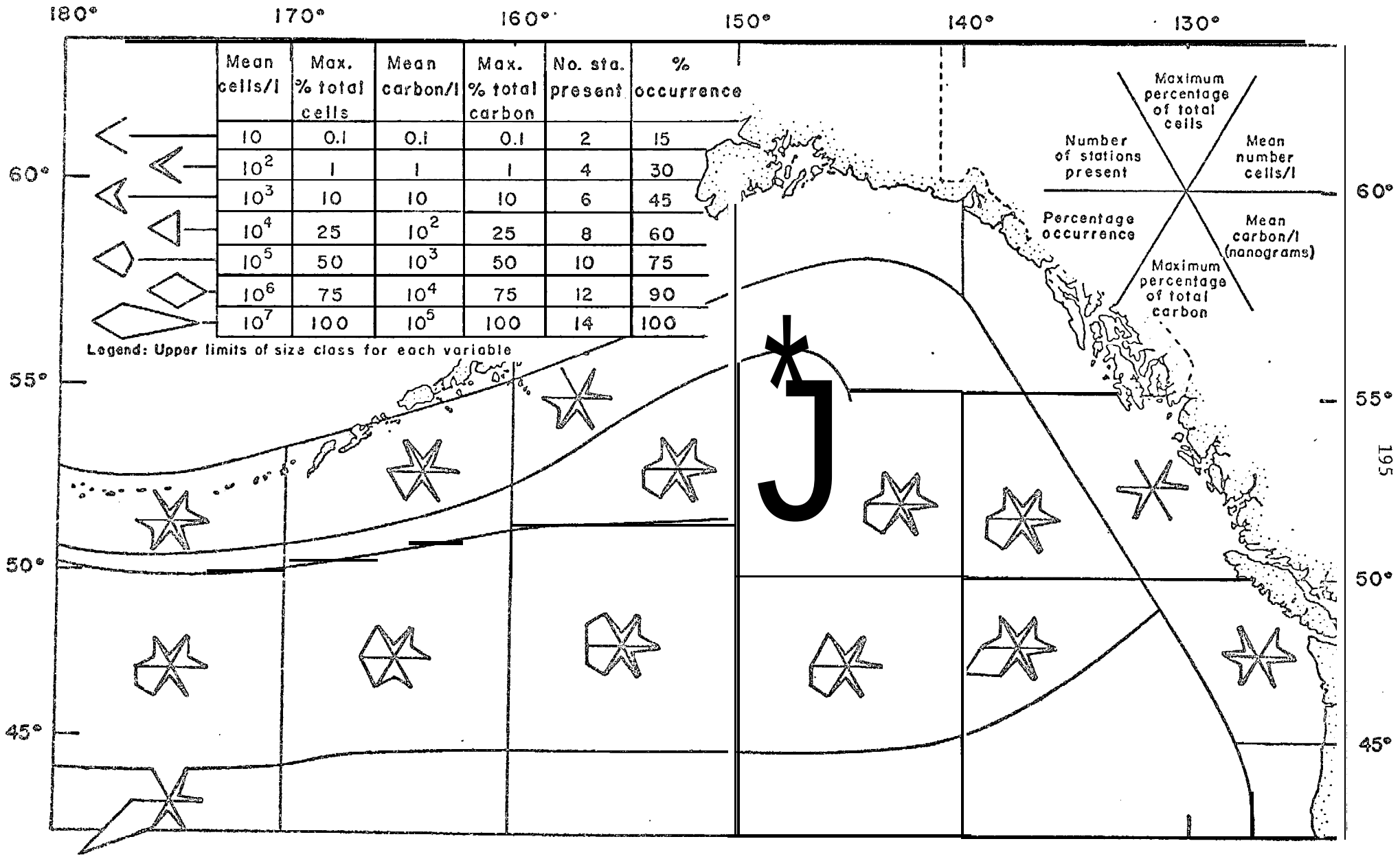


Figure 116. The distribution of *Rhabdonema arcuatum* in the upper 10 meters of the water column from January to July 1966 and, 1969 to 1972.

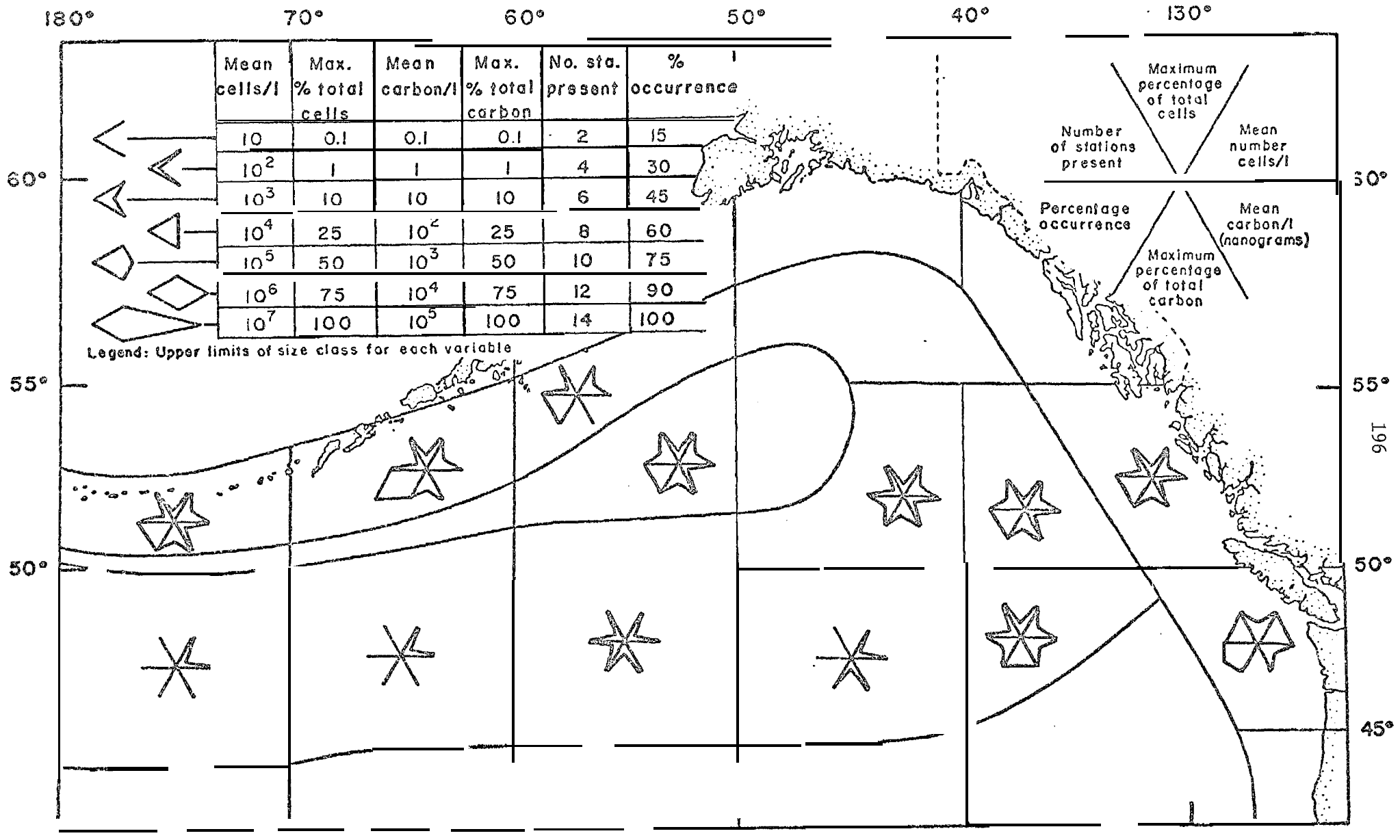


Figure 117. The distribution of *Thalassionema nitzschioides* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

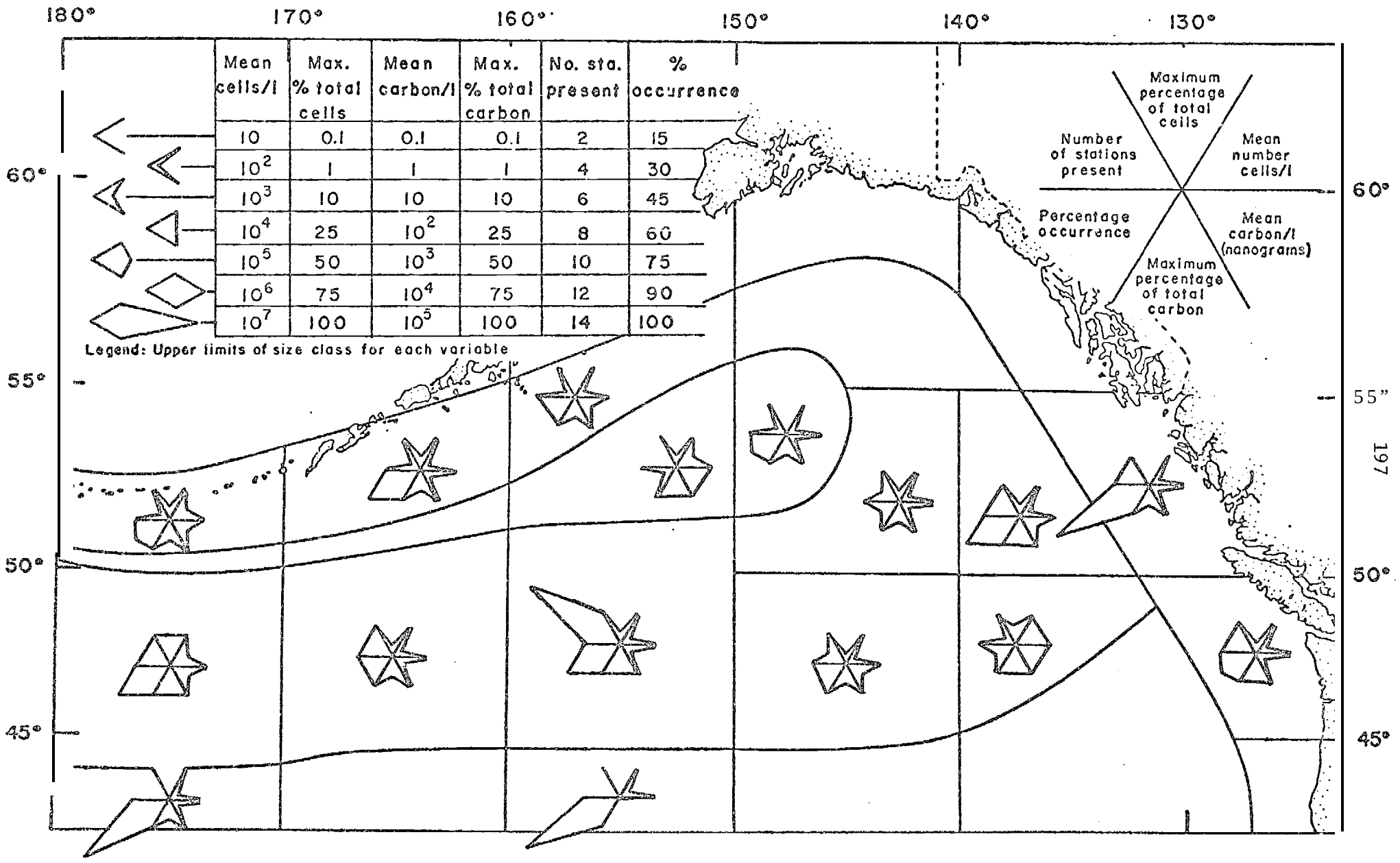


Figure 118. The distribution of *Thalassiothrix longissima* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

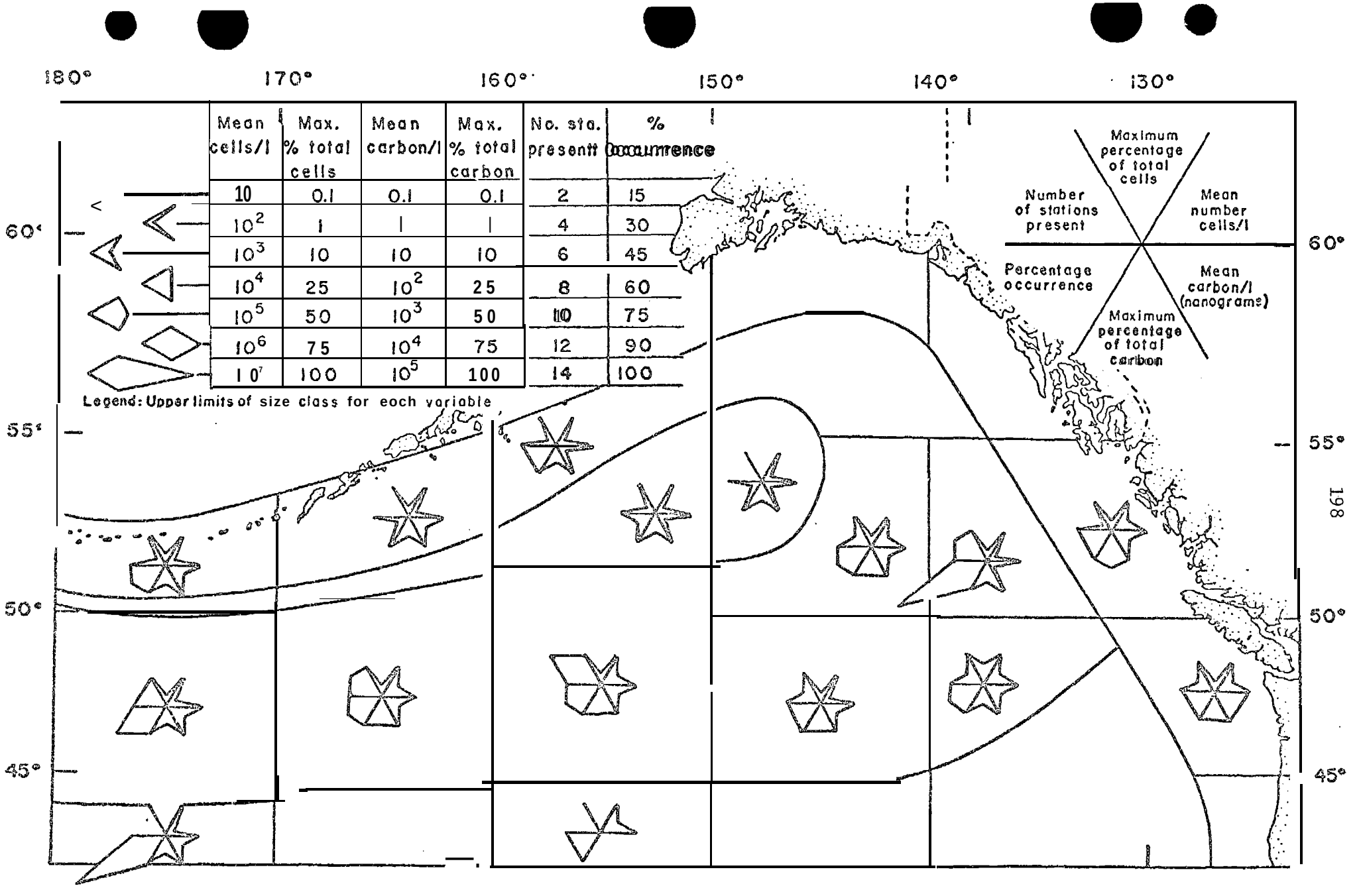


Figure 119. The distribution of *Tropidoneis antarctic polyplasta* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

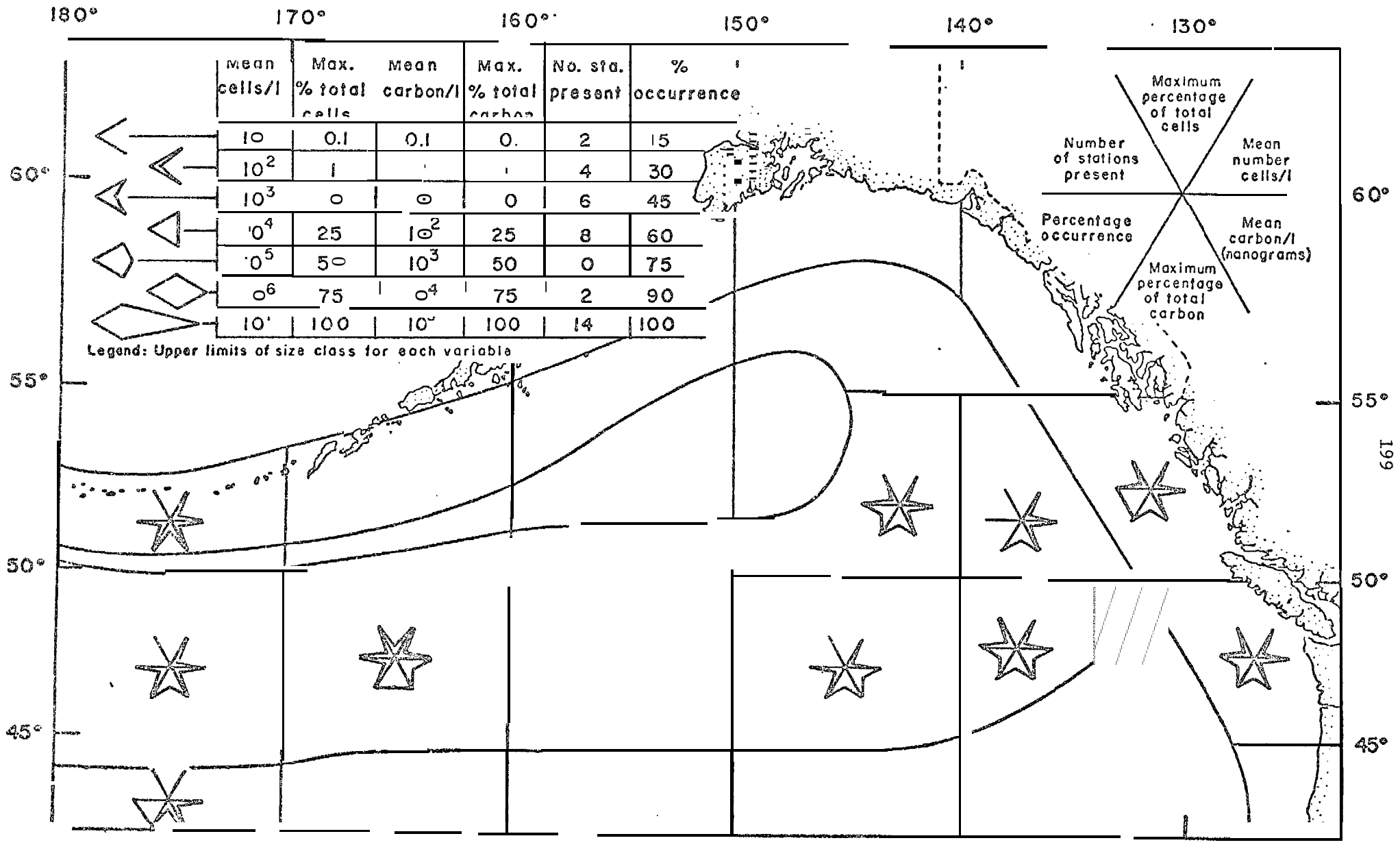


Figure 120. The distribution of *Ceratium fusus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

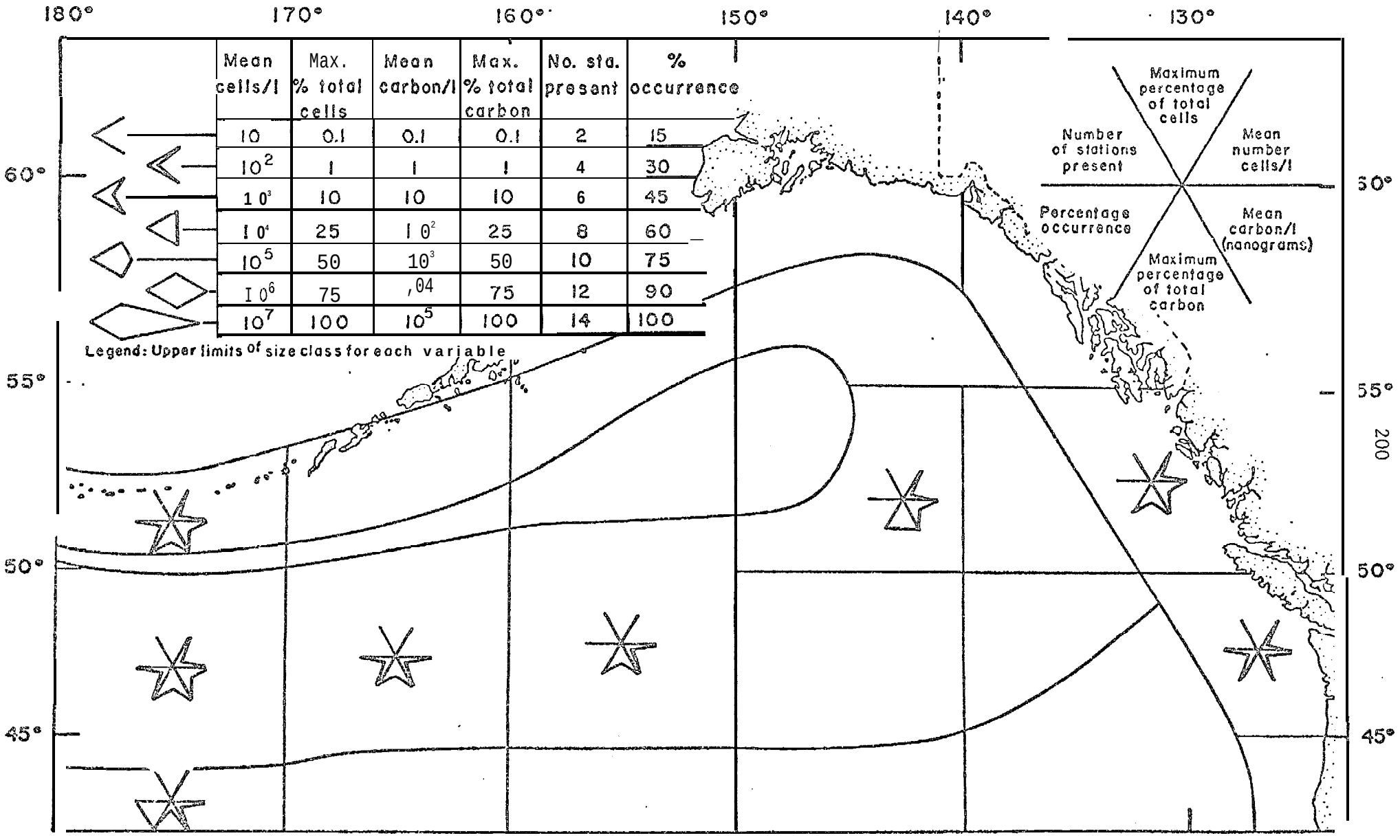


Figure 121. The distribution of *Ceratium longipes* in the upper 10 meters of the water column from January to July *1966* and 1969 to 1972.

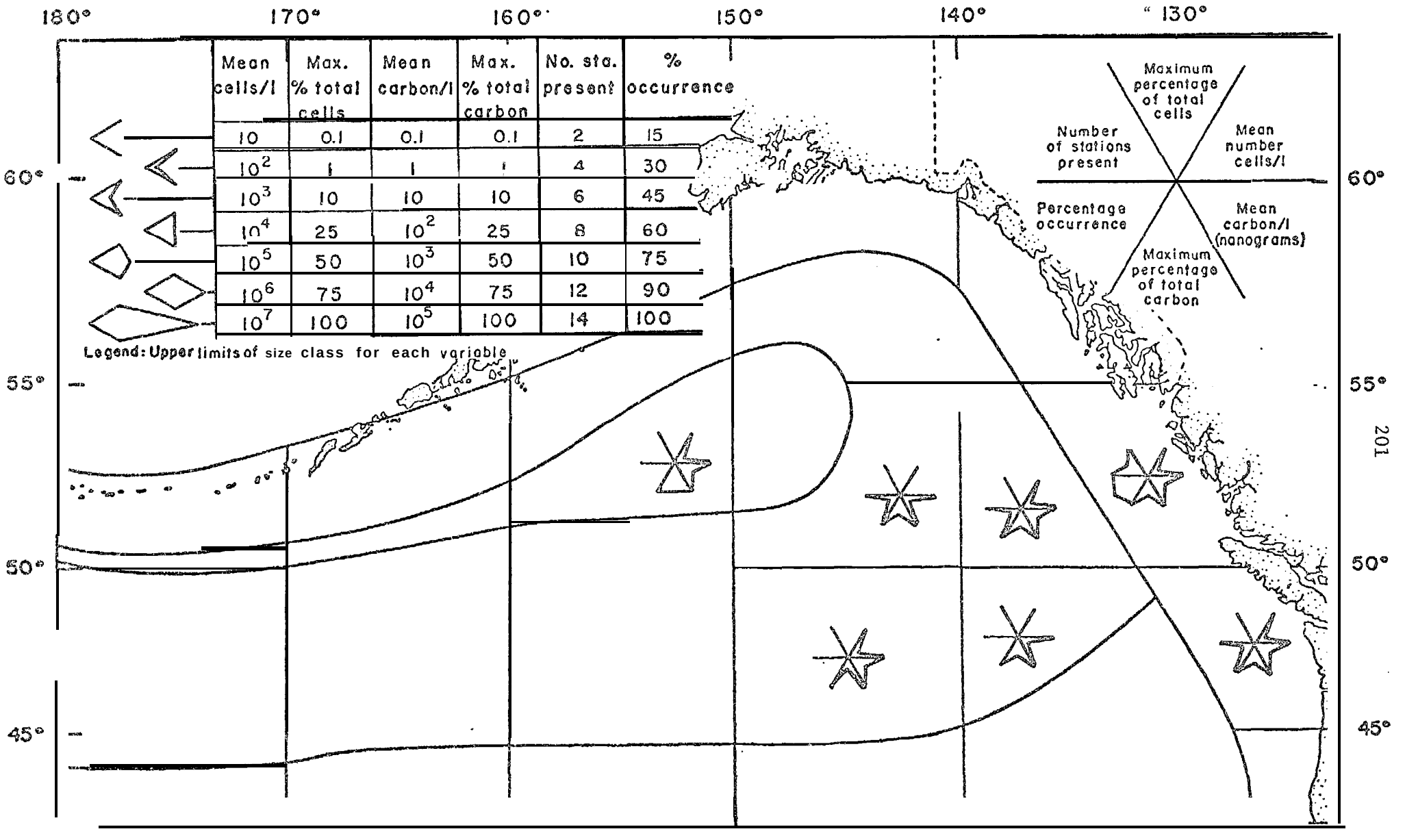


Figure 122. The distribution of *Ceratium macroceros* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

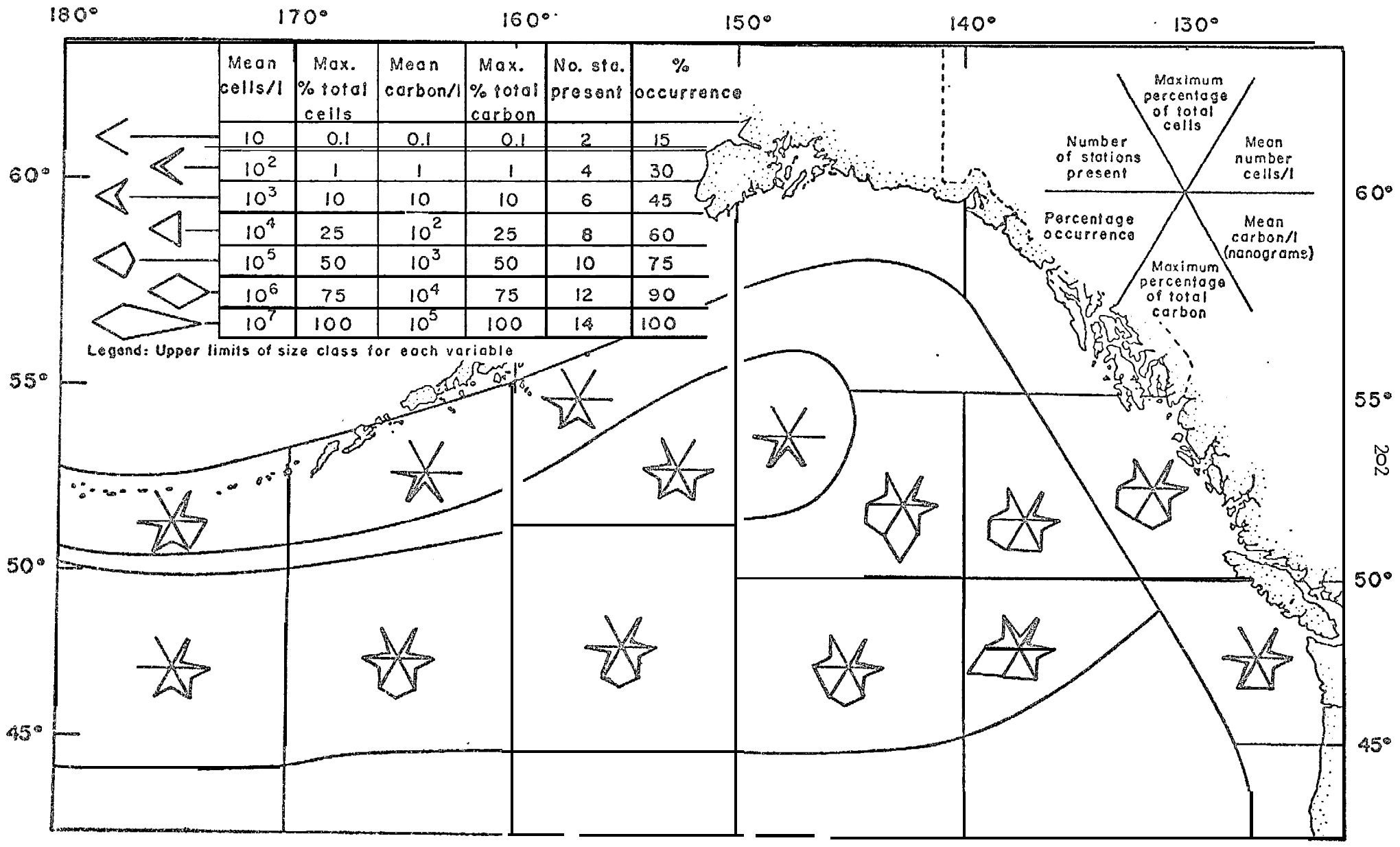


Figure 123. The distribution of *Ceratium pentagonum* in the upper 10 meters of the water column from January to July 1966 and 1969-to 1972.

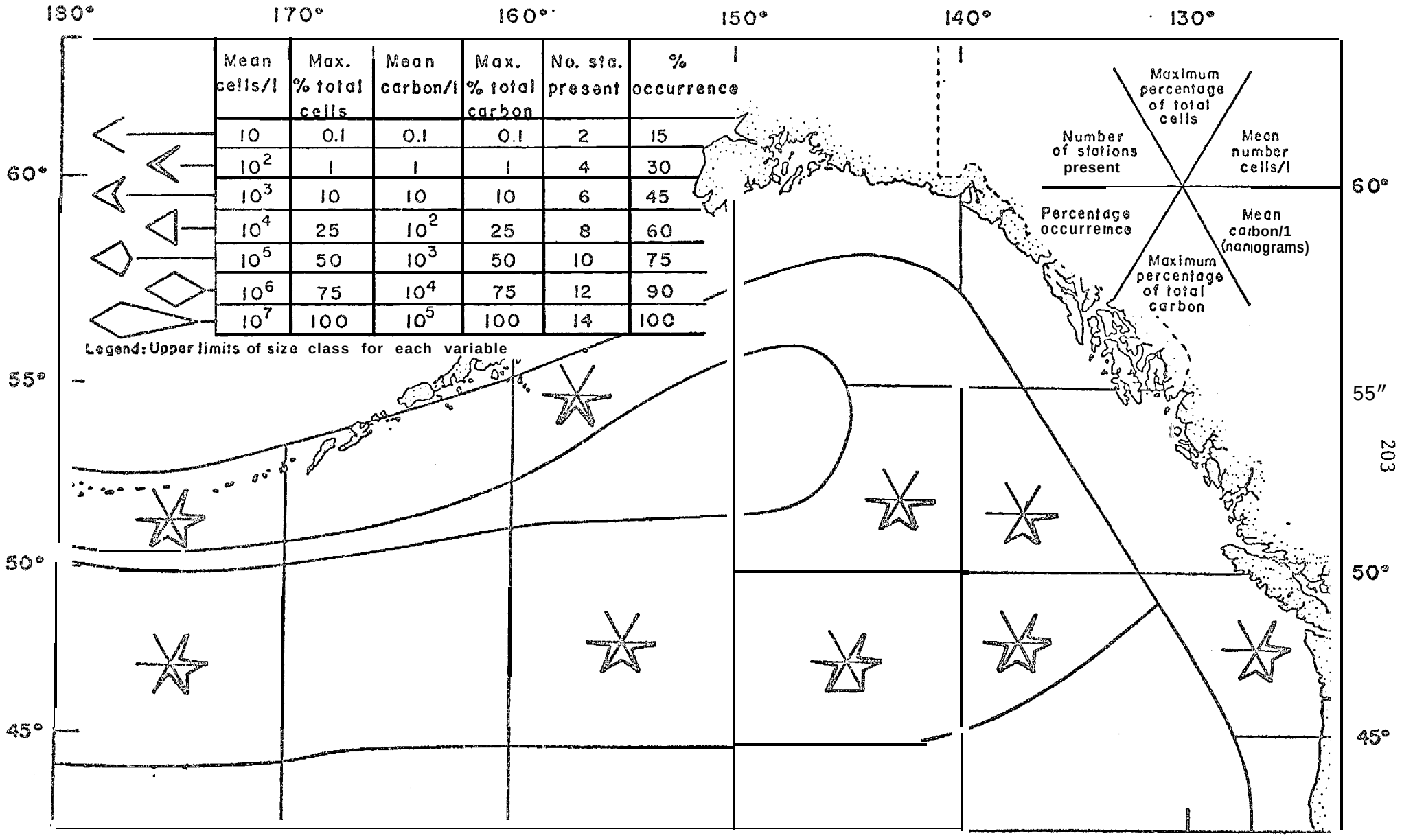


Figure 124. *The* distribution of *Ceratium tripos* in the upper 10 meters of the water column from January to July *1966* and 1969 to 1972.

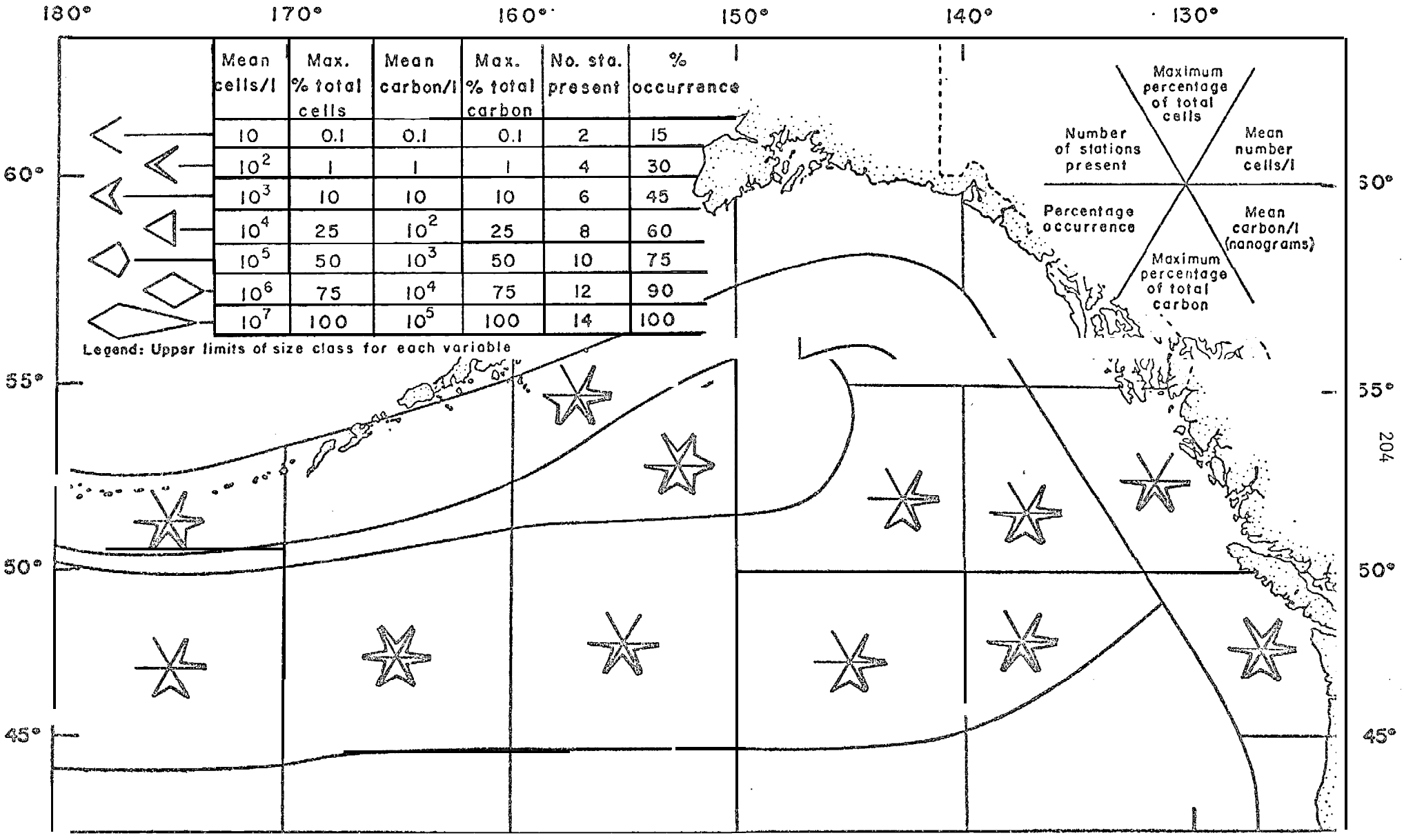


Figure 3,25. The distribution of *Dinophysis acuta* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

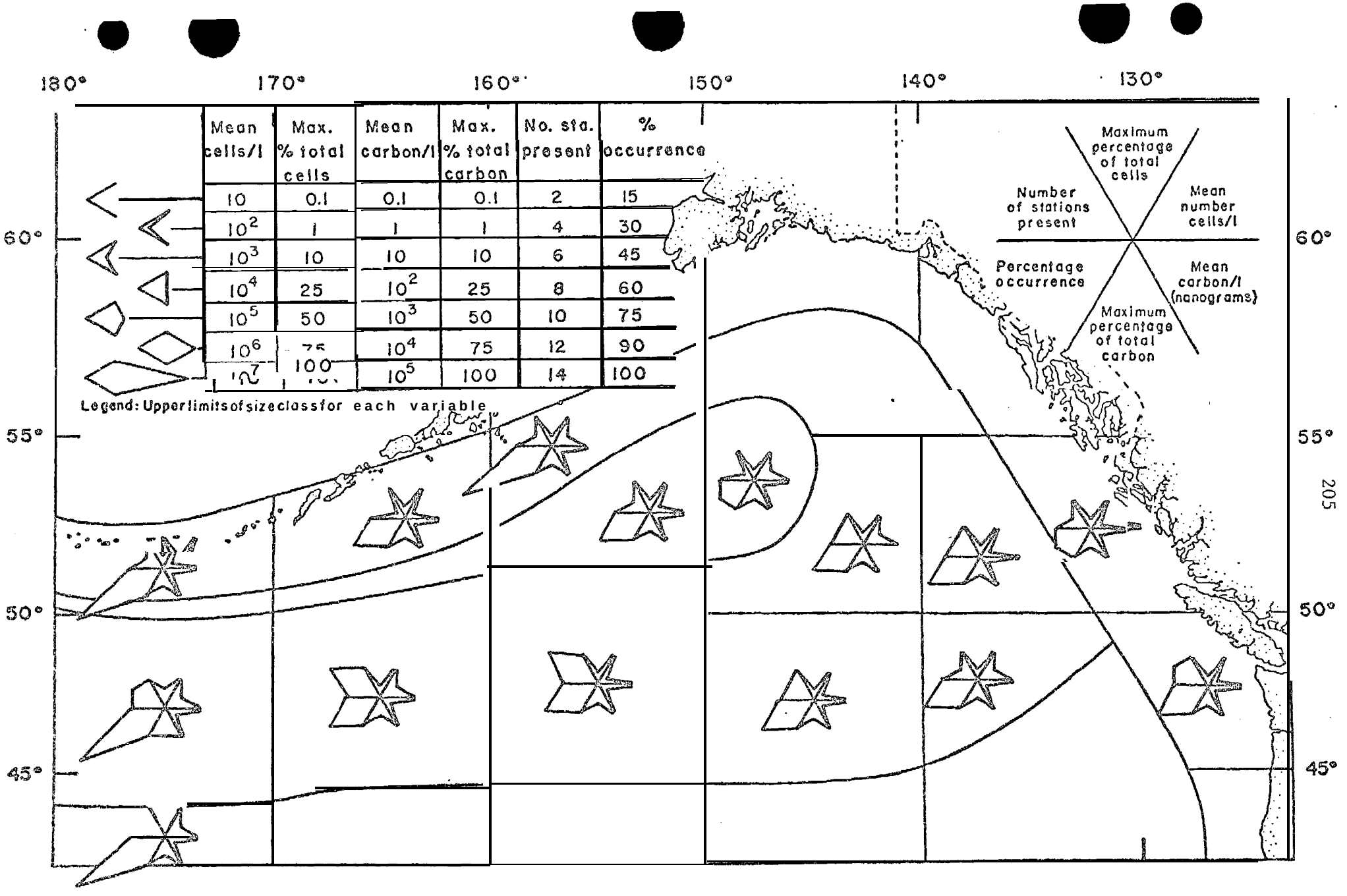


Figure 126. The distribution of *Gymnodinium* spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

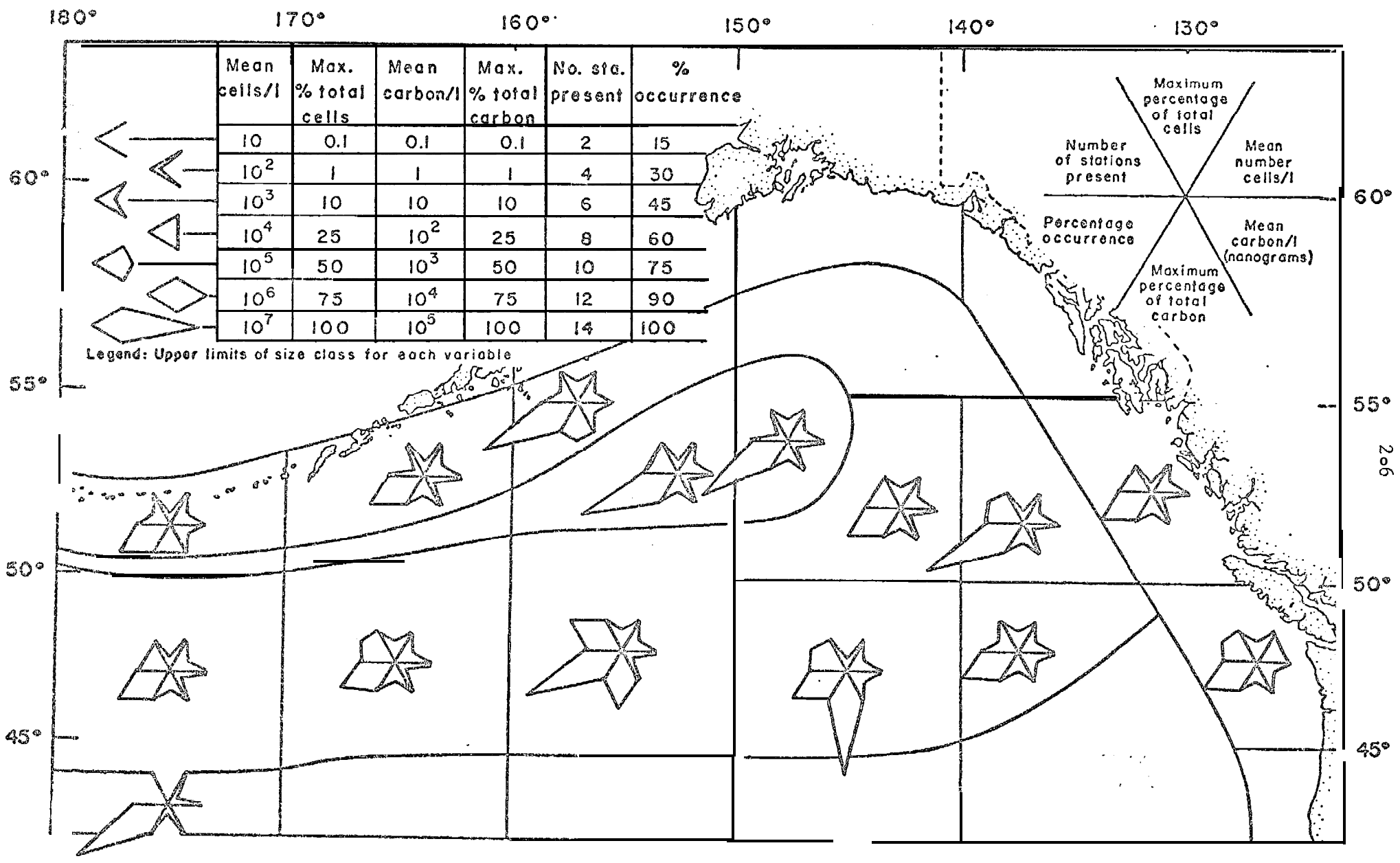


Figure 127. The distribution of *Gyrodinium* spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

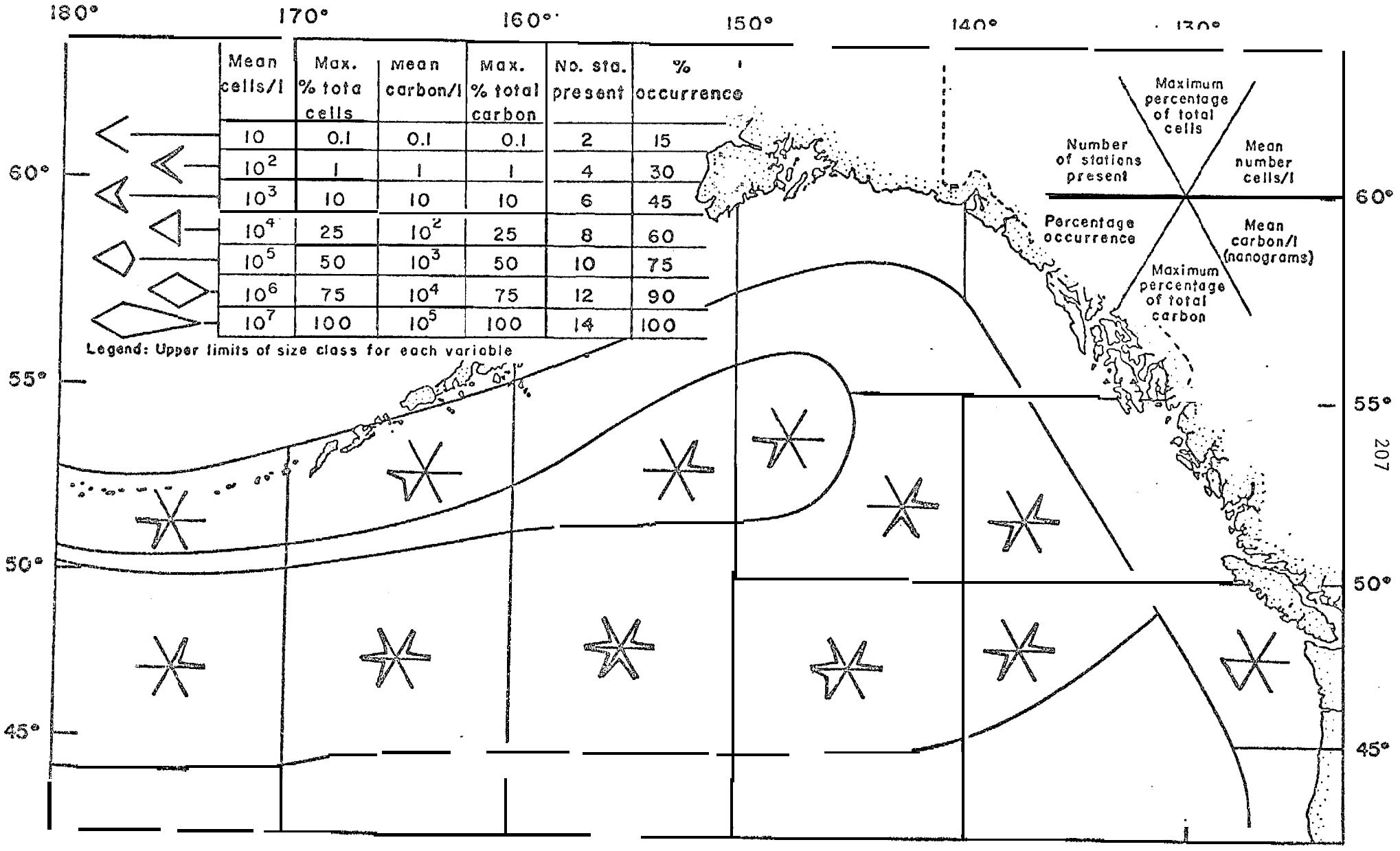


Figure 128. The distribution of *Miniscule bipes* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

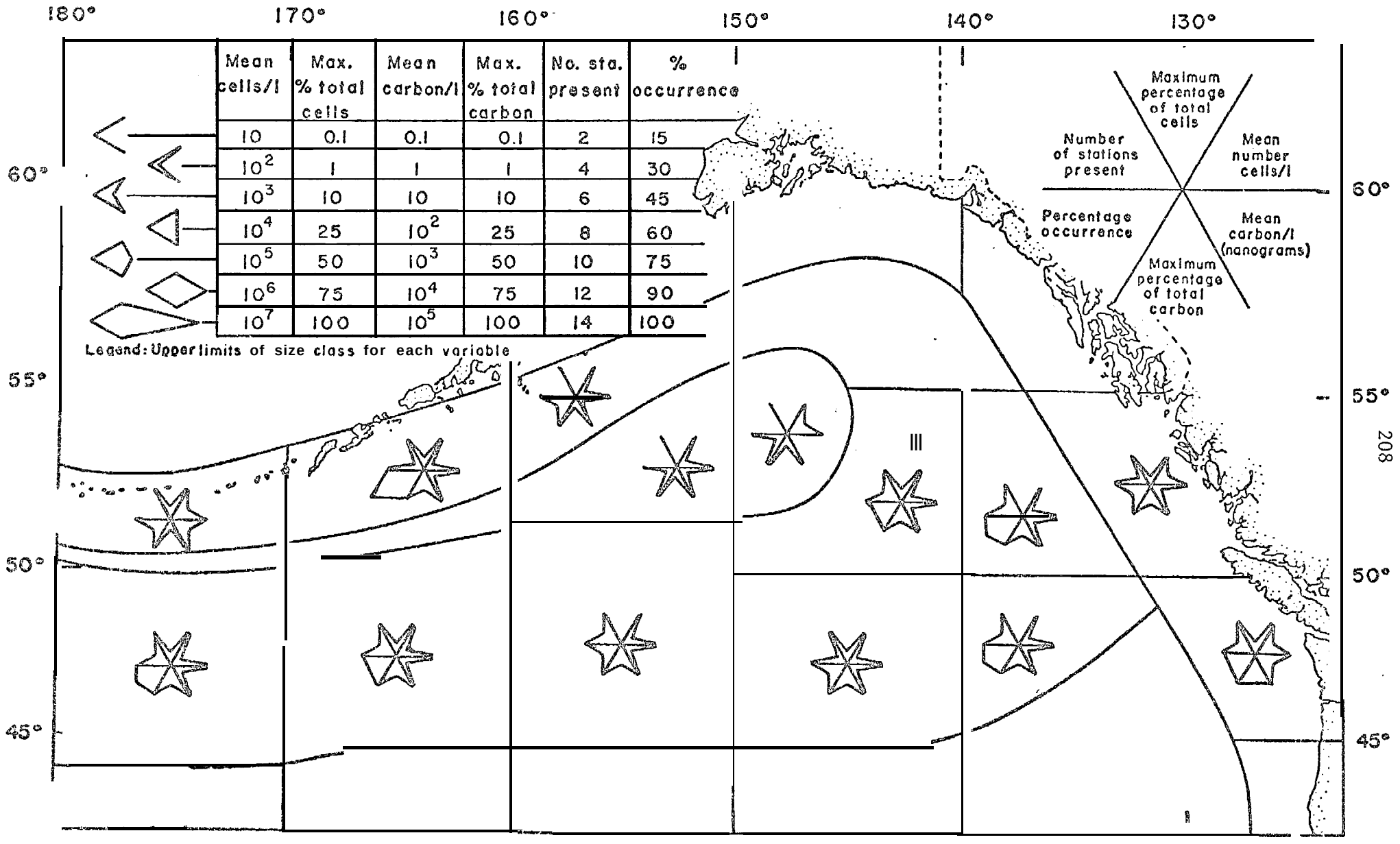


Figure 129. The distribution of *Perdinium cerasus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

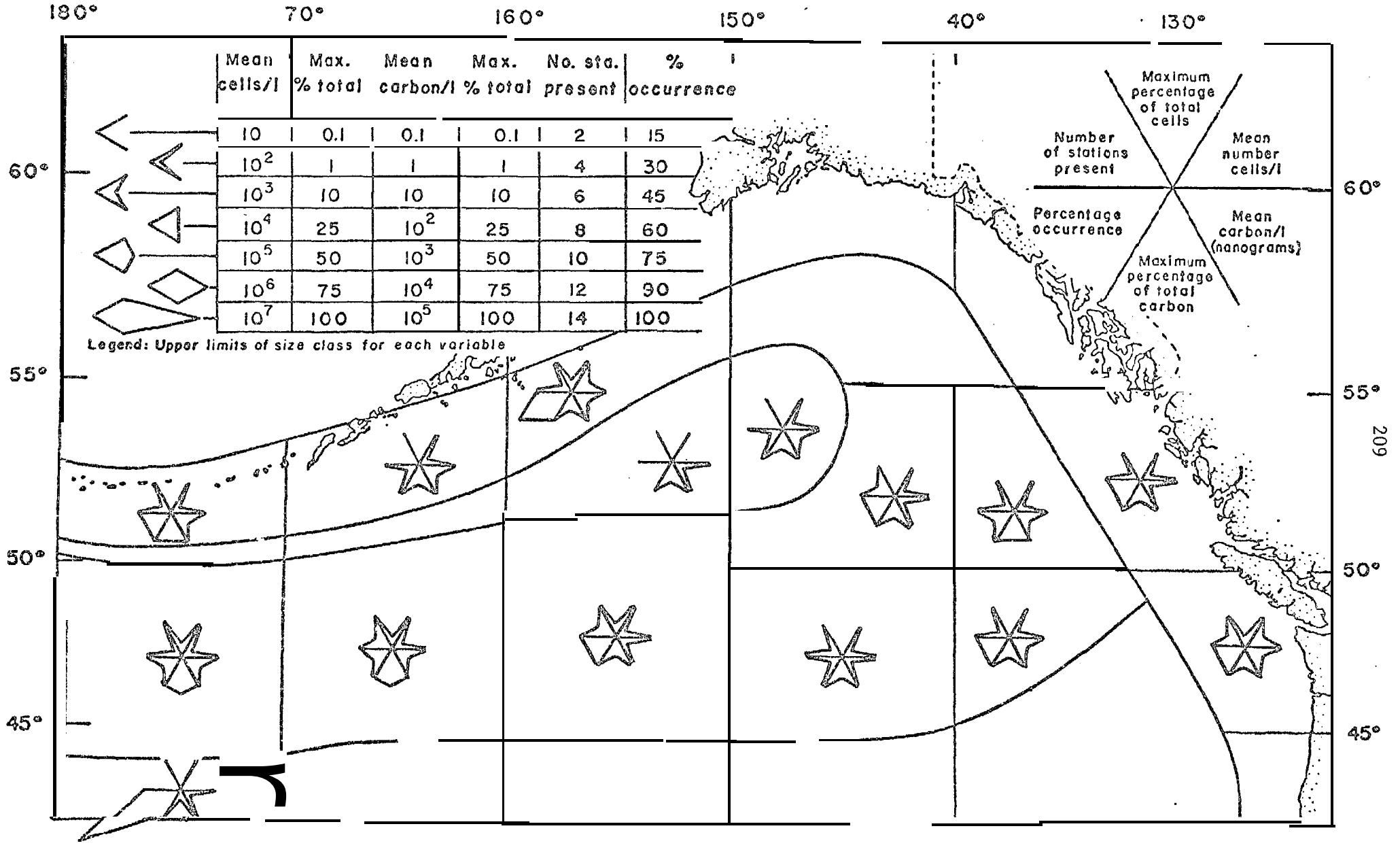
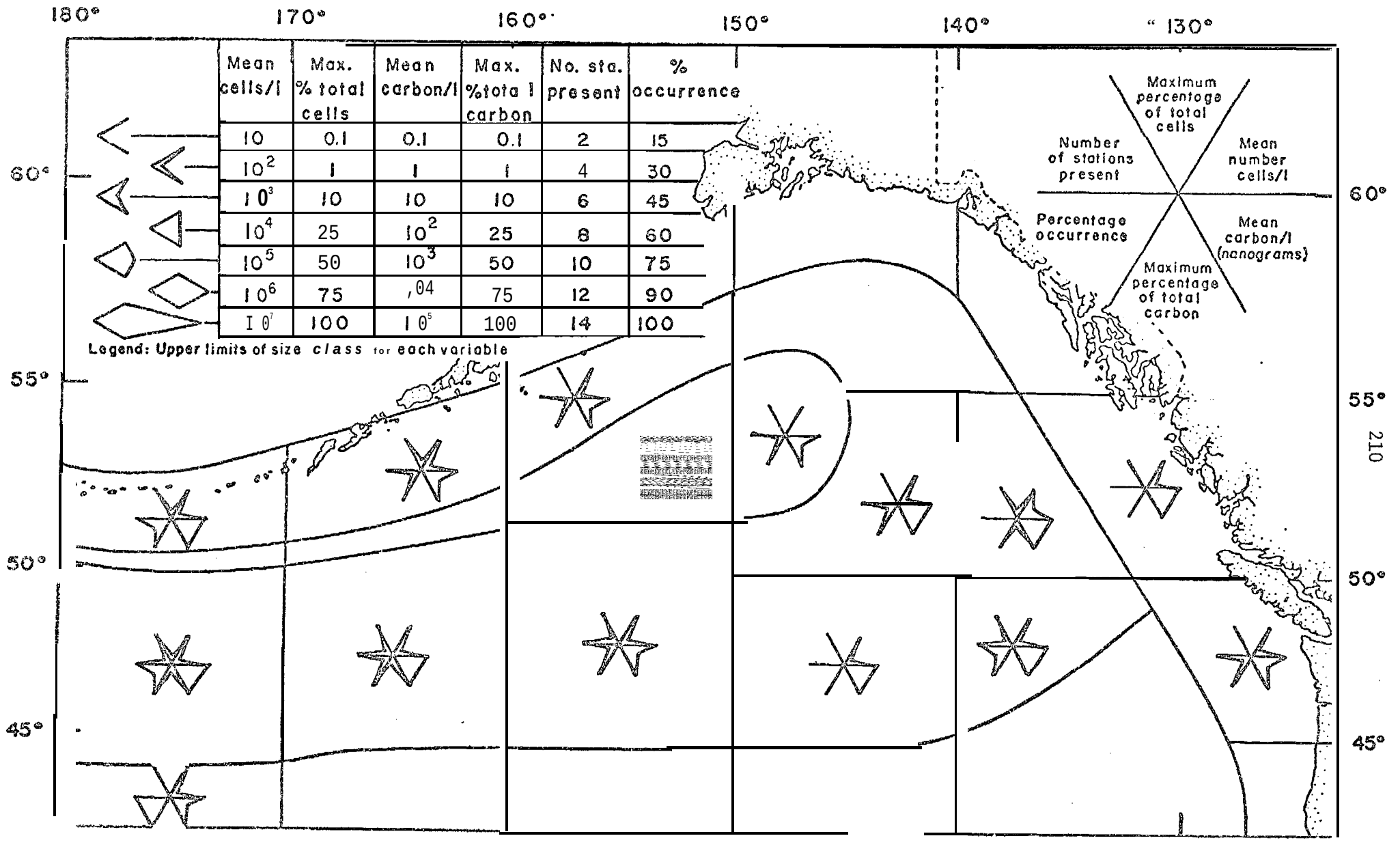


Figure 130. The distribution of *Peridinium depressum* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.



spp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

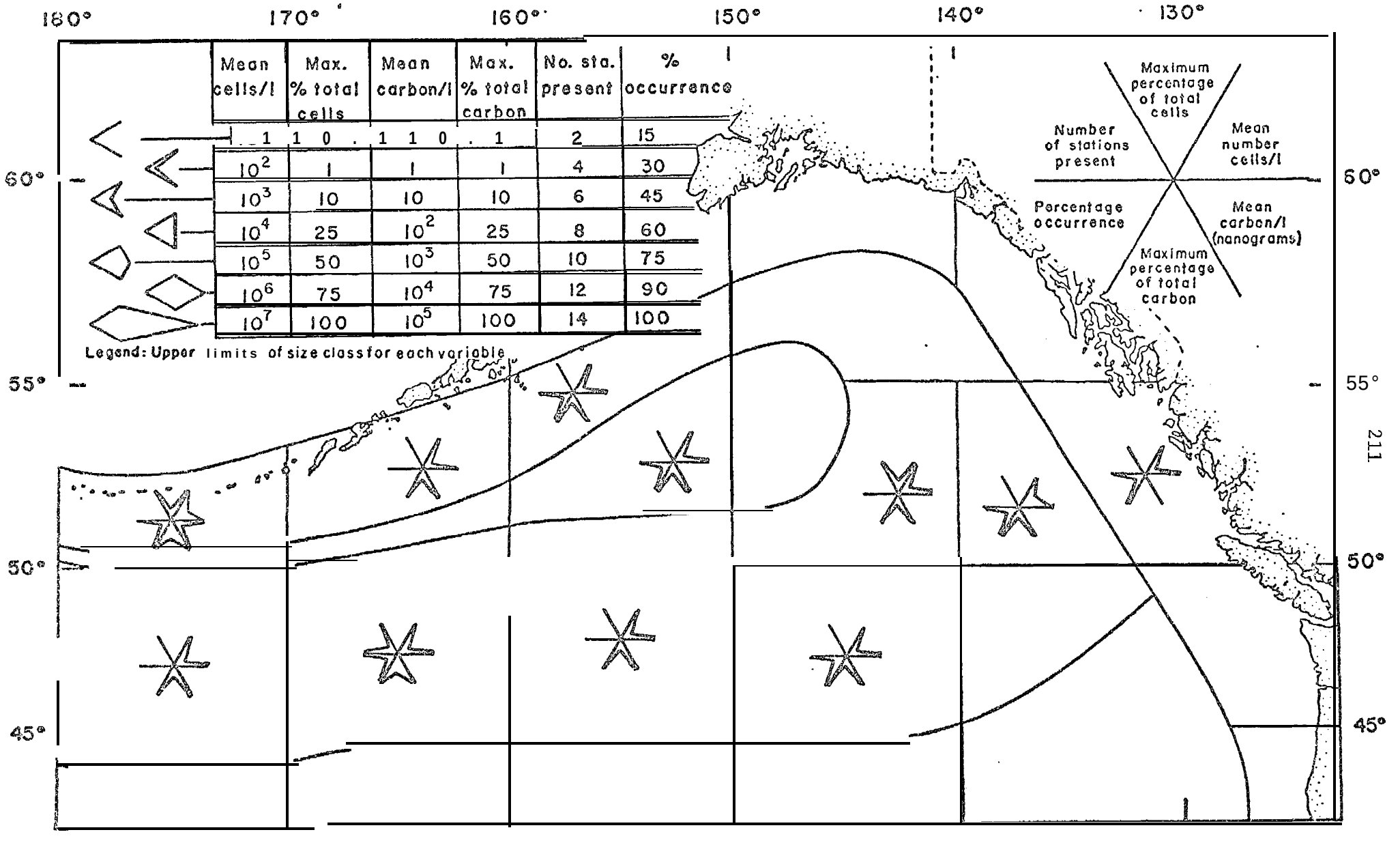


Figure 132. The distribution of *Coccolithophorid "C"* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

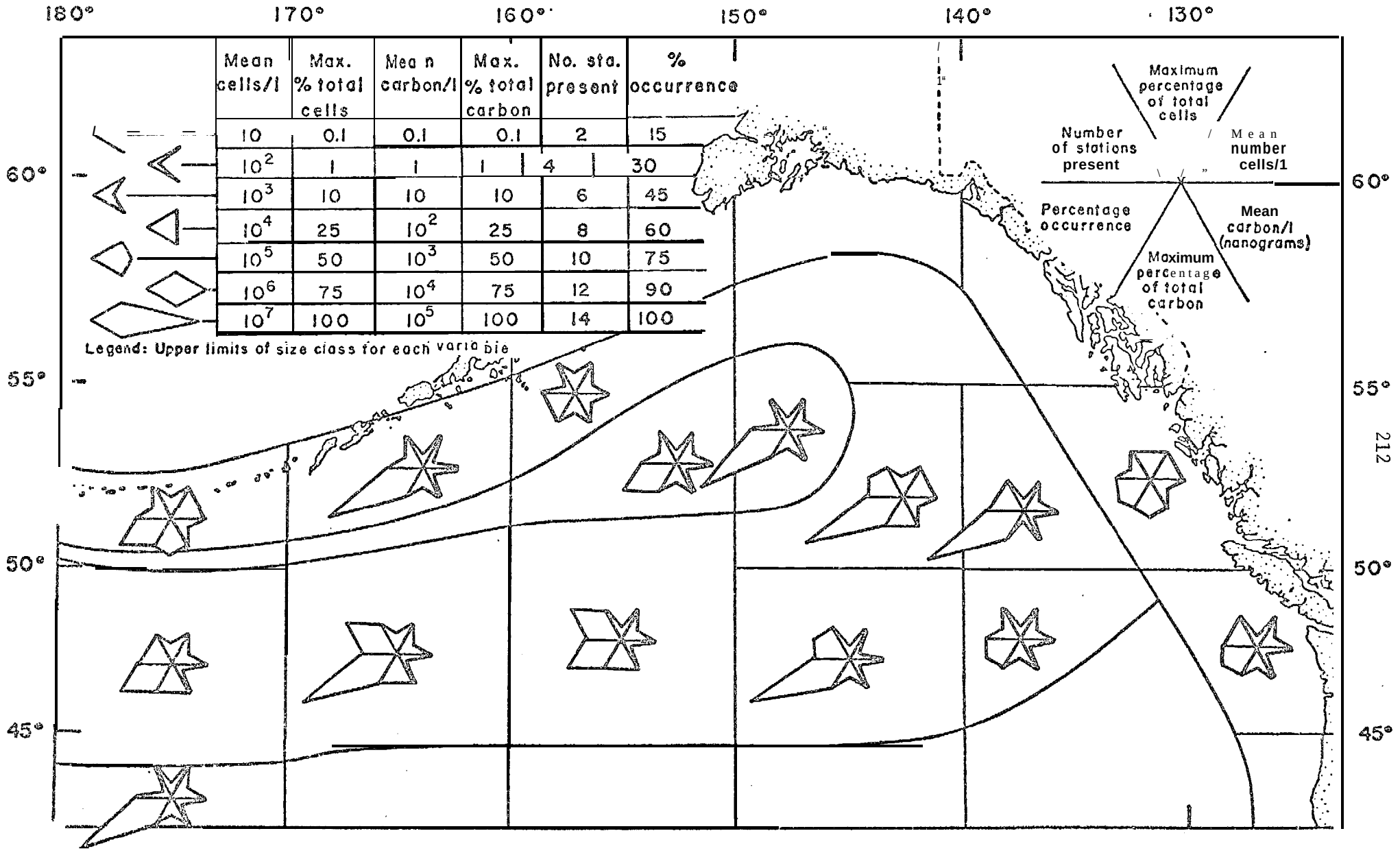


Figure 133. The distribution of *Coccolithus huxleyi* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

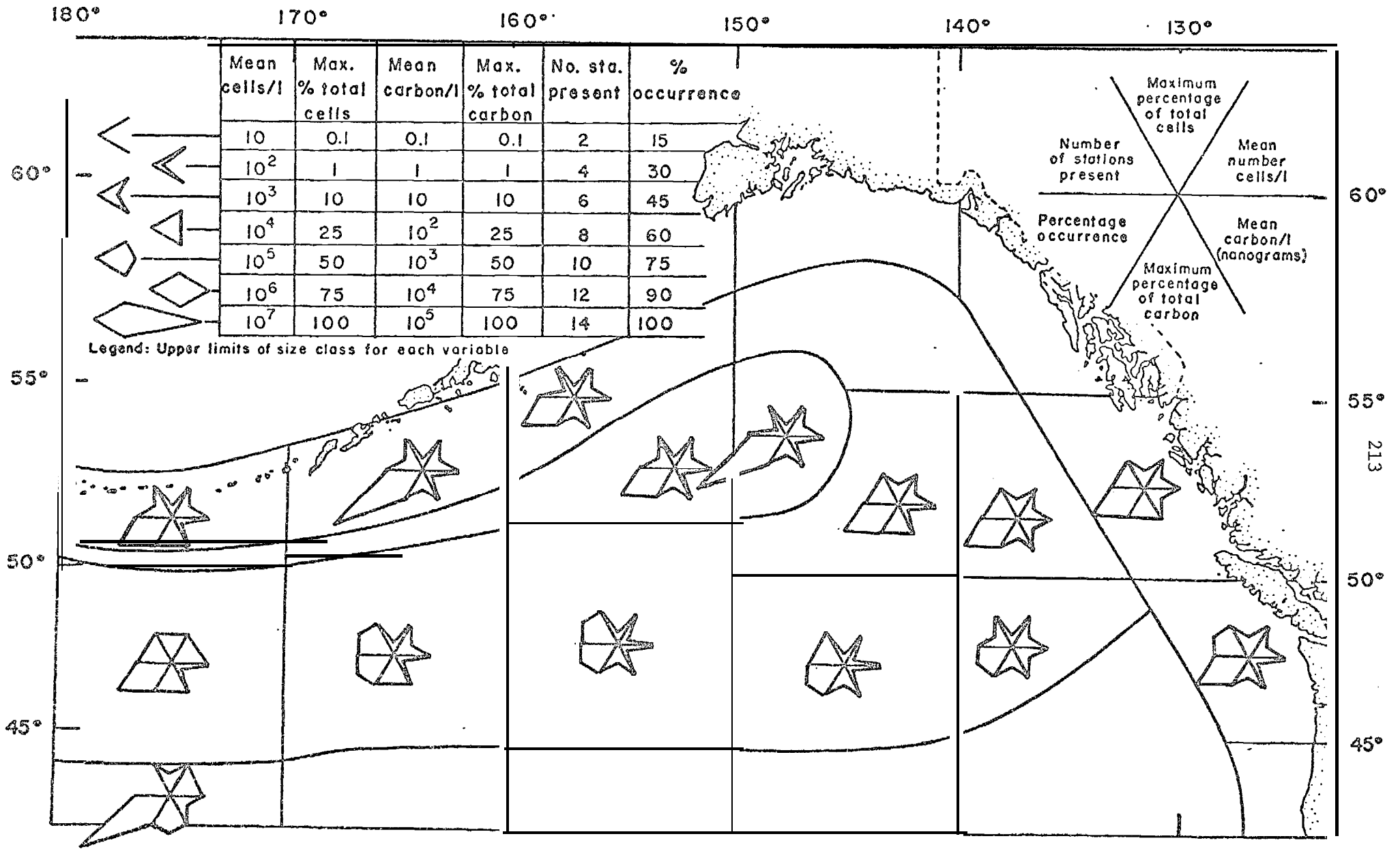


Figure 134. The distribution of *Coccolithus pelagicus* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

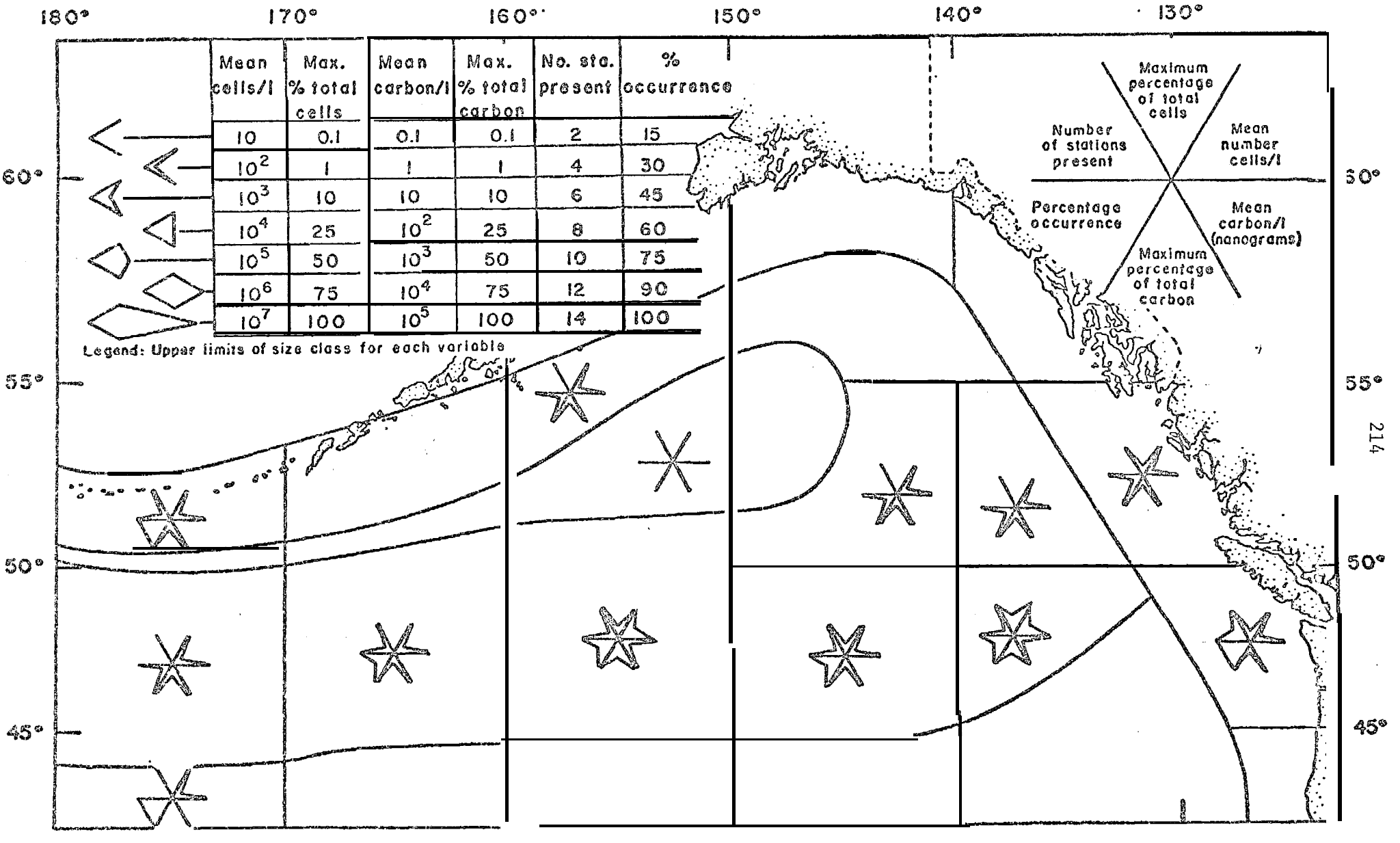


Figure 135. The distribution of *Cyclococcolithus* sp. A in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

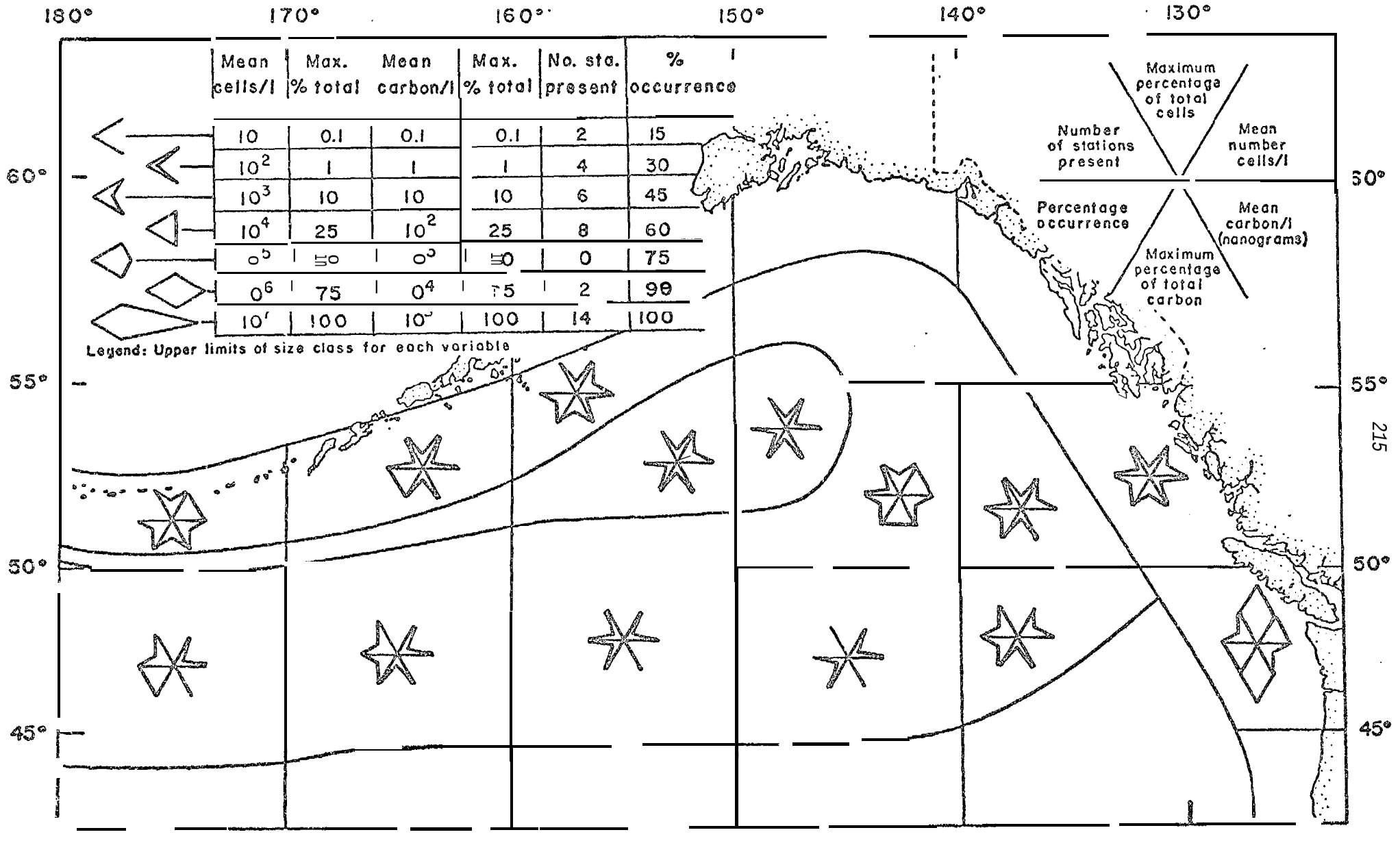


Figure 136. The distribution of *Cyclococcolithus* sp. B in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

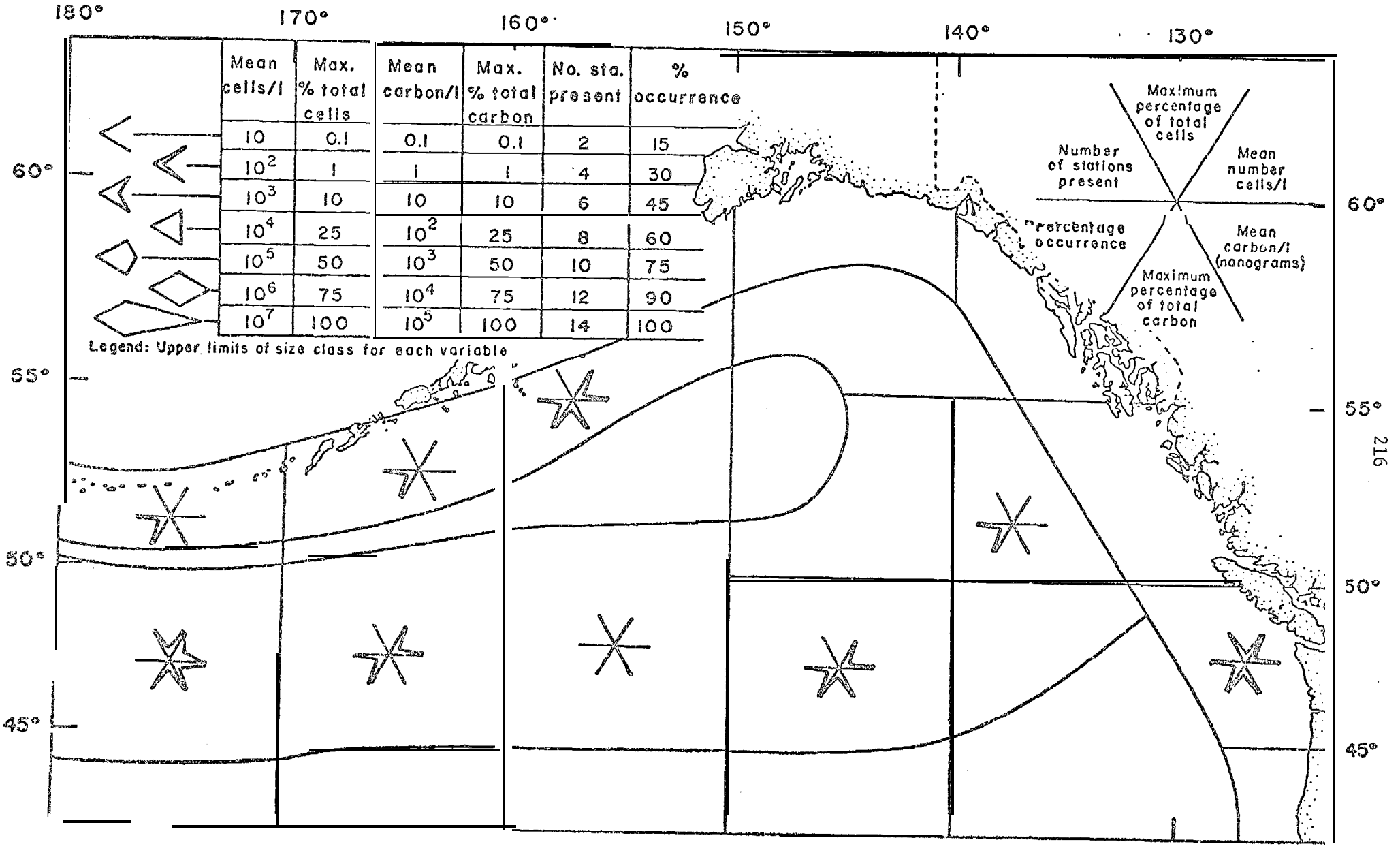


Figure 137. The distribution of *Rhabdosphaera tignifer* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

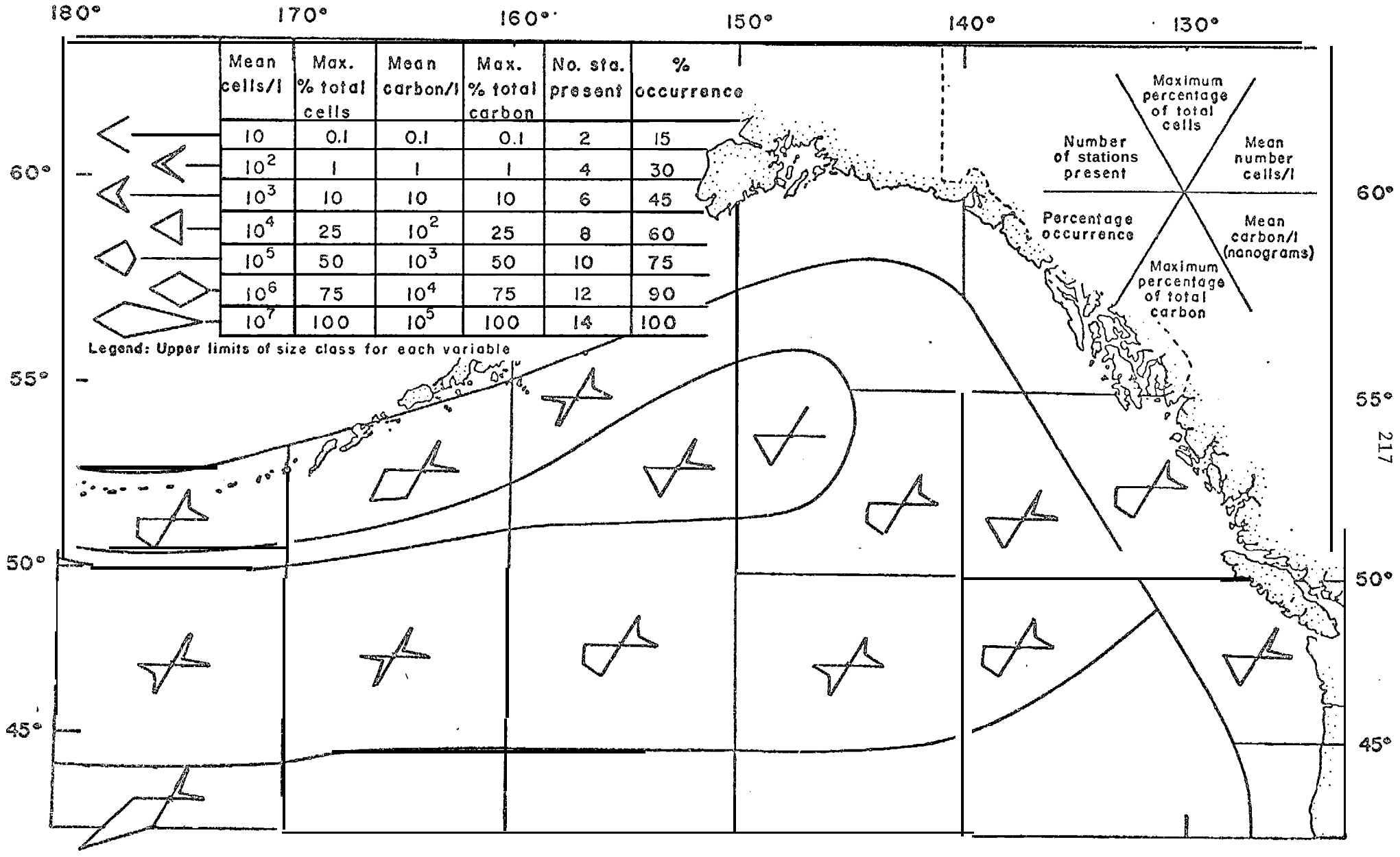


Figure 138. The distribution of *Dictyocha fibula* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

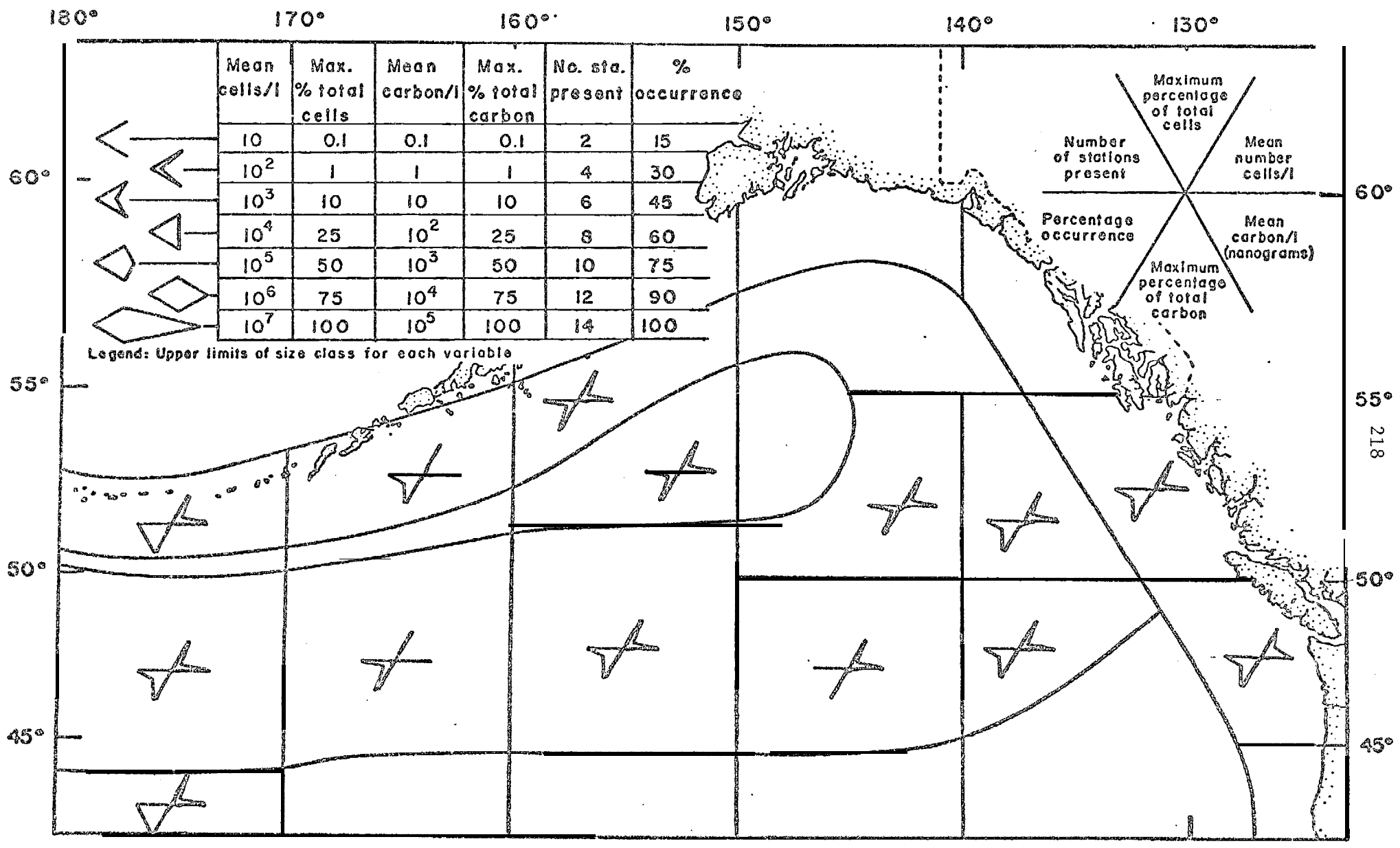


Figure 139. The distribution of *Distephanus octangulatus* in 'the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

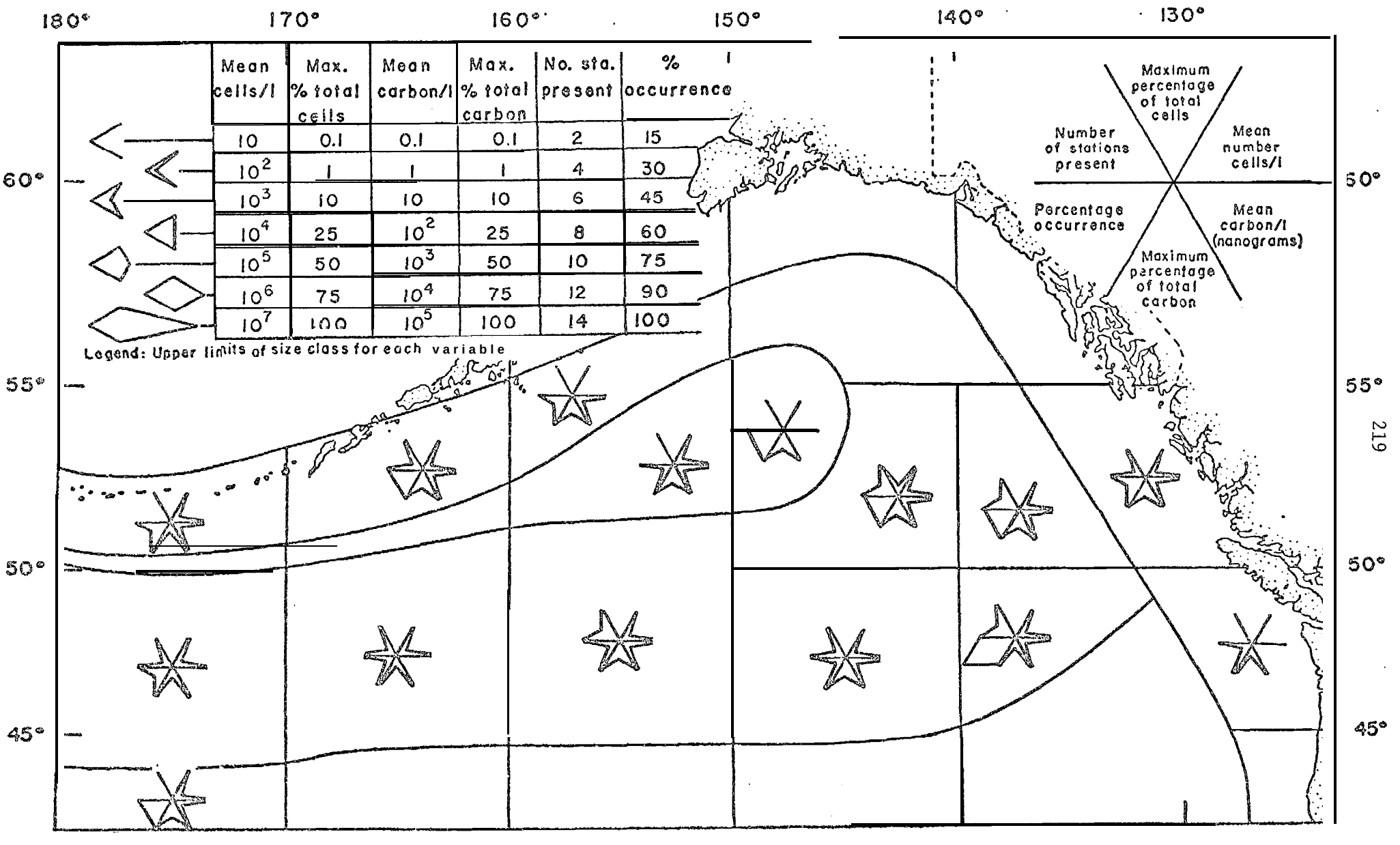


Figure *140*. The distribution of *Pterosperma* sp. in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

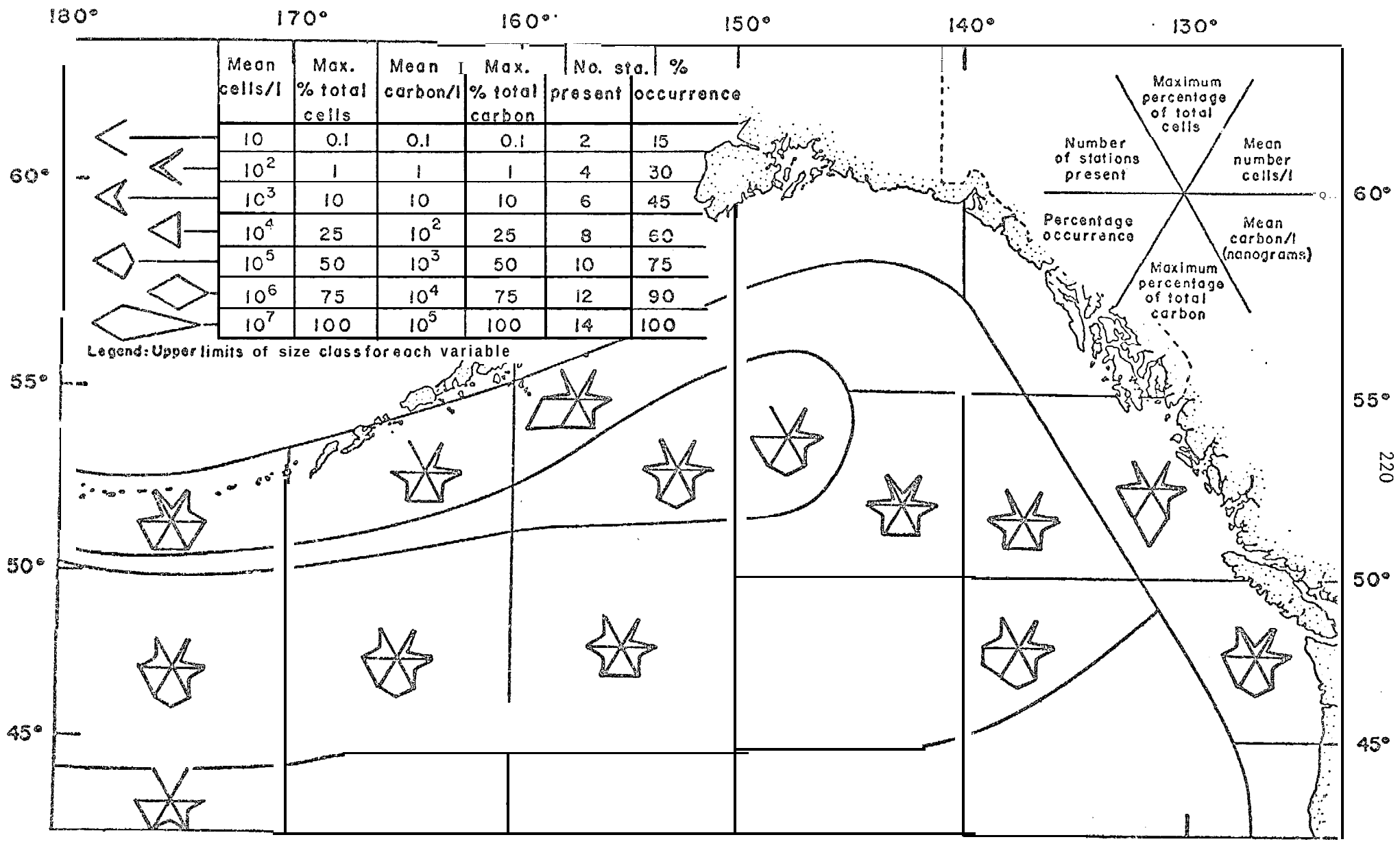


Figure 141. The distribution of *Halosphaera viridis* in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

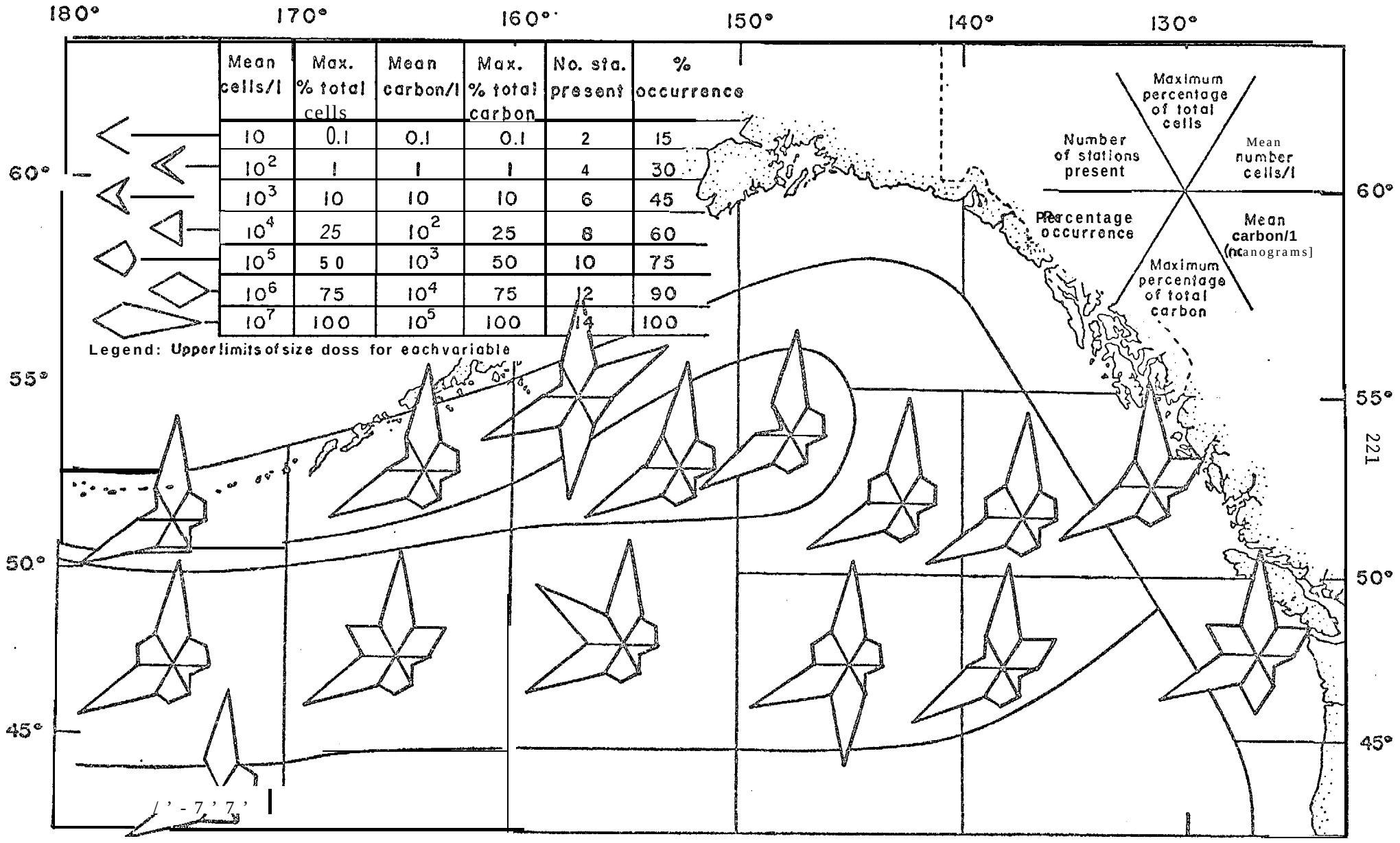


Figure 142. The distribution of Micro-flagellates in the upper 10 meters of the water column from January to July 1966 and 1969 to 1972.

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Appendix A

The following tables contain the data represented by Figure 31 through 79. Each page presents the data for one variable, all zones and seasons for the years 1958 through 1974 for the depth range written at the upper right corner.

The tables show the oceanic zone number in the left-most column under each season, followed by the various parameters for that zone and season.

MAX is the maximum value measured.

MIN is the minimum value measured.

MEAN is the arithmetic mean of all the data.

SD is the standard deviation.

N is the number of measurements made.

-00.99 and -99.9 and -99 indicate that there was no data for that zone and season.

Depth range 150.0-*99 meters includes all samples below 150 meters.

Total chlorophyll-a is integrated over the euphotic zone.

Total production (mg C/m^2/day is integrated over the euphotic zone.

Total phaeopigments are integrated over the euphotic zone.

Table 1. Chlorophyll a
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 2. Total chlorophyll a

Table 3. Primary productivity
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1--50 m
- d. 50.1-100 m

Table 4. Total productivity

Table 5. Nitrate
- a. 0-10 m
- b. 10.1-25 m
- C. 25.1-50 m
- d. 50.1-100 m
- e, 100.1-150 m
- f. > 150 m

Appendix A (cont'd.)

Table 6. Phosphate
- a. 0.-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100s1-150 m
- f. > 150 m

Table 7. Silicate
- a. o-1o m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 8. Oxygen
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 9. Phaeopigments
- a. 0-10 m
- b. 10.1-25
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 10. Total phaeopigments

Table 11.. Nitrite
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 12. Ammonia
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 13. Depth of Mixed Layer

Table 14. Light

TABLE la

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 ● 0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	.33	.33	.33	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	.61	.00	.16	.2	31
18	.60	.56	.58	.0	2
19	.65	.30	.48	.1	10
20	3.28	.18	1.05	.8	25
21	.71	.71	.71	.0	1
22	.58	.37	.48	.1	6
23	.58	.13	.25	.1	22
24	.54	.23	.33	.1	11
25	-99.99	-99.99	-99.99	-99.9	-99
26	.46	.16	.25	.1	5
27	.66	.26	.40	.1	17
28	.74	.33	.44	.1	9
29	.38	.36	.37	.0	3
30	.40	.00	.19	.1	35
31	1.06	.26	.40	.2	16
32	.42	.24	.33	.1	9
33	1.37	.10	.28	.1	130
34	.55	.28	.38	.1	15
35	.43	.29	.37	.0	8
36	.72	.22	.38	.1	19
37	.34	.28	.31	.0	6
38	.41	.41	.41	.0	1
39	.36	.36	.36	.0	1
40	.38	.17	.29	.1	9
41	-99.99	-99.99	-99.99	-99.9	-99
42	.38	.19	.27	.1	9

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	3.22	3.22	3.22	.6	-)1
16	-99.99	-99.99	-99.99	-99.9	-99
17	13.08	●00	2.65	3*6	147
18	2.22	.99	1.45	.4	13
19	4.90	●11	1.17	1.3	21
20	14.18	.15	2.44	3.1	54
2s	-99,99	-99.99	-99.99	-99*9	-99
22	12.03	.17	1.32	2.4	57
23	12.57	.16	1.41	2.3	43
24	5.17	.25	1.18	1*7	10
25	9.09	.33	2.77	3*4	12
26	●44	●21	●31	● I	7
77	1.60	●I7	.51	.4	32
28	2.16	.12	.46	.5	16
29	1.28	●09	.43	.3	52
30	.76	.05	.39	.2	50
31	.74	.05	.37	.2	42
32	.64	.14	● 36	.1	32
33	2.08	.00	.35	.2	224
34	.58	.16	*34	.1	26
35	1.89	●23	.91	.7	12
36	.74	●13	.37	.1	32
37	.75	.20	.41	.2	32
38	●30	●3Q	.30	.0	1
39	-99.99	-99.?9	-99.99	-99.9	-99
40	.52	.52	.52	.0	1
41	.38	,29	.35	.0	4
42	.48	.14	.36	.1	14

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	6*22	.62	3.09	2.0	6
16	2.03	.05	1.18	1.0	5
17	1.81	.00	.40	●5	53
18	9.50	1.40	5.45	5.7	2
19	.68	●S9	.41	.2	9
20	24.04	●15	4.10	4.9	123
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.34	.00	1.11	1.4	93
23	3.87	.05	.80	.9	39
24	3.72	.07	1.06	1.2	18
25	1.47	.00	.34	.3	20
26	●94	.33	.55	.2	5
27	1.35	.11	.43	.2	25
28	.58	.13	.41	.2	8
29	1.58	.09	.36	.3	82
30	.66	.21	.33	.1	17
31	.78	.16	.36	.2	43
37	1.97	● II	.60	.6	22
33	1.83	.03	.37	.3	233
34	●74	.12	.36	.2	22
35	.40	.40	.40	.0	1
36	37.10	.00	1.58	6.8	29
37	.68	.09	.35	.1	39
38	1..56	.21	.51	.4	15
39	.48	.25	.36	.1	4
40	1.05	.08	.44	.3	10
41	.65	●30	.49	.2	5
42	1.01	.64	.82	.3	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1*15	.00	●53	.3	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-9'9.09	-99.9	-99
20	1.88	.12	●Q4	● 6	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	2.63	●(Jcl	.78	.6	52
23	●45	.07	.17	.1	1.6
24	● 47	.30	.36	.1	4
25	-99*99	-99.99	-?9.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	,42	.41	.41	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.40	.07	.23	.1	27
30	1.25	●00	.25	.3	21
31	●54	.08	.36	.1	15
32	.55	●I2	●28	.2	4
33	1*49	●04	.36	.2	24P
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99,99	-99*9	-99
36	-9'?.99	-99*99	-99.99	-9'?*9	-99
37	.23	.23	.23	.0	1
38	.25	.02	.14	.2	14
39	.16	.04	.08	●0	6
40	●94	.01	.13	.2	22
41	-?9,99	-99*99	-99.99	-99*9	-99
42	-99.99	-'99.99	-99.99	-99.9	-99

TABLE lb

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 10.1 - 25.0METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	.51	.03	.17	.1	17
18	●37	.37	.37	.0	1
19	.37	.32	.34	.0	2
20	.86	●60	●74	.1	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	●25	●I4	●17	● G	9
24	.64	.28	●5?	.2	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	.20	●I7	●IFl	● C	4
27	.40	●3?	.35	#1	2
28	.17	.17	.17	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	.24	.12	.18	.0	32
31	●38	.24	.31	.1	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	.37	●10	.26	●1	32
34	●39	●32	●35	.0	3
35	●5fl	●27	.42	.1	4
36	.50	.20	.35	.1	5
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	.34	.16	.25	.1	2
41	-99*99	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99*9	-99
17	14.02	.00	2.16	3.8	59
18	1.17	,66	1.00	●	2 6
19	-99.99	-99.99	-99.99	-99.9	-99
20	3,.22	.64	1.?1	1.2	7
21	-'99,99	-99.99	-99.99	-99.9	-99
22	10.98	.32	2.09	2.9	16
23	4,76	●23	1.71	1.6	9
24	●30	.30	.30	● o	1
25	6.89	.30	3.18	3.1	8
26	●39	●26	● 33	●	I 3
27	.29	●26	●?7	.0	2
28	.45	.45	.45	● O	1
29	.58	.11	● 31.	● 1.	11
30	.71	●06	.36	.2	8
31	.49	.27	.41	.1	3
32	,4s	.48	.48	*0	2
33	.52	.13	.30	.1	52
34	.38	●38	.38	.0	1
35	1.89	.39	1.10		.7 8
36	-99.99	-99,99	-99.99	-99.?	-99
37	.69	.51	.60	.1	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99*99	-99,99	-99.99	-99,9	-99
41	-99.99	-99*99	-99.'39	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

15	3.14	1.69	2.41	1.0	2
16	3.42	1.95	2.49	.8	3
17	●65	.04	.26	● Z'	14
19	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99*99	-99.99	-99.9	-99
20	13.90	.33.	2.99	3.0	41
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.16	●1I	.97	.9 3	4
23	2.76	.35	1.11	.9	12
24	3.03	.19	1.,55	1.3	5
25	.47	●06	● 27	.2	5
26	.54	●YO	.52	.0	2
27	●68	.29	.46	.1	12
28	.63	.43	.53	.1	?
29	2.96	●1G	.4?	.6	24
30	-99.99	-99.99	-99.99	-99.9	-99
31	●66	●20	●37	● 2	11
32	2.05	.19	.76	.7	7
33	1,04	●IO	.42	● ?.	57
34	,47	●25	.36	● I	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	.54	.15	.34	.1	10
37	.61	●24	●42	.1	11
38	,46	.17	● 34	.1	9
39	●I5	●15	● 1S	● O	1
40	.89	,08	.48	.5	4
41	1.62	●34	.74	.5	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.08	.27	.51	.2	14
18	-99.99	-99*99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*99	-99.9	-99
20	.71	●25	.45	.7	3
21	-99.99	-99.99	-99*99	-99.9	-99
22	1.20	●II	.57	.3	11
23	,43	.00	.16	,*2	7
%4	.43	. .33	.38	.0	4
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99,99	-99.99	-99*9	-99
27	●4?	.46	●46	.0	2
28	-99*99	-99.99	-99,99	-99.9	-99
29	.37	.03	●22	.1	18
30	.81	.14	.36	●3	5
31	.59	.21	● 40	'*I.	8
32	-99.99	-99*99	-99.99	-99.9	-99
33	●93	*3.4	● 3 3	.1	53
34	-99.99	-99.99	-99.99	-99*9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99*99	-99.99,	-99.9	-99
38	.21	.05	.14	.0	8
39	.12	.07	.09	.0	2
40	.27	.05	● 11	● 1	14
41	-99.99	-99.99	-99.99	-99.9	-9?
4.2	-99.99	-99.99	-99*99	-99,9	-99

TABLE 1c

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-'29.99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.54	.00	.18	●2	1.4
18	●45	.41	.43	•0	2
19	.29	.29	.29	.0	1
20	,72	●12	.37	.7	6
.?1	-99*99	-99*99	-99.99	-99.9	-99
22	-99.99	-99*99	-99.99	-99.9	-99
23	●25	.17	.21	.0	5
24	.45	.27	.34	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	.24	.S7	.?1	.0	2
.27	.46	.28	.37	.1	7
28	.52	●42	.47	.1	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	.25	.18	.21	.0	5
31	.38	.1.5	.30	.1	8
32	-99.99	-99.99	-99.99	-99.9	-99
33	.41	.08	.31	.1	13
34	.34	.29	.32	.0	3
35	.58	,24	.39	.2	5
36	.41	.20	.30	.1	7
37	-99.99	-99.'?9	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.56	.17	.32	.1	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.65	●02	.16	.2	24
18	.98	●2Q	.64	● 3	6
19	-99.99	-99.99	-99.99	-99.9	-99
20	1.29	.37	.65	.3	.11
21	-99.99	-99.99	-99.99	-99.9	-99
22	9.66	●33	2.67	2.9	19
23	4.65	.23	1.77	1.5	10
?4	.28	.17	.22	.1	2
25	7*37	.30	3.4'4	2.8	8
26	.35	.28	.33	.0	,4
27	.29	.29	●Z9	'*0	1.
28	●75	.60	.69	.1	2
29	.61	.08	●33	.2	.12
30	.74	.06	.39	.2	12
31	.51	●17	●35	'*2	5
32	.415	.35	● 41	● CI	4
33	.49	.12	●31	.1	23
34	●35	●30	●32	.0	2
35	1.89	.27	.63	.5	8
36	-99*99	-99.99	-99.99	-99.9	-99
37	.70	.64	.66	● n	4
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.38	●30	● 35	.04	

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	.70	.70	.70	.0	1
16	●42	.28	● 35	.1	2
17	.09	●05	.07	.0	3
18	-99.99	-99.9?	-99.99	-99.9	-99
19	.84	.84	●84	● C?	1
20	11.60	●14	1.67	1.9	42
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.93	.13	.56	.5	31
23	●77	.02	.47	.2	1.1
24	2.78	.64	1.53	1.0	4
25	●43	●I5	●z$a	.1	6
26	,57	.49	.54	.0	3
27	.63	.26	●44	.1	22
28	.49	●75	.37	● Z	2
29	.92	●lo	.29	.7	31
30	-99.99	-99.99	-99.99	-99.9	-99
31	.98	.20	.40	.2	15
32	.42	●Z4	.32	.1	8
33	1.01	.09	.36	.2	57
34	.64	.28	● 54	.1	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	.65	.00	.33	.1	32
37	.67	.14	.43	.1	32
38	.24	.11	.17	.1	2
39	-99.99	-99.99	-99.99	-99.9	-9?
40	●2Z	.17	●I9	.0	2
41	.47	.19	.31	●	16
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99,99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	,73	.06	.25	.2	11
18	-99.99	-99.99	-99.99	-99*9	-99
19	-99.99	-99.99	-99.99	-99.9	-9?
20	1.25	●1Q	.69	'0'5	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.09	●14	.46	.2	15
23	●38	.38	.38	.0	1
24	.43	.17	.29	.1	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	,69	,60	●64	●	12
28	-99.99	-99.99	-99.99	-99.9	-99
29	.49	.05	.23	.1	19
30	.46	●05	.17	.7	4
31	.49	.17	●35	.1	17
32	-99*99	-99.99	-99.99	-99.9	-99
33	.66	.14	.31	.1	26
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99*99	-99.99	-99,99	-99.9	-99
38	.33	.02	.17	●	16
39	.11	.08	●00	.0	2
40	.75	.07	.39	.2	21
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1d

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.61	.00	.29	.2	6
18	1.08	.27	.67	.6	2
19	.26	.13	.19	.1	2
20	.33	.31	.32	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
%4	.51	.23	.35	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.46	.09	.33	.1	8
28	.36	.34	.35	.0	2
79	-99.99	-99.99	-99.99	-99.9	-99
30	.22	.10	.15	.0	11
31.	.55	.20	.35	.1	9
32	-99.99	-99.99	-99.99	-99.9	-99
33	.37	.04	.24	.1	35
34	.36	.31	.34	.0	3
35	.58	.00	.34	.2	5
36	.47	.03	.31	.1	8
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.45	.21	.32	.1	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	●39	.02	.18	.1	5
18	.84	●14	.41	.4	3
19	●44	.03	.16	.2	4
20	.84	.12	.38	.3	9
21	-99,99	-99.99	-99.99	-99.9	-99
22	3.63	.29	1.42	1.3	12
23	2.06	.07	●6G	.7	11
24	.44	●13	.28	●2	2
25	1.10	.26	●50	.3	6
26	.38	.04	.17	.1	5
27	.27	.26	.76	● o	2
28	.56	.44	.50	.1	3
29	.59	.01	.20	.?	?
30	.64	.00	● 31	.2	12
31	.43	●14	.27	.1	6
32	.47	.23	,34	● 1	4
33	?44	●06	.25	● 1	55
34	.26	.23	.25	.0	2
35	.28	●08	.15	● I	5
36	●2(	.17	.26	.1	2
37	●66	.10	.31	.2	6
38	-99.99	-99.99	-99,99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99*99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	●2Q	.04	● 16	.22	

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	.29	.20	.26	.0	3
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.20	.20	.20	.0	1
20	1.65	.18	.57	.5	17
21	-99.99	-99.99	-99.99	-99.9	-99
22	.64	.08	.23	.2	21
23	.22	.14	.19	.0	4
24	.26	.12	.19	.1	2
25	.42	.10	.27	.2	3
26	.56	.24	.41	.2	3
27	.49	.02	.27	.1	21
28	-99.99	-99.99	-99.99	-99.9	-99
29	.18	.00	.13	.0	19
30	-99.99	-99.99	-99.99	-99.9	-99
31	.38	.10	.18	.1	15
32	.29	.12	.20	.1	7
33	.42	.04	.21	.1	66
34	.45	.16	.28	.1	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	.38	.03	.21	.1	39
37	.60	.03	.26	.1	34
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.97	.12	.54	.6	2
41	.20	.13	.17	.0	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	●05	●0!-)	.03	.0	2
18	-99.99	-99*99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*99	-99.9	-99
20	.51	.00	.24	.3	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	.26	.09	.16	.1	9
23	-99.99	-99.99	-99.99	-99.9	-99
24	●31	.12	●22	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.19	.14	.17	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.31	●00	,14	.1	14
30	-99.99	-99.99	-99.99	-99.9	-?9
31	●4P	.04	.21	.1	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	.62	.01	.16	.1	44
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99*99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-9?
37	-99.99	-99.99	-99*99	-99,9	-99
38	●27	●07	.13	.1	6
39	-99.99	-99.99	-99.99	-99.9	-99
40	1*41	.07	.50	● 4	34
41	-99.99	-99.99	-99*99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-9a

TABLE 1e

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99*9	-99
17	.25	.09	.14	.1	4
18	.16	.13	.14	.1	2
19	.06	.06	.03	.0	1
20	.27	.27	.27	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99*99	-99.9	-99
24	.30	.24	.27	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.27	.01	.15	.1	4
28	.39	.19	.29	.1	2
29	-99.99	-99,*99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99*9	-99
31	.05	.14	.24	.0	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	.35	.02	.10	.1	22
34	.30	.20	.25	.1	2
35	.33	.11	.23	.1	4
36	.17	.02	.09	.1	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	.05	.05	.05	.1	1
41	-99*99	-99.99	-99.99	-99.9	-99
42	-99,99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.9?	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99*99	-99.9	-99
19	-99.99	-99.99	-99,99	-99.9	-99
20	.10	.10	.10	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	3,32	.20	1.24	I*3	8
23	1.13	.06	.45	.5	7
24	.22	.15	.18	.0	2
25	.68	.21	.41	.2	4
26	.10	.02	.05	.0	3
27	,26	.18	.22	.1	2
28	.36	.12	.24	.2	2
29	.0?	.00	.02	.0	6
30	.20	.00	.07	.1	7
31	.19	,01.	.08	.1	3
32	.29	.01	.15	.2	2
33	.48	.02	.11	.1	32
34	.18	.03	.10	.1	2
35	-99.99	-99.99	-99,9?	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.11	.01	.06'	.1	2
38	-99.99	-99,99	-99.99	-99,9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.?9	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.10	.09	.09	.0	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99*99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	1.28	.10	.42	.5	10
21	-99*99	-99.99	-99.99	-99.9	-99
22	1.31	.00	.31	.4	12
23	.G9	.09	.09	.0	1
24	.1.2	.12	.12	.0	1
25	.21	.07	.14	.1	2
26	.20	.14	.17	.0	2
27	.15	.00	.07	.1	14
28	-99.99	-99.99	-99.99	-99.9	-99
29	.09	.00	.05	.0	8
30	-99.99	-99.99	-99.99	-99.9	-99
31	.04	.01	.02	.0	10
32	.15	.06	.09	.0	4
33	.20	.02	.07	.0	35
34	.13	.06	.10	.0	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	.C5	.01	.03	.0	6
37	.41	.00	.12	.1	19
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.9?	-99.99	-99.99	-99.9	-99
40	.03	.03	.03	.0	1
41	.09	.06	.07	.0	2
42	-99*99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99*9?	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.01	.01	.01	.0	1
18	-99.99	-99.99	-99*99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99,99	-99.99	-99.9	-99
21	-99,99	-99.99	-99.99	-99.9	-99
22	.2Q	.00	.07	.1	7
23	-99*99	-99.9?	-99.99	-99.9	-99
24	.11	.07	.09	.0	4
25	-99.99	-99*99	-99s99	-99*9	-99
26	-99.99	-99*99	-99.99	-99.9	-99
27	.11	.10	.10	.0	2
28	-99*99	-99.99	-99.99	-99.9	-99
29	.31	.02	.09	.1	5
30	-99.99	-99.99	-99*9'?	-99.9	-99
31	.14	.00	.09	.0	12
32	-99.99	-99.99	-99.99	-99,9	-99
33	.12	.Q0	.04	.0	30
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	'99.99	-99.99	-99.9	-99
36	-99,99	-99.99	-99.99	-99.9	-99
37	-99s99	-99.99	-99,99	-99*9	-99
38	.10	.02	.05	.Q	3
39	-99*99	-99.9'9	-99.99	-99.9	-99
40	,16	.02	.07	.0	9
41	-99*99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99,99	-99.9	-99

TABLE 1f

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.05	.05	.05	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.20	.02	.11	.1	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	.10	.02	.05	.0	22
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.01	.01	.01	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.14	.14	.14	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.03	.26	.54	.4	3
23	1.10	.04	.35	.5	4
24	-99.99	-99.99	-99.99	-99.9	-99
25	.22	.16	.19	.0	2
26	.02	.01	.02	.0	2
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.00	.00	.00	.0	16
30	.10	.00	.01	.0	10
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.38	.00	.07	.1	32
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.14	.04	.08	.0	6

SUMMER

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	1.35	.07	.41	.6	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	.55	.16	.35	.2	3
23	-99.99	-99.99	-99.99	-99.9	-99
24	.04	.04	.04	.0	1
25	.33	.33	.33	.0	1
26	.05	.05	.05	.0	1
27	.11	.00	.06	.0	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	.04	.01	.03	.0	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	.15	.01	.04	.1	7
32	.11	.05	.08	.0	3
33	.74	.01	.09	.1	31
34	.07	.07	.07	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	.02	.00	.01	.0	2
37	.31	.03	.12	.1	8
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.01	.01	.01	.0	1
41	.07	.03	.05	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.09	.00	.04	.0	4
23	-99.99	-99.99	-99.99	-99.9	-99
24	.11	.04	.07	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.08	.08	.08	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	.06	.00	.03	.0	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	.16	.00	.08	.1	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	.08	.00	.03	.0	31
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.00	.00	.00	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	.12	.01	.04	.0	8
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 2

TOTAL CHLOROPHYLL-A (MG/M**2) 1958 - 1974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	33.60	2.00	8.95	9.7	13
18	31.40	31.40	31.40	.0	1
19	18.50	18.50	18.50	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	13.20	6.40	9.72	2.8	6
24	21.40	13.30	17.35	5.7	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	13.50	10.90	12.20	1.8	2
27	32.90	19.50	24.30	7.5	3
28	27.00	27.00	27.00	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	14.90	8.30	11.17	2.2	16
31	26.10	21.20	24.10	2.6	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	64.60	10.50	19.16	14.7	19
34	21.60	12.20	16.90	6.6	2
35	29.20	18.90	23.27	5.3	3
36	30.70	14.00	22.52	7.9	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	25.10	16.00	20.55	6.4	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	177.30	1.10	35.05	48.1	40
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	32.10	32.10	32.10	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	288.40	18.00	76.95	87.9	11
23	180.60	10.20	66.78	69.8	5
24	14.50	14.50	14.50	.0	1
25	134.80	18.60	71.12	61.2	4
26	17.10	11.60	14.35	3.9	2
27	17.20	17.20	17.20	.0	1
28	46.50	46.50	46.50	.0	1
29	29.70	4.00	17.16	9.0	8
30	35.20	9.40	22.84	11.6	5
31	22.80	21.80	22.30	.7	2
32	24.60	21.40	23.00	2.3	2
33	22.20	7.00	14.14	3.6	25
34	22.90	22.90	22.90	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	29.50	29.50	29.50	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	18.60	15.90	17.25	1.9	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	72.20	72.20	72.20	.0	1
17	18.00	.30	6.16	6.1	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	311.60	.00	155.80	220.3	2
20	102.40	21.10	43.74	33.7	5
21	-99.99	-99.99	-99.99	-99.9	-99
22	126.30	6.40	31.56	30.1	27
23	2.50	2.50	2.50	.0	1
24	98.60	98.60	98.60	.0	1
25	11.50	4.30	8.82	3.3	5
26	28.10	28.10	28.10	.0	1
27	31.10	10.30	21.32	8.6	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	17.50	4.40	11.31	3.9	20
30	-99.99	-99.99	-99.99	-99.9	-99
31	23.00	7.50	14.34	6.4	7
32	36.90	13.50	21.50	13.3	3
33	30.80	4.50	15.44	6.6	39
34	30.80	28.10	29.45	1.9	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	23.60	10.00	16.80	9.6	2
37	23.40	6.80	16.59	4.7	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.10	4.10	4.10	.0	1
41	22.80	20.40	21.60	1.7	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	27.70	9.00	15.87	5.3	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	44.90	4.90	21.24	11.8	11
23	13.90	1.20	5.92	4.9	5
24	12.20	9.90	11.05	1.6	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	17.50	17.50	17.50	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	15.50	2.80	8.65	4.4	10
30	4.50	1.70	2.73	1.5	3
31	22.50	7.80	14.77	5.6	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	25.80	6.40	14.51	5.4	28
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	6.30	1.10	4.17	2.2	4
39	3.50	2.60	3.05	.6	2
40	23.30	2.30	8.51	7.2	10
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 3a

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99. ?9	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.24	.02	.24	.3	31
18	1.28	1.06	1.?.7	●	2 2
19	1.80	.34	.88	.6	5
20	6.05	.38	2.54	1.6	14
21	●67	.67	.67	.0	1
22	.38	.38	.38	.0	1
23	.52	●I7	.35	.1	17
24	1.34	.50	●QB	.4	4
25	-99.99	-99*99	-99.99	-99.9	-99
26	.38	●31	.34	.0	4
27	.46	.02	.28	.2	3
28	.75	●75	.75	● 0	2
29	●4(1	.40	.40	.0	1
30	1.11	.21	●36	.2	23
31	-99.99	-99.99	-99.99	-99.9	-99
32	●97	.66	.81	●	? 2
33	6.90	.92	1.13	1.3	148
34	●83	.29	●54	●2	5
35	●9Z	.58	.80	● Z	4
36	.76	.54	.67	.1	3
37	-99.99	-99*99	-99*99	-99.9	-99
38	1.43	1.43	1.43	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	.37	.37	.37	.0	1
41	.02	.02	● O2	.0	1
42	9.19	.20	2.88	4.2	4

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	14.83	14.83	14.83	.0	1
16	-99.99	-99*Q9	-99*99	-99.9	-99
17	35.24	.03	7.84	8.8	123
18	11.00	4.75	7*34	3.0	4
19	5.09	.93	3.01	2.9	2
20	32.90	.18	7.16	7.8	67
21	-99.99	-99,99	-99.99	-99.9	-99
22	1.51	●4R	.91	●3	18
23	3.93	.61	2,01	1.7	3
24	14.05	.65	5.16	7.7	3
25	.82	.28	.50	.2	4
26	-99.99	-99.99	-99.99	-99*9	-99
27	1.43	.36	●93	●4	8
28	.75	.45	.55	.2	3
29	3.29	.28	●53	.6	22
30	4.31	.20	.96	1.0	16
31	1.24	.00	● 6O	.3	16
32	1.62	●n7	.60	.5	9
33	38.20	.08	2.04	3.9	220
34	1.69	.66	1.13	.4	4
35	8.56	.79	3.68	3.6	5
36	2.85	●49	1.10	1.0	5
37	1.72	.56	1.24	.4	9
38	1.92	1.92	1.92	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99*9	-99
41	1.38	1.28	1.38	.0	1
42	-99.99	-99.'99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	20.58	20.58	20.58	.0	1
16	3.38	.87	2.15	1.3	3
17	11.71	.00	2.14	3.0	50
18	-99.99	-99.99	-99.99	-99.9	-99
19	8.43	.00	3.66	4.3	3
20	14.73	●00	2.81	3.1	82
21	-99.99	-99.99	-99.99	-99.9	-9's
22	9.97	●25	2.28	2.3	80
23	10.15	,42	3.09	3.0	1.3
24	8.77	.26	2.56	4.1	4
25	1.23	.37	.70	.3	14
26	-99.99	-99.99	-99.99	-99.9	-99
27	12.55	.08	6.31	8.8	2
28	1.01	1.01	1.01	.0	1
29	4.4?	.14	.93	●?	62
30	5.80	●25	1.79	2.3	5
31	4.41	●34	1.34	1.4	7
32	1.90	.38	1.34	.8	3
33	26,36	.05	3,37	5.8	198
34	2.39	1.16	1.71	.6	?
35	-99.99	-99.99	-99.99	-99.9	-99
36	1.74	.17	.83	.8	3
37	1,02	.34	.68	.3	4
38	1.94	.12	.72	●4	14
39	.93	● 35	● 64	●4	2
40	1.39	●31	.97	.5	5
41	-99,99	'9'9.99	-99.99	-99.9	'99
42	-99.99	-99.'?9	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	7.83	.06	2.01	1.4	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	2.06	●05	.77	.8	6
20	4.23	.17	1.78	1.3	16
21	-99.99	-99*99	-99*99	-99.9	-99
22	4.92	.19	1.53	1.0	52
23	●52	.11	.29	● ?	8
24	1.12	.22	.86	●3	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	1.75	.04	.90	.8	4
28	-99.99	-99.99	-99.99	-99.9	-99
29	1.26	.05	●66	*3	19
30	1.02	.03	.42	.3	16
31	1.63	1.13	1.38	.2	5
32	●A0	●13	.21	.1	2
33	20.01	.00	2.63	3.4	196
34	-99.99	-99.99	-99.99	-99.9	-99
35	.03	.03	.03	●0	1
36	-99*99	-99*99	-99.99	-99*9	-99
37	.46	.18	,32	.2	2
38	1.26	.37	.79	●3	9
39	-99.99	-99.99	-99.99	-99*9	-99
40	.91	.52	.71	"*3	2
41	.03	●C3	● O?	.0	1
42	.04	.04	.04	.0	1

TABLE 3b

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 30.0-25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.99	.00	.14	.2	17
18	.84	.84	.84	.0	1
19	.71	.35	.53	.3	2
20	2.97	.00	●99	1.7	3
21	-99.99	-99*9?	-99*99	-fig.~	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	.25	.03	*15	.1	0
24	.99	.67	.83	.Z	?
.25	-99.99	-99.99	-99*99	-99.9	-99
26	,24	.17	.20	.0	4
27	,60	.6C	.60	.0	1
28	●58	.58	.58	●	O 1
29	-99.99	-99.99	-99.99	-99.9	-99
30	*34	.04	.20	.1	??
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	1.06	●91	.20	.3	30
34	.38	●3$3	.38	.0	1
35	.46	,16	●34	.7	3
36	.56	.35	●45	●	I ?
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-?9.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99*99	-99.9	-99
17	9.33	.01	.99	1.9	52
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99*99	-99*99	-99,9	-99
20	6.55	.08	1.26	1.9	13
21	-99.99	-99.99	-99.99	-99*?	-99
22	.74	*23	.52	.2	8
23	-99.99	-99.99	-99.99	-99.9	-99
24	,52	●52	.52	.0	1
25	.75	●20	.47	.3	4
26	-99.99	-99.99	-99,99	-99*9	-99
27	●a3	●31	.62	.4	2
28	.89	.89	.89	.0	1
29	.66	.24	.44	.1	11
30	.22	.00	.07	.1	6
31	.31	.00	.12	.1	6
32	,48	●07	.26	.2	3
33	3.67	.02	.50	.8	53
34	.86	●86	●86	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99*99	-99.9	-99
37	.63	.11	.24	.2	5
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-?9,9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99,99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.47	.05	●43	.7	12
18	-99*99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	2.92	●00	.32	●h	25
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.66	.14	1.21	1..2	31
23	-99.99	-99.?9	-99.99	-99.9	-99
24	.69	●45	.57	.2	2
25	●63	.24	.43	.2	4
26	-99.99	-99.?9	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
%9	1.61	.08	.61	.4	?1
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99*99	-99.9	-99
33	14.80	.00	2*92	3.7	59
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.'?9	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	1.06	.31	.69	.3	9
39	●72	.72	.72	.0	1
40	1.89	1.07	1.48	.6	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99*99	-99*99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	2.17	●01	.62	.7	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	.07	.07	●n7	.0	2
20	.23	.04	.12	.1	3
21	-99.99	-99.99	-99.99	-99*?	-99
22	1.2?	.04	.47	.4	11
23	.05	●0.3	.03	●0	2
24	●99	.01	.43	.5	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.85	.10	●47	.5	2
28	-99.99	-99*99	-99.99	-99.9	-99
29	.85	.08	●45	●	3 12
30	1.17	.28	.74	.4	4
31	1.28	.06	.3?	.6	4
32	-99.99	-99.99	-99.99	-99,9	-99
33	3.87	.00	.68	.9	45
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99*99	-99.9	-99
38	.75	.04	.30	.3	6
39	-99.99	-99.99	-99.99	-99.9	-99
40	●7Z	.72	.72	●	o 1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99*99	-99*9	-99

TABLE 3c

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 25.1-50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	●07	.00	.01	.0	15
18	.42	.05	.23	.3	2
19	●04	.04	.04	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	.08	.01	.03	.0	5
24	.17	.17	.17	.0	1
25	-99.99	-99,99	-99.99	-99.9	-99
26	.01	●01	.01	●9	2
27	,47	.26	.37	.1	2
28	.28	.02	.15	.2	2
29	-99*99	-99.99	-99.99	-99.9	-99
30	.05	.00	●03	.0	5
31	-99.99	-99,99	-99.99	-99.9	-99
32	-99.99	-99*99	-99.99	-59.9	-99
33	●45	●01	.23	● 2	5
34	.17	,01	.09	.1	2
35	●Qq	●0Q	.04	.0	3
36	.25	.04	.15	.1	4
37	-99.99	-99.99	-99.99	-99*9	-99
38	-99,99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99,99	-99.99	-99,99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	'SD	N
15	-99*99	-99.99	-99*99	-99*9	-99
16	-99.99	-99.99	-99*9?	-99*9	-99
17	.41	.00	.06	.1	19
18	-99.99	-99.99	-99.99	-99*9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99*99	-99.99	-99*9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.13	.04	.07	.0	6
23	-99.99	-99*99	-99.99	-99*9	-99
24	,25	.04	●I4	.1	"2
25	.15	.09	.12	.0	2
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99*9	-9Q
28	.66	.40	●53	.?	2
29	●4FJ	.08	●18	,2	4
30	-99.99	-99.99	-99.99	-99.0	-99
31	.23	.23	.23	.0	1
32	.12	.01	.06	.1	2
33	1.18	.00	.20	.3	19
34	.57	.11	,34	.3	2
35	-99.99	-99.99	-99.99	-99*9	-99
36	-99.99	-99*99	-99,99	-99.9	-99
37	-99.99	-99*99	-99.99	-99.9	-99
38	-99.99	-99.99	-99*99	-99.9	-99
39	-99.99	-99*99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99,99	'99*99	'99*99	'99.?	-99
42	-99,99	-99.99	'-99*99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.17	,03	.11	.1	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	'9'?
20	.84	.00	.08	.2	13
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.10	.00	●Z4	.3	18
23	-99*99	-99.99	-99.99	-99.9	-99
24	.11	.11	●II	.0	1
25	.16	●02	.09	.1	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.0	-99
29	.43	●00	.14	.1	17
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99*99	-99.9	-99
32	-99,99	-99,99	-99.99	-99.9	-99
33	6.98	.00	●72	1.4	29
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99s99	-99.99	-99.99	-99.9	-9?
38	.37	.34	.35	.0	?
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
47.	-99.99	-99.99	-99.'?9	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	2.37	.00	.32	.7	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99
20	.04	●04	.04	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	.20	●OI	.11	.1	6
23	-99*99	-99,99	-99.99	-99.9	'-99
24	●24	.02	.13	● 2	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	.06	.06	.06	.0	1
28	-99.99	-99.99	-99*99	-99.9	-99
29	.23	.03	.10	● 1	8
30	●Z1	.01	.08	.1	3
31	.04	.04	.04	.0	1
32	-99.99	-99.99	-99.99	-99.9	-99
33	5.00	●01	.67	1.2	17
34	-99.99	-99*99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99*99	-99*99	-99.9	-99
37	-99.99	-99.99	-99*99	-99.9	-99
38	-99.99	-99*99	-99*99	-99.9	-99
39	-99.99	-99.99	-99.99	-99*9	-99
40	●I2	●03	.07	.1	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99*9	-99

TABLE 3d

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 50.1-100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.02	.00	.01	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	.05	.01	.03	.0	6
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.36	.00	.06	.1	12
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.70	.02	.36	.5	2
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.02	.01	.02	.0	9
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	.05	.05	.05	.0	9
29	.09	.09	.09	.0	9
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-96
33	.65	.00	.07	.2	19
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.73	.01	.14	.3	7
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.02	.00	.01	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.47	.00	.08	.1	11
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4

TOTAL PRODUCTIVITY (MG/M**2/DAY) 1958 - 1.974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	335.20	[illegible]	39.22	97.5	13
18	357.50	357.50	357.50	.0	1
19	232.00	232.00	232.00	.0	1
20	-99*99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	8.80	5.00	7.12	1.5	6
24	292.40	292.40	292.40	.0	1
25'	-99.99	-99.99	-99.99	-99.9	-99
26	9.10	8.50	8.80	.4	2
-27	227.90	227.90	227.90	.0	1
28	274.60	274.60	274.60	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	14.60	5.00	9*48	2.9	12
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.'?9	-99.99	-99.9	-99
33	70.50	32.40	50.73	15.1	6
34	176.30	176.30	176.30	.0	1
35	232.20	140.30	1°6.25	65.0	2
36	236.20	171.90	204.05	45.5	2
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	253.30	1.30	70.15	73*9	38
18	199.60	173.40	186.50	18.5	2
19	-99,99	-99.99	-99,99	-99.9	-99
20	148.00	148.00	148.00	.0	1
21	-99.99	-99*99	-99*99	-99.9	-99
22	22.30	13.40	18.12	3.3	6
23	-99.99	-99.99	-99.99	-99.9	-99
24	259.10	259.10	259.10	.0	1
25	16.60	15.90	16.25	.5	2
26	-99.99	-99.99	-99.99	-99.9	-99
27	377.50	??45'2	377.50	.0	1
28	442.80	442.80	442.80	.0	1
29	260.00	20.70	94.90	111.8	6
30	94.00	94.00	94.00	.0	1
31	183.00	77.00	130.00	75.0	?
32	242.00	242.00	242.00	[illegible]	1
33	137.50	9*60	78.11	44.7	8
34	410.30	410.30	410.30	.0	1
35	-99*99	-99.99	-99.?9	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	276.00	276.00	276.00	.0	1
38	-99.99	-99.99	-99.99	-99*9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99*9	-99
41.	-99.99	-99.99	-99.99	-99.9	-99
42	18.60	15.90	17.25	1.9	2

SUMMER

15	-99.99	-99.99	-99.99	-99.9	-99
?.6	-99.99	-99.99	-9?.99	-99.9	-99
17	67.40	.80	23.15	23.8	13
18	-99.99	-99*?9	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	144.10	5.60	39.42	33.0	23
23	-99,99	-99.99	-99.99	-99.9	-99
.24	-99.99	-99.99	-99.99	-99.9	-99
25	17.60	8.30	13.20	3.8	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	41.10	7*40	18.28	11.4	19
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99,99	-99.99	-99.99	-99.9	-99
33	810.20	55.00	284.91	186.6	14
34	-99.99	-99*?9	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99,99	-99*99	-99.9	-99
38	-99.99	-99*99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	22.80	20.40	21.60	1.7	2
42	-99.99	-99,99	-99.99	-99.9	-9'?

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99*9	-99
17	103.50	9.80	33.57	26.0	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99[illegible]QQ	-99.99	-99.99	-99.9	-99
21	-99.99	-99*99	-99.99	-99.9	-99
22	65.10	12.20	26.55	15.9	10
73	-99.99	-99.99	-99.99	-99.9	-9?
24	310.60	270.00	290.30	28.7	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99*9	-99
27	?60,50	260.50	260.50	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	25.50	11.10	16.62	6.1	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	314.40	237.20	275.80	54.6	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	129.70	42.00	92.02	29.'?	12
34	-99.99	-99.99	-99.99	-99,9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99*99	-99.9	-99
37	-99*99	-99.99	-99.99	-99.9	-99
38	17.30	10.30	12.97	3.8	3
39	-99.99	-99.99	-99.99	-99.9	-99
40	212.80	212.80	212.80	.0	1
41	-99.99	-99.99	-99*99	-99*9	-99
42	-99.99	-99*99	-99.99	-99.9	-99

TABLE 5a

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	11.90	11.90	11.90	.0	1
16	-'?9.99	-99.99	-99.99	-99.9	-99
17	15.90	10.50	11.91	1.1	57
18	15.00	14.60	14.80	.3	2
19	14.70	8.40	10.87	2.2	9
20	25.60	3.30	13.36	8.7	23
21	-99,99	-99,99	-99.99	-99.9	-99
22	19.90	16.50	17.72	1.3	6
23	20.80	6.10	14.45	4.1	19
24	20.90	1,6.90	18.23	1.4	7
25	-99.99	-99.99	-99.99	-99.9	-99
26	16.20	7.30	12.74	4.3	5
27	23.50	14.00	18.51	3.3	12
28	22.80	11.40	18.84	3.7	7
29	17.30	16.20	16.67	.6	3
30	18.40	5.20	12.80	3.0	27
31	18.00	6.90	12.91	3.5	11
32	14.70	6,30	10.63	3.0	7
33	20.60	1.10	13.15	3.5	31
34	18.60	13.00	15.59	1.6	13
35	17.40	14.40	16.23	1.1	6
36	14.70	8.10	11.77	2.2	15
37	11..40	7.90	9.72	1.4	4
38	3.80	3.80	3.80	●C	1
39	4.50	4.50	4.50	● 0	1
40	6.00	3.00	4.16	I*3	7
41	-99*9?	-99.99	-99.99	-99.9	-99
42	9.00	1.70	5.34	2.8	7

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	11.10	11.10	11.10	● O	1
14	-99.99	-99*99	-99*99	-99*9	-9?
2.7	20.50	.00	4.46	7.5	218
18	-99*99	-99.99	-9?*99	-99.9	-9?
19	40.30	1.60	8.81	9.5	14
20	24.30	.00	7.51	5.9	61
21	-?9.99	-99.99	-99.99	-99.9	-99
22	31.80	7,80	16.37	5.8	27
23	33,30	.20	15.38	5.7	26
24	44.60	6.90	19.06	10.1	10
25	20.80	6.90	17.05	4.7	20
26	19.00	19.00	19.00	.0	2
27	3'4.50	11.80	18.81	4.9	22.
28	30.10	14.40	20.58	4.8	13
29	21,50	1.40	17.29	4.3	71.
30	20,30	.40	14.48	3.3	73
31.	19.30	7.90	14.46	2.3	68
32	17.40	7*70	12*20	2*0	50
33	27.20	2.10	13.95	4.4	61
3.4	23.40	9.80	15.40	3.8	"24
35	-99,99	-99*99	-99.99	-99.9	-99
36	62.20	4*40	13.88	12.5	19
37	13.70	2.70	8.80	2.2	56
38	10.30	10.30	10.30	.0	1
39	-9'7.99	-99*99	-99.99	-99.9	-99
40	10.10	10.10	10.10	.0	1
41	4*40	3.00	3.86	.5	5
42	12.70	3.50	6.55	2.8	11

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	7.60	1.60	4.60	4.2	2
16	.40	.40	.40	.0	1
17	3.30	.00	1.28	1.1	49
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.60	.00	2.63	2.3	7
20	22.60	.00	4.43	5.5	110
21	-99.99	-99.99	-99.99	-99.9	-99
22	25.20	2.70	12.04	6.6	45
23	13.60	.70	6.60	4.7	13
24	9.50	5.10	7.36	2.1	5
25	18.10	11.40	14.40	2.9	7
26	21.50	6.30	16.43	8.8	3
%7	21.60	8.80	17.27	4.2	20
28	21.20	12.90	17.10	4.3	4
29	18.10	4.50	11.46	4.1	28
30	13.00	5.30	9.45	2.1	12
31	18.20	7.70	11.60	3.0	18
32	11.60	.00	5.02	4.5	18
33	30.00	.00	8.02	5.4	73
34	17.40	3.30	11.68	3.8	17
35	-99.99	-99.99	-99.99	-99.9	-99
36	12.30	.80	6.19	3.7	11
37	9.40	.00	4.91	2.7	36
38	7.10	6.70	6.90	.3	2
39	6.60	6.60	6.60	.0	1
40	6.70	2.60	4.83	2.1	3
41	.20	.00	.12	.1	5
42	4.50	1.10	2.80	2.4	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99*99	-99.9	-99
17	15.00	.30	2.3.4	2.3	52
18	-99*99	-99.99	-99.99	-99.9	-99
19	1.40	1.40	1.40	.0	1
20	23*1O	.20	8.20	9.9	6
21	-99.99	-99.99	-99.99	-99*9	-99
22	19.70	6.70	14.82	5.2	5
23	-99.?9	-99*99	-99.99	-99.9	-99
24	8.00	6.50	7.22	.8	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	8.80	2.60	6.73	3.6	3
28	-99.99	-99*99	-99.99	-99.9	-99
29	17.00	3.00	11.03	5.3	6
30	-99*99	-99.99	-99.99	-99.9	-99
31	19.60	1.60	7.09	4.1	13
32	-99.99	-99*99	-99.99	-99.9	-99
33	11.20	1.10	7.85	2.4	59
34	-99*99	-99.99	-99.99	-99.9	-99
35	3.10	3.10	3.10	.0	1
36	-99.99	-99.99	'9'?*9Q	'99a	-99
37	1.70	1.70	1.70	.0	1
38	● 60	.00	.25	.3	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	● !)C	.00	.00	.0	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 5b

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	16.10	10.80	12.26	1.4	26
18	15.20	15.20	15.20	.0	1
19	14.40	14.10	14.25	.2	2
20	26.10	24.20	25.17	1.0	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	17.40	12.00	15.27	1.8	9
24	16.80	16.70	16.75	.1	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	13.90	5.60	10.37	3.5	4
27	19.20	19.20	19.20	.0	1
28	18.20	18.20	18.20	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	18.60	9.80	13.50	2.2	23
31	14.00	8.00	11.00	4.2	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	20.50	9.80	12.84	2.3	17
34	17.00	15.50	16.47	.8	3
35	16.50	14.60	15.27	.9	4
36	14.20	12.70	13.52	.7	5
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.00	4.00	4.00	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	20.60	.00	6.34	7.6	75
18	-99.99	-99.99	-99.99	-99.9	-99
19	4.80	4.80	4.80	.0	1
20	24.90	5.60	15.91	8.6	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	11.40	8.00	9.45	1.6	4
23	19.10	10.70	16.24	3.4	5
24	20.90	20.90	20.90	.0	1
25	15.10	6.90	9.20	3.9	4
26	19.00	19.00	19.00	.0	1
27	18.60	18.50	18.55	.1	2
28	20.00	20.00	20.00	.0	1
29	19.20	14.20	16.47	2.5	3
30	17.90	10.40	15.02	3.2	4
31	16.20	11.30	14.50	2.8	3
32	14.40	10.10	12.42	1.8	4
33	22.30	2.70	12.02	4.5	17
34	14.20	9.40	11.80	3.4	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	10.20	6.20	8.10	2.0	3
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	3.20	3.20	3.20	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.50	.00	.19	.2	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	25.60	.00	11.74	7.8	37
21	-99.99	-99.99	-99.99	-99.9	-99
22	24.70	5.70	16.58	5.4	11
23	-99.99	-99.99	-99.99	-99.9	-99
24	9.60	9.60	9.60	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	21.50	21.50	21.50	.0	2
27	21.30	18.40	19.82	1.0	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	14.00	4.10	9.05	7.0	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	18.50	18.50	18.50	.0	1
32	7.40	.00	2.49	3.4	7
33	25.50	.90	7.52	5.7	33
34	17.50	14.30	16.37	1.8	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	9.30	2.20	4.70	2.2	12
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.30	.00	.18	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.80	1.40	2.80	.8	25
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	25.20	25.20	25.20	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	23.50	6.40	14.95	12.1	2
23	-99.99	-99.99	-99.99	-99.9	-99
24	8.00	6.50	7.27	.8	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	9.50	8.80	9.15	.5	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	13.60	8.00	10.72	2.9	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	8.20	1.50	5.76	2.1	8
32	-99.99	-99.99	-99.99	-99.9	-99
33	11.30	3.10	7.61	2.2	23
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.50	.00	.25	.3	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 5c

NITRATE (NO3) (MICROGRAM-AT/L) 1.958 -1974 25.1- 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	22.50	10.70	12.84	2.2	35
18	15.60	15.50	15.55	.1	2
19	14.20	14.20	14.20	.0	1
20	26.10	23.30	24.80	1.2	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	16.90	4.00	10.67	6.7	4
24	15.30	15.30	15.30	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	9.90	8.60	9.25	.9	2
27	21.50	14.00	18.87	4.2	3
28	20.50	20.30	20.40	.1	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	16.90	10.30	14.02	2.4	5
31	14.00	8.00	11.00	3.0	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	15.20	10.70	12.27	2.1	4
34	16.90	12.20	14.73	2.4	3
35	17.40	13.90	16.34	1.4	5
36	14.60	11.10	13.59	1.2	7
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.00	3.00	3.50	.7	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	20.70	.80	10.73	7.1	86
18	-99.99	-99*99	-99.99	-99.9	-99
19	5.80	5.80	5.80	●?	1
20	27.30	5.20	18.80	" 9.8	11
21	-99*99	-99.99	-99.99	-99.9	-99
22	22.90	8.20	12.77	4*7	9
23	19.10	11.20	16.47	2.8	9
24	16.40	16.20	16.30	.1	2
25	17.40	7.50	1.2.27	4.5	6
26	19.00	18.80	18.90	.1	3
27	18.20	18.20	18.20	.0	1
28	20.30	20.30	20.30	.0	2
29	20.00	16.10	18.01	1.6	8
30	17.80	10.30	14.81	2.8	8
31	16.20	11.60	14.62	2.1	6
32	14.40	10.30	12.59	1.8	7
33	15.60	4.00	11.77	4.2	6
34	14.40	10.70	12.80	7.*9	3
35	-99.99	-99.99	-99*99	-99.9	-99
36	-99.99	-99.99	-99,99	-9?,9	-99
37	10.30	6.50	8.66	1.6	5
38	-99.99	-99,99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	3.00	3,00	3.00	.0	1
42	9,00	4.70	6.85	3.0	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-?9.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	3.00	.60	1.50	1*3	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	37.00	.60	16.09	9.0	39
21	-99.99	-99.99	-99.99	-99.9	-99
22	25.30	4.10	16.30	6.4	24
23	16.90	16.90	16.90	.0	1
24	15.10	15.10	15.10	.0	1
25	21.90	18.30	19.60	1.6	4
26	23●60	21.50	21.53	.1	3
27	21.30	11.30	19.33	2.2	19
28	-99*99	-99.99	-99.99	-99.9	-99
29	22.20	5.30	13.42	5.7	14
30	-99*99	-99.99	-99*99	-99.9	-99
31	18.80	18.60	18.70	.1	3
32	8.50	.80	3.90	3.3	8
33	16.10	1.60	8.49	4.5	34
34	17.60	14.30	15.68	1.7	5
35	-99.99	-99.99	-99.99	-99.9	-99
36	7.20	7.20	7.20	,0	1
37	11.50	2.50	5.58	2.4	30
38	-?9.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99*9	-99
41	.70	.30	●50	.2	6
42	-99.99	-99.99	-99.99	-99.9	-?9

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.?9	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	21●30	3.30	6.05	3.8	29
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99*99	-99*99	-99.9	-99
20	29,90	27.00	27,97	1.3	4
21	-99.99	-99.99	-99.99	'-99.?	-99
22	17.00	6.60	12.23	5.3	3
23	-99.99	-'3$2.99	-99.99	-99.9	-99
24	21.00	9.70	14.37	4*0	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99,99	-99.99	-99.99	-99.9	-99
27	17.70	11.10	14.20	3.3	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	16.00	9.60	12.80	4*5	2
30	-99*99	-99.99	-99.99	-9?*9	-99
31	14.60	1.90	8.89	3.6	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	14.60	5*50	9.54	2.9	9
34	-99.99	-99*99	-99.99	-99,9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99*99	-99.99	-99.99	-99.9	-99
38	7.50	3*70	5.60	2.7	2
39	-99.99	-99.99	-99,99	-99.9	-99
40	2.50	.00	.64	1.0	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99,99	-99*99	-99.9	-99

TABLE 5d

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99,99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	25.10	11.60	15.73	3*7	25
18	22.10	14.40	18.25	5.4	2
19	26.20	14.60	20.40	8.2	2
20	26.20	23.40	25.27	1.6	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99*99	-99.99	-99.9	-99
24	16.60	13.90	15.25	1.9	2
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	22.10	14.00	19.08	3.6	6
28	21.50	18.90	20.20	1.8	2
29	-99*99	-99.99	-99.99	-99.9	-99
30	15.50	9.10	12.42	2.1	6
31	14.00	8.00	10.90	2.2	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	21.00	10.60	14.46	3.2	20
34	16.90	15.80	16.10	●5	4
35	19.40	14.80	17.42	1.7	5
36	26.90	12.20	15.69	4.6	8
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99*99	-99.99	-99.9	-99
40	5.00	3.00	4.00	1.1	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	20.90	2.10	17.18	3.6	7 7
18	-99.99	-99.99	-99.99	-99.9	-99
19	10.40	10.40	10.40	.0	1
20	28.00	5.40	20.28	9.9	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	35,2(-I	17.00	23.46	6.8	9
23	26.70	16.40	19.50	3.4	9
24	18.40	18.40	18.40	.0	1
25	29.20	18.50	22.20	4*1	6
26	22.80	18.80	20.27	2.2	3
27	19.20	18.60	18.90	●4	2
28	20.30	18.10	?.9.57	1.3	3
29	21.90	16.50	18.65	2.1	8
30	18.00	10.40	14.89	2.8	8
31	17.00	12.20	15.08	2.2	6
32	16.70	10,70	13,60	2.3	8
33	21.60	2.40	13.57	4.1	24
34	14.70	11.90	14.00	1.4	4
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	10.70	7.40	9.12	1.4	6
38	-99.99	-99.99	-99.99	-99*?	-99
39	-99.99	-99*99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	4.30	3.70	4.00	.4	2
42	15.00	5.80	10.40	6.5	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	27.30	3.40	14.63	8.8	19
21	-99.99	-99.99	-99.99	-99*9	-99
22	32.10	7.00	20.70	6.5	13
23	27.60	27*60	27.60	.0	1
24	-99.99	-99.99	-99.99	-99.9	-99
25	22.60	22.60	22.60	.0	1
26	34*4O	21.50	25.80	7.4	3
27	35.60	18.40	22.56	5.15	19
28	-99.99	-99.99	-99.99	-99.9	-99
29	16.30	10.80	13.46	2.4	7
30	-99*99	-99.99	-99.99	-99.9	-99
31	23.50	18.80	20.40	2.7	3
32	12.10	1.30	6*39	4.1	7
33	32.40	.9(?	12*1O	5.8	53
34	20.80	14.60	17.12	2.1	6
35	-99.99	-99.99	-99.99	-99.9	-9'9
36	9.90	9090	9.90	.0	1
37	14*3O	3.70	7466	2.7	28
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-Gel.qq	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-9?
41	3.10	1.00	2.00	● 9	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99999	-99.99	-99*Q	-99
17	25.30	5.80	10.51	5.5	18
18	-99.99	-99.99	-99.99	-99.9	-9Q
19	-99.99	-99.99	-99.99	-99.9	-99
20	28.20	24.40	27.15	1.8	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	29.00	6.10	18.92	9.5	4
23	-99.99	-99.99	-99.99	-99.9	-99
24	32.30	15.90	23.90	7.9	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99s99	-99.99	-99.99	-99.9	-99
27	22.20	20.00	21.10	1.6	2
28	-99.99	-99*9Q	-99.99	-99.9	-99
29	18.00	3.10	10.62	5.2	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	18.90	3.30	12.83	4.3	16
32	-99.99	-99.99	-99.99	-99*?	-99
33	27.70	6.40	14.50	3.7	28
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99●99	-99.99	-99.99	-99.9	-99
37	-99.99	-99*9Q	-99.99	-99.9	-99
38	13.00	●20	7,92	5.5	4
39	-99.99	-99.99	-99.99	-99,9	-99
40	6.60	1.70	4.79	1.9	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	'99.99	-99.99	-99.99	-99.9	-9'?

TABLE 5e

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.'79	-99.9	-99
16	-99.99	-99.99	-?9.99	-99.9	-99
17	32.00	16.10	20.71	6.1	10
18	%9.40	26.10	27.75	2.3	2
19	30.30	30.30	30.30	0	1
20	26.40	26.40	26.40	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	24.10	16.40	20.25	5.4	2
25	-99.99	-99.99	-?9.99	-99.9	-99
26	-99.99	-99*99	-99.99	-99.9	-99
27	39*10	23.00	30.35	6.7	4
28	39.80	30,70	35.25	6.4	2
29	-99*99	-99.99	-99.99	-99*9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
37.	24.00	14.00	17.67	3.5	6
32	-99.99	-9?.99	-99.99	-99.9	-99
33	48.20	13.70	22.66	7,7	18
34	24.00	24.00	24.00	.0	1
35	29.60	19.40	25.75	4 . 4	4
36	32.10	27.80	30.27	2.0	4
37	-99.99	-99*99	-99.99	-99*9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	12.00	4.00	7.20	3.1	5
41	-99.99	-99.99	-99.99	-99,9	-99
42	-99.99	-99*99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	21.30	17*7O	19.61	1.0	27
18	-99.99	-99.99	-99.99	-99*9	-99
19	23.50	20.90	22.20	1.8	2
20	23.60	23.60	23.60	O	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	40,30	20.10	33.62	7.2	6
23	42.30	27.90	33.93	5.1	6
24	22.60	19.70	21.15	2*1	2
25	40.90	29.40	35.07	4.8	4
26	41.00	36.10	38.55	3.5	2
27	18.80	18.60	18.70	.1	2
28	38.40	28.40	33.40	7.1	2
29	41.20	16.60	27.08	9.2	6
30	22.10	16.00	19,44	2.4	5
31	29.90	16.60	25.13	7.4	3
32	28.80	12.60	18.37	7.2	4
33	51.50	10.30	21.92	11.5	18
34	43.10	16.20	28.67	11.1	4
35	-99.99	-99.99	-99,99	-99*Q	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	22.50	17*3O	19.90	2.6	3
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	9.10	9.10	9.10	.0	1
42	-99.99	-99.99	-99.99	-99*9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99*99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	29.70	10.60	19.80	5.4	10
21	-99*99	-99,99	-99.99	-99.9	-99
22	29.00	14.20	22.98	6.1	5
23	23.00	23*00	23.00	.0	1
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	46.10	43.30	44.70	2.0	2
?7	43.30	28.90	38.26	3.8	13
28	-99.99	-99.99	-99.99	-99.9	-99
29	22.00	17.00	19.50	3.5	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	38.60	35.90	37.25	1.9	2
32	21.90	13.80	17.62	3.4	4
33	39.30	2.30	23.63	7.2	44
34	35.60	18.50	29.20	7.5	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	22.20	22.20	22.20	.0	1
37	29.10	8.20	1.6.91.	5.6	19
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	11.30	11.00	1s,15	.2	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	18.90	11.70	15.20	3.5	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99,99	-9?,9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	28.90	8.40	18.65	14*5	2
23	-99.99	-99.99	-99.99	-99.9	-99
24	48.00	22.20	36.05	11.4	4
25	-99.99	-99.99	-99*99	-99*9	-99
26	-99.99	-'79.99	-99.99	-99.9	-99
27	36.30	28.40	32.35	5.6	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	36.20	9.40	20.87	13.8	3
30	-99.99	-99.99	-99.99	-99.9	-99
31	28.30	15.80	21.36	4*3	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	36.90	12.20	23.81	6.4	26
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.9?	-99.99	-99*9	-99
36	-99,99	-99.99	-99.99	-99.9	-99
37	-9?.99	-99.99	-99*99	-99.9	-99
38	13.00	3.90	9.80	4.2	4
39	-99.99	-99.99	-99*99	-99.9	-99
40	11.90	6.50	10.03	3.1	3
41	-99.99	-99*99	-99*99	-99.9	-99
42	-99.99	-99,99	-99.99	-99*9	-99

TABLE 5f

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	22.70	11.30	18.77	3.5	7
18	-99.99	-'?9.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.$)9	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-9?
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-9?
26	-99.99	-99.99	-99.99	-99.9	-99
27	35.00	32.00	33.00	.9	8
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	41.00	19.00	32.15	6.0	26
32	-99.99	-99.99	-99.99	-99.9	-99
33	61.20	20.30	32.37	11.0	18
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-'?9.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99*9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	42.00	10.00	26.59	10.9	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	24.10	17.70	20.40	1.5	33
18	-99.99	-99.99	-99.99	-99.9	-99
19	42.70	26.40	38.58	6.1	10
20	28.00	26.60	27.30	1.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	44.10	38.70	40.83	2.9	3
23	47.10	39.90	42.70	3*9	3
24	-99.'99	-99.99	-99.99	-99,9	-99
25	43.90	39.80	41.85	2.9	2
26	44.40	44.40	44.40	.0	1
%7	-99.99	-99*99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	55.40	27.00	44.40	6.6	16
30	48.10	20.00	37.04	10.0	8
31	-99.99	-99.99	-99.99	-99.9	-99
32	43.80	27.00	40.59	4.6	16
33	57.50	13.00	31.96	11.8	15
34	43.10	32.30	40.79	3.6	8
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	43.10	31.50	40.74	3*2	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-?9.99	-99.99	-99.99	-99.9	-99
40	-99*Q9	-99.99	-99.99	-99.9	-99
41.	43.00	16.80	33.45	9.9	8
42	23.00	13.70	18.35	6.6	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	33*3O	19.40	25.70	5.9	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	31*4O	13.70	23.49	5.9	7
23	-99.99	-99.99	-99.99	-99.9	-94
24	-99.99	-?9.99	-99.99	-99.9	-99
25	21.90	21.90	21.90	.0	1
26	47.00	47.00	47.00	.0	1
27	44.70	41.50	43.12	1.4	6
28	-99.99	-99.?9	-99.99	-99.9	-99
29	36.40	7.80	24.18	10.4	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	41.00	41.00	41.00	.0	1
32	29.20	19.30	24.30	5.0	3
33	44.90	12.60	31.41	7.0	36
34	38.80	38.50	38.65	.2	7
35	-99*99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	31.00	14.10	23.70	6.4	9
38	-99.99	-99.99	-95.?9	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99,99	-99*99	-99.99	-99.9	-99
41	15.10	15.90	16.00	.1	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99,99	-99.99	-99.9	-99
2.6	-99.99	-99.99	-99.99	-99.9	-99
17	20.60	15.60	18.15	2.5	4
18	-99.99	-99.99	-99,99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99*99	-99,?	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	45.80	14.60	30.20	22.1	2
23	-99.99	-99*99	-99.99	-99.9	-99
24	49.00	39.10	44.05	7.0	2
25	-99.99	-9?.99	-99.99	-99,9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	42.00	42.00	42.00	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
79	30.40	16.20	21.17	8.0	3
30	-99.99	-99.99	-99.99	-99.9	-99
31	38.30	22.10	29.92	6.5	6
32	-99.99	-99*99	-99.9?	-99.9	-99
33	46.90	24.90	35.16	5.7	25
34	-99.99	-99*99	-99.99	-99.9	-99
35	-99.99	-99*99	-99*99	-99.9	-99
36	-99.99	-99.99	-99*Q9	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	9.70	6.60	8.15	2.2	2
39	-99.99	-99.99	-99.99	-99.9	-99
40	17.90	17.00	17.45	.6	2
41.	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 6a

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	14.30	14.30	14.30	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	25.00	12.90	15.45	2.5	57
18	13.40	12.70	13.05	.5	2
19	13.60	9.80	11.71	1*2	9
20	22.20	5.30	13.30	6.3	23
21	3.10	3.10	3.10	.0	1
22	20.90	17.50	18.93	1.5	6
23	19.90	13.70	16.97	2.0	19
24	20.50	15.20	17.60	1.8	8
25	-99.99	-99.99	-99,99	-99.9	-99
26	17.10	12.90	15.90	1.7	5
27	21.90	14.30	17.49	2.2	23
28	20.40	13.90	17.37	2.4	7
29	17.10	15.20	16.03	1.0	3
30	18.40	10.90	15.04	1.8	27
31	15.90	8.80	12.70	2.6	11
32	15.30	9.10	12.30	7.3	7
33	-99,99	-99.99	-99.99	-99.9	-99
34	17.70	14.10	15.51	1.0	13
35	14.40	11.70	13.58	1.1	6
36	15.30	8.80	12.73	1.8	15
37	12.40	10.70	11.67	.7	4
38	5.30	5.30	5.30	0	1
39	6.30	6.30	6.30	.0	1
40	8.10	4.20	5.97	1.3	7
41	2.70	2.70	2.70	.0	1
42	12.40	1.40	7.07	4.2	8

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	13.90	13.90	13.90	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	16.70	.00	4.94	5.6	217
18	-99.99	-99.99	-99.99	-99.9	-99
19	13.00	3,30	8.74	2.6	14
20	23.20	3.00	9,20	4.9	62
21	-99.99	-99.99	-99.99	-99.9	-99
22	27.20	5.10	15.93	5.4	49
23	19.80	2.90	13.03	4,2	31
24	18.40	5.60	14.98	3.5	10
25	18.90	6.80	11.89	3.8	2 4
26	15.70	10.20	13.22	2.0	5
27	22.40	11.00	16.61	2.4	21
28	21.10	11.30	17.68	3.0	13
29	19.30	2.70	13.56	3.1	81
30	18.60	1.40	11.49	3.8	78
31	17.60	4.30	12.25	3,4	68
32	20.00	4.50	11.18	3.2	50
33	12.50	6,60	9.22	1.8	14
34	19.50	4.90	14.45	3.1	24
35	-99.99	-99.99	-99.99	-99.9	-99
36	18.20	7,20	11.76	3.1	20
37	17.50	4.60	9.29	2.5	56
38	8.70	8.70	8.70	0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	10.80	10,80	10.80	I*O	1
41	8.70	7*40	7.76	.5	5
42	15.20	7.60	10.03	2.6	7

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	14.80	5.70	10.20	2.9	7
16	10.90	4.60	6.72	2.8	4
17	12.40	.00	1.83	2.9	54
18	22.40	10.80	14.92	3.7	8
19	7.90	2.50	5.34	2.1	7
20	21.40	.20	6.03	4.9	117
21	-99.99	-99*99	-99.99	-99.9	-99
22	25.10	6.20	15.14	4.9	67
73	13.50	4.40	7.74	3.0	21
24	12.80	3.20	8.39	2.3	15
25	23040	8.30	13.65	5.2	17
26	12.10	9*70	10.80	1.2	3
27	25.20	8.30	12.95	3.5	24
28	24.90	12.50	15.44	4.0	8
29	21.80	6.40	13*71	3.1	72
30	15.10	8.20	11.46	2.3	14
31	18.20	4.30	11.73	3.4	32
32	15.60	3.30	8.63	3.6	26
33	13.50	5.70	8.10	2.8	18
34	17.30	7.10	11.92	2.4	19
35	10.80	9.50	10.20	.6	4
36	16010	4.50	9.04	3.1	15
37	16,60	3.40	8.30	2.5	41
38	8.30	3.50	6.45	1.7	12
39	8,90	5.90	6.90	1.7	3
40	11.80	3.50	6.89	3.0	7
41	3.80	2.50	3*32	.6	5
42	18.10	8.40	13.25	6.0	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99,99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.20	.10	2.22	.?	51
18	-99.99	-99.99	-99.99	-99*9	-99
19	3.30	2.70	2.97	S	3
20	21.10	2.50	7.92	7.5	8
21	-99.99	-99*99	-99.99	-99.9	-99
22	18.80	12.00	14.83	2.6	13
23	-99.99	-99*99	-99.99	-99*9	-99
24	10.50	3*30	8.27	2.7	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	9.90	3.50	6.82	3.6	4
28	-99*99	-99.99	-99.99	-99.9	-99
29	15.80	4,20	9.28	3.5	13
30	13.20	5.00	10.28	3s2	5
31	22.50	7.00	9.66	4.0	3.3
32	4.50	3.50	4.00	.7	2
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99,99	-99.99	-99.9	-99
35	4.00	4.00	4,00	.0	1
36	-99.99	-99.99	-99.99	-99.9	-99
37	3.20	2.70	2.95	.4	2
38	5.70	1.70	3.00	1.8	6
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.60	2.00	2*93	.9	13
41	2.40	2,40	2.40	.0	1
42	1.70	1.70	1.70	.0	1

TABLE 6b

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99*99	-99*9	-99
16	-99.99	-99.99	-99*99	-99.9	-99
17	24.10	13.40	15.27	2.2	26
18	14.10	14.10	14*10	.0	1
19	13.80	13.70	13.75	.1	7
20	22.20	21.70	21.93	.3	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	17.90	14.10	16.20	1.3	8
24	17.40	14.60	15.70	I.*5	?
25	-99.99	-99.99	-99.99	-99.9	-99
26	17.50	13.70	15.87	1.7	4
27	17.70	16.90	17.30	.6	2
28	16,30	16.30	16.30	● O	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	18.40	12.00	15,93	1.5	24
31	13.80	9.10	11.45	3.3	2
32	-99*99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	16.80	14070	15.80	1.1	3
35	14.20	9,70	12.07	2.4	4
36	14.80	12.70	13.78	.9	5
37	-99*99	-99.99	-99.99	-99.9	-99
38	-99.99	"-5'9.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.40	4.40	4.40	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	16.60	1.30	?.97	5.5	7 6
18	-99.99	-99.99	-99.99	-99.9	-99
19	9.00	9.00	9.00	.0	1
20	23.50	5.40	16.41	6.7	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	22.70	6.50	14.46	4.8	18
23	12.70	3*3O	9.06	3.6	9
24	17.50	17.50	17.50	.0	1
25	19.00	6050	13.69	5.9	",8
26	14.00	11.50	12.60	1.3	3
27	16.40	16.30	16.35	● I	2
28	17,40	17.40	17*40	.0	1
29	16.60	10.20	14.44	2.0	11
30	17.30	7.50	11.77	4.0	8
31	15.30	8.50	12.30	3.5	3
32	14.30	4.90	10.82	4.1	4
33	7.00	7*00	7.00	● Q,	1
34	14.50	12.00	13.25	1.8 "'	2
35	-'29.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	10.00	6.70	8.47	1.7	3
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99*99	-99.99	-99,99	-99*9	-99
41	?*30	7.30	7*30	.0	1
42	-9'?,99	-99*99	-99*Q9	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	14.20	12.20	13.20	1.4	2
16	4.20	4.20	4.20	.0	1
17	15.20	1.20	3.87	4.6	15
18	14.60	13.50	14.00	.6	3
19	5.90	5.90	5.90	.0	1
20	22.50	2.80	12.75	5.8	41
21	-99.99	-99.99	-99.99	-99.9	-99
22	24.70	8.90	17.65	5.1	19
23	6.80	5.30	6.07	.3	3
24	10.50	4.20	7.13	2.2	6
25	14.40	8.50	10.70	2.7	4
26	13.10	12.90	13.00	.1	2
27	14.10	8.60	13.19	1.6	11
28	14.80	13.10	13.95	1.2	2
29	18.30	6.70	12.77	3.4	27
30	-99.99	-99.99	-99.99	-99.9	-99
31	18.20	4.10	9.72	4.0	11
32	11.30	3.90	7.74	2.5	11
33	11.30	5.90	7.60	1.8	9
34	12.30	11.40	11.97	.4	4
35	11.00	9.30	10.15	1.2	2
36	12.20	6.70	9.45	3.9	2
37	10.40	6.90	7.96	1.0	15
3a	7.00	3.80	5.57	1.5	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	8.30	2.90	5.60	2.5	4
41	4.30	2.90	3.68	.5	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.80	2.90	4.33	.7	24
18	-99099	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99*9	-99
20	24.10	21.20	22.65	2.1	2
21	-99,99	-99.99	-99.99	-99*9	-99
22	18.50	12,30	14.34	2.5	5
23	-99.99	-99.99	-99.99	-99.9	-99
24	10.00	8.10	9.00	1.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	10.60	10.20	10.40	● 3	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	15.80	5*7O	10.96	3.4	8
30	13.20	7.00	10.07	3.1	3
31	10.10	7.10	8,67	1.3	8
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99*99	-99*99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99,99	-99.99	-99.9	-99
37	-99.99	-99.99	-99,99	-99.9	-99
38	5.10	1.90	2.84	1.3	5
39	-99.99	-99.99	-99.99	-99.9	-9?
40	4.30	2.10	3.04	●E	7
41	-99.99	-99.99	-99.99	-99*9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 6c

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	29.70	13.40	16.28	3.4	35
18	14.50	14*4O	14.45	.1	2
19	14.00	14.00	14.00	.0	1
20	24.90	21.60	23.68	1.2	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	18.00	14.70	16.28	1.2	5
24	17.80	15,10	16.90	1.6	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	17.50	15.70	16.60	1.3	2
27	18.00	15.90	1743?	1.0	4
28	17.90	17.60	17.75	.2	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	17.90	11.20	15.14	2.5	5
31	14.00	9.10	11.63	2.5	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	15.40	13.50	14.47	1.0	3
35	14.40	12.40	13.66	.8	5
36	14.40	12.00	13.63	.8	7
37	-'?9.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.50	4.50	4.50	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	18.90	3.30	11.65	4.5	86
18	-99.99	-99.99	-99.99	-99.9	-99
19	8.49	8.40	8.40	.0	1
20	25.30	4.80	18.47	8*O	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	23,30	6.40	13.96	4.1	22
23	13040	4*QO	8.96	3.6	10
24	15.10	11.80	13.45	2.3	2
25	17.70	7.20	12.72	4.2	8
26	13.90	12.70	13.57	.6	4
27	16.20	16.20	16.20	● P	1
28	17.30	15.70	16.50	1*1	2
29	16.30	11.70	14.42	1.7	12
30	17.10	7.10	11.87	3.4	"12
31	15.40	8.80	12.10	2s9	6
32	14.50	5*3O	10.54	3.6	7
33	7,70	7.70	?.70	.0	1
34	14.00	12.60	13*43	● 7	2
35	-99*99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	10.00	6.20	8.22	1.8	5
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	6.90	6.90	6,90	.0	1
42	-99.99	-99.99	-99*99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	19.40	10.30	13.97	4.0	4
16	13.20	10.70	11.95	1.8	2
17	22.50	3.50	13.66	8.7	7
18	18.10	13.70	16.42	1.8	8
19	13.10	3.80	8.45	6.6	2
20	29.70	4.50	15.94	7.0	45
21	-99*99	-99.99	-99.99	-99.9	-99
22	27.80	5.60	18.20	5.4	34
23	15.90	5.00	10.87	3.6	7
24	14.80	5.30	10.26	3.1	10
25	27.10	10.40	17.63	5.7	9
26	13.50	13.40	13.47	*1	3
27	17.20	10.30	14.21	1.3	22
28	18.50	15.20	17.02	1.4	4
29	23.40	6060	14.71	3.2	50
30	8.30	8.30	8.30	.0	1
31	14.80	4.20	11.21	3.6	15
32	14.40	6.10	10.76	2.5	16
33	12.00	7.00	9.85	?.,?	21
34	14*4O	11.20	12.19	1.1	7
35	12.00	9*5O	10.93	1.3	3
36	12.60	7.10	10.04	2.4	5
37	13.40	6.90	9.08	1.6	36
38	10.00	4*OO	7.11	2.3	3
39	6.40	5.90	6.15	● 4	2
40	10.00	5.40	8.10	2.3	4
41	4.90	4.30	4.50	.3	6
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	19.80	3.80	7.36	3*3	28
18	-99.99	-99.99	-99*99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	25.50	21.80	23.67	1.5	4
21	-99.99	-99*99	-99.99	-99.9	-99
22	20.10	12.60	16.19	3.1	7
23	-99.99	-99.99	-99.99	-99.9	-99
24	16.90	11.40	13.67	1.9	6
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	16.20	12.30	14.20	2.0	3
28	-99.99	-99.99	-99*99	-99.9	-99
29	16.50	6.90	11.00	3,3	9
30	13.20	10.00	11.60	1.6	7
31	14.60	7.50	11.45	2.1	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99,9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	6.90	3*9Q	5.17	1.3	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	6.00	2.90	4.06	1.0	11
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 6d

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99,99	-99.99	-99*99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	33.60	10.60	18.66	5.9	25
18	18.10	13.50	15.80	3.3	2
19	21.00	14.00	17.50	4.9	2
20	24.60	23.90	24.13	●4	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	17.60	13.50	15.90	2.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.?9	-9?.99	-99.9	-99
27	19*70	15.90	17.82	1..2	9
28	17.90	17.50	17.70	.3	2
29	-99.99	-99*99	-99.99	-99.9	-99
30	18.60	13.20	15.43	107	7
31	13*90	8.90	11.37	2.1	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	15.80	15.00	1.5.47	.4	4
35	15.90	10.10	13.60	2.2	5
36	21.60	12.40	14.69	2.9	8
37	-99*99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.'99	-99.99	-9909	-99
40	6.40	4.30	5.38	1.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-'?9.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	20.20	6.10	15.96	2.2	76
18	-99.99	-99.99	-99.99	-99.9	-'?9
19	10.50	10.50	10,50	.0	1
20	25.40	7.70	19.52	7.0	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	22.50	12.30	16.13	2.5	15
23	14.?.0	4.60	10.02	3.4	11
24	12.20	12.20	12.20	'*CI	1
25	20.60	15.70	17.45	2.2	6
26	17.80	13.90	15.42	1.6	5
27	16.50	14.10	15.30	1.7	2
28	17.30	11.50	15.07	, 3*I'	3
29	3.7.60	12.10	15.30	2.0	12
30	15.90	7*10	11.26	3.0	12
31	15.80	8.80	12.00	3.0	6
32	15.60	5.10	11.04	, 4.2	8
33	8.80	8,20	8.50	.4	2
34	14.80	13.50	14.07	.6	4
35	-99.99	-99.99	-99*99	-99.9	-99
36	-99.99	-99*99	-99,99	-99.9	-99
37	11.80	6.30	9.08	2.4	6
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99*99	-99*9	-99
40	-99*99	-99.99	-99.99	-99.9	-99
41	8.60	8.40	8.50	.1	2
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99,9	-99
16	19.70	14.40	16.40	2.9	3
17	22.60	21.40	22.02	.6	4
18	18.60	15.10	17.09	1.3	8
19	-99.99	-99.99	-?9"99	-99.9	-99
20	23.10	7.20	14.02	4.9	16
21	-99.99	-99.99	-99.99	-99.9	-99
2?	27.60	12.40	?1.91	4.2	21
23	20.10	9.50	13.37	5.9	3
24	20.10	11.30	16.00	3*5	7
25	28.20	10.50	17.99	7.3	7
26	20.00	13.60	15.77	3*7	3
27	23.80	13.40	16.43	3.5	21
28	-99.99	-99.99	-99.99	-99.9	-99
29	21,30	8.70	15.94	2.9	44
30	10.00	10.00	10.00	.0	1
31	24.20	7.60	13.91	3.8	17
32	14.00	6.90	10.75	7 . 2	8
33	15*4O	9.90	12.14	1.6	21
34	14*7O	11.10	12.38	1.2	6
35	19.00	12.00	15.10	2.5	5
36	12.10	12.10	12.10	.0	1
37	13.70	8.00	10.46	1.3	28
38	13.20	4.50	10.20	3.7	7
39	-99.99	-99.99	-99.99	-99.9	-99
40	10.80	5.90	8.52	2.2	5
41	6,90	5.90	6.30	.4	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99,99	-99.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99*9	-99
17	23.80	6.30	12.02	4,8	16
18	-99*9Q	-99.99	-99.99	-99*9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	23.90	20.80	23.00	1.5	4
21	-99,99	-99,99	-99.99	-99.9	-9?
22	7.3*50	14.80	18.87	2.5	10
23	-99.99	-99.99	-99.99	-99*Q	-99
24	20.60	14.80	17.80	2,6	4
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99*99	-99.99	-99.99	-99.9	-99
27	19.10	17*5O	18.30	1.1	2
28	-99099	-99.99	-99.99	-99.9	-99
29	20.00	9.60	13.71	3.4'	11
30	14.90	10.80	12.97	2.1	3
31	16.70	9.40	13.57	2.4	16
32	-99.99	-99.99	-99*99	-99*9	-99
33	-99.99	-99.99	-99.99	-9?.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.9?	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99*9	-99
37	-99.99	-99,99	-99.99	-99.9	-99
38	8.20	2.70	6,16	2.2	5
39	-99.99	-99.99	-99.99	-99.9	-99
40	10.60	4.40	7.80	1.8	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.9?	-99.9	-99

TABLE 6e

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99*99	-99.99	-99.9	-99
17	23.00	8.70	18.49	4.7	10
18	21.80	21.30	21.55	●	4 2
19	24.30	24.30	24.30	.0	1
20	23.60	23.60	23.60	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-'29*99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99,9	-99
24	19.80	15.30	17.55	3.2	2
25	-99,99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-?9.99	-99.9	-99
27	31*1O	22.10	27,02	3*7	b
28	30.20	24.40	27.30	4.1	7
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99,99	-99*99	-99.99	-99.9	-99
31	21.00	12.10	15.20	3.2	6
32	-99.99	-99*99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	20.70	20.70	20.70	.0	1
35	22.80	10.20	16.85	6.2	4
36	25.10	21.30	23.65	1.7	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	9.50	5*7Q	7.56	1.5	5
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.?	-99
17	20,30	14.70	17.30	1.3	26
18	-99*99	-99.99	-99.99	-99.9	-99
19	18.20	16.70	17.45	1.1	2
20	10.90	10.90	10.90	.0	1
21	-99.99	-99.99	-99.99	-99*9	-99
22	25.90	17.20	21.89	2.6	10
23	25.10	17.00	21.26	2.5	?
24	18.10	14*7O	16.40	2.4	2
25	27.60	22.10	24.72	2.3	4
26	39.80	15.90	26.13	12.3	3
27	16.30	15.50	15.90	●	6 2
28	28.80	22.10	25.45	4.7	?
29	28.80	12.90	19.30	5.5	7
30	22.20	8.80	14.80	5.0	7
31	20.70	10.80	1607'0	5.2	3
32	21.80	4030	14055	7*6	4
33	7.10	7.10	7.10	●	9 1
34	33.00	14.90	22.82	7.5	4
35	-99.99	-99.99	-99.99	-99.9	-f??
36	-99*99	-99.99	-99.99	-99.9	-99
37	20.00	10,40	14.23	5*I	3
38	-99*99	-99*99	-99.99	-99*9	-99
39	-99,99	-99.99	-99,9?	--99.9	-99
40	-99.99	-99*99	-99*99	-99.9	-99
41	11.10	11*1O	11.10	.0	1
42	-99.99	-99.99	-99.99	-99. ?	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	28.00	21.80	24.52	2.6	4
18	26.00	15.70	19.62	3.8	5
19	-'?9099	-99.99	-99.99	-99.9	-99
20	22.00	12.00	18.42	3.2	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	27.60	19.30	23.57	2.7	9
23	17.60	11.50	14.37	3.1	3
24	31.70	14.50	22.22	5.3	8
25	21.30	15.00	17.65	2.7	4
26	26.90	26.10	26.50	.6	2
27	39.40	19.80	25.01	2.5	14
28	-99.99	-99.99	-99.99	-99.9	-99
29	25.80	12.20	18.68	4.0	29
30	11.60	11.60	11.60	.0	1
31	24.60	7.00	15.99	5.7	10
32	17.00	12.20	15.43	1.6	7
33	22*1O	13.10	18.90	3.0	12
34	23.80	12.80	19.05	4.8	4
35	21.50	17.80	19.02	1.7	4
36	16.40	16.40	16.40	.0	1
37	19.20	12.50	15.66	2.0	19
38	13.20	7.00	10.36	3.0	5
39	9.10	9.10	9.10	.0	1
40	10.00	6.40	8,57	1.5	4
41	11.70	11.10	11.40	,4	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
35	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	16.60	14,20	15.25	1.0	4
18	-99.99	-99,99	-99*99	-99.9	-99
19	-99.99	-99*99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99*9	-99
22	30.60	23,00	27.48	3.2	5
23	-99.99	-99.99	-99.99	-99*9	-?9
24	29.20	18.90	24,85	4.3	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	27,40	19*70	23.55	5,4	?
28	-99.99	-99.99	-99.99	-99.9	-99
29	24.50	10.10	15.80	6.5	5
30	14.80	13.20	13.73	.9	3
31	25.30	14040	18.88	3.7	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99*99	-99.99	-99*9	-99
35	-99,99	-99.99	-99.99	-99*9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99*99	-99.99	-99.99	-99.9	-99
38	9.50	8.10	8.85	.6	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	10.50	6.50	8.98	1.2	13
41	-99.99	-99*99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 6f

PHOSPHATE (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	26.40	19.50	22.93	2.9	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	33.40	31.40	32.76	.4	17
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	33.10	14.30	28.29	5.3	26
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	32.40	9.80	20.87	8.4	16
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99●99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	20.50	14.90	17.68	?.*5	31
18	-99*99	-99*99	-99.99	-99.9	-99
19	34.90	19.70	30.27	5.5	10
20	27.20	27.20	27.20	.0	1
21	-99*99	-99.99	-99.99	-99.9	-99
22	30.50	23.70	26.54	2.6	5
23	30.60	23.70	27.05	3.0	4
24	-99.99	-99,99	-99.99	-99,9	-99
25	29.50	28*80	29.15	.5	2
26	32,90	17.50	25.20	10.9	2
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99,99	-99*99	-99.9	-99
29	33.70	18.50	29.91	5.2	17
30	34.90	16.00	28.09	7.0	10
31	-99*99	-99.9?	-99,99	-99.9	-99
32	34,30	20.50	31.81	3.6	16
33	-99.99	-99,99	-99.99	-99.9	-99
34	34.30	25.30	32.20	3.1	8
35	-99.99	-99,9'3	-99.99	-99*9	-99
36	-99*99	-99.99	-99.99	-99,9	-99
37	34.30	23,80	31.99	3.1	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99,99	-99.99	-99*99	-99.9	-99
40	-99.99	-99*99	-99.99	-99.9	-99
41	34.30	14.30	27*41	7.2	8
42	-99.99	-99,'?9	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	35.50	33.70	34.60	.9	3
18	26.50	20.90	22.70	2.6	4
19	-99,99	-99.99	-99.99	-99.9	-99
20	23.50	17.80	20.80	2.8	4
21	-99*99	-99.99	-99.99	-99.9	-99
22	30.70	17.70	25.69	3.4	27
23	18.50	14.00	16.25	3.2	2
24	38.10	21.00	28.67	6.0	21
25	37*20	5.00	24.20	7.3	23
26	27,90	27.90	27.90	.0	1
27	33.10	26.10	29.20	2.8	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	42.50	9.30	26.87	6.8	126
30	29.10	14.80	21.88	4.9	6
31	40.00	5.00	26.83	7.0	54
32	26.50	17.80	22.30	3.0	9
33	25.90	20.50	24.28	1.9	6
34	25.70	22.90	24.30	2.0	2
35	22.50	20.50	21.55	.7	10
36	-99.99	-99.99	-99.99	-99.9	-99
37	22.70	18.90	20.57	1.3	9
38	42.50	9.30	22.99	8.6	31
39	26*3O	10.80	20.33	6.2	6
40	41.00	1.20	24.39	10.2	21
41	14.00	13.70	13.85	.2	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	21.40	16.90	18.95	2.1	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99*99	-99.99	-99.99	-99.9	-99
22	33.30	32.60	32.90	.4	3
23	-99.99	-99.99	-99.99	-99.9	-99
24	30.00	29.60	29.80	.3	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	,-99.9	-99
27	31.90	31.90	31.90	●0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	27.90	14.60	?.9.37	7.4	3
30	31.70	14.80	23.22	5.4	24
31	29.70	17.50	24.68	5.6	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99*99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-?9.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.?9	-99.99	-99.9	-99
38	11.40	10.60	11.00	.6	2
39	-99.99	-99.99	-99*99	-99*9	-99
40	28.80	9.50	16.32	5.2	22
41	-99.99	-99.99	-99*99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 7a

SILICATE (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	18.30	18.30	18.30	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	29.00	15.00	18.89	2.9	57
18	27.00	26.00	26.50	7'	2
19	25.00	13.40	17.60	4,5	9
20	62.00	5.40	31.49	23.8	23
21	-99,99	-99.99	-99.99	-99.9	-99
22	34.80	25.90	31.67	3.8	6
23	39.00	20.00	30.43	5.5	18
24	35.20	27.10	31.55	2.3	8
25	-99.99	-99.99	-99.99	-99.9	-99
26	39.00	27.00	32.94	5.0	5
27	40.00	26.60	32.46	5.1	13
28	40.90	21.10	32.31	6.7	7
29	29.40	27.00	27.93	1.3	3
30	45.00	22.00	30.81	4.9	27
31	28.10	7.00	12.72	8.4	11
32	25.10	8.70	16.96	6.0	7
33	-99.99	-99.99	-99.99	-99.9	-99
34	33.60	22.00	27.51	4.0	13
35	33.00	27.00	30.17	2.2	6
36	28.00	12.50	19.99	4.9	15
37	16.40	12.10	14.40	1.9	4
38	8.30	8.30	8.30	.0	1
39	8.60	8.60	8.60	.0	1
40	7*40	4.00	5.53	1.4	7
41	-99.99	-99*99	-99.99	-99.9	-99
42	11.30	5*00	7.56	2.1	7

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	20.50	20.50	20.50	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	44.00	.00	12.20	12.4	215
18	-99.99	-99.99	-99.99	-99.9	-99
19	24.00	5.40	13*54	4*4	14
20	60.20	1.20	22.38	16.0	66
21	-9?*99	-99.99	-99.99	-99.9	-99
22	85.30	9.60	37.19	15.7	50
23	46.00	.89	26.51	9.1	32
24	40.00	11.80	31.11	8.9	10
25	48.40	13.40	37.08	10.7	24
26	35.93	21.00	28.68	6.7	5
27	41.40	20.40	33.60	6.0	21
28	47.10	27.80	36.86	5.6	13
29	52.90	8.10	39.20	10.0	7?
30	53.90	2.90	33.42	9.3	79
31	36,90	16.60	30.60	4.5	6?
32	43.70	17.40	27.66	4.6	50
33	37.80	24.30	28.87	4.8	15
34	41.80	16.70	30.88	5.8	24
35	-99.99	-99.99	-99.99	-99.9	-99
36	57*40	12.80	21.97	9.0	20
37	33.90	3.60	19.86	6.3	56
38	19.20	19.20	19.20	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.70	4.70	4.70	[illegible]	1
41	12.00	3.50	6.64	3*3	5
42	28.50	5.20	10.57	6.3	13

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	27.00	3.50	15.25	16.6	2
16	8.00	7*00	7.50	.7	2
17	18.00	2.00	8.06	3,7	49
18	-99.99	-99.99	-99.99	-99.9	-99
19	14.40	2.20	7.16	4.1	7
20	53.30	.00	16.12	14.9	112
21	-9?.99	-99.99	-99.99	-99.9	-99
22	67.00	.30	32.30	18.3	62
23	30.40	.00	11.56	9.1	15
24	20.80	1.00	6.58	5.7	13
25	39.00	14.00	28.17	7.6	13
26	39.27	1.00	26.40	22.0	3
27	38.98	2.40	27.72	13.7	22
28	37.60	7.60	27.52	13.9	4
29	47.00	3.00	22.77	10.4	53
30	26.40	4.90	19.93	5.4	12
31	36.34	1.00	21.22	8.4	26
32	32.80	1.40	12.47	8.4	20
33	28.24	5.20	14.85	9.5	22
34	36.52	11.60	23.96	6.9	17
35	8.00	3.00	5.50	2.9	4
36	25.90	[illegible]9Q	14.72	7.6	11
37	21.95	[illegible]00	10.54	6.3	36
38	18.00	9.00	13.65	4.0	6
39	15.80	15.80	15.80	.0	1
40	18.90	.00	6.28	8.1	5
41	5*03	?*33	3.93	1.4	5
42	13.80	6.50	10.15	5.2	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	54.00	10.00	14.87	6.9	52
18	-99.99	-99.99	-99,99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	54.70	.00	19.00	23.7	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	54.00	29.00	38.69	10.1	13
23	-99.99	-99.99	-99.99	-99.9	-99
24	18.70	2.94	10.77	9*0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	19.79	19.77	19.78	[illegible]C!	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	34.00	16.00	20.27	6.7	11
30	-99.99	-99,99	-99.99	-99.9	-99
31	20.73	2.36	14.79	5.1	13
32	-99.99	-99.99	-99.99	-99.9	-99
33	14.50	13.30	13.90	.8	2
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	13.00	2.00	6,33	5.2	6
39	-99.99	-99.99	-99*99	-99.9	-99
40	6.47	.00	2.14	2.3	13
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 7b

SILICATE (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	29.00	16.00	19.38	3.6	26
18	27.00	27.00	27.00	0	1
19	25.00	25.00	25.00	.0	2
20	60.00	58.60	59.23	.7	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	39.00	31.00	34.00	3.3	8
24	32.00	30.00	31.33	1.2	3
25	-99.99	-99.99	-99.?9	-99.9	-99
-26	37.00	19.00	31.75	8.6	4
27	36.00	28.00	32.00	5*7	2
28	35.00	35.00	35.00	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	39.00	22.00	30.79	4.9	24
31	26.00	8.00	17.00	12.7	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99*'7	-99
34	31.00	28.00	30.00	1.7	3
35	30.00	27*?P	28.00	1.4	4
36	28.00	22.00	24.40	2.6	5
37	-99.99	-99.99	-99.99	-99*9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	5.00	5.00	5.00	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99,99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-9'9.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	35.00	00	14.52	13.8	7 3
18	-99.99	-99.99	-99.99	-99.9	-99
19	27.00	27.00	27.00	.0	1
20	55,60	11.20	40.17	18.7	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	64.00	15.32	35.17	13.2	18
23	33.18	,93	21.55	12.1	9
24	37.00	37.00	37.00	.0	1
25	45.00	12.92	30.16	15.4	8
26	35,87	22,00	26.96	7,7	3
27	34.00	34.00	34.00	.0	2
28	37.00	37.00	37.00	.0	1
29	46.30	18.00	34.25	7.8	11
30	38.70	17.00	29.99	7.5	8
31	34.80	32.00	33.03	1*5	3
32	31.70	21.00	28.48	5.0	4
33	24.90	24.90	24.90	.0	1
34	27.00	25.00	26.00	1.4	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	20.90	15.30	18.40	2*8	3
38	-99.99	-99.99	-99.99	-99*9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99*9	-99
41	13.00	13.00	13.00	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	00	.00	.00	.0	1
17	6.00	2.90	3.58	1.3	12
18	-99.99	-99.99	-99.99	-99,9	-99
19	..99*99	-'?9.99	-99.99	-99.9	-99
20	57.40	1.09	27.03	16.8	38
21	-99.99	-'?9.99	-99.99	-99.9	-99
22	62.00	9.00	43.12	17.0	17
23	4.00	4.00	4.00	.0	1
24	11.00	2.00	6.00	4.6	3
25	32.00	15.00	23.50	12.0	2
26	39.70	39.48	39.59	.2	2
27	38.92	4.00	34.37	10.7	10
28	-99.99	-99.99	-99.99	-99.9	-99
29	39.00	2.00	21.08	10.1	13
30	-99.99	-99.9'3	-99.99	-99.9	-99
31	36.85	1.00	'1.9.57	13.4	5
32	16.17	4.33	9.64	5.4	8
33	28.41	6.08	12.15	8.9	9
34	36.36	30.93	34.49	3.1	3
35	9.00	3.00	6.00	4.2	2
36	-99.$)9	-99.99	-99.99	-99.9	-99
37	22.49	7.13	11.30	4.8	12
38	13.00	10.00	11.50	2.1	2
39	-99*99	-99.99	-99.99	-99.9	-99
40	.00	CO	CO	.0	1
41	5.51	2.25	4*47	1.3	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99,99	-99.9	-99
17	17.00	10.00	12.84	1.9	25
18	-99*99	-99.99	-99.99	-99.9	-99
19	-9'7.99	-99.99	-99.99	-99.9	-99
20	57.60	38.50	48.05	13.5	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	51.00	29.00	34.80	9.2	5
23	-99.99	-99.99	-99.99	-99.9	-99
24	18.49	2.97	10.73	8.9	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99*?	-99
27	20.98	19.75	20.37	9	2
28	-99.99	-99.99	-99.99	-99*9	-?9
29	34.00	16.00	22.12	7,6	8
30	-99.99	-99.99	-99*99	-99.9	-99
31	20.82	10.52	15.50	3.9	8
32	-99*9Q	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99,9	-99
38	13.00	2.00	5.00	4.6	5
39	-99.99	-99.99	-99.99	-99.?	-99
40	7.16	.00	2.15	2.8	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99,99	-99,99	-99.9	-99

SILICATE (MICROGRAM-AT/L) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-9909	-99
17	36.00	1.90	19.57	5.2	35
18	29.00	28.00	28.50	*7	2
19	24.00	24.00	24.00	.0	?.
20	61.80	59.00	60.23	1.1	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	42.00	31.00	36.40	4 * 4	5
24	31.00	26.00	29.00	2.6	3
25	-99,99	-99.99	-99.99	-99.9	-99
26	33.00	29.00	31.00	2.8	2
27	41.00	27.00	34.00	7.5	4
28	38.00	37.00	37.50	.7	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	36.00	22.00	28.80	5.5	5
31	26.00	7.00	17.00	9.5	3
32	-99*99	-99.99	-99.99	-99.9	-99
33	-99*9?	-99.99	-99.99	-99.9	-99
34	31.00	24.00	27.67	3.5	3
35	32.00	26.00	30.40	2.5	5
36	28.00	19.00	25.57	3.0	?
37	-99.99	-99*99	-99.99	-99.9	-99
38	-99.99	-99*99	-99.99	-99.9	-9's
39	-99,99	-99.99	-99.99	-99.9	-99
40	6.00	4.00	5.00	1.4	2
41	-99.99	-?9.99	-99.99	-99.9	-99
42	-99.99	-99.99	-?9,99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-?9
16	-99.99	-99.99	-99.99	-?9.9	-99
17	35.00	1.00	18.49	14.2	86
18	-99*99	-99.99	-99.99	-99.9	-99
19	26.00	26.00	26.00	.0	1
20	61.00	11.10	41.51	20.8	12
21	-99*99	-99*99	-99*99	-99.9	-99
22	64.00	15.45	33.68	11.9	22
23	33.51	15.00	28.12	6.9	10
24	30.00	30.00	30.00	●	o 2
25	48.00	13.16	28.03	13.0	.8
26	36.36	24.00	.33,.18	6.}.	4
27	34.00	34.00	34.00	.0	1
28	38.00	37.00	37.50	.7	2
29	49.40	28000	37.38	7.1	12
30	38.50	14.00	32.07	7.5	12
31	35.20	30.70	32.78	1.8	6
32	33.10	23.00	29.49	4.5	7
33	25.60	25.40	25.50	.1	2
34	27.00	26.00	26.67	.6	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99"	-99.99	-99.99	-99.9	-99
37	20.90	15.40	18.38	2.7	5
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99'	-99.99	-99.99	-99.9	-99
41	12.00	12.00	12.00	.0	1
42	23.20	6.20	12.92	8.2	4

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	20.00	15.00	17*50	3.5	?
17	3.00	2.00	2.67	●	6 3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99
20	60.20	5.33	30.59	17.2	39
21	-99.99	-99.99	-99.99	-99.9	-99
22	66.00	5.00	39.35	18.0	29
23	30.46	5.00	13.82	14.4	3
24	17.00	3.00	7.80	5.4	5
25	40.00	15.00	32.83	9.4	6
26	39.81	39.65	39.73	●	1 3
27	39.25	15.11	35.97	5.3	2(1
28	-99.99	-99.99	-99.99	-99.9	-9?
29	47.00	2.00	25.79	11.8	3 3
30	-99.99	-99.99	-99.99	-99.9	-99
31	37.61	8.00	26.62	11.7	7
32	19.00	5.59	13.57	4.3	10
33	29.16	8.4?	18.50	6.7	23
34	36.55	31.13	33.29	2.9	5
35	17.00	5.00	11.00	6.0	3
36	17.52	17.52	17.52	.0	1
37	25.31	7.80	14.92	4.2	30
38	12.00	10.00	11.25	1.0	4
39	-99*99	-9'3.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41.	6.06	4.70	5.46	.5	6
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	42.00	8.00	14.55	6.5	29
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99*99	-99.99	-99.9	-99
20	59.00	48.30	52.87	4.5	4
21	-99.99	-99*99	-99.99	-99.9	-99
22	58.00	30.00	40.00	10.3	7
23	-99.99	-99.99	-99.99	-99.9	-99
24	34.79	8.45	21.91	8.8	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	31.71	25.60	28.46	3.1	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	36.00	16.00	22.00	6.8	9
30	-99.99	-99.99	-9?*99	-99.9	-99
31	28.31	15*45	21.58	3.8	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	28.4(3	12.50	20.45	11.2	2
34	-99.99	-99.99	-99.99	-99.9	-99
35	--99*99	-99.99	-99.99	-99.9	-99
36	-99*99	-99*99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	12.00	9.00	9.75	1.5	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	8.22	1*00	4.23	2.6	11
41	-99.99	-99.99	-99.99	-99*9	-'?9
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 7d

SILICATE (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-?'?
16	-99.99	-99,99	-99.99	-99.9	-99
17	43.00	19.00	25.20	7.6	25
18	40.00	26.00	33.00	9.9	2
19	45.00	25.00	35.00	14.1	?
20	59.60	57.00	58.40	1.3	3
21	-99.99	-99.99	-9?.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99*99	-99.99	-99.9	-99
24	31.00	26.00	27,75	2.4	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	42.00	27.00	34.11	6.5	9
28	40.00	35.00	37.50	3.5	2
29	-99*99	-99.99	-99.99	-99.9	-99
30	34.00	25.00	29.71	3.3	7
31	26.00	7.00	16.20	7*7	10
32	-99.99	-99.99	-99*9?	-99.9	-??
33	-99.99	-99.99	-99.99	-99.9	-99
34	31.00	28.00	29.25	1.3	4
35	37.00	27.00	32.60	3.8	5
36	48.00	21.00	28.62	8.1	8
37	-99.99	-99.99	-99.99	-99*9	-?9
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	6.00	4.00	4.83	.8	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99.99	-99*9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99,99	-99.99	-99*99	-99.9	-99
17	38.00	1.00	28.59	7.7	76
18	-99.99	-99.99	-99.99	-99.9	-99
19	29.00	29,00	29.00	.0	1
20	60.00	16.20	41.72	19.9	10
21	-99.99	-99,99	-99.99	-99.9	-99
22	65.40	28,76	42.84	8.1	15
23	45.14	11.00	30.48	9.1	11
24	34.00	34.00	34.00	.0	1
25	5'4.90	39.28	44.51	6*7	6
26	41.63	25.00	33.37	7.1	5
27	35.00	34.00	34.50	.?	2
28	37.00	34.00	36.00	1.7	3
29	48.20	30.00	37.45	5.8	11
30	42.20	14.00	32.08	8.8	12
31	37.60	31.60	34.13	2.1	6
32	35,60	21.00	30.71	5.(I	8
33	29.90	29.30	29,60	[illegible]	4 ?
34	32.00	28.00	29.00	2.0	4
35	-99.99	-99.99	-99.99	-99*9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	22.20	16.00	19.87	2.3	6
38	-99.99	-99.99	-99.99	-99.9	-99
39	-9'?.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	14.00	13.00	13.50	.7	?
42	26.30	11.30	18.80	10*6	2

SUMMER

15	-?9.99	-99.99	-99.99	-99.9	-99
16	36.00	23.00	28.00	7.0	3
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99
20	63.70	9.80	30.02	17.5	13
21	-99.99	-99.99	-99.99	-99.9	-99
22	69.00	25.00	52,44	11.7	?.7
23	52.44	16.00	28.48	20.8	3
24	41.00	11.00	24.20	13.2	5
25	47.00	15.00	27.00	15.0	4
26	62,27	39.90	47.47	12.8	3
27	69.01	35.00	42.71	10.4	21
28	-99.99	-99*99	-99.99	-99.9	-99
29	50.00	2.00	25.19	10.7	27
30	-99.9'9	-99.99	-99*99	-99.9	-99
31	45.56	17.00	29.23	10.4	8
32	23.00	6.82	17.12	5.9	8
33	29.70	14.11	72*49	5.5	21
34	41.60	31.23	34.9'4	4.0	'5
35	38.00	22.00	29.00	6.8	5
36	26.38	26.38	26.38	.0	1
37	28.52	12.83	18.78	3.3	28
38	22.00	12.00	14.75	4.9	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	13.00	2.00	7.50	7.8	2
41	9.08	5.07	7.06	2.0	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99*99	-99*'7	-99
17	54.00	8.00	19.61	12.0	18
18	-99.99	-99*99	-99.99	-99.9	-99
19	-99,99	-99*99	-99.99	-99.9	-99
20	58.40	47.10	51.83	5.9	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	61.00	32.00	44.20	8.0	10
23	-99.99	-99.99	-99*99	-99*9	-9?
24	61.64	27.95	43.20	16.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	39*31	35.41	37.36	2.8	2
28	-99*99	-99.99	-99.99	-99*9	-99
29	47.00	21.00	29.09	8.3	11
30	-99*99	-99.99	-99,99	-99,9	-99
31	33.54	16.40	25.68	5.4	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99*99	-99.99	-99*9	-99
34	-99.99	-99.99	-99.99	-99*9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	16.00	4.00	12.00	4.6	5
39	-99*99	-99,99	-99,99	-99.9	-99
40	13.00	3.00	9.46	2.6	17
41	-99.99	-99.99	-99.99	-99*9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 7e

SILICATE (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	60.00	21.00	34.20	13*9	10
18	58.00	49.00	53.50	6.4	2
19	55.00	55.00	55.00	● 0	1
20	57.00	57.00	57.00	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99*99	-99.9	-99
24	44.00	30.00	37.00	9.9	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	79.00	48.00	61.50	11.8	6
28	80.00	59.00	69.50	14.8	2
29	-99.99	-99.99	-99.99	-92*?	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	42.00	20.00	.27*33	7.9	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99*99	-99.99	-99.9	-99
34	44.00	44.00	44.00	.0	1
35	57.00	37.00	45.50	9.7	4
36	62.00	46.00	54,50	6.6	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	16.00	5.00	9.20	4*?	5
41	-99.99	-99.9?	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	36.00	29.00	32.85	1.9	26
18	--99,99	-99*99	-99.99	-99.?	-99
19	45.00	45.00	45.00	● O	2
20	33,60	33,60	33.60	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	77.75	46.14	63.73	10.1	10
23	76.91	44.00	57.53	11.6	7
24	41.00	35.00	38.00	4.2	.2
25	80.60	62.33	71.59	7*9	-.,:
26	79.37	33*OO	60.08	24.1	5
27	35.00	35.00	35.00	● O	2
28	78.00	54.00	66.00	17.0	2
29	82.80	28.50	52.37	19.0	7
30	55.00	29.00	45.57	9.4	7
31	75.90	33.80	58.73	22.1	3
32	56.90	24.00	40.80	15.3	4
33	26.00	26.00	26.00	.0	1
34	157.00	30.00	72.25	57*4	'4
35	-99.99	-99.99	-99*99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	38.00	32.90	35.80	2.6	3
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	-9'?.99	-99.99	-99.99	-?9,9	-99
41	15.00	15,00	15.00	.0	1
42	25.80	19.60	22.70	4.4	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	57.63	21.91	40.18	10.4	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	68.00	32.00	54.32	13.6	6
23	39.98	25.00	29.99	8.6	3
24	53.00	28.00	43.17	8.7	6
25	34.00	24.00	27.33	5.8	3
26	93.56	85.39	89.47	5.8	2
27	85.36	52.91	76.26	8.7	14
28	-99.99	-99.99	-99.99	-99.9	-99
29	63.00	3.00	34.42	15.6	19
30	-9'3.99	-99.99	-99,99	-99.9	-99
31	82.16	16.00	39.20	25.1	9
32	38.49	25.00	31.47	5.0	?
33	59.83	30.33	45.53	8.7	12
34	81.67	35.17	62.37	20.0	4
35	49.00	41.00	44.00	3.6	4
35	42.04	42.04	42.04	● 0	1
37	47,78	24.23	35.74	7.1	19
38	24.00	11.00	17.50	7*O	4
39	-99.99	-99.99	-99,99	-99.9	-99
40	13.00	12.00	12.50	.7	2
41	20.17	13.67	16.92	4.6	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99099	-99.99	-?9.99	-99.9	-99
17	33.00	30.00	31.50	1.3	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*99	-99*9	-99
20	-99.99	-99.99	-99*99	-99.9	-99
21	-99.99	-99*99	-99.99	-99*9	-99
22	88.00	58.00	75.40	12.8	5
23	-99.99	-99.99	-99.99	-99.9	-99
24	85.54	40.46	65.28	3.9*5	4
25	-99.99	-99.99	-99*99	-99*9	-99
26	-99.99	-99,99	-99.99	-99*9	-99
27	71.54	52.33	61.93	13.6	2
28	-99.99	-99.99	-9?.99	-99.9	-99
29	63.00	21.00	37.20	18.7	5
30	-99*9Q	-99.99	-99*99	-99.9	-99
31	61.02	29.39	41.64	10.6	12
32	-99.99	-99.99	-99.99	-99*9	-99
33	-99.99	-99.99	-99.99	-99.9	"-99
34	-99.99,	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99*99	-99*9	-99
36	-99.99	-99.99	-99.99	-99*9	-99
37	-99.99	-99.99	99.99	-99.9	-99
38	19.00	16.00	17.75	1.5	4
39	-99*99	-99*99	-99.99	-99.9	-99
40	17.97	10.00	12.60	2.6	13
41	-99.99	-99.99	-99*99	-99*9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 7f

SILICATE (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	39.00	26.00	31.43	4.8	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99*99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99*9O	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	128.00	75.00	97.35	17.6	17
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99*99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	133.00	26.00	85.15	31.5	26
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	119.00	12.00	55.76	36.2	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	42.00	29.00	34.48	2.9	31
18	-99.99	-99.99	-99*99	-99.9	-99
19	150.00	54.00	108.90	34*3	10
20	61.40	61.40	61.40	.0	1
21	-99.99	-99.99	-99.99	-99.9	-9?
22	97.37	75.69	86.18	7.8	5
23	93.71	63,00	78.22	12.7	4
24	-99.99	-99.99	-99.99	-99.9	-99
25	95.47	93*43	94.45	1*4	2
26	92,38	82.00	87.19	7.3	2
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99*99	-99.99	-99.9	-99
29	158.60	43,00	106.15	35.7"	17
30	135.40	35.00	73*71	3207	10
31	-99.99	-99.99	-99.99	-99.9	-99
32	153.00	49.00	111.50	28.9	16
33	-99.99	-99*99	-99.99	-99.9	-9?
34	148.00	64.00	113.87	28.3	8
35	-99.99	-99*Q9	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99,9	-99
37	145.00	62.00	111.45	24.5	11
3P	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99*99	-99.9	-99
40	-99.99	-99.99	-99*QQ	-99.9	-99
41	141.00	32.00	90.25	37.9	8
42	57.20	23.50	40.42	13.2	6

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-?9.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	68.19	44.84	54.04	10.3	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	86.00	33.00	60.08	18.9	12
23	46.00	33.00	39.50	9.2	2
24	94.00	52.00	69.20	13.1	10
25	85.00	29.00	58.40	17.4	10
26	99.94	99.94	99.94	●	o 1
27	105.00	87.00	93.50	5.5	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	97*00	12.00	59.80	21.0	46
30	-99.99	-?9.99	-99.99	-99.9	-99
31	90.82	23.00	59.05	20.9	17
32	87.00	39.14	60.56	17.0	?
33	71.05	61.21	67.77	3.8	6
34	91.2?	84.56	87.92	4.8	2
35	85.00	45.00	60.60	13.7	10
36	-99.9?	-99.99	-99.99	-99.9	-99
37	64.56	47.07	55.90	5.6	9
38	85.0(?	15.00	50.92	24.1	13
39	-99.99	-99.99	-99.99	-99.9	-99
40	30.00	20.00	25.00	7.1	2
41	28.34	18.85	23.60	6.7	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	55.00	37.00	45.00	8.1	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*99	-99*9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99*99	-99*99	-9?.9	-99
22	98.00	87.00	94.00	6.1	3
23	-99.99	-99.99	-99.99	-99.9	-99
24	103.19	81.39	92.29	15.4	2
25	-99.99	-99.99	-99,99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	86.96	86.96	86.96	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	77.00	31.00	46.25	21.0	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	83.57	42.87	65.35	17.0	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.?	-99
34	-99.99	-99.99	-99.9?	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	23.00	22.00	22.50	,7	2
39	-99.99	-'99.99	-09,99	-99*Q	-99
40	78.00	12.00	34.18	17.4	22
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 8a

OXYGEN (ML/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99*99	-99.9	-99
17	7.1.2	6.29	6.61	●2	48
18	6.91	6.90	6.91	.0	2
19	6.83	6.70	6.76	.1	2
20	-99*99	-99.99	-99.'?9	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-?9
24	7.18	7.08	7.11	.1	3
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	7*36	6.98	7.15	.2	4
28	7.11	7.10	7.10	.0	2
29	-99.99	-99.99	-5?9.?9	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	7.28	6.86	7.05	.2	6
32	-99.99	-99*99	-99.99	-99.9	-99
33	7,40	6.79	7*07	.1	21
34	7.04	6.66	6.85	●2	4
35	7.12	6.98	7.06	.1	6
36	7.15	6.96	7.02	.1	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-'99.99	-99.99	-99.99	-99.9	-99
40	6.66	6*48	6.54	.1	4
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	9-99.99	-99.99	-99.99	-99.9	-99
17	11.15	6.89	8.50	1.3	108
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.75	6.75	6.75	.0	1
20	-99,99	-99*99	-99*99	-99.9	-99
21	-99*99	-99.99	-99.99	-99*9	-99
22	8.74	7.64	8.19	.3	12
23	8.19	7.51	7.87	.3	6
24	7.26	7.19	7,2.2	.0	2
25	8.36	7.87	8.15	.3	5
26	7,55	?.55	7.55	.*0	1
27	7,24	7.23	7.23	.0	2
28	7.19	7.19	7.19	.0	1
29	7.58	7*39	7.48	.1	4
30	7.07	7*07	7,07	.0	2
31	-99.99	-99.99	-9?.99	-99.9	-99
32	7.16	7.08	7.12	.1	2
33	7.61	6.58	7.18	.2	25
34	7.15	6.93	7.06	.1	3
35	-99.99	-99.99	-99*9'?	-99,9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	6.91	6.91	6.91"	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99*99	-9"9.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	6.77	6.7?	6.77	●0	1
42	-99*99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	7.39	6.80	7.11	● 3	5
16	7.03	6.99	7.01	.0	2
17	9,04	4.80	7.64	1.1	24
18	7.41	6.42	6.71	.3	8
19	6.94	6.14	6.55	93	6
20	7.98	5.93	6.78	.6	21
21	-99.99	-99.99	-?9.99	-99.9	-99
22	7.23	6.89	7.00	.2	4
23	7.51	6.84	7.01	.2	8
24	7*44	6.21	6.68	● 4	10
25	7*31	6.45	6.93	.4	6
26	7.51	7.51	7.51	● c	2
27	7.53	6.54	7.?7	.4	16
28	6.52	6.48	6.50	.0	4
29	7,67	6.06	6.90	● 4	30
30	6.15	6.12	6.13	.0	2
31	7.45	5.?7	6.42	● 5	16
32	7*04	6.03	6.51	.4	16
33	7.36	6.19	6.68	.3	41
34	7.45	6.44	7.07	.5	6
35	6.41	6.30	6.37	.0	4
36	6.91	6.34	6,4?	● 2	5
37	7*25	6.13	6.78	.3	26
38	6.11	5.72	5.86	.1	10
39	5.97	5.93	5.95	.0	2
40	6.14	5.59	5.88	.2	5
41	6.33	6.13	6.25	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*Q	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	8.60	6.74	7.09	.4	22
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99,99	-99*99	-99.9	-99
21	-99*99	-99.99	-99.99	-99.9	-99
22	6.75	6,23	6.49	.4	2
23	6.52	6,26	6.39	Q1	4
24	6,45	6,27	6.36	.1	4
25	-99.99	-99.99	'99.99	'99*9	-99
26	6.32	6.27	6.29	.0	2
27	6.46	6.46	6.46	.0	2
28	-99.99	-99*99	-99.99	-99.9	-99
29	6,56	6.53	6.54	.0	2
30	6.23	4,25	5.73	● -?	8
31	6.48	6.26	6.38	.1	13
32	-99.99	-99.99	-99.99	-99.9	-99
33	7*11	5.95	6.49	.3	25
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99,99	-99*99	-99.99	-99.9	-99
38	6.05	5.91	5.98	.1	2
39	5,78	5.71	5*75	.9	2
40	5,97	5.17	5*45	.3	15
41	-99,99	--99.?9	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 8b

OXYGEN (ML/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	7.15	6.31	6.66	.3	14
18	6.95	6.95	6.95	.0	1
19	6.77	6.75	6.76	.0	2
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	7.12	7.06	7.08	.0	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	7.21	7.12	7.16	.1	2
28	7.10	7.10	7.10	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	7.22	6.86	7.04	.3	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	7.04	6.66	6.82	.2	3
35	7.08	6.91	7.01	.1	4
36	6.95	6.88	6.92	.0	3
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	6.39	6.39	6.39	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	8.99	6.89	7.81	.7	30
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.76	6.76	6.76	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	8.32	7.61	7.91	.3	8
23	8.20	7.53	7.80	.3	5
24	7.19	7.19	7.19	.0	1
25	8.35	7.89	8.22	.2	4
26	7.53	7.53	7.53	.0	1
27	7.24	7.23	7.23	.0	2
28	7.23	7.23	7.23	.0	1
29	7.60	7.43	7.51	.1	2
30	7.09	7.09	7.09	.0	1
31	-99.99	-99.99	-99.99	-99.9	-99
32	7.29	7.25	7.27	.0	2
33	-99.99	-99.99	-99.99	-99.9	-99
34	7.14	7.09	7.11	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	7.03	7.03	7.03	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	6.92	6.92	6.92	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

15	6.97	6.86	6.91	.1	2
16	6.76	6.76	6.76	.0	1
17	8.48	6.16	7.48	.9	8
18	7.36	5.96	6.48	.6	4
19	6.98	6.24	6.72	.3	7
20	8.56	4.23	5.76	1.2	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	7.08	6.95	7.01	.1	2
23	7.25	6.86	7.01	.2	3
24	7.51	6.46	6.74	.4	6
25	7.39	6.48	6.96	.5	3
26	7.52	7.51	7.51	.0	2
27	7.53	6.52	7.30	.3	11
28	6.51	6.44	6.47	.0	2
29	7.33	6.26	6.91	.4	19
30	-99.99	-99.99	-99.99	-99.9	-99
31	7.45	6.00	6.47	.4	11
32	7.08	6.23	6.71	.3	11
33	7.40	6.54	6.84	.3	9
34	7.44	6.38	7.15	.5	4
35	7.19	7.19	7.19	.0	2
36	6.41	6.36	6.38	.0	2
37	7.20	6.46	6.92	.2	15
38	7.56	5.81	6.32	.8	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	6.11	5.74	5.95	.2	4
41	6.78	5.32	5.93	.6	5

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	6.91	6.45	6.74	.2	6
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.38	6.38	6.38	.0	1
23	6.52	6.32	6.42	.1	2
24	6.45	6.26	6.37	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	6.30	6.30	6.30	.0	1
27	6.66	6.47	6.56	.1	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	6.64	6.64	6.64	.0	1
30	6.32	5.03	5.97	.5	5
31	6.45	6.33	6.41	.1	7
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	5.65	5.65	5.65	.0	1
39	5.78	5.78	5.78	.0	1
40	6.18	5.52	5.90	.2	9
41	-99.99	-99.99	-99.99	-99.9	-99

TABLE 8c

OXYGEN (ML/L) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	7.18	4.13	6.35	. . 5	25
18	6.94	6.89	6.91	.0	2
19	6.76	6.76	6.76	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99*99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	7.14	7.05	7.11	.1	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	7.31	7.07	7.s?	.1	4
28	7.10	7.09	7.09	.0	2
29	-99*99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	7.30	6.82	7.04	.?	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	7.00	6.71	6.90	.2	3
35	7.09	6.95	7.05	●1	5
36	7.03	6.95	6.97	.0	6
37	-99.99	-9? .99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99,?9	-99.9	-99
40	6.59	6.42	6.50	.1	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	8*?4	5.91	7*39	.6	61
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.91	6.91	6.91	.0	1
20	-99.99	-99*99	-99.99	-99.9	-99
21	-99,99	-99*99	-99.99	-99.9	-9?
22	8,31	6.67	7*76	● 4	15
23	8.15	7*51	7,74	",*2	9
24	7.19	7.18	7.19	.0	2
25	8.31	7.65	8.00	.3	6
26	7.54	7,52	7*53	● Q	3
27	7.29	7.29	7.29	.0	1
28	7.23	7*23	7.23	.0	2
29	7.66	7.30	7.48	.2	4
30	7.08	7.07	7.07	.0	2
31	-99.99	-99*99	-99.99	-99.9	-99
32	7.18	7.08	7.12	.1	3
33	-99.99	-99.99	-99.99	-99.9	-99
34	7*13'	7*OO	7.08	.1	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99*99	-99*9	-99
37	6.93	6.93	6.93	.0	1
38	-99,99	-99*99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99*Q	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	6.72	6.72	6.72	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	6.84	6.06	6.56	.4	4
16	6,27	5.99	6.13	*Z	2
17	7.12	6.31	6*56	●3	6
1%	?.67	5.63	6.46	●E	8
19	6.37	6.04	6.20	.2	2
20	7.08	2.27	5.85	1.3	23
$?1	-99.99	-99.99	-99.99	-99.9	-99
22	7.11	6.27	6.80	.4	4
23	6.91	6.55	6.65	.1	6
24	7.26	6.46	6.79	.3	10
25	7.36	6.68	7.05	.3	4
26	7.51	?,47	7*5O	.0	3
27	7.59	6.52	7*49	.2	21
28	?,24	6.56	6.93	.3	4
29	?.53	6.57	7.12	.3	25
30	6.32	6.32	6.32	● O	1
31	7.71	6.26	6.92	.5	15
32	7.63	6,64	7.02	.3	16
33	7.33	6.7?	7.06	.2	21
34	7.43	6,51	7.22	.3	7
35	7.24	6.56	6.95	.3	3
36	7.16	6.39	6.68	.3	6
37	7.53	6.89	7,17	● I	37
38	6.72	5.73	6.25	.4	8
39	6.46	6,12	6.29	.2	2
40	6.72	6.22	6.48	●2	4
41	6,76	6.48	6.59	.1	6
42	-99.99	-99*99	-99.99	-9?.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.9?	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
1?	7.50	5.05	6078	.6	12
18	-99,99	-99.99	-99.99	-99.9	-99
19	-99,99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.35	6.04	6.19	.2	2
23	6.48	5.70	6.23	.4	4
24	7.48	7.13	7.33	●1	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	6.56	6.23	6,39	.2	2
27	7.33	7.23	7,27	.1	3
28	-99.99	-99*99	-99.99	-99.9	-99
29	6.84	6.62	6.73	●1	2
30	6.9a	4.31	6.07	● 7	11
31	7,45	6.88	7.22	.2	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	7.08	6.95	7.01	.1	2
3'4	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99*99	-99.9	-99
36	-9'7.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	6,84	5.82	6,33	.7	2
39	6.50	6,35	6.42	.1	2
40	7.81	6.19	7.01	● 6	12
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 8d

OXYGEN (ML/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	7.10	3.61	6.15	.8	23
18	6.73	4.91	5.82	1.3	2
19	6.79	3.72	5.25	2.2	2
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	7.09	6.98	7.05	.1	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	7.31	5.99	6.97	.5	9
28	7.10	7.02	7.06	.1	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	7.24	6.85	7.03	.2	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	7.05	6.43	6.87	.3	4
35	7.10	6.21	6.87	.4	5
36	6.99	4.50	6.60	.9	7
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	6.62	6.38	6.50	.1	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	7.42	5.57	6.68	.4	57
18	-99*?9	-99.99	-99*99	-99.9	-99
19	6,47	6.47	6.47	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99*99	-99.99	-99*99	-99.9	-99
22	7.61	3.95	6.52	1.2	15
23	7.78	6.59	7*35	.4	9
24	7.18	7.16	7.17	.0	2
25	7*43	6.13	7.11	.6	5
26	7.52	6.81	7.28	.4	3
77	7.19	7.19	7*19	.0	2
28	7.19	7.16	7.18	.0	3
29	7,47	7.24	7.34	.1	4
30	7.00	6.88	6.94	.1	2
31	-99.99	-99.99	-99.99	-99.9	-99
32	7.18	7.02	7.10	.1	4
33	7*44	7.44	7.44	.0	1
34	7.10	6.77	6.99	.1	4
35	-99,99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99,	-99s?	-99
37	6.90	6.83	6.87	.0	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99*99	-99.99	"-99.9	-99
41	4.73	6.68	6.70	.0	2
42	-99*99	-99*99	-99.99	-99.9	-?9

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	5.93	4.92	5.52	.5	3
17	6.65	4.44	5.86	1.0	6
18	6.81	5.39	6.30	.5	8
19	-99.99	-99.99	-99.99	-99.9	-99
20	6.93	3.21	5.42	1.5	15
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.33	4.90	5.63	.8	4
23	6.12	5.88	6.00	.2	2
24	6.60	5.32	6.13	.4	7
25	7.25	4.67	6.54	1.1	5
26	7.48	7.15	7.36	.2	3
27	7.51	3.40	6.70	1.4	20
28	-99.99	-99.99	-99.99	-99.9	-99
29	7.75	5.60	6.99	.4	28
30	6.89	6.89	6.89	.0	1
31	7.46	2.30	6.56	1.2	17
32	7.12	6.33	6.79	.3	9
33	7.33	4.70	6.73	.6	22
34	7.42	6.83	7.25	.2	6
35	6.05	4.01	5.14	1.0	5
36	6.89	6.69	6.77	.1	4
37	7.25	5.81	6.90	.3	30
38	6.44	5.50	5.98	.3	7
39	-99.99	-99.99	-99.99	-99.9	-99
40	7.21	6.13	6.55	.4	5
41	6.59	6.40	6.49	.1	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	'99
16	-99,99	-99.99	-99.99	-99*9	-99
17	7*97	4.30	6.79	1.2	10
18	-99.99	-99.99	-99.99	-'99*9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99*99	-99.99	-99.9	-99
22	5.36	4*96	5.16	.3	2
23	6.82	4.29	5.70	1.1	4
24	7.27	6.13	6.91	.5	4
25	-99.99	-99.99	-99.99	-?9.9	-99
26	6.67	5*55	6.09	.8	2
27	7,20	6.94	7,?)7	.2	2
28	-99.99	-99,99	-99.99	-99.9	-99
29	7.20	7.17	7.18	.0	2
30	6.92	5.35	6.29	.7	7
31	7.32	6.08	7.01	.3	16
32	-99.?9	-99.99	-99.99	-99.9	-99
33	7.25	7*Q9	7,19	7.	4
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99,99	-99.99	-99.99	-99.9	-99
37	--99.'99	-99.99	-99.99	-99.9	-99
38	6.78	6,55	6*66	.?	2
39	6.49	6.39	6.44	.?	2
40	7.00	6.21	6.41	?	19
4?	-99.99	-99.99	-99,99	-99:6	-99
42	-99.99	-99*9?	-99.99	-99.9	-99

TABLE 8e

OXYGEN (ML/L) 1958 - 1974 100.1 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99,'99	-99*9	-99
16	-99.99	-99.99	-9 9.99	-99.9	-99
17	6.63	3.54	5,73	1.0	10
18	3.94	2.85	3.39	● R	2
19	3.65	3.65	3.65	.0	1
20	-99*99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99,99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	6.83	4.51	5.67	1*6	2
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	5.25	1.*36	3.19	1.5	6
28	4.34	1.84	3.09	1.8	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	6.88	5.40	6.22	●3	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	5.26	4.39	4.82	.6	2
35	6.15	3.23	4.22	1.3	4
36	3.92	3.46	3.72	.2	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-?9.99	-99.9	-99
40	6.57	5.80	6.05	.3	5
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.'29	-99.99	-99.99	-99.9	-99
3.6	-99.99	-99.99	-99.99	-99.9	-99
17	6.97	6.00	6.50	'.3	19
18	--99.99	-99.99	-99.99	-99.9	-99
19	5.23	4.78	5.00	.3	2
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-9?
22	6.74	2.32	4.38	1.3	10
23	5*75	2.18	4.38	1.3	6
24	7.15	6.58	6.87	"4	2
25	4*97	2.40	3,67	1.1	4
26	3.33	2.06	2.69	.9	2
.27	7.22	7.19	7.20	.0	2
28	5.10	2,38	3,74	1.9	2
29	6.86	2.90	5.09	1.8	4
30	6.10	6.03	6.06	.0	?
31	-99.99	-99.99	-99.99	-99.9	-99
32	6.99	4.95	5*9?	1.4	2
33	5.65	5.65	5.65	.0	1
34	6.93	.45	4.08	2.7	4
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	5.25	5.25	5.25	.0	1
38	-99.99	-99*99	-99.99	-99.9	-99
39	-99.99	-99*99	-99*99	-99.9	-99
40	-99*99	-99.99	-99.99	-99.9	-99
41	6.00	6.00	6.00	.0	3
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	6.25	4.12	5.40	.8	6
18	6*66	5.04	5.98	,6	5
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.73	2.72	3.92	1.0	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	3.87	3.12	3.50	.5	2
23	5.81	4*73	5.27	.8	2
24	5.12	.68	3.16	1.4	8
25	5.51	2.92	4.03	1.3	3
26	1.50	●99	1.24	.4	2
27	5*33	1.58	2.57	1.0	13
28	-99.99	-99.99	-99.99	-99.9	-99
29	7.31	1.53	5.04	2.1	21
30	6.61	6.61	6.61	●0	1
31	7,32	2.09	5.67	2.0	9
32	7.02	4.87	5.84	.0	7
33	7.20	4.01	5.16	1.1	13
34	7.00	1.91	4.00	2.2	4
35	3045	2.73	3.02	●3	4
36	-99.99	-99.99	-99.99	-99.9	-99
37	6.28	4.16	5.27	.6	18
38	6.39	5*53	6.02	.4	5
39	5.86	5.86	5.86	.0	1
40	6.53	5.90	6.25	.3	4
41	5.58	5.52	5.55	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
2.6	-99.99	-99.99	-99.99	-99.9	-99
17	6.51	6.51	6.51	.0	1
18	-9'?*Q9	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99*99	-99.99	-99.9	-99
21	-99,99	-99,99	-99.9?	-99*'?	-99
22	2.7?	2.79	2.79	.0	1
23	4.42	3.89	4.15	'.4	,2
24	5.95	.91	3*34	2.1	4
25	-99*99	-99*99	-99.99	-99,9	-99
26	3*70	3.70	3*70	.0	1
27	5.17	2.63	3.90	1.8	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	7.11	7.11	7.11	.0	1
30	6.85	3.86	6.00	1.2	5
31	7.16	3.59	5*47	1.1	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	7.25	5.4a	6.66	.8	4
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99*99	-99*9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99,99	-99.99	-99.9	-99
38	6.53	6.53	6.53	.0	1
39	6.46	6.46	6.46	.0	1
40	6.45	5.68	6.14	"*7	15
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 8f

OXYGEN (ML/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	6.03	5.12	5.65	.3	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	1.62	.32	.57	.3	17
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	5.94	.49	2.22	1.5	26
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	5.82	.66	3.51	1.9	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-'79.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	6.84	5*31	6,24	●	4 23
18	-99,99	-99*99	-99.99	-99*9	-99
19	4.34	.35	1.61	1.5	10
20	-99,99	-99.?9	-99.99	-99.9	-99
21	-99.99	-99*99	-99.99	-99.9	-99
22	3.24	1.30	2.42	.9	5
23	2.90	1.05	2*27	1.1	3
24	-99.99	-99*99	-99.99	-99*9	-99
25	2.18	1.71	1.95	"03	2
26	1.53	1.53	1.53	.0	1
27	-99.99	-99*9Q	-99.99	-99.9	-99
28	-fig.?9	-99.99	-99.99	-99.9	-99
29	5*33	.57	1.73	1.5	1 6
30	5*34	.79	2.75	107	8
31	-99*99	-99,99	-99.99	-99.9	-99
32	4.34	.48	1.15	1.0	16
33	3.80	3.80	3.80	.0	1
34	3,25	.46	1.12	1.0	8
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.9?	-9?.9	-99
37	3.30	*3?	1.06	.9	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99,?	-99
40	-99,99	-99,99	-99,99	-99.9	-99
41	5.12	.43	2.16	1.7	8
42	-99.99	-99.99	-99,99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	5.86	2.33	3.3?	1.5	5
18	3.02	1.13	2.10	.8	4
19	-99.99	-99.99	-99.99	-99.9	-99
20	4.20	2.16	3.20	1.0	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	2.25	,59	1.05	.5	15
23	3.73	3.09	3.41	.5	2
24	2.26	.36	.68	.5	21
25	3.04	.47	●pq	.6	20
26	.67	●67	.67	.0	1
27	1.91	.76	1.19	.3	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	6.26	.43	1.49	1.3	106
30	5.14	●?Z	2.40	1.6	6
31	6.04	.22	2.32	1.7	54
32	5.12	.60	2.70	1.7	9
33	13.30	2.22	4.51	3.9	7
34	1,97	1.02	1.49	.7	2
35	2.60	.44	1*30	.7	10
36	-99.99	-99.99	-99.99	-99.9	-99
37	4.03	3.28	3.72	.3	9
38	5.99	.79	3.13	1.7	31
39	5,76	.85	2.99	1.8	6
40	6.08	.69	2*99	1.7	21
41	5.34	5.31	5.32	.0	2
42	--99.99	-99*99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	--99.99	-99.9	-99
16	-99.99	-99,99	-99.99	-99.?	-99
17	6,31	5,30	5.93	.5	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99*99	-99.9	-99
21	-99*99	-99.99	-99.99	-99.9	-99
22	1.58	1.58	1.58	●	0 1
23	2.83	2.72	2.77	.1	2
24	1.99	.51	1.25	1.0	2
75	-99.99	-99.99	-99.99	-99.9	-99
26	2.03	2.03	2.03	.0	1
27	1.23	1.23	1.23	●	c! 1
28	-99*99	-99.99	-99.99	-99.9	-99
29	6.52	6.52	6.52	'e"	1
30	6.68	●73	2.32	1.6	26
31	5*13	1.79	3.28	1.6	6
32	-99.99	-99.99	--99*99	-99.9	-99
33	5.88	3*4?	4*59	1.0	4
34	-99.99	-99.9'?	-99.99	-99*9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99,99	-99.99	-99*9	-99
38	6.38	6.38	6.3$	.0	1
39	6.33	6.33	6*33	.0	1
40	6.21	2.34	4.60	1.0	27
41	-99.99	-99.99	-99.99	-99*9	-?9
42	-'9?.99	-99.99	-99.99	-99.9	-99

TABLE 9a

PHAEOPIGMENTS (MG/M**3) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.22	.00	.04	● S	27
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99*Q9	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-9'?
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99*99	-99.99	-9?.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99,99	-99,99	-99.9	-99
28	-99.99	-99.99	-99*99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	●00	.01	.06	.0	9
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.05	.00	.03	.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*Q9	-99.99	-99*9	-99
16	-99*99	-99,99	-99.99	-99.9	-99
17	1.58	.00	.15	.3	85
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99 ● 99	-99.99	-99.99	-99.9	-99
21	-99 ● 99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	'99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99,9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99*9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-?9.9	-99
31	-99.99	-99*99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99,99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-'?9.'?	-99
37	-99.99	-99.99	-99.99"	-99,9	-99
38	-99.99	-99*99	-99*99	-99.9	-99
39	-99*99	-99.99	-99.99	-99*9	-99
40	-99,99	-99, 99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99s99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.49	.00	.61	1.0	53
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	●00	.00	.00	.0	1
23	-99.99	-99.99	-99.99	-99.9	-?9
24	-99.99	-'?9.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.'?9	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	'Q?
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.20	.00	.08	●	1 6
33	.39	.00	.10	●	1 11.
34	-99.99	-99*99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	.04	.00	●C2	.0	12
37	-99.99	-99*99	-99.'?9	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-$?9.99	-99.99	-99.9	-9'?
41	●14	.00	.05	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99,99	-99.9	-99
17	2.09	.00	.39	.4	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99,99	-99.99	-99.9	-99
20	-99.99	-99*99	-99*99	-99.9	-99
21	-99.99	-99*99	-99.99	-99.9	-99
22	-99.99	-99*Q9	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99*9	-99
24	.30	.00	.08	●	1 4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.71	.00	●367	.5	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-'?9.99	-99*99	-99*99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	●24	.00	●06	.1	10
32	-99.99	-99*9Q	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	●ofl	.00	.00	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 9b

PHAEOPIGMENTS (MG/M**3) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.07	.00	.02	.0	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.07	.03	.05	.0	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.03	.01	.02	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-9
16	-99.99	-99.99	-99.99	-99.9	-9
17	.25	.00	.04	.1	4
18	-99.99	-99.99	-99.99	-99.9	-9
19	-99.99	-99.99	-99.99	-99.9	-9
20	-99.99	-99.99	-99.99	-99.9	-9
21	-99.99	-99.99	-99.99	-99.9	-9
22	-99.99	-99.99	-99.99	-99.9	-9
23	-99.99	-99.99	-99.99	-99.9	-9
24	-99.99	-99.99	-99.99	-99.9	-9
25	-99.99	-99.99	-99.99	-99.9	-9
26	-99.99	-99.99	-99.99	-99.9	-9
27	-99.99	-99.99	-99.99	-99.9	-9
28	-99.99	-99.99	-99.99	-99.9	-9
29	-99.99	-99.99	-99.99	-99.9	-9
30	-99.99	-99.99	-99.99	-99.9	-9
31	-99.99	-99.99	-99.99	-99.9	-9
32	-99.99	-99.99	-99.99	-99.9	-9
33	-99.99	-99.99	-99.99	-99.9	-9
34	-99.99	-99.99	-99.99	-99.9	-9
35	-99.99	-99.99	-99.99	-99.9	-9
36	-99.99	-99.99	-99.99	-99.9	-9
37	-99.99	-99.99	-99.99	-99.9	-9
38	-99.99	-99.99	-99.99	-99.9	-9
39	-99.99	-99.99	-99.99	-99.9	-9
40	-99.99	-99.99	-99.99	-99.9	-9
41	-99.99	-99.99	-99.99	-99.9	-9
42	-99.99	-99.99	-99.99	-99.9	-9

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.50	.08	.36	.4	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.25	.04	.12	.1	5
33	.12	.00	.04	.1	7
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.05	.00	.02	.0	8
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.27	.00	.09	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.48	.00	.17	.1	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.64	.00	.23	.3	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.10	.00	.05	.1	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.10	.00	.03	.0	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 9c

PHAEOPIGMENTS (MG/M**3) 195f I - 1 9 7 4 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.15	.00	.02	.0	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.15	.06	.10	.0	5
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.08	.00	.05	.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-9
16	-99.99	-99.99	-99.99	-99*9	-0
17	● 12	● (-)0	.02	● 0	2(
18	-99*99	-99.99	-99.99	-99.9	-9
19	-99.99	-99*99	-99.99	-99.?	-9
20	-99.99	-99,99	-99.99	-99.9	-9
21	-99.99	-99*99	-99*99	-99.9	-9
22	-99.99	-99.99	-99.99	-99.9	-9
23	-99.99	-99.99	-99.99	-99,9	-9
24	-99.99	-99.99	-99.99	-99,9	-9
25	-99*99	-99.99	-99,99	-9?.9	-9
26	-99.99	-99,99	-99.99	-99.9	-9
27	-99.99	-99.99	-99.?9	-99.9	-9
28	-99.99	-99.99	-99.99	-99.9	-9
29	-99*99	-99.99	-99.99	-99.9	-9
30	-99.99	-99,?9	-99,99	-99.9	-9
31	-99.99	-99.99	-99.99	-99.9	-9
32	-99.99	-99.99	-99.99	-99.9	-9
33	-99*9?	-99.99	-99.99	-99.9	-9
34	-99.99	-99.99	-99.99	-99.9	-9
35	-99.99	-99.99	-99.99	-99.9	-9
36	-99.99	-99.99	-99.99.	-99.?	-9
37	-99.99	-99.99	-99.99	-99.9	-9
38	-99.99	-99.99	-99.99	-99.9	-9
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99,99	-99.99	-99.99	-99.9	-9
41	-99.99	-99.99	-99.99	-99.9	-9
42	-99.99	-99.99	-99.99	-99.9	-9?

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.06	.01	.03	.0	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.11	.11	.11	.0	1
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.00	.00	.00	.0	5
33	.14	.00	.04	.0	16
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.16	.02	.08	.0	26
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.07	.00	.02	.0	6
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99,9	-99
16	-99.99	-99.99	-99.99	-9'?.9	-99
17	.40	● 00	.11	.1	11
18	-99.99	-99.99	-99.9?	-99.9	-9'?
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99*99	-99*99	-99.9	-99
22	-99.99	-99*99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	● 47	.00	.09	.2	6
25	-99*99	-99.99	-99.99	-99*9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99*99	-99.99	-99.99	-99.9	-99
31	,19	.00	.04	● 3	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-99*99	-99.9	-99
36	-99.99	-99*99	'-99*99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-9?
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.27	.07	.14	".1.	3
41	-99.99	-99*99	-99.99	-99.9	-99
42	--99.99	-99*99	-99.99	-99,9	-99

TABLE 9d

PHAEOPIGMENTS (MG/M**3) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.08	.00	.04	.1	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.09	.05	.07	.0	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.07	.01	.04	.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*?	-9?
16	-99*99	-99.99	-99.99	-99.9	-99
17	.12	●00	.08	.1	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99,9	-99
20	-99*99	-99*99	-99.99	-99*9	-99
21	-99,?9	-99.99	-99*99	-99.9	-99
22	-99.99	-99.99	-99.99	-99*9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99*99	-99.99	-99*99	-99*9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-9'?,99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99*99	-99*9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99,99	-9'9.?9	-99*99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99099	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.?9	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.08	.00	.02	.0	4
33	.08	.00	.01	.0	13
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.18	.04	.10	.0	31
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.00	.00	.00	.0	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-?9
16	-99.99	-99.99	-99.99	-99.9	-?9
17	●G2	●on	.01	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99*Q	-99
23	-99*99	-99.99	-99.99	-99.9	-99
24	●12	.00	.04	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.9?	-99.99	-99.9	-9?
31	.25	.00	.05	.1	1.4
32	-99*99	-99,99	-99*99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99*99	-99.?9	-99*99	-99.9	-99
35	-99.99	-99.99	-99.99	-99*Q	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99,99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.02	●00	.01	.0	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 9e

PHAEOPIGMENTS (MG/M**3) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.04	.03	.03	.0	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.03	.03	.03	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.00	.00	.00	.0	2
33	.00	.00	.00	.0	8
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.06	.03	.05	.0	5
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.00	.00	.00	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.05	.05	.05	.0	1
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.00	.00	.00	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.00	.00	.00	.0	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 9 f

PHAEOPIGMENTS (MG/M**3) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99*99	-99.9'?	-99,'?9	-99.9	-99
18	-99.99	-99*99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99*99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99*99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-?9.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.02	.02	.02	.0	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99*9	-99
34	--99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.03	.03	●Q3	●	0 1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99.99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	-99.99	-99*99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99*9	-99
19	-99.99	-99*Q9	-99*99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99*9	-99
23	-99.99	-99*99	-99*99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99*99	-?9.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99,99	-99.99	-99.99	-99,9	-99
29	-99.99	-99.99	-99.99	-99.?	-99
29	-99.99	-99*99	-99.99	-99.9	-99
30	-99.99	-99.99	. ..99*99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.?9	-99*99	-99*99	-99.9	-99
33	-99*9?	-99.99	-99*99	-99.9	-99
34	-99*99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99*99	-99.99	-99.9	-99
37	-99.99	-99*99	-99.99'	-99.?	-99
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99,99	-99.99	-99.99	-99.9	-99
40	-99*99	-99.99	-99.99	-99.9	-99
41	-99.99	-99*99	-99.99	-99.9	-99
42	-99.99	-99099	-99*99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.$?9	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	.08	●G0	●04	●	1 2
33	.02	.00	.01	●	o 4
34	-'?9.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-99.99	-99.9	-99
36	.02	●02	.02	●0	2
3?	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99*99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	'99*9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.00	.00	.00	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99*99	-99,99	-99.9	-99
17	-99.99	-99.99	-99.99	-9?.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99'
20	-99*99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99*99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.04	.00	●	02 "	.0 2
25	-99 ● 99	-99.99	-99.99	-99.9	-99
26	-99*99	-99.'?9	-99.99	-99.9	-99
27	.00	.00	.00	●	o 1
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99,9	-99
30	-99*99	-99.99	-99.99	-99.9	-99
31	.05	.00	●	91 ●	n 5
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99*99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99*99	-99*99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	●00	●00	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99*9	-99

TABLE 10

TOTAL PHAEOPIGMENTS (MG/M**2) 1958 - 1974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.20	.00	.99	.8	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.30	.00	1.55	1.6	28
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	18.60	15.90	17.25	1.9	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	26.90	.10	7.60	8.8	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	3.90	.70	2.30	2.3	2
33	5.10	.00	1.27	2.5	4
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	1.70	.90	1.30	.6	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	20.60	2.70	7.81	5.7	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	12.50	.00	6.25	8.8	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	1.40	1.40	1.40	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	3.10	.00	.96	1.4	5
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	2.20	2.20	2.20	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 11a

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.20	.00	.08	.0	53
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.20	.20	.20	.0	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.10	.10	.10	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.20	.10	.13	.1	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.30	.20	.28	.0	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.20	.20	.20	.0	4
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.10	.10	.10	.0	1
20	.30	.00	.15	.1	16
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.20	.10	.17	.1	4
30	.10	.10	.10	.0	2
31	-99.99	-99.99	-99.99	-99.9	-99
32	.20	.10	.15	.1	2
33	-99.99	-99.99	-99.99	-99.9	-99
34	.10	.10	.10	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.10	.10	.10	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.10	.10	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

15	-99.99	-99.99	-99.99	-99.9	-99
16	.10	.10	.10	.0	2
17	.10	.00	.04	.1	50
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.60	.00	.12	.1	77
21	-99.99	-99.99	-99.99	-99.9	-99
22	.30	.30	.30	.0	2
23	.30	.20	.25	.1	2
24	.10	.10	.10	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.20	.10	.15	.1	4
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.10	.10	.10	.0	8
32	.00	.00	.00	.0	6
33	.10	.00	.08	.0	11
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.30	.30	.30	.0	2
37	.00	.00	.00	.0	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	2
41	.00	.00	.00	.0	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.30	.00	.10	.1	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.00	.00	.00	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	2.00	.00	.21	.5	13
32	-99.99	-99.99	-99.99	-99.9	-99
33	.10	.10	.10	.0	2
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	13
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 11b

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99 99	-99.9	-99
16	-99.99	-99.09	-99.99	-99.9	-99
17	.20	.00	.07	●	123
18	-99.99	-99.99	-99.99	-99.9	- 9 9
19	-99.99	-99.99	-99.99	-99.9	-99
20	.20	● 20	● 20	.0	1
21	-99.99	-99.99	-99.99	-99.9	- 9 9
22	-99.99	-99.99	-99.99	-99.9	-99
23	-9?499	-99099	-99.99	-99.9	-99
24	● 1Q	● 10	.10	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	..99
27	.20	● 20	.20	.0	1
28	-99.99	-99.99	-99.99	-99.9	-'?9
29	-99.99	-99.99	-99.99	-99.9	- 9 9
30	-99.99	-99.99	-99.99	-99.9	-99
31	● 30	.20	.25	.1	2
32	-99*99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-99.99	-99.9	-9'?
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	--99*99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	● 2fl	.20	.20	.0	1
41	-?9.99	-99.99	-99.99	-99.9	-99
42	-9'9.99	-99.99	-99.99	-99.9	- 9 9

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99,99	-99.9	-99
17	-99.99	-99*99	-99.99	-99.9	-99
18	-99.99	-99.99	-99*99	-99.9	-99
19	.10	.10	● 10	.0	1
20	.40	.00	● 20	● 1	5
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99*99	-99.99	-99.9	-99
24	-99*Q9	-99.99	-99.99	-99.9	- 9 9
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	- 9 9
27	-99.99	-99.99	-99*99	-99*9	-99
28	-99*99	'99.99	-99*99	-99.9	-99
29	.20	.10	.15	.1	2
30	.10	.10	.1.0	.0	1
31	-99.99	-99*99	-99.99	-99.9	-99
32	.20	.20	.20	.0	2
33	-99*99	-99,99	-99.99	-99.9	-99
34	● 19	.10	● 10	● n	1
35	-99,99	-99.99	-99.99	-99.9	-99
36	-99.99	-99*99	-99.99	-99.9	-99
37	.10	.10	.10	.0	1
38	-99.99	-99.99	-99.99	-99.9	- 9 9
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.10	.10	.0	1
42	-99.99	-99,99	-99.99	-99.9	- 9 9

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	.00	.00	.00	● R	1
17	.10	.00	.03	.0	12
18	-99.99	-99.99	-99.99	-99*9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.50	● 10	.22	.1	29
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99,9	-99
23	-99*99	-99.99	-99.99	-99.9	-99
24	.10	.10	.10	.0	1
25	-99.99	-99s99	-99.99	-99.9	-99
26	-99.99	-99*99	-99.99	-99.9	-99
27	● 19	.10	● 10	.n	1
28	-99.99	-99.99	-99.99	-99.9	- 9 9
29	-99.99	-99.99	-99.99	-99.9	- 9 ?
30	-99.99	-99.99	-99.99	-99.9	-99
31	● 10	.00	•07	.1	4
32	.00	.00	.00	● O	5
33	.10	● 00	.09	.0	7
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	- 9 9
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99*99	-99*99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	● 9Q	● 00	.0	1
41	.00	● 9C	.00	.0	5
42	'99.99	-99.99	-99.99	-99.9	-'?9

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*QQ	-99.99	-99.9	- 9 9
16	-99.99	-99*99	-99*99	-99*9	-99
17	-99*99	-99*99	-99,99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	- 9 ?
19	-99.99	-99.99	-99*99	-99.9	.-99
20	.40	. .20	● 30	● 1	2
21	-99*99	-99.99	-99.99	-99.9	-99
22	-99.99	-99*Q9	-99.99	-99.9	-99
23	-99.99	-99.99	-99*99	-99.9	-99
24	.10	.00	.03	.1	4
25	-99.99	-99.99	-99*99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.?	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99,99	-99.99	-99,?9	-99.9	-99
31	● 1(	.00	.04	.1	8
32	-99.99	-99.99	-99,99	-99.9	- 9 9
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-99.99	-99.9	-99
36	-99.99	-99*99	-99.99	-99.9	-99
37	-99*99	-99.99	-99.99	-99.9	- 9 9
38	-99.99	-99*99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	7
41	-99.99	-99.99	-99.99	-?9.9	-99
42	-99*99	-99.99	-99.99	-99.9	- 9 9

TABLE 11c

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1 9 7 4 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.20	.00	.07	.1	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99*99	-99*99	-9'?*9	-99
20	.10	.10	.10	● 0	2
21	-99*99	-99.99	-99.99	-99,9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99*99	-99.99	-99.99	-99.9	-99
24	.10	.10	●10	.0	2
25	-99,99	-99.99	-99*99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.20	.10	.15	.1	2
28	-99,99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99*99	-99.9	-99
31	.30	.20	.27	●1	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-9'1.9	-99
37	-99.99	-99*99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.30	.20	●Z5	●1	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99,99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-?9.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.10	.10	.10	.0	1
20	.40	.00	●15	.7	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99*9	-99
75	-99.99	-99.99	-99.99	-99.9	-9?
26	-99.99	-99.99	-99.99	-99.?	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.20	.10	.17	.1	4
30	.10	●10	.10	.0	2
31	-99.*99	-99.99	-99.99	-99.9	-99
32	.20	●10	.17	.1	3
33	-99.99	-99.99	-99.99	-99.9	-99
34	.10	.10	.10	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99,?9	-99.99	-99.9	-99
37	.10	.10	.10	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99,9?	-99.99	-99.9	-99
40	-99,99	-99.99	-99.99	-99.9	-9?
41	.10	●10	.10	● 0	1
42	-99.99	-99.99	-99.99	-99.9	-9?

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	●4G	●30	● 35	.1	2
17	.20	.10	●3.3	.1	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.80	.00	.24	●2	23
21	-99.99	-99.99	-99.99	-9999	-99
22	.30	.00	.1.5	.2	2
23	,50	.50	●5(3	.0	1
24	.20	.20	.20	.0	1
25	-99.?9	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-9')
27	.30	.30	.30	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-95
31	.20	.10	●13	.0	4
32	●IQ	.00	.06	.1	5
33	.10	.00	.09	.4	15
34	-99.99	-99*99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.20	.20	●Z-J	.0	1
37	.20	.20	.20	.0	1
38	-99.99	-49.99	-99*99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.00	.00	.00	.0	6
42	-99.99	-99*99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-9?*9	-99
17	-99*99	-9'3,99	-99*99	-99.9	-'99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	●30	.00	●15	●1	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99*99	-99,99	-99*99	-99.9	-99
23	-99*99	-99.99	-99.99	-99.9	-99
24	.80	.00	●30	●3	6
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99.9	-99
27	,50	.00	.20	.3	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	●PQ	●QQ	.21	.2	17
32	-99.99	-99.99	-99.99	-99,9	-99
33	.10	.10	.10	.0	2
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99,99	-99.99	-99.9	-99
38	-99,99	-99.99	-99*99	-9?.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.20	.00	.05	.1	11
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99.99	-99*Q	-99

TABLE 11d

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.10	.00	.04	.0	21
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.10	.10	.10	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.10	.00	.05	.1	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.20	.10	.13	.1	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.30	.20	.27	.0	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.20	.20	.20	.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.20	.20	.20	.0	1
20	.10	.00	.05	.1	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.20	.20	.20	.0	4
30	.10	.10	.10	.0	2
31	-99.99	-99.99	-99.99	-99.9	-99
32	.20	.10	.17	.1	4
33	-99.99	-99.99	-99.99	-99.9	-99
34	.20	.20	.20	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.20	.20	.20	.0	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.20	.10	.15	.1	2
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	.30	.00	.13	.2	3
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.10	.10	.10	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	.50	.50	.50	.0	1
23	.20	.20	.20	.0	1
24	.00	.00	.00	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.60	.00	.20	.3	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	1.10	.00	.58	.5	5
32	.40	.00	.25	.2	4
33	.70	.00	.25	.3	15
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.20	.20	.20	.0	1
37	.20	.20	.20	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.20	.00	.10	.1	2
41	.50	.00	.17	.2	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.00	.00	.00	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.00	.00	.00	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	1.30	.00	.19	.4	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.00	.00	.21	.3	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

"m"

TABLE 11e

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.10	.00	.05	.1	6
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	4
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.10	.00	.04	.1	5
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.20	.00	.08	.1	5
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.00	.00	.00	.0	[illegible]
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.10	.00	.05	.1	[illegible]
30	.00	.00	.00	.0	[illegible]
31	-99.99	-99.99	-99.99	-99.9	-99
32	.20	.00	.10	.1	[illegible]
33	-99.99	-99.99	-99.99	-99.9	-99
34	.00	.00	.00	.0	[illegible]
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.00	.00	.00	.0	[illegible]
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.00	.00	.00	.0	[illegible]
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.10	.10	.10	.0	1
23	.40	.40	.40	.0	1
24	.00	.00	.00	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.10	.00	.05	.1	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.00	.00	.00	.0	7
32	.00	.00	.00	.0	2
33	.00	.00	.00	.0	8
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.20	.20	.20	.0	1
37	.20	.20	.20	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	2
41	.00	.00	.00	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.00	.00	.00	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	[illegible]
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.00	.00	.00	.0	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.10	.00	.02	.0	13
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 11f

NITRITE (NO2) (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.00	.00	.00	.0	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.00	.00	.00	.0	14
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	8
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-9
16	-99.99	-99.99	-99.99	-?9.9	-9
17	-99.99	-99.99	-99.99	-99.9	-9
18	-99.99	--99*99	-99*99	-99.9	-9'
19	.00	●00	.00	.0	1
20	-99.99	-99.99	-99.99	-99.9	-9
21	-99.99	-99.99	-9?.99	-99*9	-9
22	-99*99	-99.99	-99.99	-99.9	-9
23	-99*99	-99.99	-99.99	-99.9	-9
24	-99.99	-99.99	-99.99	-99.9	-9
%5	-99*99	-99.99	-99.99	-99.9	-9
26	-99.99	-99.99	-99.99	-99.9	-9
27	-99*99	-99.99	-99.99	-99.9	-9
28	-99.99	-99.99	-99*99	-99.9	-9
29	●00	.00	●qf)	.0	1.(
30	.00	* 00	.00	.0	
31	-99.99	-99.99	-99.99	-99.9	-9
32	.00	.00	.00	.0	1
33	-99.99	-99.99	-99.99	-99.9	-9
34	●00	●00	●no		
35	"-99*99	-99.99	-99.99	-9	-9
36	-99.99	-99.99	-99.99	-99.9	-9
37	.00	.00	.00	●0	1,1
38	-99*99	-99*99	-99,99	-99.9	-9
39	.-99,99	-99.99	-99.99	-99.9	-9
40	-99.99	-99,99	-99.99	-99.9	-9
41	.00	.00	.00	● 0	
42	-99.99	-99*99	-99.99	-99.9	-9

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99,99	-99.99	-99.99	-99.9	-99
22	-95'.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99*99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	●(!0	.00	.00	.0	3
28	-9?.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99*99	-99.99	-99.99	-99.9	-99
31	.00	.00	.00	.0	16
32	.00	.00	.00	.0	2
33	●00	.00	.00	.0	4
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99*99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-$)9.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	2
41	.00	.00	.00	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.?9	-99.99	-99.9	-9
16	-99.99	-99*?9	-99.99	-99.9	-9
17	-99.99	-99*99	-99.99	-99.9	-9
18	-99.99	-99.99	-99.99	-99.9	-9
19	-99.99	-99.99	-99.99	-99.9	-9
20	-99.99	-99.99	-99.?9	-99.9	-9
21	-99.99	-99.99	-99.99	-99.9	-9
22	-99.99	-99.99	-99*99	-99.9	-9
23	-99.99	--99.?9	-99.99	-99*9	-9
24	●00	●00	.00	●	2
25	-99.99	-99*99	-99.99	-99.9	-9
26	-99.99	-99.99	-99*99	-99.9	-9
27	.00	.00	● OO	● KI	
28	-99,99	-99.99	-99.99	-99.9	-9
29	-99.99	-99*99	-99.99	-99,9	-9
30	-99.99	-99.99	-99.99	-99*?	-9
31	.00	.00	.00	.0	6
32	-99.99	-99.99	-99*99	-99*9	-9
33	-99.99	-99.99	-99.99	-99.9	-9
34	-99.99	-99.99	-99.99	-99.9	-9
35	-99,99	-99.99	-99.99	-9?.?	-9
36	-99.9?	-99,99	-99.99	-9?.?	-9
37	-99.99	-99*99	-99.99	-99.9	-co
38	-99.99	-99.99	-99.99	-99.9	-9
39	-99.99	-99.99	-99.99	-99.9	-9
40	●10	.00	.00	.0	22
41	-99.99	-99.99	-99.99	-99.9	-9
42	-99.99	-99.99	-99.99	-99.9	-9

TABLE 12a

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.50	.00	.24	.1	17
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.50	.30	.40	.1	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.9?	-99.99	-99.9	-?9
16	-99.99	-99.99	-99.99	-99.9	-99
17	40.00	●0G	1.02	4.?	89
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99.99	-99.99	-99*9	-99
20	2.20	.00	.62	.6	12
21	-99 ● 99	-99.99	-99.99	-99.9	-99
22	1.20	.40	,73	●	3 9
23	.50	.30	.43	.1	6
24	-99.99	-99.99	-99.99	-99.9	-99
25	.80	.60	●68	●	I 5
26	.50	.s0	",.50	●	cl 2
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99*99	-99.99	-99.99	-99.9	-99
29	.70	.00	.35	.3	4
30	.20	.10	.15	●	1 2
31	-99.99	-99.?9	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99,99	-99*9	-99
34	-99.99	-99.99	-99*99	-99.9	-99
35	-99.99	-99.99	-99.99	-99,9	-99
36	-99.99	-99*99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99*99	-99.99	-99.99	-99.9	-99
41	-99*9Q	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.90	.70	1.35	.5	49
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	3.50	.00	.56	.8	22
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	.60	.40	.50	.1	2
27	.80	.30	.50	.2	12
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.30	.30	.30	.0	2
32	.40	.00	.14	.2	8
33	.30	.00	.15	.1	15
34	.50	.20	.35	.2	4
35	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
37	1.10	.20	.48	.2	19
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.00	.02	.0	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.?9	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.00	.00	.39	.3	33
18	-?9.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*99	-99.9	-99
20	1.60	.70	1.07	.5	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	,40	*2(?	.35	.1	4
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99.99	-99.99	-99*99	-99*9	-99
27	●20	.10	.15	.1	2
28	-99,99	-99*99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99*9	-99
31	1.80	.10	,35	●	5 11
32	-99.99	-99*99	-99.99	-99.9	-99
33	-99.99	-99.99	-99,99	-99.9	-?9
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99*99	-99.9	-99
36	-99.99	-99.99	-9?.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.10	.00	.03	.1	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99*99	-99.99	-99.9	-99

TABLE 12b

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.60	.10	.26	.2	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.30	.00	● 77	.6	39
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	● 5n	.00	● 30	.2	4
21	-99*99	-99.99	-99.99	-99.9	-99
22	1.00	.40	*77	.2	6
23	.50	.40	.42	.0	5
24	-99*99	-?9099	-99.99	-99.?	-99
25	.90	.60	.72	.1	4
26	.60	.60	.60	.0	1
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.10	.00	.05	●	12
30	.20	.20	.20	.0	1
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-9?.99	-99*99	-99*9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99*99	-99*99	-99.9	-9?
35	-99*99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.?9	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99*99	-99,99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-?9
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	4.20	.60	1.48	.9	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	3*20	.00	.97	1.1	11
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	.60	.50	.55	.1	2
27	.60	.30	.41	.1	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.30	.30	.30	.0	1
32	.30	.00	.14	.1	7
33	.50	.10	.21	.1	9
34	.30	.20	.27	.1	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.60	.20	.35	.2	12
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.00	.06	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	Y.00	.20	.45	.2	17
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.70	.70	.70	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.9?	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.40	.10	● Z7	.2	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.20	● 20	● 20	.0	2
28	-99.99	-99.99	-99.99	-99.9	-9?
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.20	.10	.11	.0	7
32	-99.99	-99*9?	-99.99	-99,9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99,9	-99
37	-99*?9	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-9'3.99	-99.99	-99.9	-99
40	.20	.00	.10	*7	2
41	-99.99	-99.?9	-99.99	-99,9	-9?
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 12c

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.40	.10	.21	.1	9
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.10	.10	.10	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-?9.99	-99.9	-99
17	2.20	.20	●99	●	R 17
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99*99	-99*99	-99.99	-?9,9	-99
20	.60	.00	●12	.2	8
21	-99.99	-99.99	-99.99	-99.9	-99
22	2.00	●40	1*07	●	4 12
23	1.00	●30	.60	.3	9
24	-99*99	-99*99	-99.99	-99*9	-99
25	1.60	*?0	1.03	.3	6
26	.40	.40	.40	.0	3
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99*99	-99*9	-99
29	.20	.10	.1.5	●1	4
30	.20	.10	.15	.1	2
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99*99	-99.99	-99.9	-99
34	-99.99	-99.99	-99*99	-99.9	-99
35	-99.99	-99.99	-99*99	-99,9	-99
36	-99.99	-99.99	-99*99.	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99*99	-99*99	-99.9,	-99
40	-99.99	-99.99	-99*99	-99.9	-99
41	-99.99	-99.?9	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.30	1.30	2.87	2.1	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	3.30	.10	1.39	1.3	19
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	.50	.40	.47	.1	3
27	.70	.20	.43	.1	18
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.30	.20	.23	.1	3
32	.40	.10	.32	.1	8
33	.60	.20	.35	.1	21
34	.40	.20	.26	.1	5
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	1.10	.10	.46	.2	28
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.30	.00	.15	.1	6
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-'99.99	-99.99	-99*99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	1.10	●00	.31	.3	15
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	,70	.10	.40	●4	2
21	-99.99	-99.99	-99.99	-99*9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99*99	-99.99	-99,9	-99
24	1.10	.10	,67	●4	6
25	-99.99	-99.99	-99,99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.60	.00	.40	.3	3
28	-99.99	-99.99	-99*99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99*99	-99.99	-99*99	-99.9	-99
31	7".00	.10	.51	●2	14
32	-99.99	-99*99	-99.99	-99*9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99	-99*9	-99
36	-99.99	-99,99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.20	.00	.27	.4	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 12d

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.30	.10	.20	.1	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99,99	-99.9	-99
16	-99,99	-99*99	-99.99	-99.9	-99
17	2.80	.00	1.26	1.2	5
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99,99-	99.9	-99
20	.00	.00	.00	.0	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	2.60	*40	1*21	*7	12
23	1,00	.00	.52	●	4 9
24	-99,99	-99,99	-99*99	-99*9	-99
25	1.60	.10	.83	.6	6
26	●60	.30	●47	.2	3
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99*99	-99.9	-99
29	.50	●20	.37	● 2	4
30	●40	,20	.30	.1	2
31	-99.9?	-99*99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99*99	-99.99	-99,99	-99.9	-99
34	-99.99	-99.99	-99.99	-99*9	-99
35	-99*99	-99,99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	--99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99*99	-99*99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.9'7	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.?9	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	2.00	.10	.58	● 5	17
21	-99*99	-?9.99	-99.99	-99.9	-99
22	-99.99	-99*Q9	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-9?.9	-99
26	●90	.30	.50	.3	3
27	1*3O	.10	●47	.3	18
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	●30	.20	.27	.1	3
32	.70	.10	●37	.?	7
33	●90	.00	.37	.3	21
34	.50	.20	.37	.1	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	.70	.10	.42	.7	27
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-9'7.9?	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	●40	.00	.15	● 2	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*Q9	-99.99	-99.9	-99
16	-99.99	-99*99	-99.99	-99.9	-99
17	●50	.10	●Z7	.Z	4
18	-99*99	-99*99	-99.99	-99.9	-99
1 . 9	-99.99	-99.99	-99.99	-99.9	-99
20	●00	.00	.00	●	O 1
21	-99.99	-99.99	-99*99	-99.9	-99
22	-99*99	-99.99	-99.99	-99.9	-99
23	-99.99	-99,99	-99.99	-99.9	-99
24	●10	●00	.03	[illegible]	4
25	-99.99	-99*99	-99.99	-99.9	-99
26	-99,99	-99.99	-99.99	-99.9	-9?
27	.00	.00	●00	●	O 2
28	-99.99	-99*Q9	-99,99'	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99,99	-99.99	-99.99	-99.9	-99
31	.20	.00	.06	.1	13
32	-99.99	-99*99	-99*99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99,99	-99.99	-99*99	-99.9	-99
36	-99.99	-99.99	-99.99	-99*9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.00	.00	.36	.3	7
41	-99.99	-99,99	-99.99	-99.9	-99
42	-99,99	-99.?9	-99.99	-99.9	-99

TABLE 12e

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*9Y	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.9?	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-9?,99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99*99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99,?9	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	",SD	N
15	-99.99	-99*99	-99*99	-99.9	-99
16	-99.99	-99,99	-99,99	-99.9	-99
17	.00	.00	.00	● 0	1
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99*99	-99.9	-99
21	-99.99	-99.99	-9'9.99	-99.9	-99
22	1.30	●10	.74	.5	8
23	.30	.00	●12	●1	6
24	-99*99	-99*99	-99.99	-99.9	-99
25	.40	.10	.25	.2	4
26	.20	.20	.20	.0	2
27	-99.99	-99*99	-99.99	-99*9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.20	.00	●	10 .1	4
30	,20	.00	.10	.1	2
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99,99	-99.99	-99.9	-99
35	-99.99	-?9.?9	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99,99	-99.9	-99
40	-99,99	-99*99	-99.99	-99.9	-99
41	-9'?.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99*99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.9?	-99.9	-99
17	-99.99	-99.99	-'29.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99*'??	-99.9	-99
20	.20	●q.0	.12	.0	1n
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99*99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-?9.9	-99
26	.40	.30	,35	.1	2
27	1.20	.10	●36	.4	1.2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99*99	-99.99	-99.9	-99
32	.30	.10	.17	.1	4
33	.30	.00	.12	.1	12
34	.30	.10	.20	● 1	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.20	.00	.11	.0	18
38	-99.99	-99.99	-99.?'9	-99.9	-99
39	-99.99	-99*99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.00	●05	.1	?
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.30	.20	●	25 .1.	2
18	-99.99	-99.'79	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99,5)9	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99*Q9	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99*99	-99.99	-99.9	-99
24	.00	.00	.00	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	●10	.00	.05	.1	2
28	-99*99	-99.99	-99.99	-99.9	-99
29	-99,?9	-99.99	-99.99	-99.9	-?9
30	-99.99	-99.99	-99.99	-99*9	-99
31	.10	.00	● Q3	● n	10
32	-99.99	-99*99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-Q?
34	-99.99	-99*9Q	-99.99	-99.9	-99
35	-99.99	-99*99	-99.99'	-99.9	-99
36	-99*99	-99.99	-99.99	-99.9	-99
37	-99*99	-99.99	-99.99	-99.9	-99
38	-99.99	-99,99	-9?.9?	-99*Q	-9?
39	-99,99	-99.99	-99.99	-99.9	-99
40	.20	.00	.07	.1	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99*99	-99*99	-99.9	-99

TABLE 12f

AMMONIA (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
%3	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
2s	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
3(?	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99*?9	-99*99	-99.99	-99.9	-99
16	-99.99	-99.99	-99*99	-99*Q	-99
17	.00	.00	.00	.0	1
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99*99	-99,99	-99.99	-99*9	-99
21	-99.99	-99*99	-99*99	-99.9	-99
22	1.20	.10	.65	.6	4
23	●10	.00	.03	.1	,3
24	-99.99	-99.99	-99.99	-99.9	-99
25	.20	.10	.15	.1	2
26	.20	*20	*2O	.0	1
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99*99	-99.99	-99.9	-99
29	.20	.00	.10	.0	16
30	.10	.00	.07	.0	8
31	-99*99	-'?9.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-9'3.99	-99.9	-99
34	-99.99	-99*99	-99*99	-99.9	-99
35	-99.99	-99.99	-99*99	-99*9	-99
36	-99.99	-99*9?	-99.99	.-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99*99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99*99	-99.99	-99.9	-99
42	-99.99	-99,9'?	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	2.70	.10	.75	1.3	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	.20	.20	.20	.0	1
27	1.10	.10	.35	.4	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
3.2	.20	.00	.07	.1	3
33	.30	.00	.07	.1	6
34	.30	.10	.20	.1	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.20	.10	.13	.1	9
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.10	.10	.10	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*9	-9?
16	-99.99	-99*99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99*99	-99.99	-99,9	-?9
21	-99.99	-99.99	-99*99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.00	.00	.00	● O	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99,99	-99*99	-99.9	-99
27	●IO	●3G	●ICI	● C	1
28	-99.99	-99.99	-99.99	-99*9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	●10	●00	.02	.0	5
32	-99.99	-99.99	-99.99	-99.9	-99
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99*99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-?9
36	-99*99	-99*99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-9?.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	●20	.10	.15	.1	2
41	-99,99	-99*99	-99.99	-99.9	-99
42	-99.99	-99,-99	-99.99	-99.9	-99

TABLE 13

DEPTH OF MIXEDLAYER(METERS) 1958 - 1974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99,99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	100.00	75.00	87.50	17.7	7
18	75.00	75.00	75.00	.0	1
19	85.00	38.00	65.67	13.0	9
20	145.00	11.00	72.40	33.0	10
21	60.00	22.00	41.00	26.9	2
%2	107.00	68.00	84.75	16.3	4
23	110.00	28.00	78.25	33.9	8
24	125.00	76.00	99.40	19.7	5
25	-99.99	-99.99	-99.99	-99.9	-99
26	105.00	11.00	72.00	57.9	3
27	165.00	-?9.(30	101.00	22.6	1s.
28	117.00	9.00	77.83	37.6	6
2 ?	122.00	106.00	116.67	9.2	3
30	159.00	107.00	130.90	13.6	20
31	113.00	70.00	97.14	14.1	7
32	119.00	75.00	96.50	24.3	4
33	110.00	110.00	110.00	●	31
34	137.00	67.00	96.67	22.7	9
35	100.00	85.00	92.50	8.7	4
36	113.00	53.00	87.33	15.4	12
37	125.00	69.00	99.83	19.7	6
38	116.00	116.00	116.00	.0	1
39	114.00	114.00	114.00	.0	1
40	122.00	110.00	115.50	5.0	4
41	72.00	72.00	72.00	.0	1
42	115.00	40.00	80.29	27.3	7

SPRING

ZONE	MAX	MIN	MEAN	SD	N
1s	27.00	27.00	27.00	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99*9	-99
18	-99*99	-99.99	-99.99	-99.9	-99
19	99*00	9.00	47.67	30.??	18
20	116.00	5*00	32.75	28.5	24
21	-99*99	-99.99	-99.99	-99.9	-99
22	107.00	10.00	52.00	30.1	29
23	116.00	12.00	66.86	29.8	21
24	150.00	15.00	74.50	41*3	8
25	143.00	38.00	63.00	39.5	6
26	70.00	50.00	60.00	14.1	2
27	150.00	12.00	77.72	33.2.	18
28	146.00	6.00	71.42	47.2	12
29	162.00	15.00	104.03	34.7	35
30	137.00	9.00	80.09	41.0	34
31	150.00	6.00	81.28	34.9	32
32	146.00	6.00	81.15	32.5	27
33	76.00	60.00	68.00	11.3	2
34	134*00	15.00	75.05	32.0	17
35	-99.99	-99.99	-99.99	-99.9	-99
36	114.00	15.00	69.53	25.1	19
37	140.00	6.00	75.69	40.2	26
38	150.00	150.00	150.00	.0	1
39	-99.9'?	-99.99	-99.99	-99*9	-99
40	98.00	98.00	98.00	.0	1
41	122.00	100.00	111.40	8.3	5
42	122.00	24.00	81.56	31.8	9

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	50.00	30.00	37.00	11.3	3
16	45.00	15,00	28.33	15.3	3
1?	28.00	10000	17.00	8.7	4
18	20.00	10.00	12.71	4.6	7
19	38.00	15.00	24.71	9.4	7
20	76.00	1.00	14.33	15.8	36
21	-99.99	-99.99	-99.99	-99.9	-99
22	95.00	2*00	25.65	26.0	37
23	47.00	10.00	24.80	13.7	10
24	40.00	15.00	24.25	7.6	12
25	97.00	2.00	25.80	29.0	10
26	75.00	20.00	47.50	38.0	2
27	100.00	20.00	56.21	29.3	14
28	30.00	20.00	26.75	4.7	4
29	143.00	10.00	48.08	32.9	61
30	104.00	6.00	51.30	40.8	10
31	72.00	6.00	30.11	15.9	28
32	61.00	15.00	27.62	13.2	16
33	50.00	15.00	27.30	11.4	10
34	74.00	6.00	31.57	17.8	14
35	10.00	10.00	10.00	*0	2
36	61.00	6.00	26.83	16.8	12
37	100.00	6.00	26.70	19.3	27
38	85,00	17.00	41.14	30.4	7
39	33.00	24.00	28.50	6.4	2
40	46.00	20.00	29.29	8.4	?
41	15.00	15.00	15.00	.0	2
42	26.00	15.00	20.50	7.8	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.??	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99*99	-99.99	-99.99	-99.9	-99
19	70.00	5.00	47.50	29.6	4
20	66.00	5.00	20.14	26.3	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	33.00	6.00	22.42	7.9	26
23	30.00	30.00	30.00	.0	1
24	65.00	17.00	41.25	24.7	4
25	-99*99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	60.00	19.00	44.67	22.4	3
28	-99.99	-99.99	-99.99	-99*9	-99
29	50.00	5.00	23.43	11.3	14
30	65.00	30.00	38.43	13.8	7
31	23.00	20.00	20.50	1.2	6
32	80.00	80.00	80.00	.0	2
33	-99.99	-99.99	-99.99	-99.9	-99
34	-99.99	-99,99	-99.99	-99.9	-99
35	50.00	50.00	50.00	●0	1
36	-99.99	-99.99	-99.99	-99.9	-99
37	60.00	52.00	56.00	5.7	2
38	32.00	20.00	25.80	5.6	5
39	20.00	20.00	20.00	.0	1
40	28.00	15.00	21.30	3.3	10
41	90.00	90.00	90.00	●8	1
42	62.00	62.00	62.00	●9	1

TABLE 14

LIGHT (LY/DAY) 1958 - 1974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	248.00	39.00	109.25	96.8	4
20	339.00	16.00	150.00	152.9	4
21	68.00	68.00	68.00	.0	1
22	131.00	131.00	131.00	.0	1
23	102.00	18.00	56.29	28.5	7
24	65.00	33.00	49.00	22.6	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	62.00	40.00	51.00	15.6	2
27	79.00	60.00	70.67	9.7	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	143.00	143.00	143.00	.0	1
30	167.00	24.00	71.92	35.7	13
31	116.00	116.00	116.00	.0	1
32	192.00	88.00	140.00	73.5	2
33	279.00	13.00	98.25	54.8	119
34	229.00	44.00	123.33	80.1	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	184.00	184.00	184.00	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	258.00	258.00	258.00	.0	1
41	187.00	187.00	187.00	.0	1
42	142.00	67.00	105.00	37.5	3

SPRING

ZONE	MAX	MIN	MEAN	SO	N
15	517.00	517.00	517.00	.0	1
16	-99*99	-99.99	-99.99	-99.9	-99
17	-99,99	-99.99	-99*99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	470.00	173.00	353.00	158.2	3
20	475.00	79.00	247.42	145.0	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	825.00	26.00	203.74	191.6	19
23	567.00	83.00	320.18	137.4	11
24	572.00	121.00	346.50	318.9	2
25	297.00	136.00	201.67	??4.5	?
26	-99*99	-99.99	-99,99	-99.9	-99
27	521.00	85.00	300.67	131.8	9
28	409.00	134.00	243.33	145.9	3
29	439.00	156.00	297,00	89.6	12
30	476.00	100.00	318.40	102.2	10
31	590.00	68.00	299.58	169.7	12
32	620.00	225.00	386.62	116.8	8
33	750.00	65.00	313.39	144.3	175
34	482.00	185.00	354,00	139.9	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	574.00	19.00	298.44	195.3	9
37	440.00	121.00	274.87	122.9	8
38	233.00	233.00	233.00	●	n 1
39	-99.99	-99.99	-99.99	-9?.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	69.00	69.00	69.00	.0	1
42	214.00	214.00	214.00	.0	?.

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	501.00	501.00	501.00	.0	1
16	228.00	140.00	184.00	62.2	2
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	494.00	225.00	380.67	139.4	3
20	681.00	137.00	373.14	187.0	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	350.00	54.00	164.43	71.1	30
23	108.00	50.00	81.33	29.3	3
24	198.00	100.00	149.00	49.3	2
25	378.00	128.00	212.00	90.3	6
26	461.00	215.00	324.67	125.1	3
27	480.00	235.00	302.50	118.5	4
28	212.00	212.00	212.00	.0	1
29	250.00	44.00	124.10	55.6	21
30	355.00	196.00	279.00	68.8	4
31	573.00	147.00	310.17	166.3	6
32	468.00	240.00	384.00	75.3	7
33	746.00	64.00	347.56	129.7	171
34	512.00	271.00	405.20	99.2	5
35	-99.99	-99.99	-99.99	-99.9	-99
36	571.00	228.00	399.50	242.5	2
37	731.00	127.00	436.50	264.3	6
38	159.00	159.00	159.00	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	245.00	245.00	245.00	.0	1
41	275.00	275.00	275.00	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99*Q	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99*99	-99.99	-99.9	-99
18	-99.99	-99*99	-99*Q9	-99.9	-99
19	130.00	17.00	90.67	63,8	3
20	196.00	128.00	162.00	48.1	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	268.00	42.00	130.57	55.5	21
23	-99.99	-99.99	-99.99	-99.9	-99
24	298.00	82.00	190.00	89.7	4
25	-99,99	-99,99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	186.00	70.00	108.67	67.0	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	439.00	94.00	206.87	104.4	8
30	223.00	223.00	223.00	.0	1
31	250.00	222.00	236.00	19.8	2
32	125.00	38.00	81.50	61.5	2
33	448.00	4.00	163.32	100.2	208
34	-99.99	-99*99	-99.99	-99,9	-99
35	26.00	26.00	26.00	.0	1
36	-99.99	-99.99	-99.99	-99.9	-99
37	60,00	14*00	37.00	32.5	2
38	224.00	56.00	126.00	87.4	3
39	-99*99	-99*99	-99.99	-99.9	-99
40	330.00	330.00	330.00	.0	1
41	125.00	125.00	125.00	.0	1
42	226.00	226.00	226.00	.0	1

Appendix B

The data for total chlorophyll-a (integrated chlorophyll-a), chlorophyll-a (discrete samples), carbon-14 (discrete productivity samples), and nitrate (discrete samples) were transformed, and range, mean, and standard deviation of the transformed data were computed. The results of the analysis are contained in these tables. The different variables were transformed as follows:

Chlorophyll-a (x): $\log_{10}(x+1)$

Total chlorophyll-a (x): $\log_{10}(x+1)$

Primary productivity (x): $\log_{10}(x+1)$

Nitrate (x): $\sqrt{x+1}$

Table 1. Chlorophyll a (mg/m^3)
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

Table 2. Total chlorophyll a (mg/m^2)

Table 3. Primary productivity ($mg/m^3/hr$)
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m

Table 4. Nitrate (µg m at/1)
- a. 0-10 m
- b. 10.1-25 m
- c. 25.1-50 m
- d. 50.1-100 m
- e. 100.1-150 m
- f. > 150 m

TABLE 1a

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	.12	.12	.12	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	.21	.00	.06	.1	31
18	.20	.19	.20	.0	2
19	.22	.11	.17	.0	10
20	.63	.07	.29	.1	25
21	.23	.23	.23	.0	1
22	.20	.14	.17	.0	6
23	.20	.05	.10	.0	22
24	.19	.09	.12	.0	11
25	-99.99	-99.99	-99.99	-99.9	-99
26	.16	.06	.10	.0	6
27	.22	.10	.14	.0	17
28	.24	.12	.16	.0	9
29	.14	.13	.14	.0	3
30	.15	.00	.07	.0	35
31	.31	.10	.14	.1	16
32	.15	.09	.12	.0	8
33	.37	.04	.11	.0	130
34	.19	.11	.14	.0	15
35	.16	.11	.14	.0	8
36	.24	.09	.14	.0	10
37	.13	.11	.12	.0	6
38	.15	.15	.15	.0	1
39	.13	.13	.13	.0	1
40	.14	.07	.11	.0	9
41	-99.99	-99.99	-99.99	-99.9	-99
42	.14	.08	.10	.0	9

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	.63	.63	.63	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.15	.00	.38	.4	147
18	.51	.30	.38	.1	13
19	.77	.05	.28	.2	21
20	1.18	.06	.42	.3	54
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.11	.07	.27	.2	57
23	1.13	.06	.29	.3	43
24	.79	.10	.26	.2	10
25	1.00	.12	.42	.4	12
26	.16	.08	.12	.0	7
27	.41	.07	.17	.1	32
28	.50	.05	.15	.1	16
29	.26	.04	.15	.1	52
30	.25	.02	.14	.1	50
31	.26	.02	.13	.1	40
32	.21	.06	.13	.0	32
33	.49	.00	.13	.1	224
34	.20	.06	.13	.0	26
35	.46	.09	.26	.2	12
36	.24	.05	.14	.0	32
37	.24	.03	.15	.0	32
38	.11	.11	.11	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	.18	.18	.18	.0	1
41	.14	.11	.13	.0	4
42	.17	.06	.13	.0	14

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	.86	.21	.56	.2	6
16	.48	.02	.30	.2	5
17	.45	.00	.12	.1	53
18	1.02	.38	.70	.5	2
19	.23	.08	.15	.1	9
20	1.40	.06	.56	.3	123
21	-99.99	-99.99	-99.99	-99.9	-99
22	.80	.00	.26	.2	93
23	.69	.02	.22	.2	39
24	.67	.03	.25	.2	18
25	.39	.00	.12	.1	20
26	.29	.12	.19	.1	5
27	.37	.05	.15	.1	25
28	.20	.05	.15	.1	8
29	.41	.04	.13	.1	82
30	.22	.08	.12	.0	17
31	.25	.06	.13	.0	43
32	.47	.05	.19	.1	22
33	.45	.01	.13	.1	233
34	.24	.05	.13	.0	22
35	.15	.15	.15	.0	1
36	1.58	.00	.16	.3	29
37	.23	.04	.13	.0	39
38	.41	.08	.17	.1	15
39	.17	.10	.13	.0	4
40	.31	.03	.15	.1	10
41	.22	.11	.17	.0	5
42	.30	.21	.26	.1	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.33	.00	.18	.1	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.48	.05	.27	.1	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	.56	.04	.23	.1	52
23	.16	.01	.07	.0	16
24	.17	.11	.13	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.15	.15	.15	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.15	.03	.09	.0	27
30	.25	.00	.09	.1	21
31	.19	.03	.13	.0	15
32	.19	.05	.10	.1	4
33	.40	.02	.13	.0	248
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.09	.09	.09	.0	1
38	.10	.01	.05	.0	14
39	.06	.02	.03	.0	6
40	.29	.00	.05	.1	22
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1b

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.18	.01	.07	.0	17
18	.14	.j,q	.14	.0	1
19	.14	.1Z	.13	.0	2
20	.27	.2P	.24	.0	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	.10	.06	.08	.0	9
24	.21	.11	.18	.1	3
25	-99.99	-99.99	-99.99	-99.9	-99
26	.08	.07	.G7	.CI	4
27	.15	.12	.13	.0	2
28	.07	.07	.07	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	.09	.95	.f?7	.0	32
31	.14	.09	.12	.0	3
32	-99.99	-99.99	-99.99	-99.9	-'?'?
33	.14	.(?4	.10	.0	32
34	.I4	.12	.13	.0	3
35	.18	.10	.15	.0	4
36	.18	.08	.X3	.0	5
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	.13	.06	.1Q	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.18	.00	.28	.4	59
18	.34	.22	.30	.0	6
19	-99.99	-99.99	-99.99	-99.9	-99
20	.63	.21	.40	.2	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.08	.12	.37	.3	16
23	.76	.09	.37	.3	9
24	.11	.11	.11	.0	1
25	.90	.11	.49	.4	8
26	.14	.10	.12	.0	3
27	.11	.10	.11	.0	2
28	.16	.16	.16	.0	1
29	.20	.05	.12	.0	11
30	.23	.03	.13	.1	9
31	.17	.10	.15	.0	3
32	.17	.17	.17	.0	2
33	.19	.05	.11	.0	52
34	.14	.14	.14	.0	1
35	.46	.14	.30	.1	8
36	-99.99	-99.99	-99.99	-99.9	-99
37	.23	.18	.20	.0	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	.62	.43	.52	.1	7
16	.65	.4?	.54	.1	3
17	.22	.02	.09	.1	1.4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	1.17	.12	.51	.3	41
21	-99*99	-99,99	-99*99	-99.9	-99
22	.71	.05	.26	.2	34
23	.58	.13	.29	.2	12
24	.61	.08	.36	.2	5
25	.17	.03	.10	.1	5
26	.19	.18	.18	.0	2
27	.23	.11	.16	.0	12
28	.21	.16	.18	.0	2
29	.60	.04	.15	.1	24
30	-99.99	-99.99	-99.99	-99.9	-99
31	.22	.08	.13	.0	11
32	.48	,08	.22	.2	7
33	.31	.04	.15	.1	57
34	.17	.10	.13	.0	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	.19	.06	.13	.0	10
37	.21	.09	.15	.0	3.1
38	.16	.07	.13	.0	9
39	.06	.06	.06	.0	1
40	.28	.03	.15	.1	4
41	.42	.13	.23	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.32	.10	.18	.1	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.23	.10	.16	.1	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	.34	.05	.19	.1	11
23	.16	.00	.06	.1	7
24	.16	.12	.14	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.17	.16	.17	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.14	.01	.08	.0	19
30	.26	.06	.13	.1	5
31	.20	.08	.15	.0	8
32	-99.99	-99.99	-99.99	-99.9	-99
33	.29	.06	.12	.0	53
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.08	.02	.06	.0	8
39	.05	.03	.04	.0	2
40	.10	.02	.04	.0	14
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1c

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99,99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99*9	-99
17	.19	.00	.07	.1	14
18	.16	..s5	.16	.0	2
1 9	.11	.11	.11	.0	1
20	.24	●05	.13	.1	6
21	-99.99	-99.99	-9?.99	-99.9	-99
22	-99,99	-99.99	-99.99	-99.9	-99
23	.10	.07	●gcj	●	O 5
24	.16	.10	●13	●	O 4
25	'-99.99	-99.99	-99.99	-99.9	-99
26	.09	.07	.08	.0	2
27	.16	.11	.14	.0	7
28	●18	.15	.17	.0	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	.10	,07	.08	.0	5
31	.14	.06	.11	●	0 8
32	-99.99	-99,99	-5?9.99	-99.9	-99
33	●15	●03	.12	.0	13
3'4	.13	.11	.12	.0	3
35	●20	.09	.14	.0	5
36	.15	.08	●	ll .0	7
37	-99.99	-99*99	-99.99	-99.9	-99
38	-99.99	-99*99	-99.99	-99.?	-99
39	-99*99	-99.99	-99.99	-99.9	-99
40	●19	.07	.12	.0	6
41	-99,99	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99*99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.22	.01	.06	.1	24
18	.30	.11	.21	.1	6
19	-99.99	-99.99	-99.99	-99.9	-99
20	.36	.14	.21	.1	11
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.03	.12	.45	.3	19
23	.75	.09	.38	.2	10
24	.11	.07	.09	.0	2
25	.92	.11	.55	.3	8
26	.13	.11	.12	.0	4
27	.11	.11	.11	.0	1
28	.24	.20	.22	.0	2
29	.21	.03	.12	.1	12
30	.24	.03	.14	.1	12
31	.18	.07	.13	.0	6
32	.16	.13	.15	.0	4
33	.17	.05	.12	.0	23
34	.13	.11	.12	.0	2
35	.46	.10	.20	.1	8
36	-99.99	-99.99	-99.99	-99.9	-99
37	.23	.21	.22	.0	4
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.14	.11	.13	.0	4

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	.23	.23	● 23	● !2	1
16	.15	●11	.13	.0	2
17	.04	.02	●Q3	.0	3
18	-99.99	-99*99	-99.99	-99.9	-99
19	.26	.26	.26	.0	1
20	1.10	.06	.36	.2	42
21	-99.99	-99.99	-99.99	-99.9	-99
22	.47	.05	.18	.1	31
23	.25	.01	.16	● 1	11
2 4	.58	.21	.38	● 2	4
25	.16	.06	.11	.0	6
2 6	.20	.17	●19	.0	3
27	.21	.10	.16	.0	22
28	.17	.10	.14	● J.	2
29	.28	●04	.11	● O	31
30	-99.99	-99*99	-99.99	-99.9	-99
3 1	.30	.08	.14	.1	15
32	.15	.09	.12	● O	8
33	.30	.04	●13	.1	57
34	.21	.11	.19	.0	6
35	-99.99	-99,99	-99.99	-99.9	-99
36	●22	.00	●12	.0	32
37	.22	.06	.1.5	.0	32
38	"*09	.05	●07	.0	2
39	-99.99	-99.99	-99.?9	-99.9	-99
40	.09	*C)?	.08	.0	2
41	.17	.08	.12	.0	6
42	-99.99	-99.99	-?'7.?9	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.24	.03	.09	.1	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.35	.08	.21	.1	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	.32	.06	.16	.1	15
23	.14	.14	.14	.0	1
24	.16	.07	.11	.0	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.23	.20	.22	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.17	.02	.09	.0	10
30	.16	.02	.07	.1	4
31	.17	.07	.13	.0	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	.22	.06	.12	.0	26
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.12	.01	.07	.0	6
39	.05	.03	.04	.0	2
40	.24	.03	.14	.1	21
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1d

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.21	.00	.11	.1	6
18	.32	.10	.21	.2	2
19	.10	.05	.08	.0	2
20	.12	.12	.12	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	.18	.09	.13	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.16	.04	.12	.0	9
28	.13	.13	.13	.0	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	.09	.04	.06	.0	11
31	.19	.08	.13	.0	9
32	-99.99	-99.99	-99.99	-99.9	-99
33	.14	.02	.09	.0	35
34	.13	.12	.12	.0	3
35	.20	.00	.12	.1	5
36	.17	.01	.11	.0	8
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.16	.08	.12	.0	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.14	.01	.07	.1	5
18	.26	.06	.14	.1	3
19	.16	.01	.06	.1	4
20	.26	.05	.13	.1	9
21	-99.99	-99.99	-99.99	-99.9	-99
22	.67	.11	.33	.2	12
23	.49	.03	.23	.2	11
24	.16	.05	.11	.1	2
25	.32	.10	.17	.1	6
26	.14	.02	.07	.1	5
27	.10	.10	.10	.0	2
28	.19	.16	.18	.0	3
29	.20	.00	.07	.1	9
30	.21	.00	.11	.1	12
31	.16	.06	.10	.0	6
32	.15	.09	.13	.0	4
33	.16	.03	.09	.0	55
34	.10	.09	.10	.0	2
35	.11	.03	.06	.0	5
36	.13	.07	.10	.0	2
37	.22	.04	.11	.1	6
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.11	.02	.06	.1	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	.11	.08	.10	.0	3
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	.08	.08	.08	.0	1
20	.42	.07	.24	.1	17
21	-99.99	-99.99	-99.99	-99.9	-99
22	.21	.03	.11	.1	27.
23	.09	.06	.07	.0	4
24	.10	.05	.07	.0	2
25	.15	.04	.10	.1	3
26	.19	.09	.15	.1	3
27	.12	.01	.10	.1	21
28	-99.99	-99.99	-99.99	-99.9	-99
29	.07	.900	.05	.0	19
30	-99.99	-99.99	-99.99	-99.9	-99
31	.14	.04	.07	.0	15
32	.31	.05	.08	.0	7
33	.15	.02	.08	.0	66
34	.16	.06	.11	.0	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	.14	.01	.08	.0	39
37	.20	.01	.10	.0	34
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.29	.05	.17	.2	2
41	.08	.05	.07	.0	4
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.02	.00	.01	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.18	.00	.09	.1	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	.10	.04	.07	.0	9
23	-99.99	-99.99	-99.99	-99.9	-99
24	.12	.05	.09	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.08	.06	.07	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.12	.00	.05	.0	14
30	-99.99	-99.99	-99.99	-99.9	-99
31	.17	.02	.08	.0	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	.21	.00	.06	.0	44
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.10	.03	.05	.0	6
39	-99.99	-99.99	-99.99	-99.9	-99
40	.38	.03	.16	.1	34
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1 e

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99*99	-99.99	-99.9	-99
3 6	-99.99	-99.99	-99.99	-99*9	-99
17	● 10	.04	.06	.0	4
18	● 06	.05	.06	.0	2
19	.03	.03	*03	.0	1
20	.10	.10	.10	.0	?.
21	-99*99	-99.99	-99.99	-99.9	-99
22	-99*99	-99*99	-99,99	-99.9	-99
23	-99.99	-99.99	-99*9Q	-97.9	-99
24	.11	.09	.10	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.10	.00	.06	.1	4
28	● 14	.08	.11	.0	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.02	.02	.02	.0	2
32	-.99.99	-99*99	-99.99	-99.9	-99
33	.13	.01	● 64	● 0	22
34	.11	.08	.10	● O	2
35	.12	● 05	.09	.0	4
36	..07	.01	.04	,0	4
37	-99*99	-99*99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40.	.02	.02	● (-)2	.0	1
4 1	-99.9?	-99.99	-99.99	-99.9	-99
42	-99*99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.49	-99.99	-99.9	-99
1.6	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.04	.(34	.04	.0	1
21	-99.99	-99.99	-99,'39	-99.9	-99
22	.64	● (3P.	● ?7	.2	8
23	.33	.03	● 14	"*1	7
24	.09	.06	● O7	.02	
25	.23	.08	.15	.1	4
26	.04	.01	● P2	● 0	3
27	.10	.07	● G9	.0	2
28	.13	.05	.09	.1	?
29	.04	.00	.01	● 0	6
30	.08	● :)n	.03	● P	.?
31	● 09	.00	● 93	● 0	2
32	.11	● pn	● fJfi	.1	?
33	.17	.01	.04	● p	32
34	*07	.(?1	.04	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99*9?	-99.99	-99,99	-99.9	-99
37	.05	.00	● q2	.0	2
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.04	.04	.04	.0	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	--99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99*99	-99.99	-99.9	-99
20	.36	● 04	● 14	● 1	10
21	-99.99	-99.99	-99.99	-99.9	-99
2 2	,36	.00	● 10	● J.	12
23	.04	.04	.04	.0	1
.24	.05	.05	.05	.0	1
25	.08	.03	.06	.0	2
26	.08	● 06	● 07	.0	2
27	.06	.00	.03	.0	14
28	-99*99	-99.99	-99.99	-99.9	-99
29	● 04	.00	.02	● 0	8
30	-99.99	-99.99	-99.99	-99.9	-99
31	.02	.00	.01	● o	10
32	.06	.03	.04	.0	4
33	.08	.01	● 03	.0	35
34	.05	● 03	.04	.0	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	.02	.00	.01	.0	6
37	.15	.00	● rJlj	● H	19
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.01	.01	.01	.0	1
41	.04	● G3	.03	.0	2
42	-99*99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.00	.00	.00	.0	1
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99*99	-99.99	-99.9	-99
22	● QQ	.00	.03	.0	7
23	-99.99	-99.99	-99.99	-99.9	-99
24	.05	.03	.04	.0	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.05	.04	.04	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.12	.01	.04	.0	5
30	-99.99	-99.99	-99.99	-99.9	-99
31	.06	.00	.04	● fl	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	.05	● @n	.02	● P,	30
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.04	.01	.02	.0	3
39	-99.99	-99.99	-99,9'?	-99.9	-99
40	.06	.01	.03	.0	o
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 1f

CHLOROPHYLL-A (MG/M**3) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.02	.02	.02	.0	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	.08	.01	.04	.0	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	.04	.01	.02	.0	22
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.06	.06	.06	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	.31	.10	.18	.1	3
23	.32	.02	.11	.1	4
24	-99.99	-99.99	-99.99	-99.9	-99
25	.09	.06	.08	.0	2
26	.01	.00	.01	.0	2
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.00	.00	.00	.0	16
30	.04	.00	.00	.0	10
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.14	.00	.03	.0	32
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	.06	.02	.03	.0	6

SUMMER

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.37	.03	.12	.2	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	.19	.06	.13	.1	3
23	-99.99	-99.99	-99.99	-99.9	-99
24	.02	.02	.02	.0	1
25	.12	.12	.12	.0	1
26	.02	.02	.02	.0	1
27	.05	.00	.03	.0	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	.02	.00	.01	.0	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	.06	.00	.01	.0	7
32	.05	.02	.03	.0	3
33	.24	.00	.03	.0	31
34	.03	.03	.03	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	.01	.00	.00	.0	2
37	.12	.01	.05	.0	8
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.00	.00	.00	.0	1
41	.03	.01	.02	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.04	.00	.02	.0	4
23	-99.99	-99.99	-99.99	-99.9	-99
24	.05	.02	.03	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.03	.03	.03	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	.03	.00	.01	.0	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	.06	.00	.03	.0	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	.03	.00	.01	.0	31
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.00	.00	.00	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	.05	.00	.02	.0	8
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 2

TOTAL CHLOROPHYLL-A (MG/M**2) 1958 - 1974

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99,99	-99.99	-99.99	-99.9	-99
17	1.54	.48	.85	.3	13
18	1.51	1.51	1.51	.0	1
19	1.29	1.29	1.29	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99,9?	-99.99	-99.9	-99
22	'-99.99	-99*99	-99*99	-99.9	-9'?
23	1.15	.87	1.02	.1	6
24	1.35	1.16	1.25	.1	2
25	-99.99	-99*99	-99.99	-99.9	-99
26	1.16	1.08	1.12	.1	2
27	1.53	1.31	1.39	.1	3
28	1.45	1*45	1.45	.0	1
%9	-99.99	-99.99	-99.99	-99.9	-99
30	1.20	.97	1.08	.1	16
31	1.43	1.35	1.40	.0	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	1.82	1"06	1.24	.2	18
34	1*35	1.12	1.24	.2	2
35	1.48	1.30	1.38	.1	3
36	1.50	1.18	1.35	.2	4
37	-99.99	-99,99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.'?9	-99.99	-99.99	-99.9	-99
40	1.42	1.23	1.32	.1	2
41	-99.99	-99*99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.25	.32	1.14	.6	40
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	1.52	1.52	1.52	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	2.46	1.28	1.69	.4	11
23	2.26	1.05	1.63	.5	5
24	1.19	1.19	1.19	.0	1
25	2.13	1.29	1.69	.5	4
26	1.26	1.10	1.18	.1	2
27	1.26	1.26	1.26	.0	1
28	1.68	1.68	1.68	.0	1
29	1.49	.70	1.19	.3	8
30	1.56	1.02	1.33	.2	5
31	1.38	1.36	1.37	.0	2
32	1.41	1.35	1.38	.0	2
33	1.37	.90	1.17	.1	25
34	1.38	1.38	1.38	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	1.48	1.48	1.48	.0	1
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	1.29	1.23	1.26	.0	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99*99	-99.99	-99*99	-99.9	-99
16	1.86	1.86	1.86	.0	1
17	1.28	.11	.69	.4	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	2.49	.00	1.25	1.8	2
20	2.01	1.34	1.58	.3	5
21	-99*99	-99.99	-99.99	-99.9	-99
22	2.10	.87	1.36	.4	27
23	.54	.54	.54	.0	1
24	2.00	2.00	2.00	.0	1
25	1.10	.72	.97	.2	5
26	1.46	1.46	1.46	.0	1
27	1.51	1.05	1.32	.2	6
28	-99.9$'	-99*99	-9'9.99	-99.9	-99
29	1.27	.73	1.07	.2	20
30	-99.99	-99.99	-99.99	-99.9	-99
31	1.38	.93	1.15	.2	7
32	1.58	1.16	1.31	.2	3
33	1.50	.74	1.18	.2	39
34	1.50	1.46	1.48	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	1*39	1.04	1.22	.2	2
37	1.39	.89	1.23	.1	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.71	.23	.71	.0	1
41	1.38	1.33	1.35	.0	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.46	1.00	1.21	.1	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	1.66	.77	1.29	.2	11
23	1.17	.34	.75	.3	5
24	1.12	1.04	1.08	.1	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	1.27	1.27	1.27	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	1.22	.58	.93	.2	10
30	.74	.43	.55	.2	3
31	1.37	.96	1.17	.2	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	1.43	.87	1.17	.2	28
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.86	.32	.67	.2	4
39	.65	.56	.60	.1	2
40	1.39	.52	.88	.3	10
41	-99.99	-99.99	-99.99	-99.9	-99

TABLE 3a

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 0-10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.35	.01	.09	*1	31
18	.36	.31	.34	.0	2
19	.45	.13	.26	.1	5
20	●85	●I4	.51	.2	14
21	.22	.22	.22	.0	1
22	.14	.14	.14	.0	1
23	.18	.07	.13	.0	17
24	●3?	.18	.29	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	.14	.12	.13	•0	4
27	.16	.01	●	1O	.13
28	.24	●24	●Z4	.0	7
29	.15	.15	.15	.0	1
30	.32	.08	●S3	.1	23
31	-99.99	-99.99	-99.99	-99.9	-99
32	●29	.22	.26	.1	2
33	.90	.01	●26	●2	148
34	.26	.11	.]. 8	.1	5
35	.28	.20	.25	.0	4
36	●25	.19	.22	.0	3
37	-99.99	-99.99	-99.99	-99.9	-99
38	●39	.39	.39	.0	1
39	-99.99	-99.99	-9?,99	-99.9	-99
40	.14	.14	.14	● 9	1
41	.01	●01	.01	.0	1
42	1.01	.08	.43	.4	4

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	1.20	1.20	1.20	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.56	.01	.70	.5	123
18	1.08	.76	.90	.2	4
19	.78	.29	.54	.4	2
20	1.53	.07	.73	.4	67
21	-99.99	-99.99	-99.99	-99.9	-99
22	.40	.17	.28	.1	18
23	.69	.21	.43	.2	3
24	1.18	.22	.55	.5	3
25	.26	.11	.17	.1	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	.39	.13	.28	.1	8
28	.24	.16	.19	.0	3
29	.63	.11	.25	.1	22
30	.73	.08	.26	.2	16
31	.35	.00	.20	.1	16
32	.42	.03	.19	.1	9
33	1.59	.03	.33	.3	220
34	.43	.22	.32	.1	4
35	.98	.25	.56	.2	5
36	.59	.17	.29	.2	5
37	.43	.12	.34	.1	9
38	.47	.47	.47	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	.38	.38	.33	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	1.33	1.33	1.33	● 0	1
16	,64	*27	,47	.2	3
17	1.10	.00	.35	.3	50
18	-99.99	-99.99	-99.99	-99.9	-99
-?.9	.97	.00	.51	.5	3
20	1.20	.00	●47	.3	82
21.-	-99*99	-99.99	-99.99	-99.9	-99
22	1.04	*10	.44	*2	80
23	1.05	.15	.52	.3	13
24	.99	.10	.38	•4	4
25	●35	●14	.23	.1	14
26	-99.99	-99.99	-99,99	-99.9	-99
27	1.13	.03	.58	.8	2
28	● 30	.30	.30	.0	1
29	.74	.06	.26	.1	62
30	.83	.10	.35	.3	5
31	.73	.13	.32	.2	7
32	.46	.14	.35	.2	3
33	1.44	.02	●4?	●4	198
34	.53	.33	.43	.1	3
35	-99*99	-99.99	-99.99	-99.9	-99
36	●44	.07	.23	.2	3
37	.31	●13	.22	.1	4
38	,47	.05	.22	.1	7.4
39	.29"	.13	●	2I .1	?
40	.38	.12	.28	● I	5
41	-99.99	-99.99	-99.?9	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.95	.03	.44	.2	32
18	-99.99	-99.99	-99.99	-99.9	-99
19	.49	.02	.21	.2	6
20	.72	.07	.39	.2	16
21	-99.99	-99.99	-99.99	-99.9	-99
22	.77	.08	.38	.2	52
23	.18	.05	.11	.0	8
24	.33	.09	.26	.1	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.44	.02	.25	.2	4
28	-99.99	-99.99	-99.99	-99.9	-99
29	.35	.02	.21	.1	19
30	.31	.01	.14	.1	16
31	.42	.33	.37	.0	5
32	.11	.05	.08	.0	2
33	1.32	.00	.42	.3	196
34	-99.99	-99.99	-99.99	-99.9	-99
35	.01	.01	.01	.0	1
36	-99.99	-99.99	-99.99	-99.9	-99
37	.16	.07	.12	.1	2
38	.35	.14	.25	.1	9
39	-99.99	-99.99	-99.99	-99.9	-99
40	.28	.18	.23	.1	2
41	.01	.01	.01	.0	1
42	.02	.02	.02	.0	1

TABLE 3b

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 10.1-25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.30	.00	.05	.1	17
18	.26	.26	.26	.0	1
19	.23	.13	.18	.1	2
20	.60	.00	.20	.3	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	.10	.01	.06	.0	3
24	.30	.22	.26	.1	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	.09	.07	.08	.0	4
27	.20	.20	.20	.0	1
28	.20	.20	.20	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	.13	.02	.08	.0	22
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.31	.06	.07	.1	30
34	.14	.14	.14	.0	1
35	.16	.06	.12	.1	3
36	.19	.13	.16	.0	2
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.01	.00	.20	.3	52
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.88	.03	.27	.3	13
21	-99.99	-99.99	-99.99	-99.9	-99
22	.24	.11	.18	.1	8
23	-99.99	-99.99	-99.99	-99.9	-99
24	.18	.18	.18	.0	1
25	.24	.08	.16	.1	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	.29	.12	.20	.1	2
28	.28	.28	.28	.0	1
29	.22	.09	.16	.0	11
30	.09	.00	.03	.0	6
31	.12	.00	.05	.1	6
32	.17	.03	.10	.1	3
33	.67	.01	.14	.2	53
34	.27	.27	.27	.0	1
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	.21	.05	.09	.1	5
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.54	.02	.12	.2	12
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.59	.00	.09	.1	25
21	-99.99	-99.99	-99.99	-99.9	-99
22	.82	.06	.30	.2	31
23	-99.99	-99.99	-99.99	-99.9	-99
24	.23	.16	.19	.0	2
25	.21	.09	.15	.0	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.42	.03	.20	.1	21
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	1.20	.00	.28	.4	50
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.31	.12	.22	.1	6
39	.24	.24	.24	.0	1
40	.46	.32	.39	.1	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.50	.00	.18	.2	14
18	-99.99	-99.99	-99.99	-99.9	-99
19	.03	.03	.03	.0	2
20	.09	.02	.05	.0	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	.35	.02	.15	.1	11
23	.02	.00	.01	.0	2
24	.28	.00	.14	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.27	.04	.15	.2	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	.27	.03	.15	.1	12
30	.34	.11	.23	.1	4
31	.36	.03	.11	.2	4
32	-99.99	-99.99	-99.99	-99.9	-99
33	.69	.00	.18	.2	45
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.24	.02	.11	.1	6
39	-99.99	-99.99	-99.99	-99.9	-99
40	.24	.24	.24	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 3c

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 25.1-50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.03	.00	.01	.0	15
18	.15	.02	.09	.1	2
19	.02	.02	.02	.0	1
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	.03	.00	.01	.0	5
24	.07	.07	.07	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	.00	.00	.00	.0	2
27	.17	.10	.13	.0	2
28	.11	.01	.06	.1	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	.02	.00	.01	.0	3
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.16	.00	.03	.1	5
34	.07	.00	.04	.0	2
35	.04	.00	.02	.0	3
36	.10	.02	.06	.0	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.15	.00	.02	.0	19
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	.05	.02	.03	.0	6
23	-99.99	-99.99	-99.99	-99.9	-99
24	.10	.02	.06	.1	2
25	.06	.04	.05	.0	2
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	.22	.15	.18	.1	2
29	.17	.03	.07	.1	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	.09	.09	.09	.0	1
32	.05	.00	.03	.0	2
33	.34	.00	.07	.1	19
34	.20	.05	.12	.1	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.07	.01	.04	.0	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.26	.00	.03	.1	13
21	-99.99	-99.99	-99.99	-99.9	-99
22	.32	.00	.02	.1	19
23	-99.99	-99.99	-99.99	-99.9	-99
24	.05	.05	.05	.0	1
25	.06	.01	.04	.0	4
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	.16	.00	.05	.1	17
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.90	.00	.17	.2	29
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	.14	.13	.13	.0	2
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.53	.00	.09	.2	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	.02	.02	.02	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	.08	.00	.05	.0	6
23	-99.99	-99.99	-99.99	-99.9	-99
24	.09	.01	.05	.1	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.03	.03	.03	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	.09	.01	.04	.0	8
30	.08	.00	.03	.0	3
31	.02	.02	.02	.0	1
32	-99.99	-99.99	-99.99	-99.9	-99
33	.78	.00	.17	.2	17
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	.05	.01	.03	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 3d

PRIMARY PRODUCTIVITY (MG/M**3/HR) 1958-1974 50,1-100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.01	.00	.00	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	.00	.00	.00	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	.02	.00	.01	.0	6
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.13	.00	.02	.0	12
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	.23	.01	.12	.2	2
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.01	.00	.01	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	.02	.02	.02	.0	1
29	.04	.04	.04	.0	1
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.22	.00	.03	.1	16
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.24	.00	.05	.1	7
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	.01	.00	.00	.0	2
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	-99.99	-99.99	-99.99	-99.9	-99
32	-99.99	-99.99	-99.99	-99.9	-99
33	.17	.00	.03	.1	11
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4a

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 .0 - 10.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	3.59	3.59	3.59	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.11	3.39	3.59	.1	57
18	4.00	3.95	3.97	.0	2
19	3.96	3.07	3.43	.3	9
20	5.16	2.07	3.62	1.2	23
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.57	4.18	4.32	.1	6
23	4.67	2.66	3.89	.6	19
24	4.68	4.23	4.38	.2	7
25	-99.99	-99.99	-99.99	-99.9	-99
26	4.15	2.88	3.67	.6	5
27	4.95	3.97	4.40	.4	12
28	4.88	3.52	4.44	.4	7
29	4.28	4.15	4.20	.1	3
30	4.40	2.49	3.60	.4	27
31	4.36	2.81	3.70	.5	11
32	3.96	2.79	3.38	.5	7
33	4.65	1.45	3.72	.5	31
34	4.43	3.74	4.07	.2	13
35	4.29	3.92	4.15	.1	6
36	3.96	3.02	3.56	.3	15
37	3.52	2.98	3.27	.2	4
38	2.19	2.19	2.19	.0	1
39	2.35	2.35	2.35	.0	1
40	2.65	2.00	2.26	.3	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	3.16	1.64	2.46	.6	7

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	3.48	3.48	3.48	.0	1
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.64	1.00	1.94	1.3	218
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.43	1.61	2.93	1.1	14
20	5.03	1.00	2.76	.9	61
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.73	2.97	4.11	.7	27
23	5.86	1.10	3.97	.8	26
24	6.75	2.81	4.37	1.0	10
25	4.67	2.81	4.21	.6	20
26	4.47	4.47	4.47	.0	2
27	5.96	3.58	4.42	.5	21
28	5.58	3.92	4.62	.5	13
29	4.74	1.55	4.23	.6	71
30	4.62	1.18	3.90	.5	73
31	4.51	2.98	3.92	.3	68
32	4.29	2.95	3.62	.3	50
33	5.31	1.76	3.82	.6	61
34	4.94	3.29	4.02	.5	24
35	-99.99	-99.99	-99.99	-99.9	-99
36	7.95	2.32	3.68	1.2	19
37	3.83	1.92	3.11	.4	56
38	3.36	3.36	3.36	.0	1
39	-99.99	-99.99	-99.99	-99.9	-99
40	3.33	3.33	3.33	.0	1
41	2.32	2.00	2.20	.1	5
42	3.70	2.12	2.71	.5	11

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	2.93	1.61	2.27	.9	2
16	1.18	1.18	1.18	.0	1
17	2.07	1.00	1.47	.4	49
18	-99.99	-99.99	-99.99	-99.9	-99
19	2.76	1.00	1.81	.6	7
20	4.86	1.00	2.08	1.1	110
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.12	1.92	3.49	.9	45
23	3.82	1.30	2.62	.9	13
24	3.24	2.47	2.87	.4	5
25	4.37	3.52	3.91	.4	7
26	4.74	2.70	4.06	1.2	3
27	4.75	3.13	4.24	.5	20
28	4.71	3.73	4.23	.5	4
29	4.37	2.35	3.42	.6	28
30	3.74	2.51	3.22	.3	12
31	4.38	2.95	3.53	.4	18
32	3.55	1.00	2.24	1.0	19
33	5.57	1.00	2.85	1.0	73
34	4.29	2.07	3.52	.6	17
35	-99.99	-99.99	-99.99	-99.9	-99
36	3.65	1.34	2.59	.7	11
37	3.22	1.00	2.36	.6	36
38	2.85	2.77	2.81	.1	2
39	2.76	2.76	2.76	.0	1
40	2.77	1.90	2.39	.4	3
41	1.10	1.00	1.06	.1	5
42	2.35	1.45	1.90	.6	2

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.00	1.14	1.72	.5	52
18	-99.99	-99.99	-99.99	-99.9	-99
19	1.55	1.55	1.55	.0	1
20	4.91	1.10	2.63	1.6	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.55	2.77	3.93	.7	5
23	-99.99	-99.99	-99.99	-99.9	-99
24	3.00	2.74	2.87	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	3.13	1.90	2.72	.7	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.24	2.00	3.39	.8	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	4.54	1.61	2.78	.6	13
32	-99.99	-99.99	-99.99	-99.9	-99
33	3.49	1.45	2.94	.4	59
34	-99.99	-99.99	-99.99	-99.9	-99
35	2.02	2.02	2.02	.0	1
36	-99.99	-99.99	-99.99	-99.9	-99
37	1.64	1.64	1.64	.0	1
38	1.26	1.00	1.11	.1	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.00	1.00	1.00	.0	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4b

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 10.1 - 25.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.14	3.44	3.64	.2	26
18	4.02	4.02	4.02	.0	1
19	3.92	3.89	3.91	.0	2
20	5.21	5.02	5.11	.1	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	4.29	3.61	4.03	.2	8
24	4.22	4.21	4.21	.0	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	3.86	2.57	3.34	.5	4
27	4.49	4.49	4.49	.0	1
28	4.38	4.38	4.38	.0	1
29	-99.99	-99.99	-99.99	-99.9	-99
30	4.43	3.29	3.80	.3	23
31	3.87	3.00	3.44	.6	2
32	-99.99	-99.99	-99.99	-99.9	-99
33	4.64	3.29	3.71	.3	17
34	4.24	4.06	4.18	.1	3
35	4.18	3.95	4.03	.1	4
36	3.90	3.70	3.81	.1	5
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	2.24	2.24	2.24	.0	1
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.65	1.00	2.38	1.3	75
18	-99.99	-99.99	-99.99	-99.9	-99
19	2.41	2.41	2.41	.0	1
20	5.09	2.57	3.98	1.1	7
21	-99.99	-99.99	-99.99	-99.9	-99
22	3.52	3.00	3.23	.3	4
23	4.48	3.42	4.13	.4	5
24	4.68	4.68	4.68	.0	1
25	4.01	2.81	3.15	.6	4
26	4.47	4.47	4.47	.0	1
27	4.43	4.42	4.42	.0	2
28	4.58	4.58	4.58	.0	1
29	4.49	3.90	4.17	.3	3
30	4.35	3.38	3.99	.4	4
31	4.15	3.51	3.93	.4	3
32	3.92	3.33	3.66	.2	4
33	4.83	1.92	3.54	.7	17
34	3.90	3.22	3.56	.5	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	3.35	2.68	3.00	.3	3
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	2.05	2.05	2.05	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	1.22	1.00	1.09	.1	11
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.16	1.00	3.33	1.3	37
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.07	2.59	4.14	.7	11
23	-99.99	-99.99	-99.99	-99.9	-99
24	3.26	3.26	3.26	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	4.74	4.74	4.74	.0	2
27	4.72	4.40	4.56	.1	9
28	-99.99	-99.99	-99.99	-99.9	-99
29	3.87	2.26	3.07	1.1	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	4.42	4.42	4.42	.0	1
32	2.90	1.00	1.70	.8	7
33	5.15	1.38	2.75	1.0	33
34	4.30	3.91	4.16	.2	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	3.21	1.79	2.35	.5	12
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	1.14	1.00	1.08	.1	5
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.41	1.55	1.94	.2	25
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.12	5.12	5.12	.0	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.95	2.72	3.84	1.6	2
23	-99.99	-99.99	-99.99	-99.9	-99
24	3.00	2.74	2.87	.1	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	3.24	3.13	3.19	.1	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	3.82	3.00	3.40	.4	4
30	-99.99	-99.99	-99.99	-99.9	-99
31	3.03	1.58	2.56	.5	8
32	-99.99	-99.99	-99.99	-99.9	-99
33	3.51	2.02	2.91	.4	23
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	1.22	1.00	1.11	.1	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.00	1.00	1.00	.0	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4c

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 25.1 - 50.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.85	3.42	3.71	.3	35
18	4.07	4.06	4.07	.0	2
19	3.90	3.90	3.90	.0	1
20	5.21	4.93	5.08	.1	6
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	4.23	2.24	3.30	1.0	4
24	4.04	4.04	4.04	.0	1
25	-99.99	-99.99	-99.99	-99.9	-99
26	3.30	3.10	3.20	.1	2
27	4.74	3.87	4.44	.5	3
28	4.64	4.62	4.63	.0	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	4.23	3.36	3.87	.3	5
31	3.87	3.00	3.45	.4	3
32	-99.99	-99.99	-99.99	-99.9	-99
33	4.02	3.42	3.64	.3	4
34	4.23	3.63	3.96	.3	3
35	4.29	3.86	4.16	.2	5
36	3.95	3.48	3.82	.2	7
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	2.24	2.00	2.12	.2	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.66	1.34	3.24	1.1	86
18	-99.99	-99.99	-99.99	-99.9	-99
19	2.61	2.61	2.61	.0	1
20	5.32	2.49	4.29	1.2	11
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.89	3.03	3.67	.6	9
23	4.48	3.49	4.17	.3	9
24	4.17	4.15	4.16	.0	2
25	4.29	2.92	3.60	.6	6
26	4.47	4.45	4.46	.0	3
27	4.38	4.38	4.38	.0	1
28	4.62	4.62	4.62	.0	2
29	4.58	4.14	4.36	.2	8
30	4.34	3.36	3.96	.4	8
31	4.15	3.55	3.94	.3	6
32	3.92	3.36	3.68	.2	7
33	4.07	2.24	3.52	.7	6
34	3.92	3.42	3.71	.3	3
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	3.36	2.74	3.10	.3	5
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	2.00	2.00	2.00	.0	1
42	3.16	2.39	2.77	.5	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	2.00	1.26	1.55	.4	3
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	6.16	1.26	3.94	1.3	39
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.13	2.26	4.07	.9	24
23	4.23	4.23	4.23	.0	1
24	4.01	4.01	4.01	.0	1
25	4.79	4.39	4.54	.2	4
26	4.75	4.74	4.75	.0	3
27	4.72	3.51	4.50	.3	19
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.82	2.51	3.72	.8	14
30	-99.99	-99.99	-99.99	-99.9	-99
31	4.45	4.43	4.44	.0	3
32	3.08	1.34	2.10	.7	8
33	4.14	1.61	2.99	.8	34
34	4.31	3.91	4.08	.2	5
35	-99.99	-99.99	-99.99	-99.9	-99
36	2.86	2.86	2.86	.0	1
37	3.54	1.87	2.53	.5	30
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	1.30	1.14	1.22	.1	6
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.72	2.07	2.60	.6	20
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.56	5.29	5.38	.1	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	4.24	2.76	3.58	.8	3
23	-99.99	-99.99	-99.99	-99.9	-99
24	4.69	3.27	3.89	.5	6
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	4.32	3.48	3.88	.4	3
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.12	3.26	3.69	.6	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	3.95	1.70	3.08	.6	17
32	-99.99	-99.99	-99.99	-99.9	-99
33	3.95	2.55	3.22	.5	9
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	2.92	2.17	2.54	.5	2
39	-99.99	-99.99	-99.99	-99.9	-99
40	1.87	1.00	1.24	.3	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4d

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 50.1 - 100.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.11	3.55	4.07	.4	25
18	4.83	3.92	4.37	.6	2
19	5.22	3.95	4.58	.9	2
20	5.22	4.94	5.12	.2	3
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	4.20	3.86	4.03	.2	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	4.81	3.87	4.47	.4	6
28	4.74	4.46	4.60	.2	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	4.06	3.18	3.65	.3	5
31	3.87	3.00	3.44	.3	10
32	-99.99	-99.99	-99.99	-99.9	-99
33	4.69	3.41	3.91	.4	20
34	4.23	4.10	4.13	.1	4
35	4.52	3.97	4.29	.2	5
36	5.28	3.63	4.05	.5	8
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	2.45	2.00	2.22	.2	6
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.69	1.76	4.24	.5	77
18	-99.99	-99.99	-99.99	-99.9	-99
19	3.38	3.38	3.38	.0	1
20	5.39	2.53	4.46	1.2	12
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.02	4.24	4.90	.7	9
23	5.26	4.17	4.52	.4	9
24	4.40	4.40	4.40	.0	1
25	5.50	4.42	4.80	.4	6
26	4.88	4.45	4.61	.2	3
27	4.49	4.43	4.46	.0	2
28	4.62	4.37	4.53	.1	3
29	4.79	4.18	4.43	.2	8
30	4.36	3.38	3.97	.4	8
31	4.24	3.63	4.00	.3	6
32	4.21	3.42	3.81	.3	8
33	4.75	1.84	3.77	.6	24
34	3.96	3.59	3.87	.2	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	3.42	2.99	3.17	.2	6
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	2.30	2.17	2.24	.1	2
42	4.00	2.61	3.30	1.0	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.32	2.10	3.79	1.2	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.75	2.83	4.60	.8	13
23	5.35	5.35	5.35	.0	1
24	-99.99	-99.99	-99.99	-99.9	-99
25	4.86	4.86	4.86	.0	1
26	5.95	4.74	5.15	.7	3
27	6.05	4.40	4.83	.5	19
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.16	3.44	3.79	.3	7
30	-99.99	-99.99	-99.99	-99.9	-99
31	4.95	4.45	4.62	.3	3
32	3.62	1.52	2.62	.8	7
33	5.78	1.38	3.31	.9	53
34	4.67	3.95	4.25	.2	6
35	-99.99	-99.99	-99.99	-99.9	-99
36	3.30	3.30	3.30	.0	1
37	3.91	2.17	2.91	.5	28
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	2.02	1.41	1.72	.3	4
47	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-?9.99	-99.99	-99.99	-99.9	-99
16	-99*99	-99.99	-99.99	-99.9	-99
17	5.13	2.61	3.32	.7	18
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.40	5.04	5.30	.2	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.48	2.66	4.34	1.2	4
23	-99.99	-99.99	-99.99	-99.9	-99
24	5*77	4.11	4.94	.8	4
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	4.82	4.58	4.70	.2	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.36	2.02	3.33	.8	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	4.46	2.07	3.67	.7	16
32	-99.99	-99.99	-99.99	-99.9	-99
33	5.36	2.72	3.91	.5	28
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	3.74	1.10	2.81	1.2	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	2.76	1.64	2.37	.4	7
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4e

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 100.1 - 150.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.74	4.14	4.62	.6	10
18	5.51	5.21	5.36	.2	2
19	5.59	5.59	5.59	.0	1
20	5.23	5.23	5.23	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	5.01	4.17	4.59	.6	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	6.33	4.90	5.58	.6	4
28	6.39	5.63	6.01	.5	2
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	5.00	3.87	4.31	.4	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	7.01	3.83	4.81	.7	18
34	5.00	5.00	5.00	.0	1
35	5.53	4.52	5.16	.4	4
36	5.75	5.37	5.59	.2	4
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	3.61	2.24	2.82	.5	5
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.72	4.32	4.54	.1	27
18	-99.99	-99.99	-99.99	-99.9	-99
19	4.95	4.68	4.81	.2	2
20	4.96	4.96	4.96	.0	1
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.43	4.59	5.85	.7	6
23	6.58	5.38	5.90	.4	6
24	4.86	4.55	4.70	.2	2
25	6.47	5.51	6.00	.4	4
26	6.48	6.09	6.29	.3	2
27	4.45	4.43	4.44	.0	2
28	6.28	5.42	5.85	.6	2
29	6.50	4.20	5.24	.9	6
30	4.81	4.12	4.51	.3	5
31	5.56	4.20	5.07	.8	3
32	5.46	3.69	4.35	.9	4
33	7.25	3.36	4.66	1.1	18
34	6.64	4.15	5.38	1.0	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	4.85	4.28	4.57	.3	3
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	3.18	3.18	3.18	.0	1
42	-99.99	-99.99	-99.99	-99.9	-99

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.54	3.41	4.53	.6	10
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.48	3.90	4.86	.7	5
23	4.90	4.90	4.90	.0	1
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	6.86	6.66	6.76	.1	2
27	6.66	5.47	6.26	.3	13
28	-99.99	-99.99	-99.99	-99.9	-99
29	4.80	4.24	4.52	.4	2
30	-99.99	-99.99	-99.99	-99.9	-99
31	6.29	6.07	6.18	.2	2
32	4.79	3.85	4.30	.4	4
33	6.35	1.82	4.89	.8	44
34	6.05	4.42	5.46	.7	4
35	-99.99	-99.99	-99.99	-99.9	-99
36	4.82	4.82	4.82	.0	1
37	5.49	3.03	4.18	.7	19
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	3.51	3.46	3.49	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.46	3.56	4.01	.4	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.47	3.07	4.27	1.7	2
23	-99.99	-99.99	-99.99	-99.9	-99
24	7.00	4.83	6.03	1.0	4
25	-99.99	-99.99	-99.99	99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	6.11	5.42	5.76	.5	2
28	-99.99	-99.99	-99.99	-99.9	-99
29	6.10	3.22	4.52	1.5	3
30	-99.99	-99.99	-99.99	-99.9	-99
31	5.41	4.10	4.71	.4	12
32	-99.99	-99.99	-99.99	-99.9	-99
33	6.16	3.63	4.94	.6	26
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	3.74	2.21	3.23	.7	4
39	-99.99	-99.99	-99.99	-99.9	-99
40	3.59	2.74	3.30	.5	3
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

TABLE 4f

NITRATE (NO3) (MICROGRAM-AT/L) 1958 - 1974 150.1 - *99.0 METERS

WINTER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.87	3.51	4.43	.4	7
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	-99.99	-99.99	-99.99	-99.9	-99
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	6.00	5.74	5.83	.1	8
28	-99.99	-99.99	-99.99	-99.9	-99
29	-99.99	-99.99	-99.99	-99.9	-99
30	-99.99	-99.99	-99.99	-99.9	-99
31	6.48	4.47	5.73	.5	26
32	-99.99	-99.99	-99.99	-99.9	-99
33	7.89	4.62	5.72	.9	18
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	6.56	3.32	5.15	1.1	17
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

SPRING

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	5.01	4.32	4.62	.2	33
18	-99.99	-99.99	-99.99	-99.9	-99
19	6.61	5.23	6.27	.5	10
20	5.39	5.25	5.32	.1	2
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.72	6.30	6.47	.2	3
23	6.94	6.40	6.61	.3	3
24	-99.99	-99*99	-99.99	-99.9	-99
25	6.70	6.39	5.54	.2	2
26	6.74	6*74	6.74	.0	1
27	-99.99	-99.99	-99.99	-99.9	-99
28	-99.99	-99.99	-99.99	-99.9	-99
29	7.51	5.29	6,72	.5	16
30	7.01	4.58	6.12	.9	8
31	-99.99	-99.99	-99.99	-99.9	-99
32	6.69	5.29	6.44	.4	16
33	7.65	3.74	5.65	1.1	15
34	6.64	5.77	6.46	.3	8
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	6.64	5.70	6.46	.2	11
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	6.63	4.22	5.81	.9	8
42	4.90	3.83	4.37	.8	2

SUMMER

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	-99.99	-99.99	-99.99	-99.9	-99
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	5.86	4.52	5.14	.6	4
21	-99.99	-99.99	-99.99	-99.9	-99
22	5.69	3.83	4.92	.6	7
23	-99.99	-99.99	-99.99	-99.9	-99
24	-99.99	-99.99	-99.99	-99.9	-99
25	4.79	4.79	4.79	.0	1
26	6.93	6.93	6.93	.0	1
27	6.76	6.52	6.64	.1	6
28	-99.99	-99.99	-99.99	-99.9	-99
29	6.12	2.97	4.91	1.1	6
30	-99.99	-99.99	-99.99	-99.9	-99
31	6.48	6.48	6.48	.0	1
32	5.50	4.51	5.01	.5	3
33	6.77	3.69	5.65	.7	25
34	6.31	6.28	6.30	.0	2
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	5.66	3.89	4.93	.7	9
38	-99.99	-99.99	-99.99	-99.9	-99
39	-99.99	-99.99	-99.99	-99.9	-99
40	-99.99	-99.99	-99.99	-99.9	-99
41	4.14	4.11	4.12	.0	2
42	-99.99	-99.99	-99.99	-99.9	-99

AUTUMN

ZONE	MAX	MIN	MEAN	SD	N
15	-99.99	-99.99	-99.99	-99.9	-99
16	-99.99	-99.99	-99.99	-99.9	-99
17	4.65	4.07	4.37	.3	4
18	-99.99	-99.99	-99.99	-99.9	-99
19	-99.99	-99.99	-99.99	-99.9	-99
20	-99.99	-99.99	-99.99	-99.9	-99
21	-99.99	-99.99	-99.99	-99.9	-99
22	6.84	3.95	5.40	2.0	2
23	-99.99	-99.99	-99.99	-99.9	-99
24	7.07	6.33	6.70	.5	2
25	-99.99	-99.99	-99.99	-99.9	-99
26	-99.99	-99.99	-99.99	-99.9	-99
27	6.56	6.56	6.56	.0	1
28	-99.99	-99.99	-99.99	-99.9	-99
29	5.60	4.15	4.66	.8	3
30	-99.99	-99.99	-99.99	-99.9	-99
31	6.27	4.81	5.53	.6	6
32	-99.99	-99.99	-99.99	-99.9	-99
33	6.92	5.09	5.99	.5	25
34	-99.99	-99.99	-99.99	-99.9	-99
35	-99.99	-99.99	-99.99	-99.9	-99
36	-99.99	-99.99	-99.99	-99.9	-99
37	-99.99	-99.99	-99.99	-99.9	-99
38	3.27	2.76	3.01	.4	2
39	-99.99	-99.99	-99.99	-99.9	-99
40	4.35	4.24	4.30	.1	2
41	-99.99	-99.99	-99.99	-99.9	-99
42	-99.99	-99.99	-99.99	-99.9	-99

Appendix C

After preparing the final version of Tape #2 (Phytoplankton species, File Type '028'), an attempt was made to clarify names of taxa for publication. Therefore, not all the names on the distribution figures correspond with those on the tape. The following list of corresponding species is included for any person examining both the tape and the report:

OCSEAP RU#58 Tape 2 (Revised)		OCSEAP RU#58 Final Report
Fragilariopsis sp.	=	*Nitzschia pseudonana*
Fragilariopsis sp.	=	*Nitzschia* sp. (*Fragilariopsis* group)
Nitzschia seriata	=	*Nitzschia* sp. (*Pseudonitzschia* group)
Pontosphaera sp.	=	*Coccolithus pelagicus*
Coccolithophorid Sp.	=	*Cyclococcolithus* sp. A (similar to *C. leptoporus*)
Coccolithophorid Sp.	=	*Cyclococcolithus* sp. B (similar to C. *fragilis*)
Coccolithophorid Sp.	=	*Coccolithophorid* sp. C (related to *Michaelsarsia*?)
Rhabdosphaera stylifer	=	*Rhabdosphaera tignifer*