# **Map 11.** Wind speed ≦10 and 234 knots

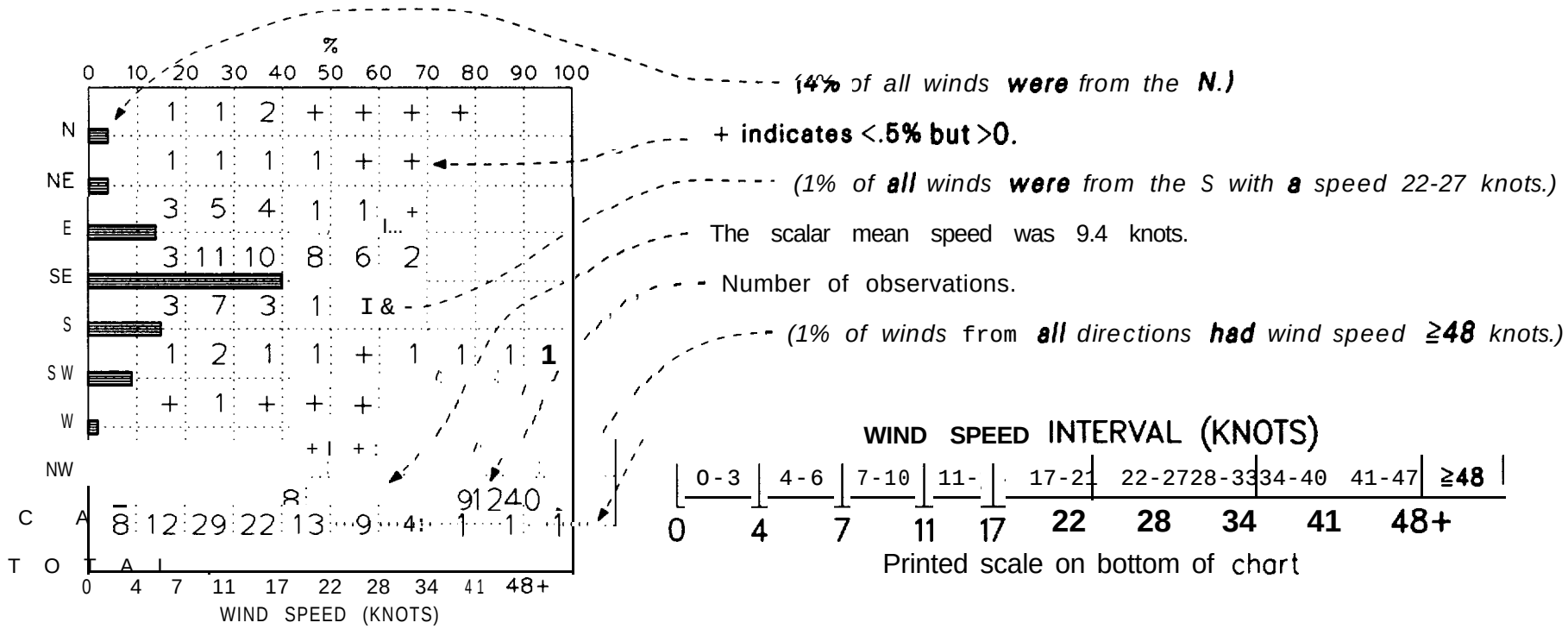
BLACK LINE – Percent frequency of wind speed ≦10 knots (≦12 mph).

BLUE LINE – Percent frequency of wind speed ≧34 knots (≧39 mph).

Albers Equal-Area Conic Projection

# **Graphs:** Wind speed/direction

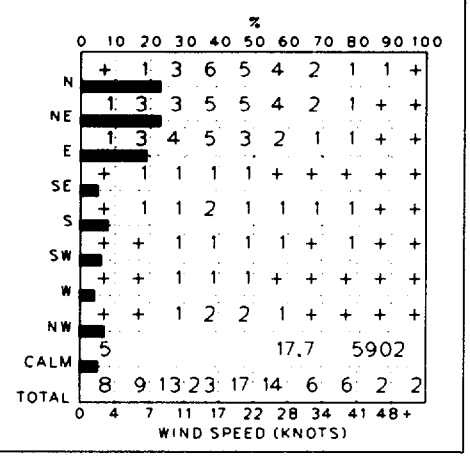
Direction frequency (top scale): Bars represent percent frequency of winds observed from each direction. Speed frequency (bottom scale): Printed figures represent percent frequency of wind speeds observed from each direction.



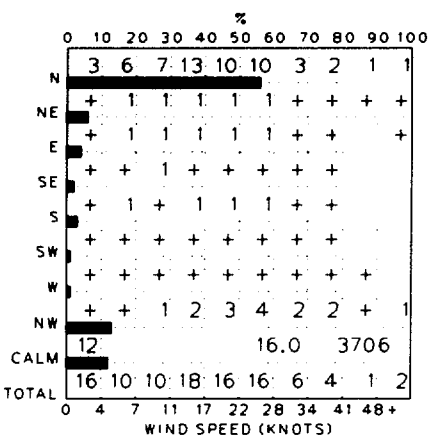

The scalar mean wind speed on the graph is based on the number of observations reporting a wind speed with direction. The sum of the TOTAL line provides the cumulative percent frequency of wind speed below a selected threshold value. In the legend graph, 71% of all winds were less than 17 knots (20 mph). The sum of the percent frequencies of the four wind speed isopleths for a given month and location on Map Sets 11 and 12 should equal 100%.

Surface wind is one of the most commonly observed elements. Many of the observations from the NCDC data base are visual observations based on the roughness of the sea (see table in text of Set 14). In recent years, more ships acquired anemometers and reported measured winds. Prior to 1963, many of the winds were recorded in the Beaufort scale; such estimates have proven to be quite reliable and can be used with a high degree of confidence.

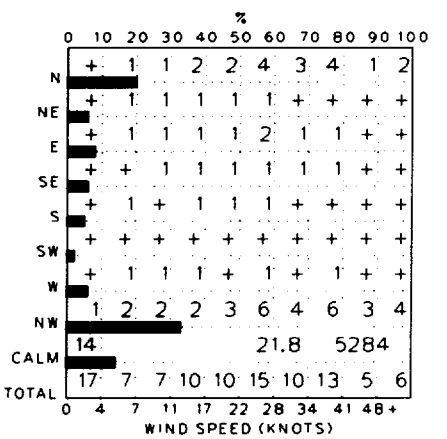
**Nikol'skoe**



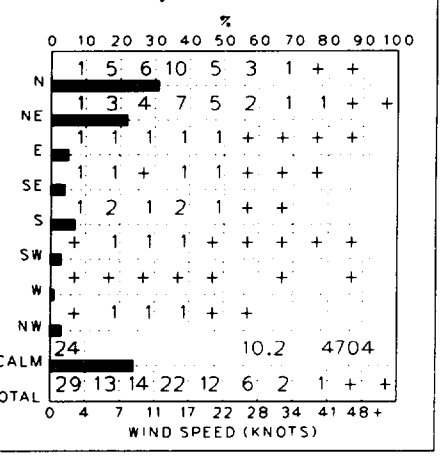

**Khatirka-In-Chukot**



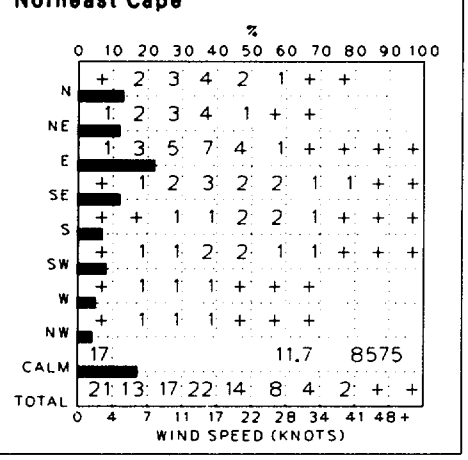

**Ugol'naja**



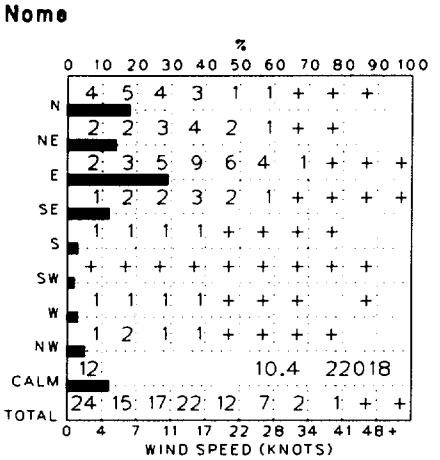

**Buhta Providenja**



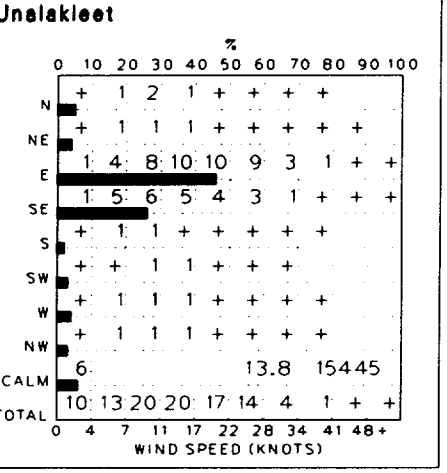

**Norheast Cape**



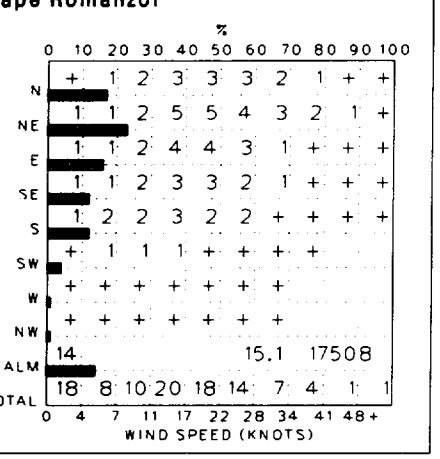

**Nome**



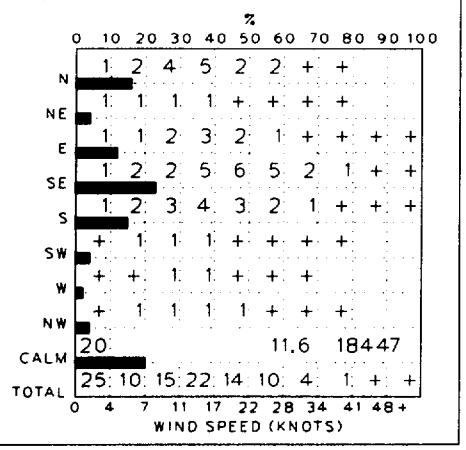

**Unalakleet**



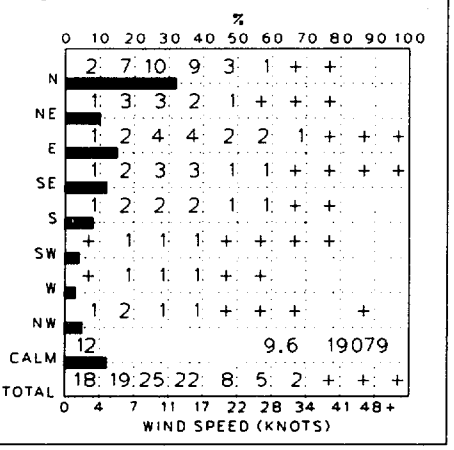

**Cape Romanzof**



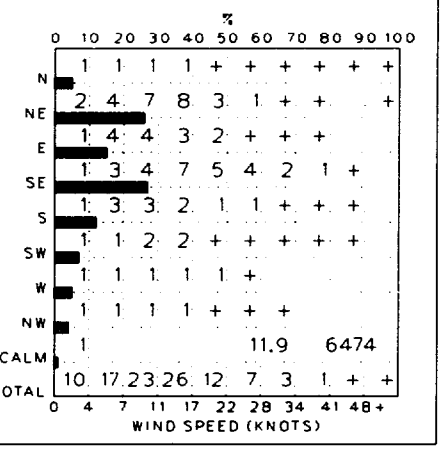

**Cape Newenham**



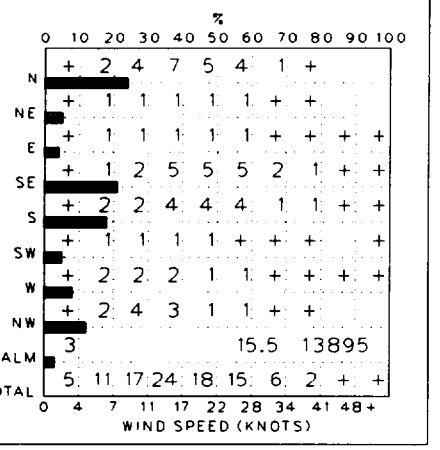

**King Salmon**



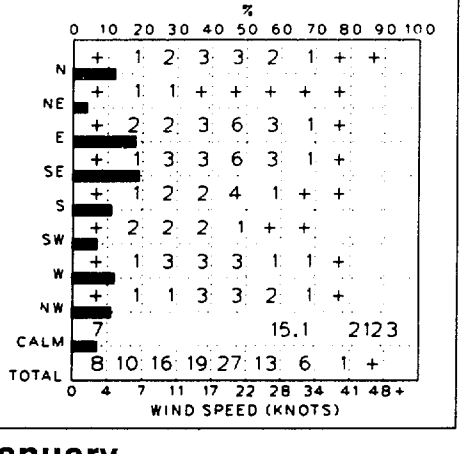

**Port Heiden**



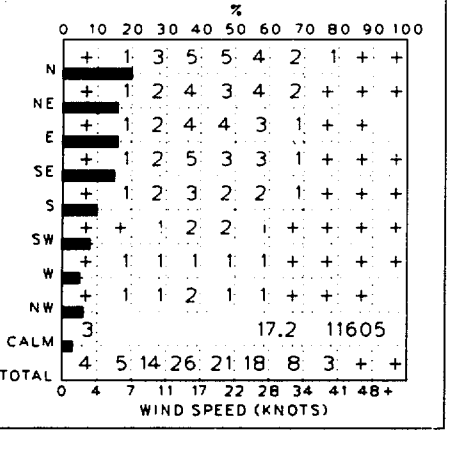

**Cold Bay**




**Nikolski**




**St. Paul**

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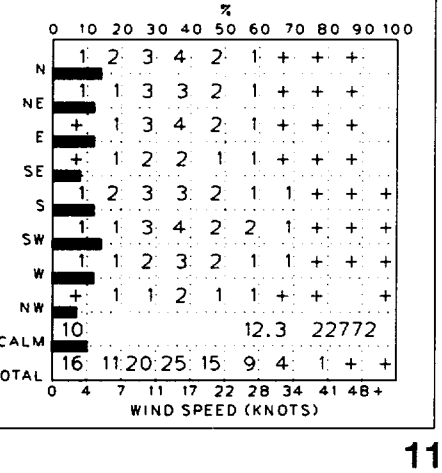
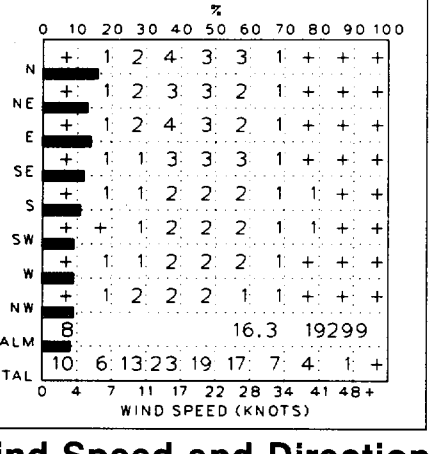
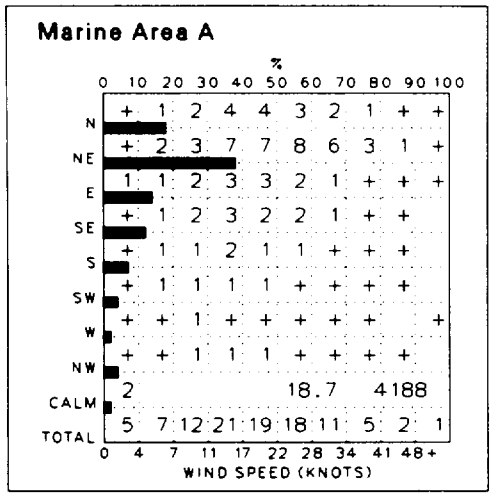
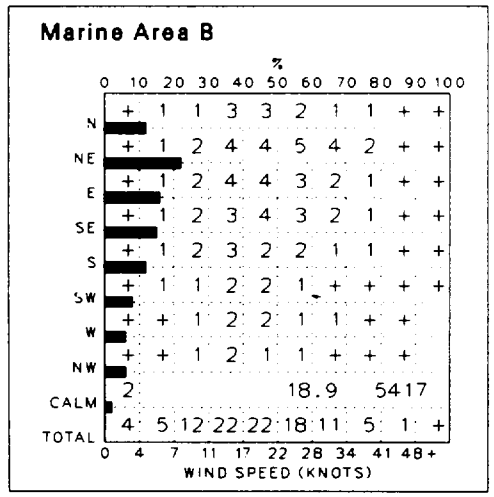
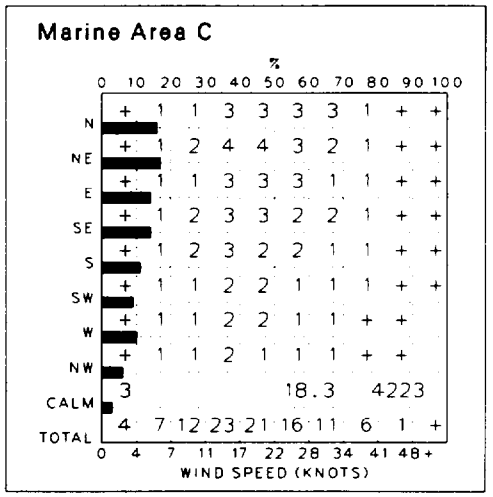


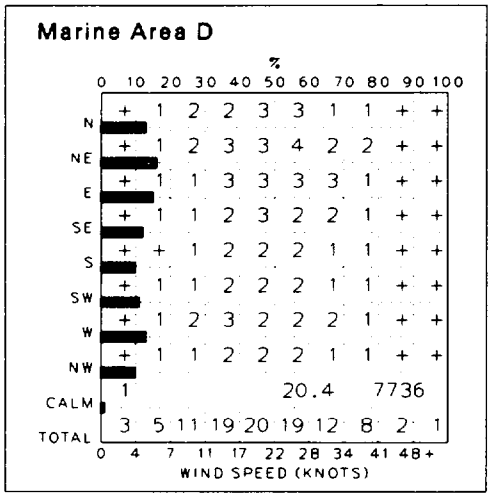

**Shemya**

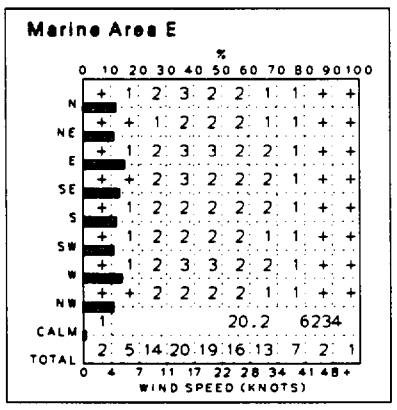


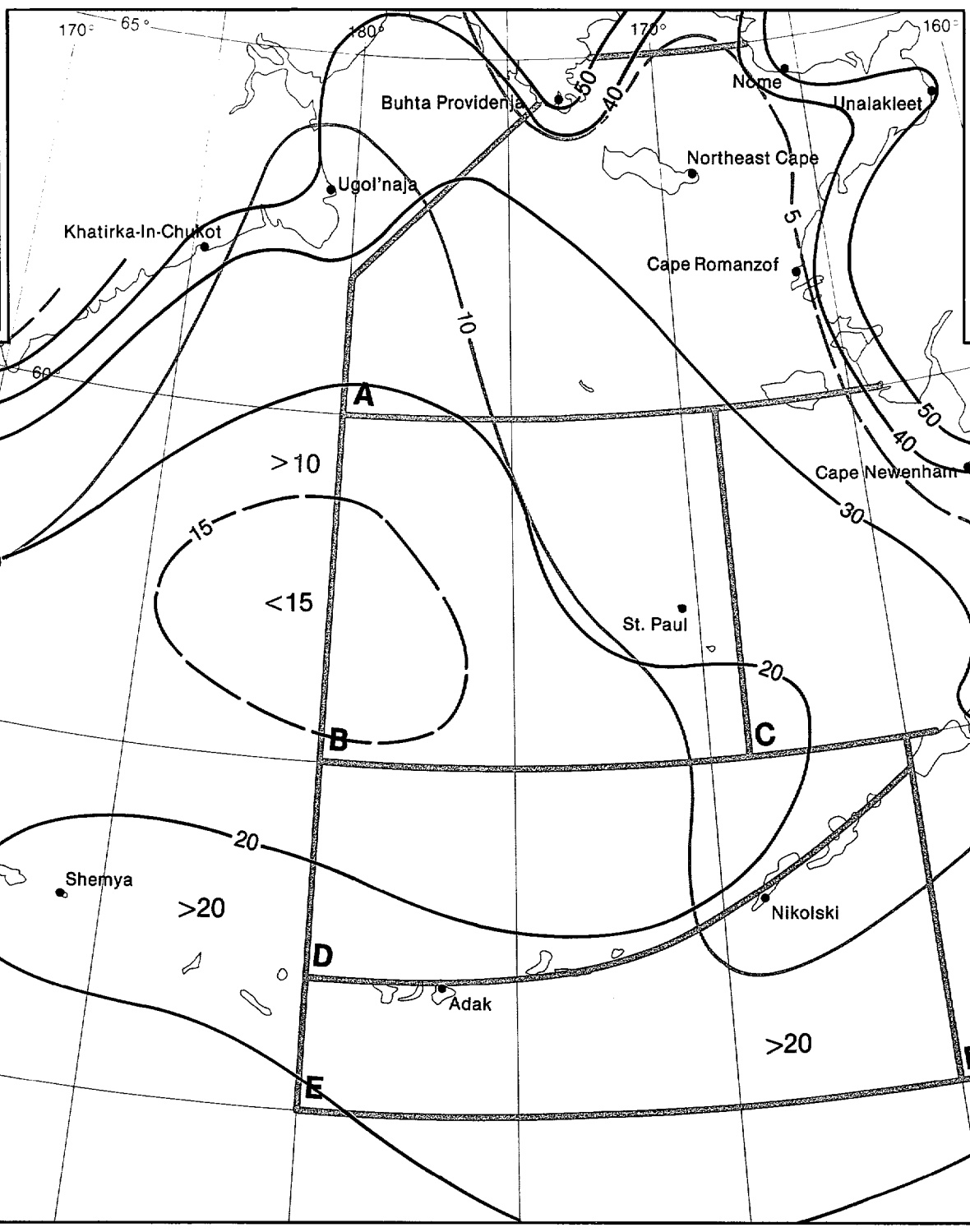


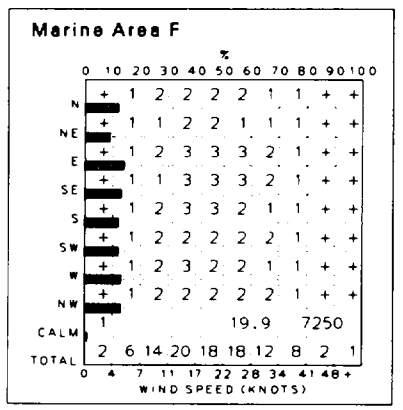



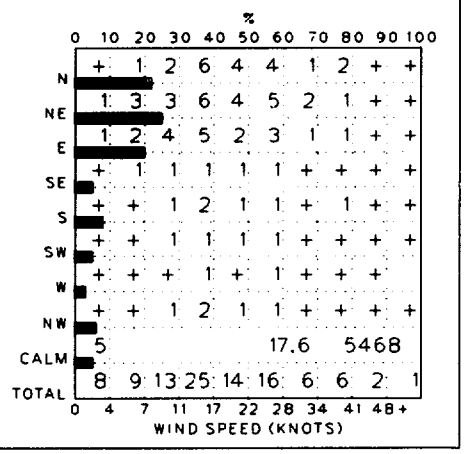



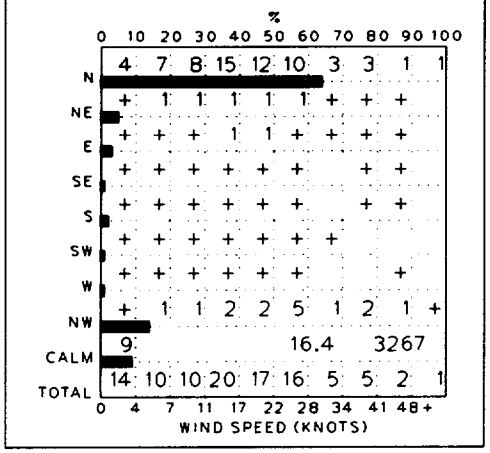




**11 Wind Speed ≦10 and ≧34 Knots** **January**

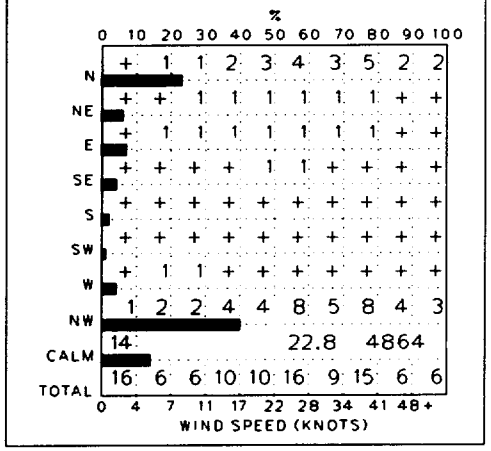
### Nikol'skoe



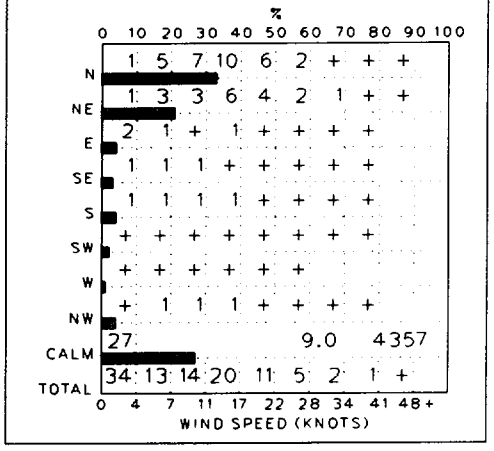

### Khatirka-In-Chukot



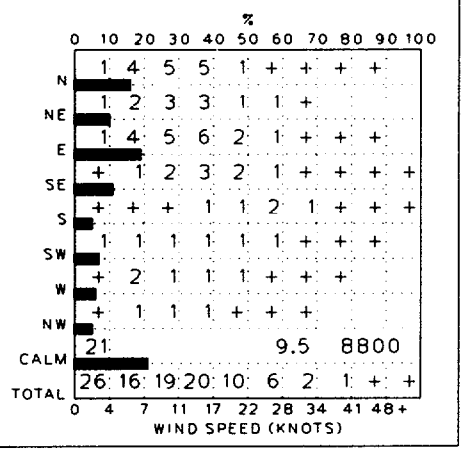

### Ugol'naja



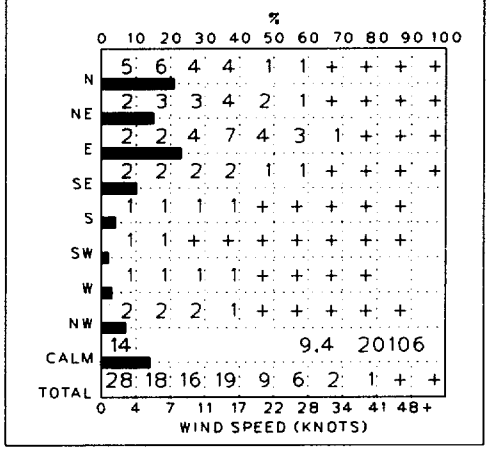

### Buhta Providenja



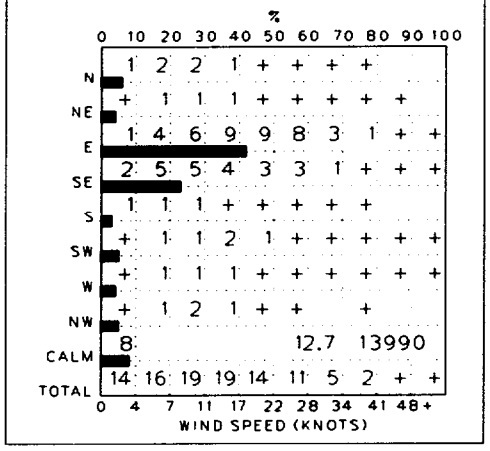

### Norheast Cape



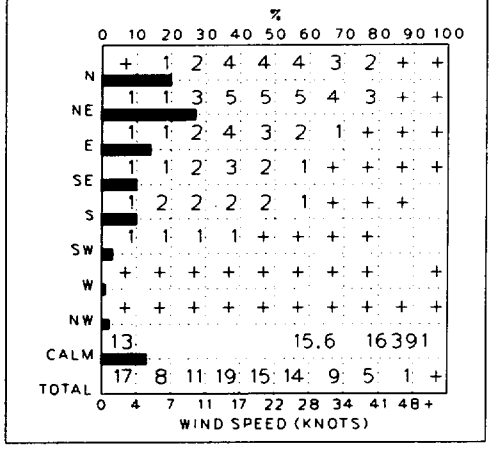

### Nome



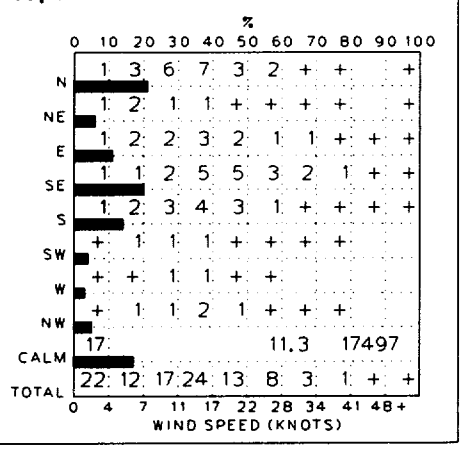

### Unalakleet



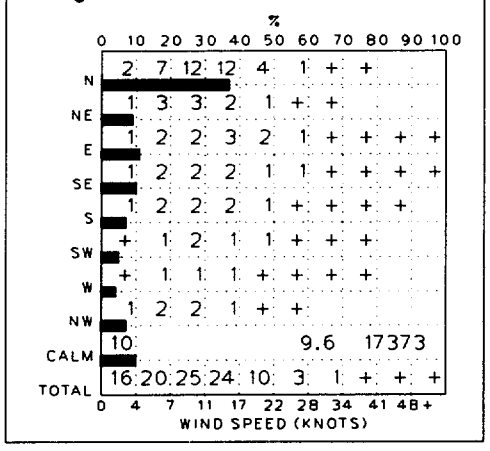

### Cape Romanzof



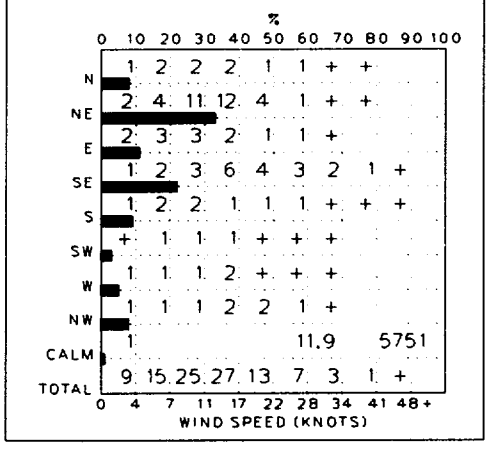

### Cape Newenham



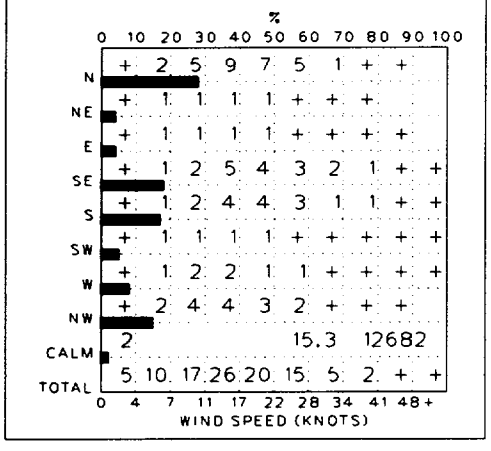

### King Salmon



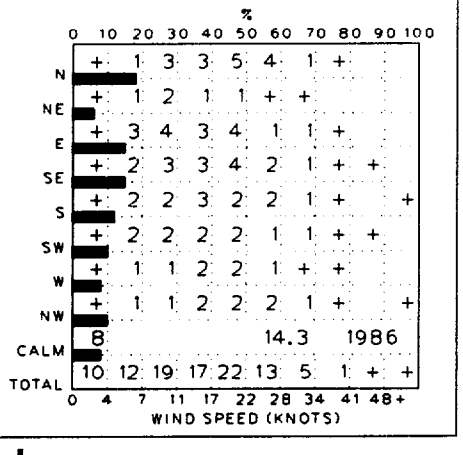

### Port Heiden



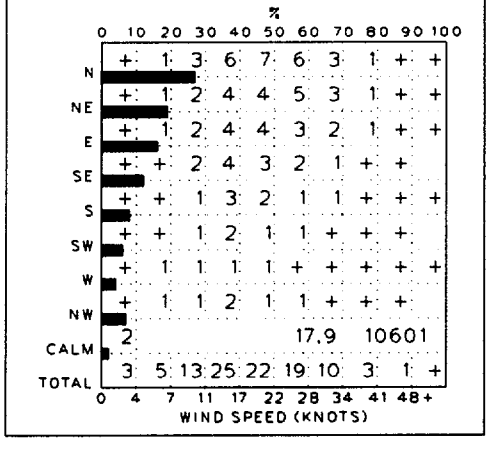

### Cold Bay




### Nikolski




### St. Paul

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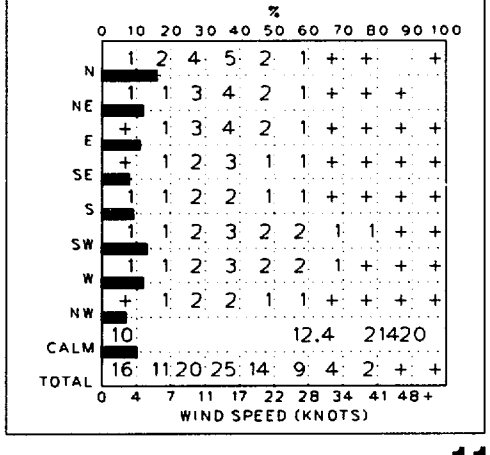
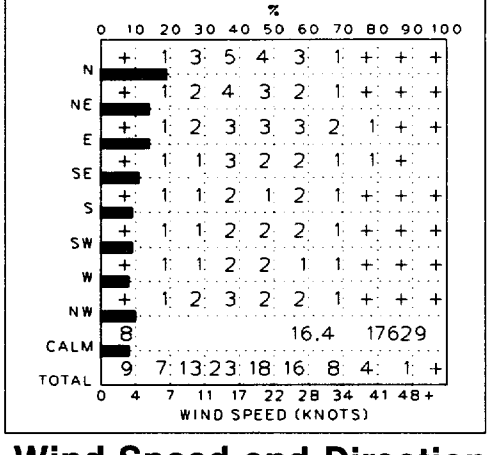
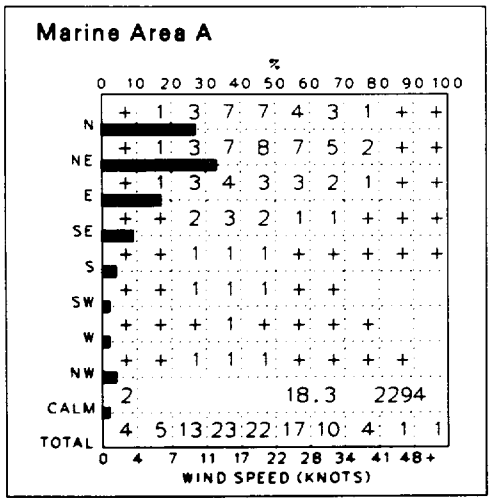
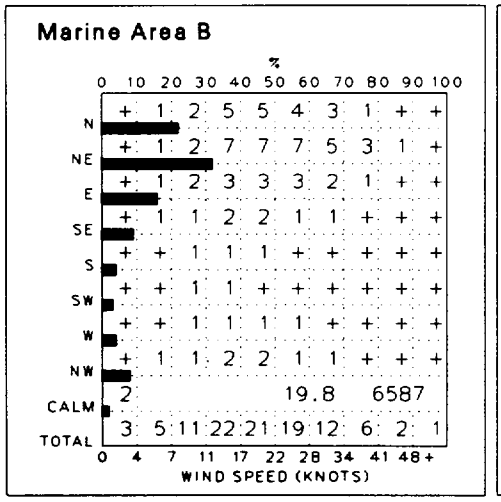
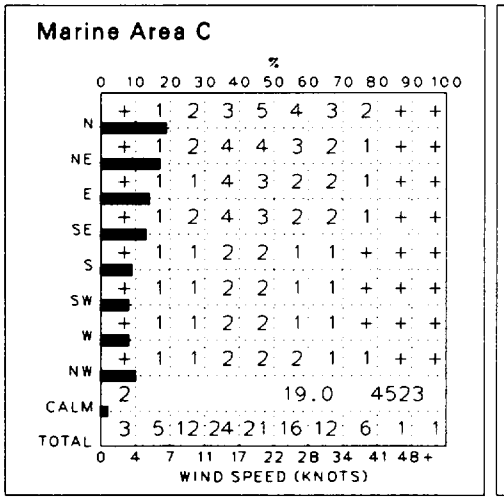


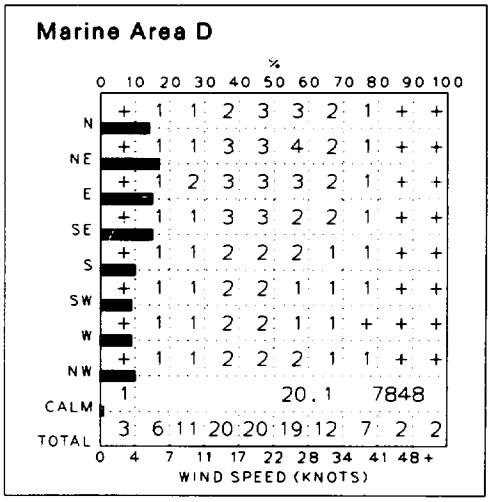

### Shemya

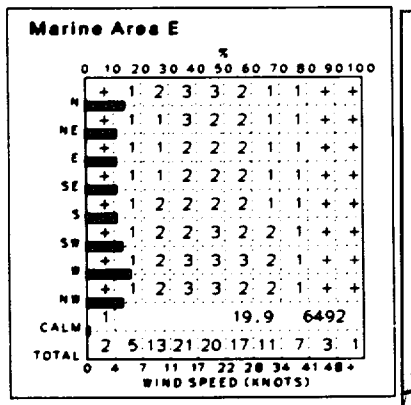


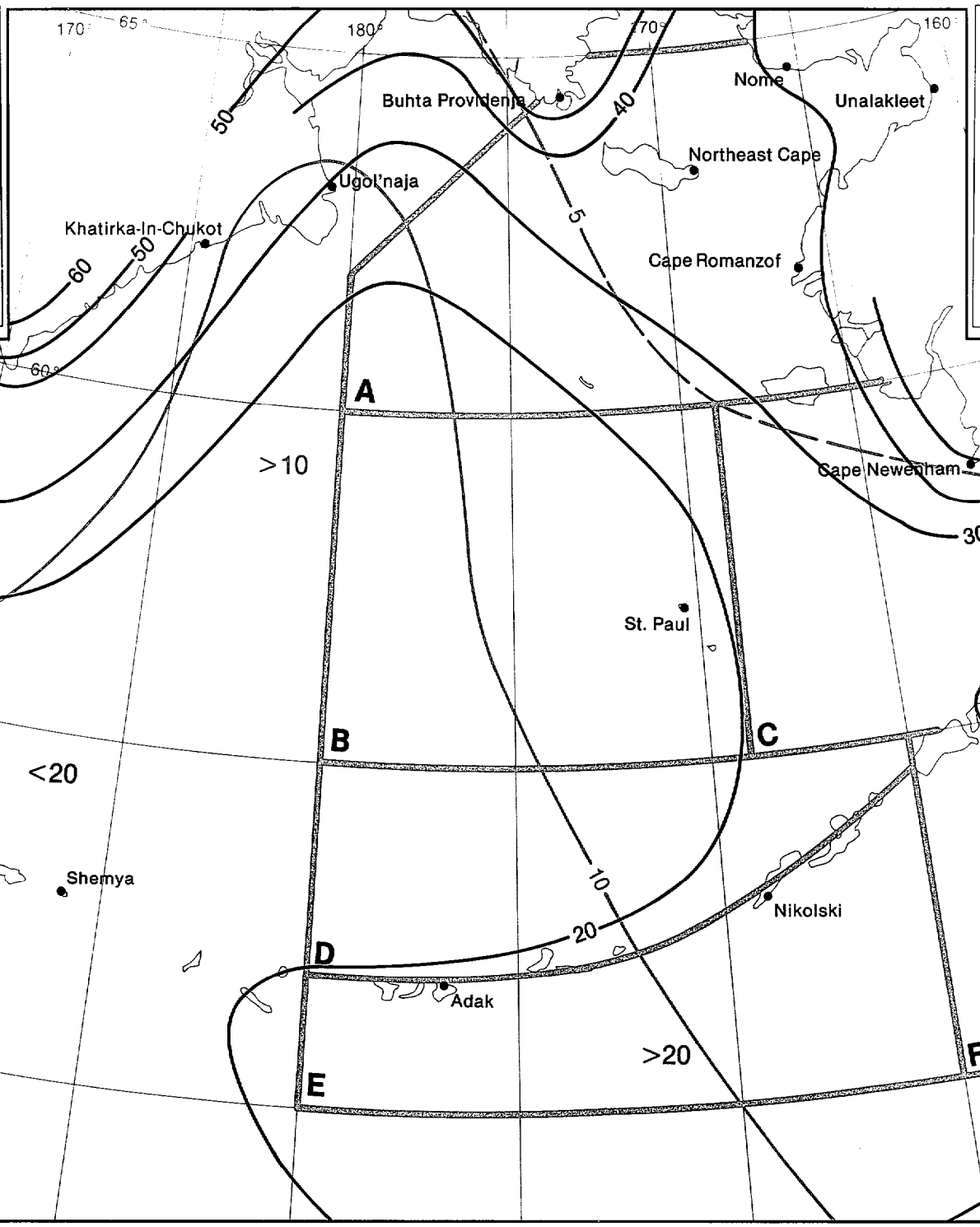


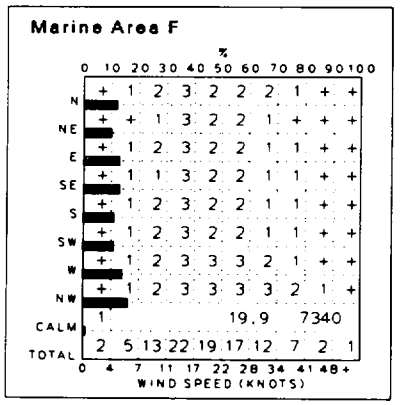



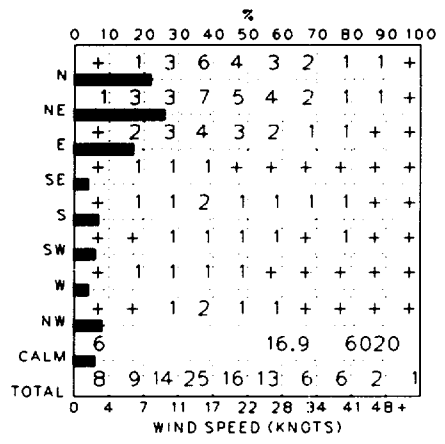



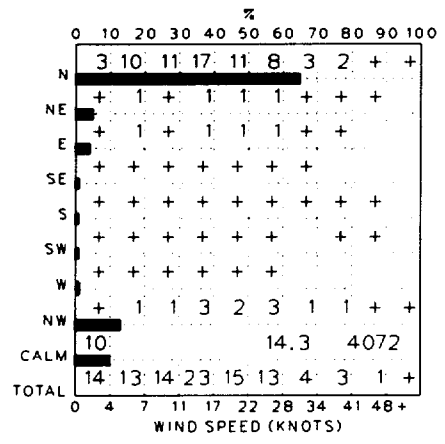

**11 Wind Speed ≦10 and ≧34 Knots**

**February**

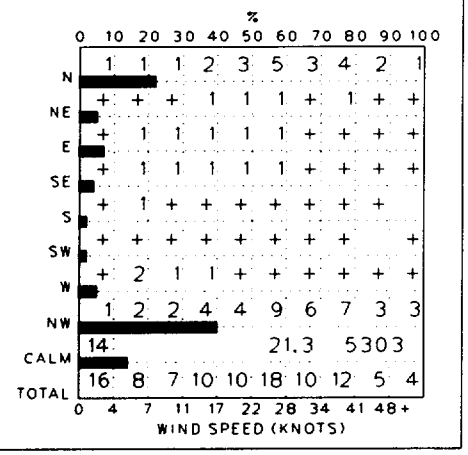
### Nikol'skoe



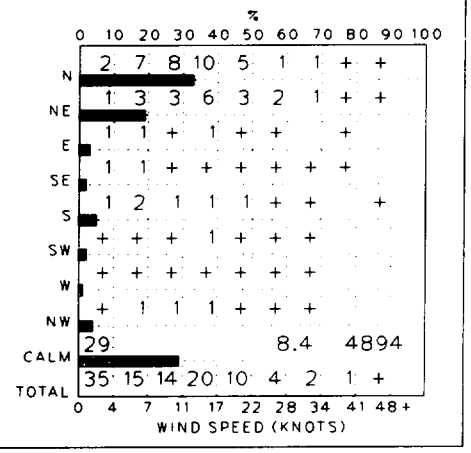

### Khatirka-In-Chukot



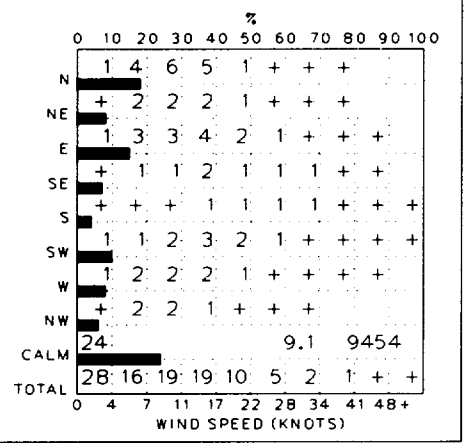

### Ugol'naja



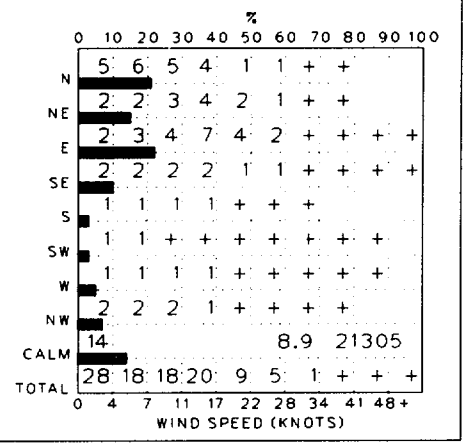

### Buhta Providenja



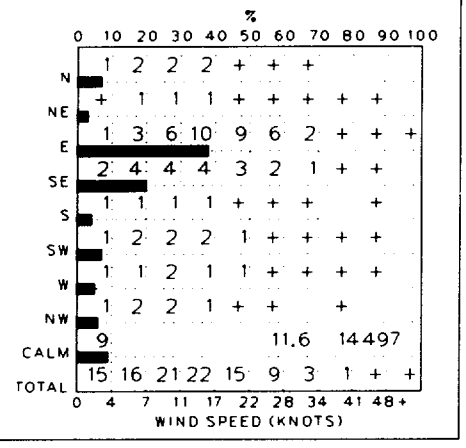

### Norheast Cape



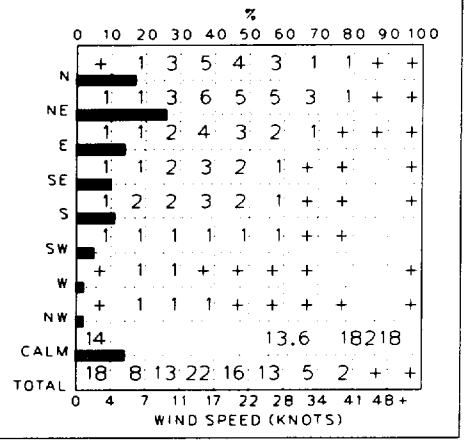

### Nome



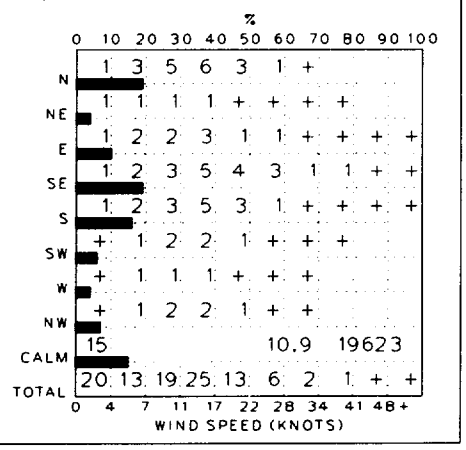

### Unalakleet



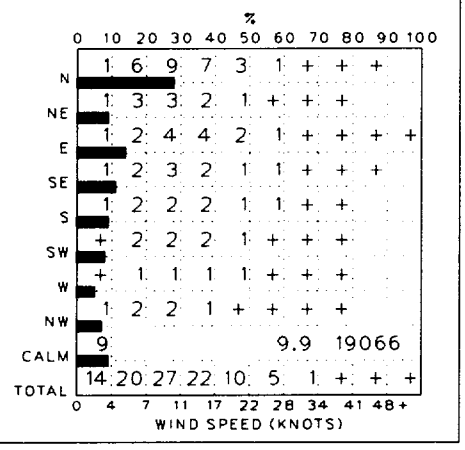

### Cape Romanzof



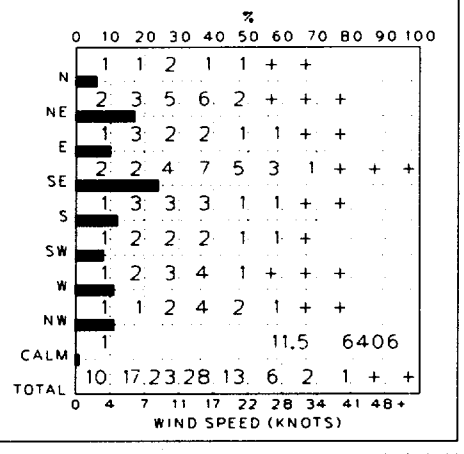

### Cape Newenham



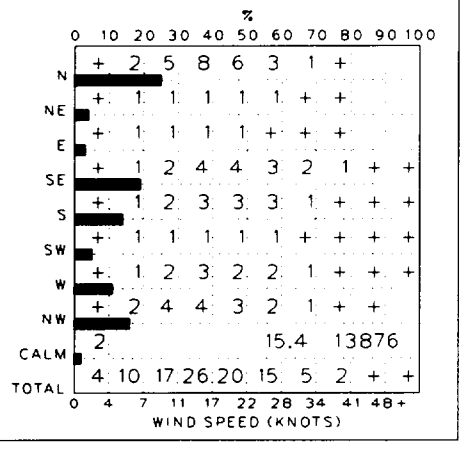

### King Salmon



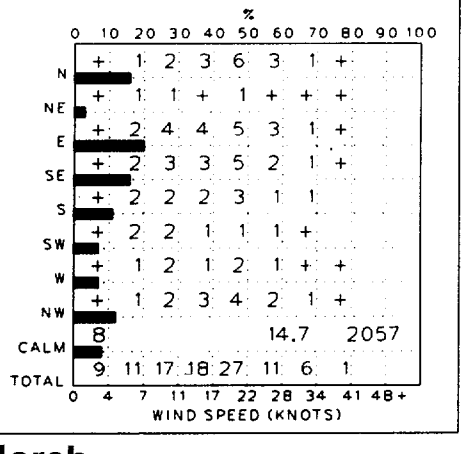

### Port Heiden



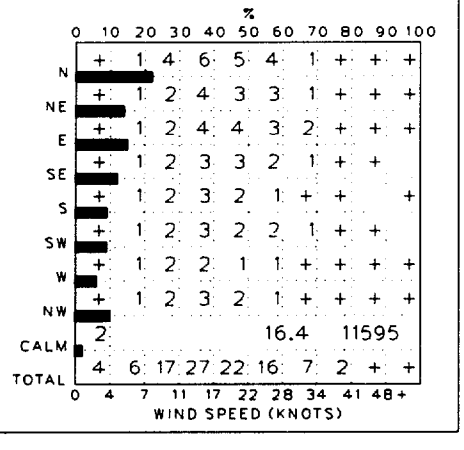

### Cold Bay



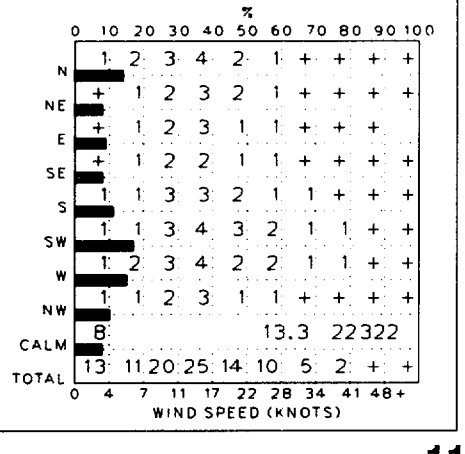

### Nikolski



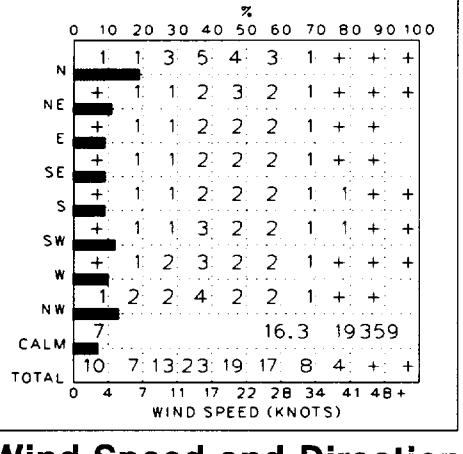

### St. Paul

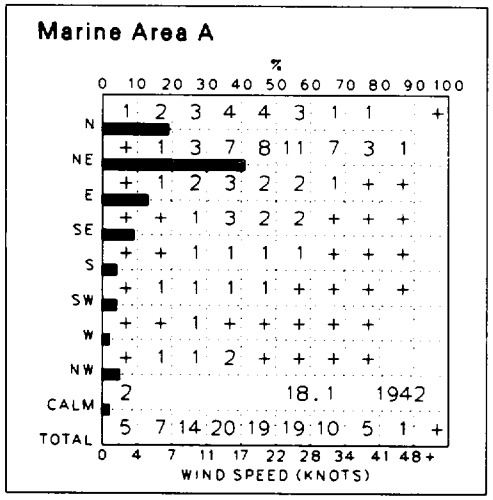


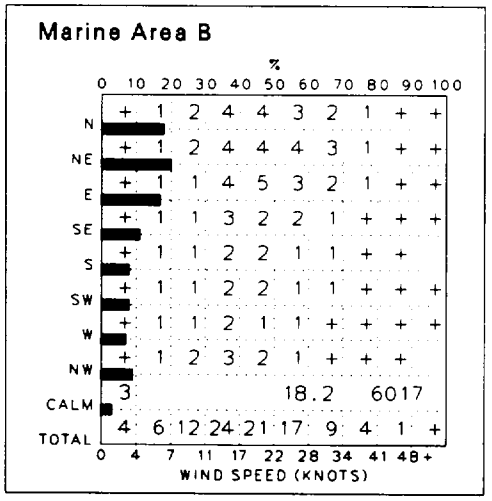

### Adak

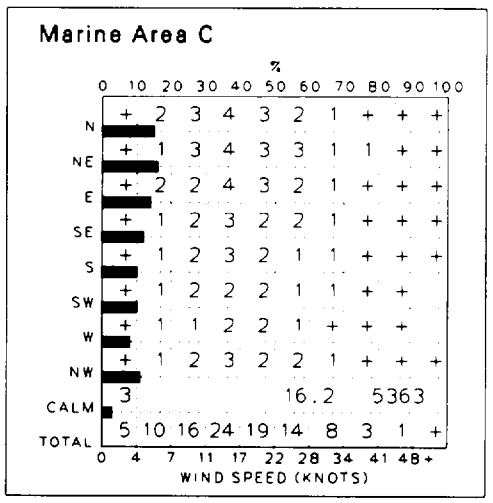


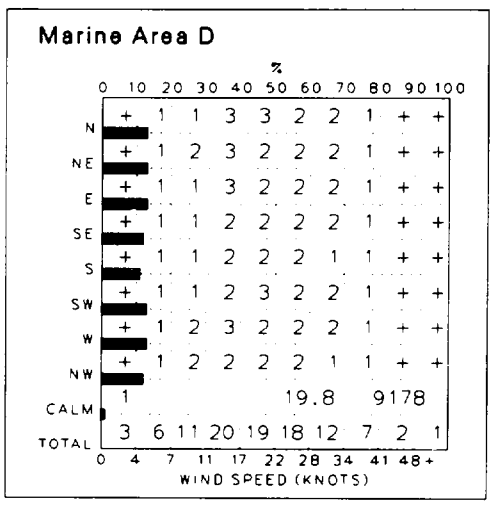

### Shemya

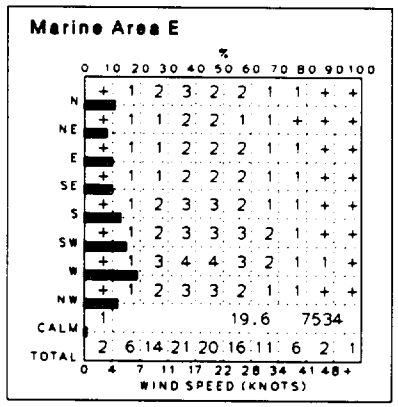


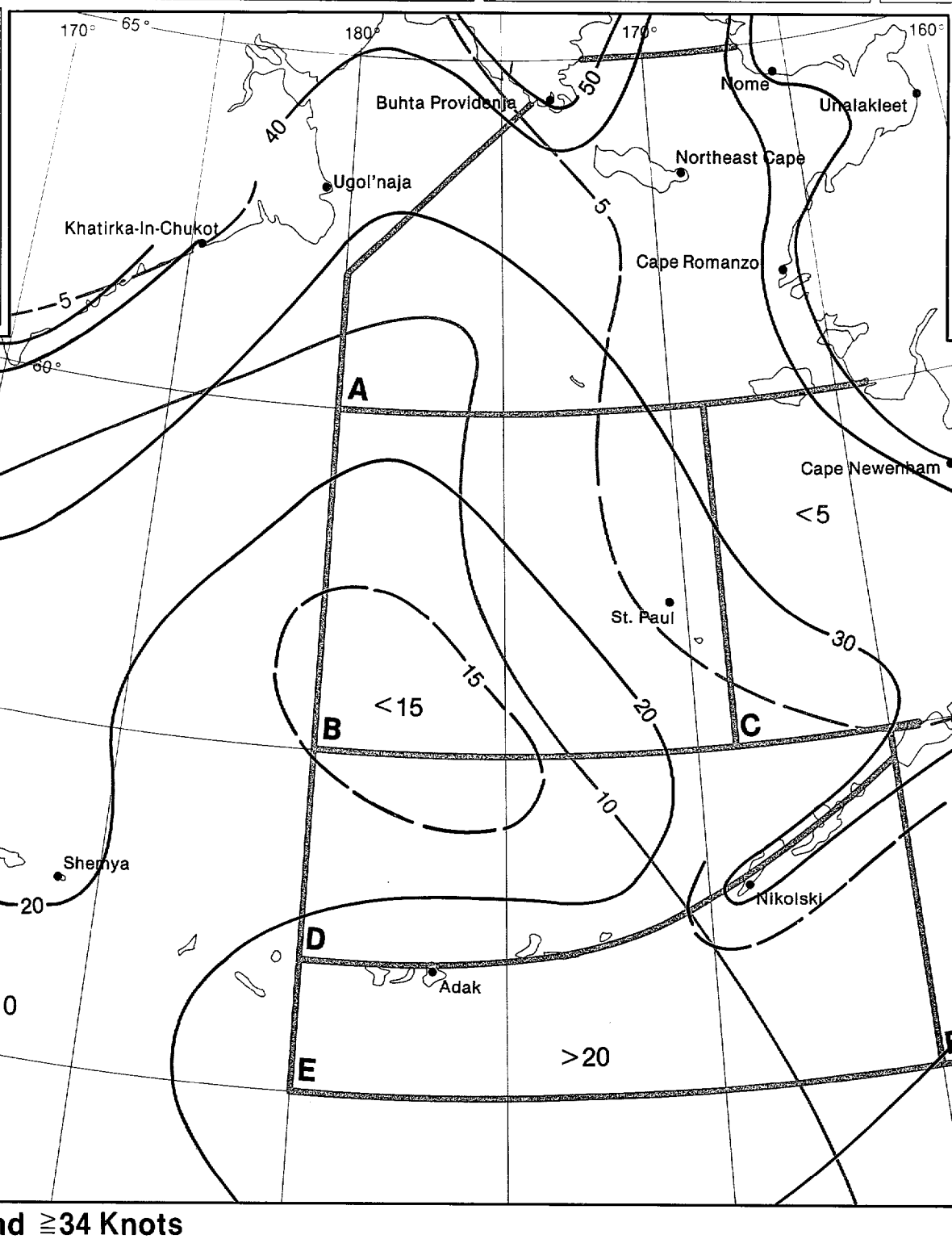


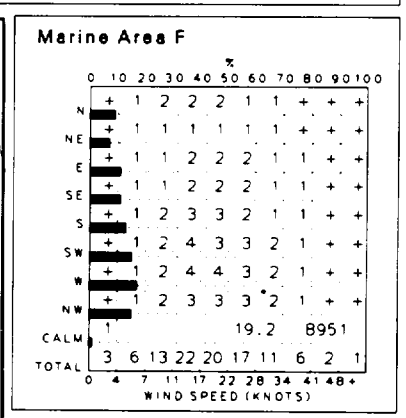



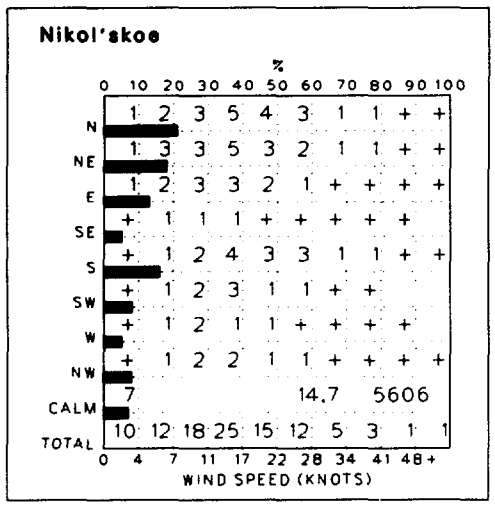



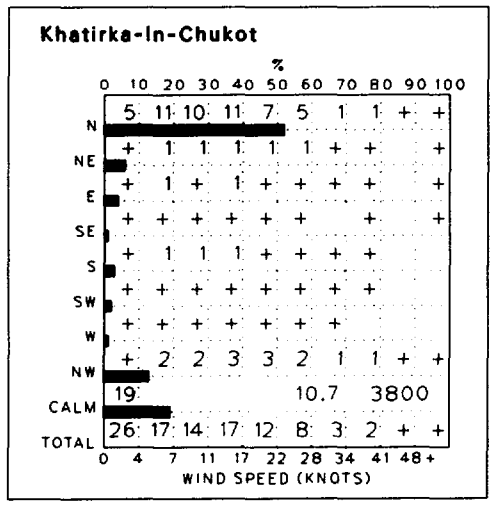



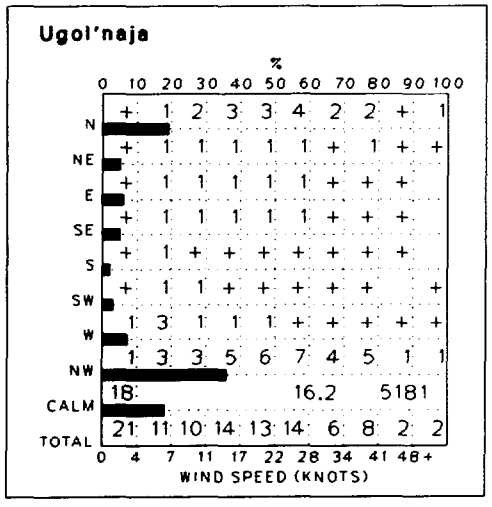



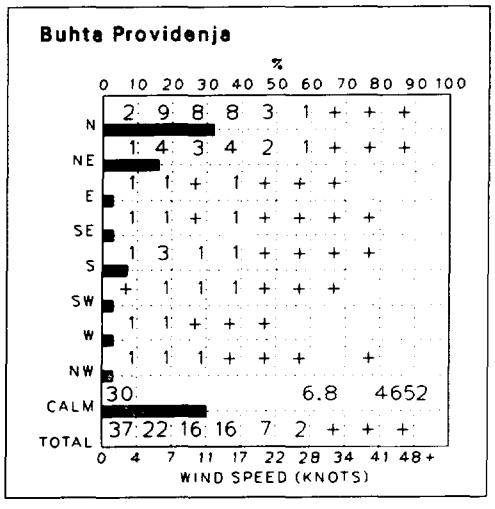

**11 Wind Speed ≦10 and ≧34 Knots**

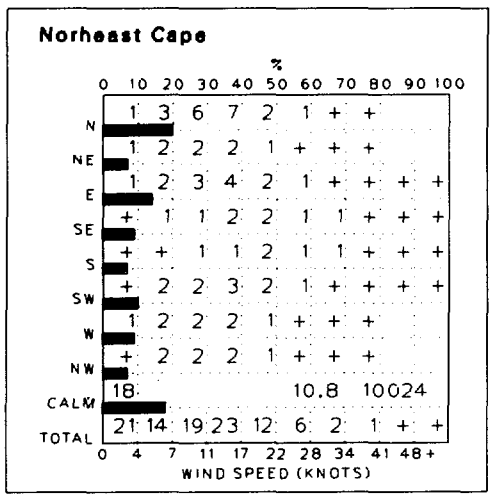
**March**

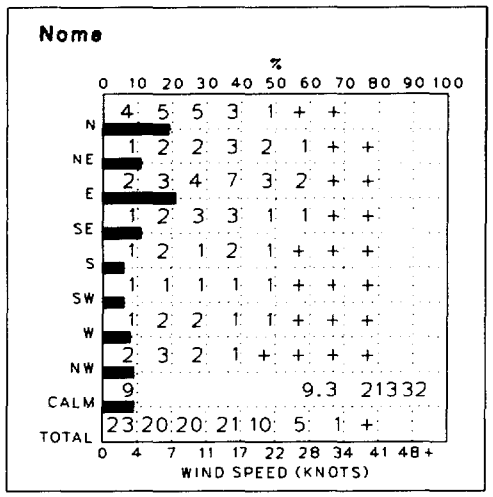

Nikol'skoe
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 5 4 3 1 1 + +
NE 1 3 3 5 3 2 1 1 + +
E 1 2 3 3 2 1 + + + +
SE + 1 1 1 + + + + +
S + 1 2 4 3 3 1 1 + +
SW + 1 2 3 1 1 + +
W + 1 2 1 1 + + + +
NW + 1 2 2 1 1 + + + +
CALM 7 14.7 5606
TOTAL 10 12 18 25 15 12 5 3 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

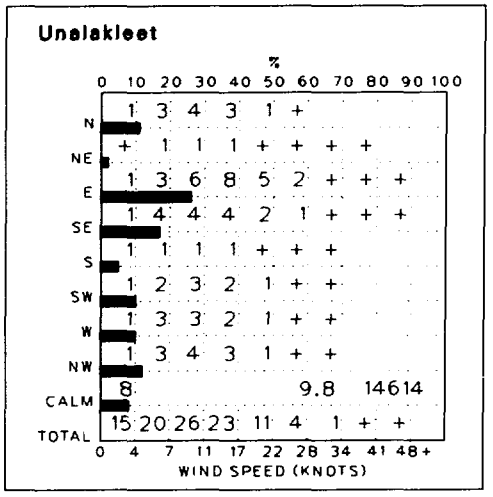

Khatirka-In-Chukot
% 0 10 20 30 40 50 60 70 80 90 100
N 5 11 10 11 7 5 1 1 + +
NE + 1 1 1 1 1 + + +
E + 1 + 1 + + + + +
SE + + + + + + + +
S + 1 1 1 + + + +
SW + + + + + + + +
W + + + + + + +
NW + 2 2 3 3 2 1 1 + +
CALM 19 10.7 3800
TOTAL 26 17 14 17 12 8 3 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

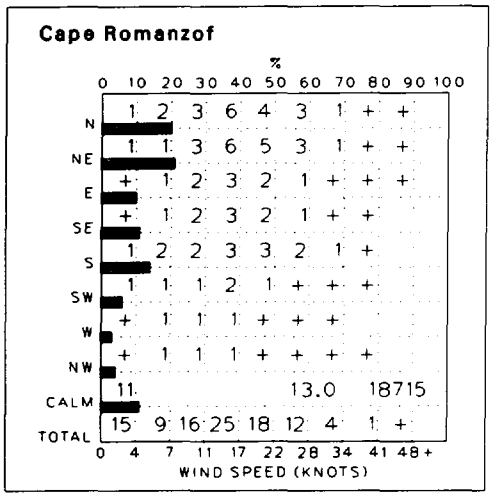

Ugol'naja
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 2 3 3 4 2 2 + 1
NE + 1 1 1 1 1 + 1 + +
E + 1 1 1 1 1 + + +
SE + 1 1 1 1 1 + + +
S + 1 + + + + + + +
SW + 1 1 + + + + + +
W 1 3 1 1 1 + + + + +
NW 1 3 3 5 6 7 4 5 1 1
CALM 18 16.2 5181
TOTAL 21 11 10 14 13 14 6 8 2 2
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

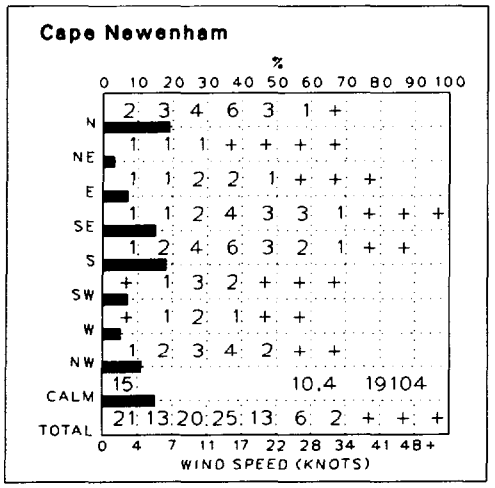

Buhta Providenja
% 0 10 20 30 40 50 60 70 80 90 100
N 2 9 8 8 3 1 + + +
NE 1 4 3 4 2 1 + + +
E 1 1 + 1 + + +
SE 1 1 + 1 + + + +
S 1 3 1 1 + + + +
SW + 1 1 1 + + +
W 1 1 + + +
NW 1 1 1 + + + +
CALM 30 6.8 4652
TOTAL 37 22 16 16 7 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

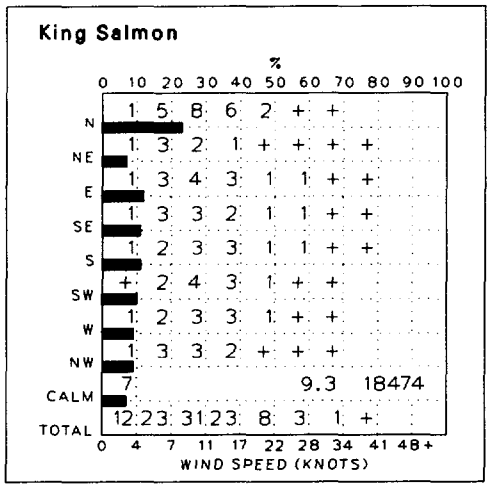

Norheast Cape
% 0 10 20 30 40 50 60 70 80 90 100
N 1 3 6 7 2 1 + +
NE 1 2 2 2 1 + + +
E 1 2 3 4 2 1 + + + +
SE + 1 1 2 2 1 1 + + +
S + + 1 1 2 1 1 + + +
SW + 2 2 3 2 1 + + + +
W 1 2 2 2 1 + + +
NW + 2 2 2 1 + + +
CALM 18 10.8 10024
TOTAL 21 14 19 23 12 6 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

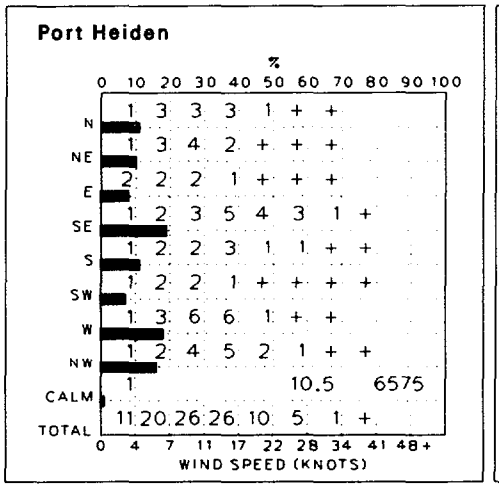

Nome
% 0 10 20 30 40 50 60 70 80 90 100
N 4 5 5 3 1 + + +
NE 1 2 2 3 2 1 + +
E 2 3 4 7 3 2 + +
SE 1 2 3 3 1 1 + +
S 1 2 1 2 1 + + +
SW 1 1 1 1 1 + + +
W 1 2 2 1 1 + + +
NW 2 3 2 1 + + + +
CALM 9 9.3 21332
TOTAL 23 20 20 21 10 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

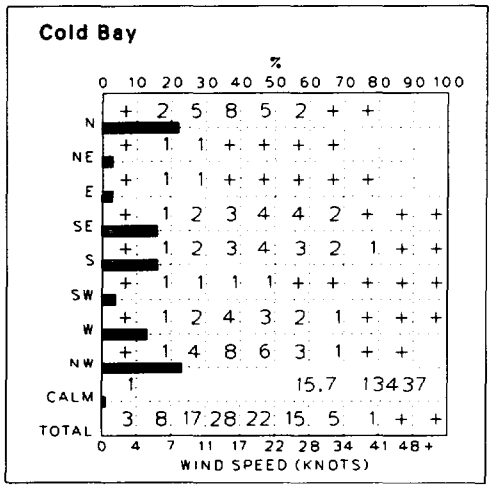

Unalakleet
% 0 10 20 30 40 50 60 70 80 90 100
N 1 3 4 3 1 +
NE + 1 1 1 + + + +
E 1 3 6 8 5 2 + + +
SE 1 4 4 4 2 1 + + +
S 1 1 1 1 + + +
SW 1 2 3 2 1 + +
W 1 3 3 2 1 + +
NW 1 3 4 3 1 + +
CALM 8 9.8 14614
TOTAL 15 20 26 23 11 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

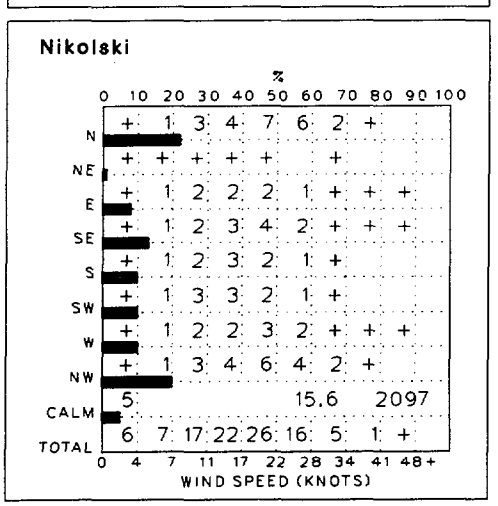

Cape Romanzof
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 6 4 3 1 + +
NE 1 1 3 6 5 3 1 + +
E + 1 2 3 2 1 + + +
SE + 1 2 3 2 1 + +
S 1 2 2 3 3 2 1 +
SW 1 1 1 2 1 + + +
W + 1 1 1 + + +
NW + 1 1 1 + + + +
CALM 11 13.0 18715
TOTAL 15 9 16 25 18 12 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

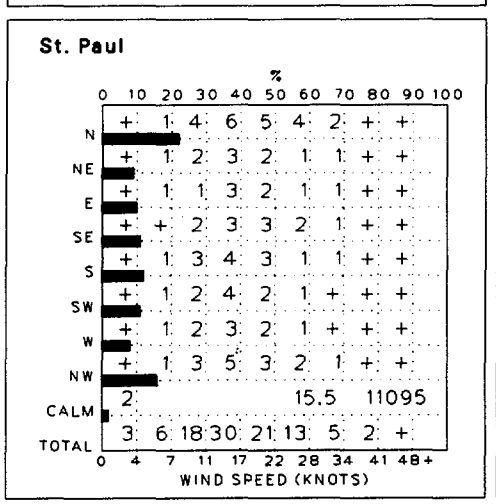

Cape Newenham
% 0 10 20 30 40 50 60 70 80 90 100
N 2 3 4 6 3 1 +
NE 1 1 1 + + + +
E 1 1 2 2 1 + + +
SE 1 1 2 4 3 3 1 + + +
S 1 2 4 6 3 2 1 + +
SW + 1 3 2 + + +
W + 1 2 1 + +
NW 1 2 3 4 2 + +
CALM 15 10.4 19104
TOTAL 21 13 20 25 13 6 2 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

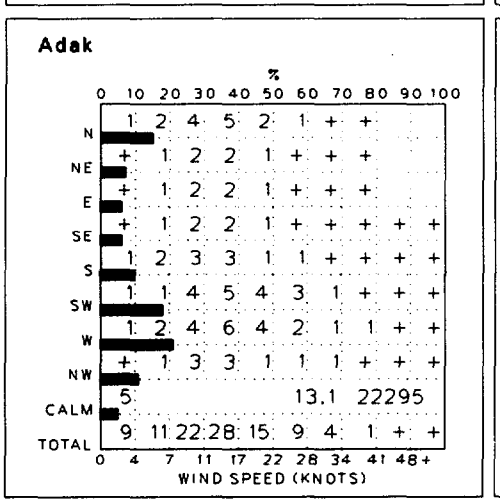

King Salmon
% 0 10 20 30 40 50 60 70 80 90 100
N 1 5 8 6 2 + +
NE 1 3 2 1 + + + +
E 1 3 4 3 1 1 + +
SE 1 3 3 2 1 1 + +
S 1 2 3 3 1 1 + +
SW + 2 4 3 1 + +
W 1 2 3 3 1 + +
NW 1 3 3 2 + + +
CALM 7 9.3 18474
TOTAL 12 23 31 23 8 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

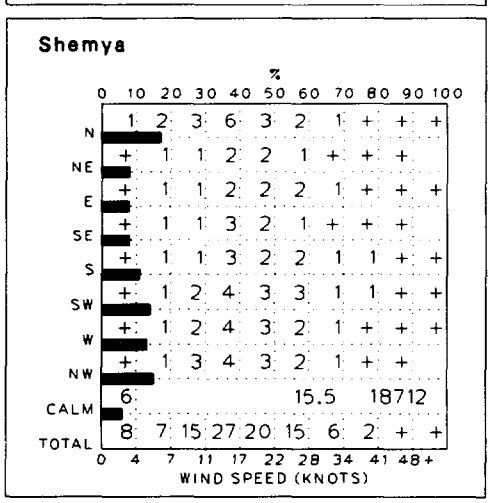

Port Heiden
% 0 10 20 30 40 50 60 70 80 90 100
N 1 3 3 3 1 + +
NE 1 3 4 2 + + +
E 2 2 2 1 + + +
SE 1 2 3 5 4 3 1 +
S 1 2 2 3 1 1 + +
SW 1 2 2 1 + + + +
W 1 3 6 6 1 + +
NW 1 2 4 5 2 1 + +
CALM 1 10.5 6575
TOTAL 11 20 26 26 10 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

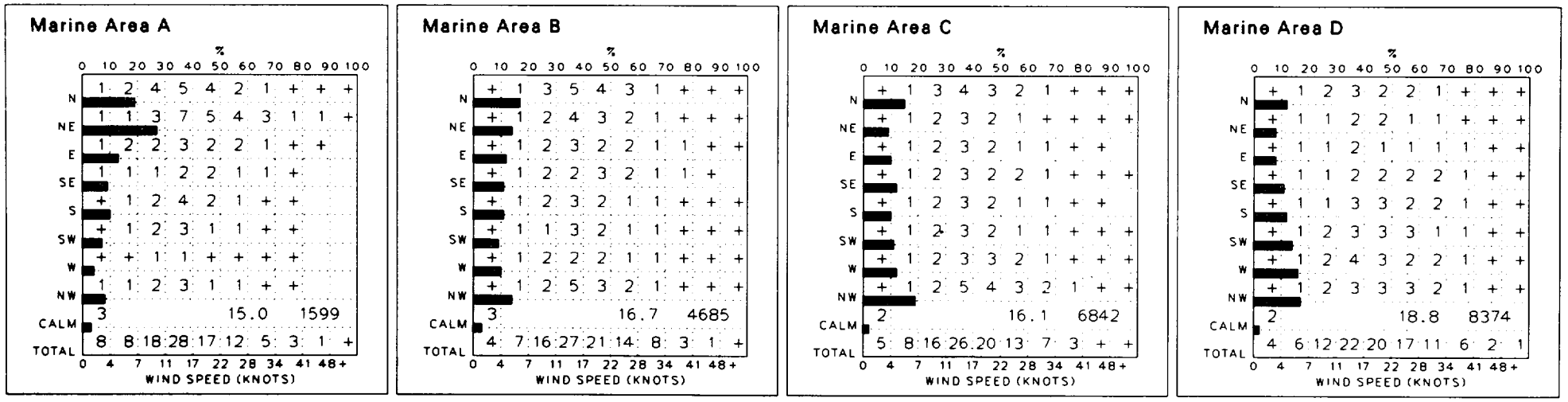

Cold Bay
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 5 8 5 2 + +
NE + 1 1 + + + +
E + 1 1 + + + + +
SE + 1 2 3 4 4 2 + + +
S + 1 2 3 4 3 2 1 + +
SW + 1 1 1 1 + + + + +
W + 1 2 4 3 2 1 + + +
NW + 1 4 8 6 3 1 + +
CALM 1 15.7 13437
TOTAL 3 8 17 28 22 15 5 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Nikolski
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 3 4 7 6 2 +
NE + + + + + + +
E + 1 2 2 2 1 + + +
SE + 1 2 3 4 2 + + +
S + 1 2 3 2 1 +
SW + 1 3 3 2 1 +
W + 1 2 2 3 2 + + +
NW + 1 3 4 6 4 2 +
CALM 5 15.6 2097
TOTAL 6 7 17 22 26 16 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


St. Paul
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 4 6 5 4 2 + +
NE + 1 2 3 2 1 1 + +
E + 1 1 3 2 1 1 + +
SE + + 2 3 3 2 1 + +
S + 1 3 4 3 1 1 + +
SW + 1 2 4 2 1 + + +
W + 1 2 3 2 1 + + +
NW + 1 3 5 3 2 1 + +
CALM 2 15.5 11095
TOTAL 3 6 18 30 21 13 5 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Adak
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 5 2 1 + +
NE + 1 2 2 1 + + +
E + 1 2 2 1 + + + + +
SE 1 2 3 3 1 1 + + + +
S 1 1 4 5 4 3 1 + + +
SW 1 2 4 6 4 2 1 1 + +
W + 1 3 3 1 1 1 + + +
NW + 1 3 3 1 1 1 + + +
CALM 5 13.1 22295
TOTAL 9 11 22 28 15 9 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

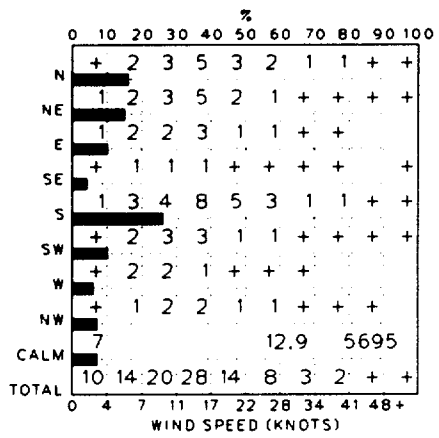

Shemya
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 6 3 2 1 + + +
NE + 1 1 2 2 1 + + +
E + 1 1 2 2 2 1 + + +
SE + 1 1 3 2 1 + + +
S + 1 1 3 2 2 1 1 + +
SW + 1 2 4 3 3 1 1 + +
W + 1 2 4 3 2 1 + + +
NW + 1 3 4 3 2 1 + +
CALM 6 15.5 18712
TOTAL 8 7 15 27 20 15 6 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)



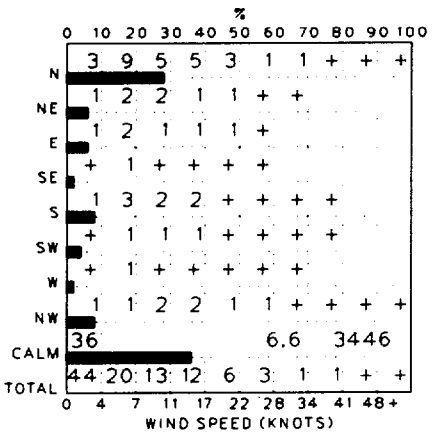

**11 Wind Speed ≦10 and ≧34 Knots**

**April**

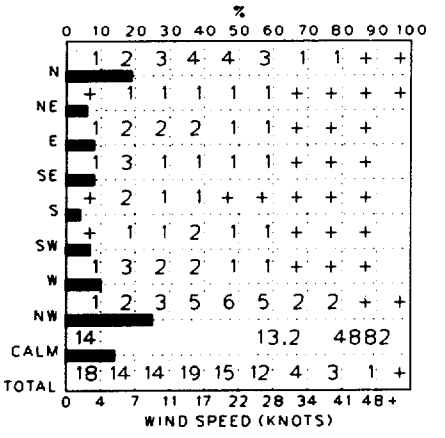
**Nikol'skoe**



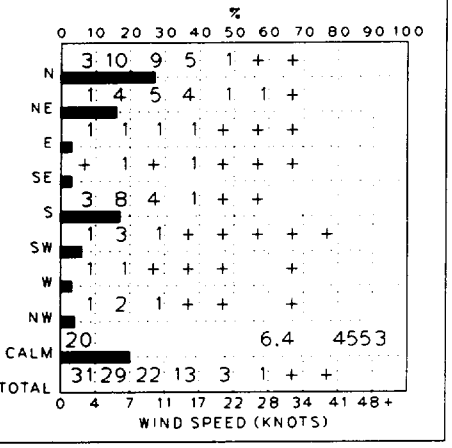

**Khatirka-In-Chukot**



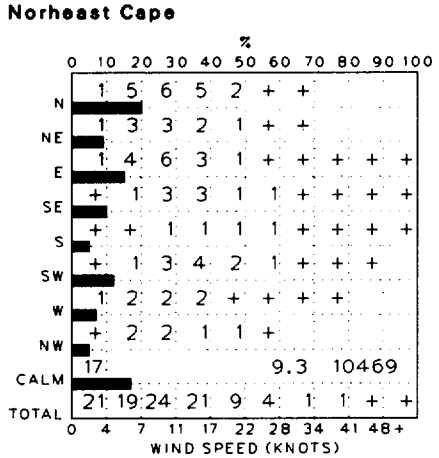

**Ugol'naja**



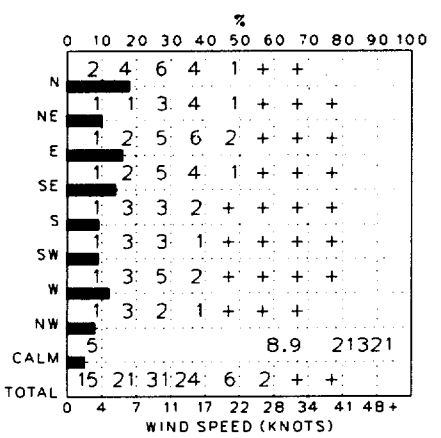

**Buhta Providenja**



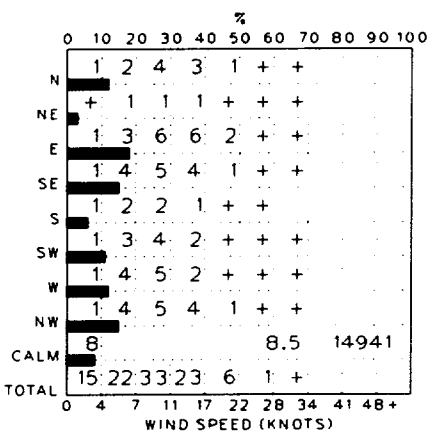

**Norheast Cape**



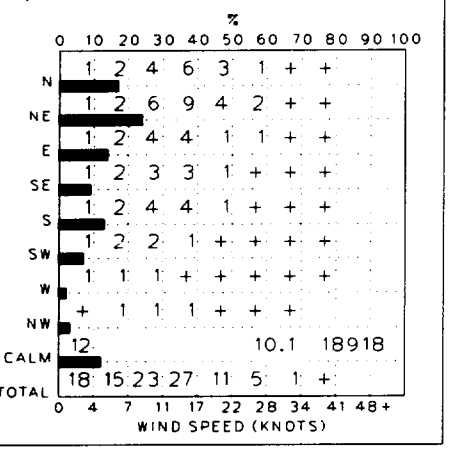

**Nome**



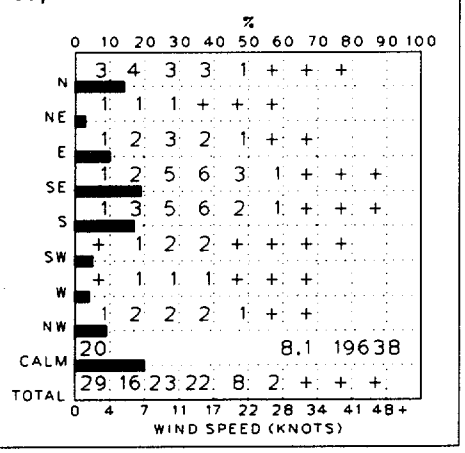

**Unalakleet**



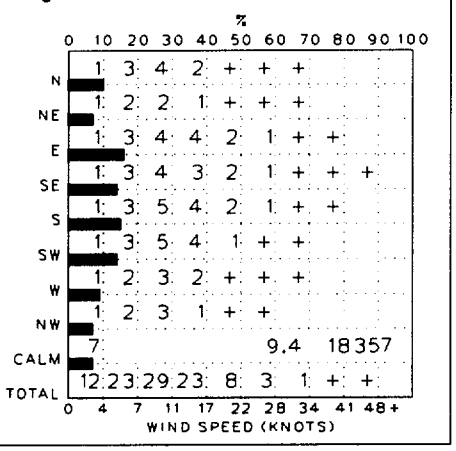

**Cape Romanzof**



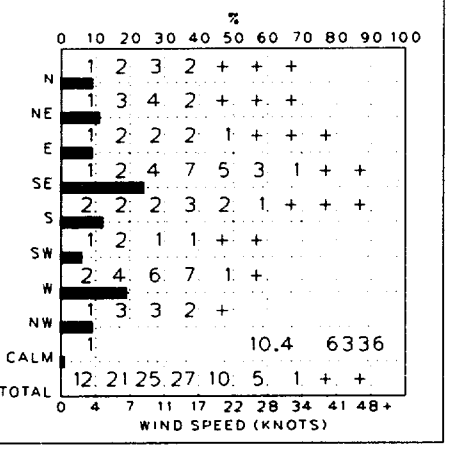

**Cape Newenham**



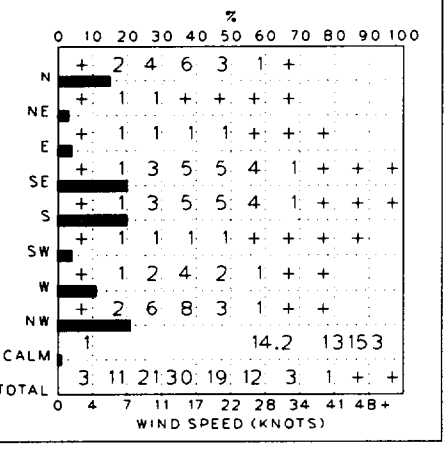

**King Salmon**



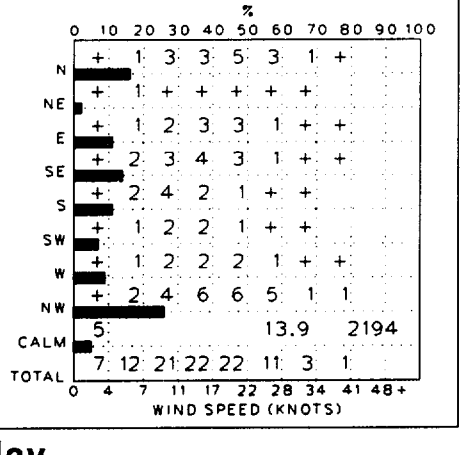

**Port Heiden**



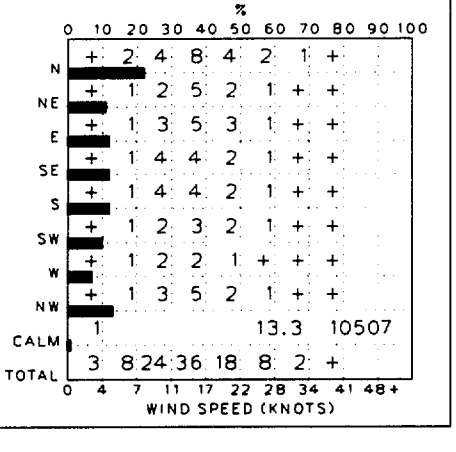

**Cold Bay**



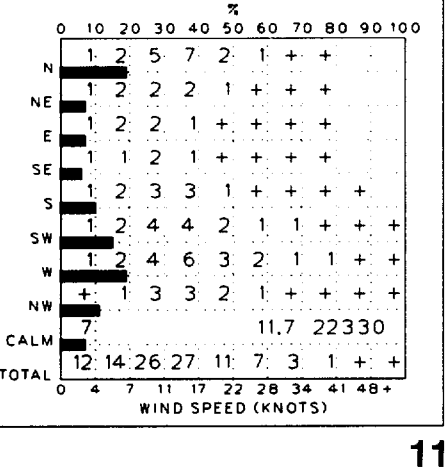

**Nikolski**



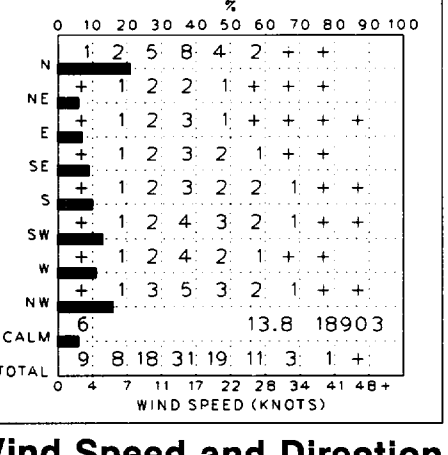

**St. Paul**

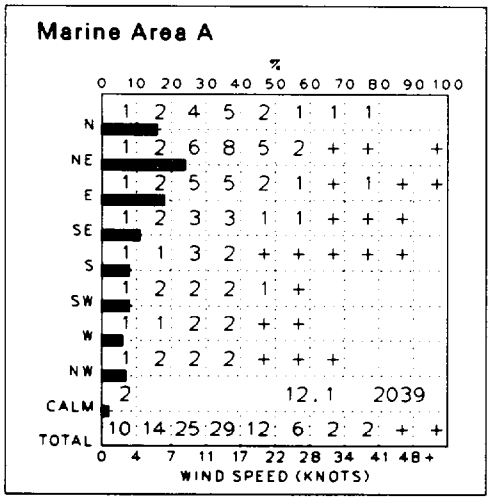


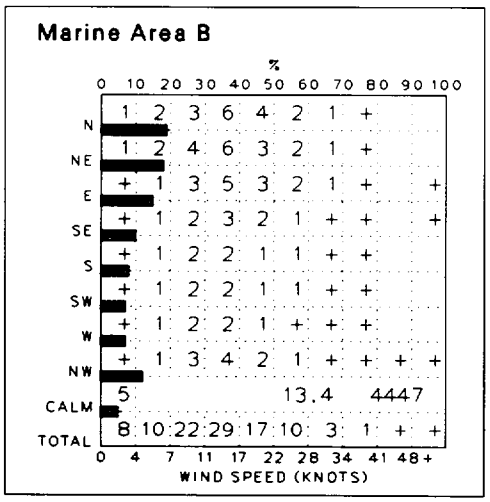

**Adak**

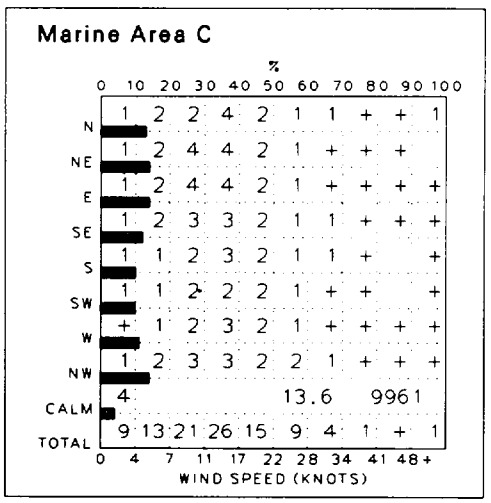


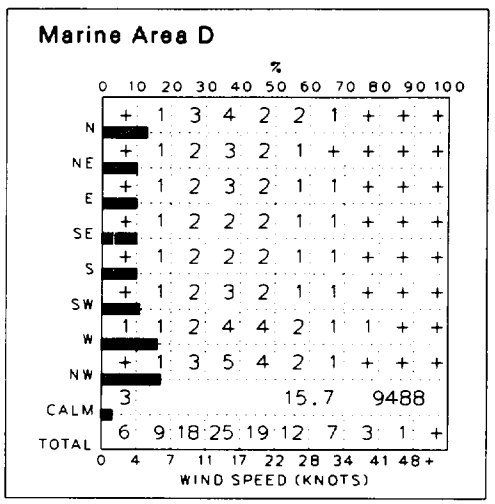

**Shemya**





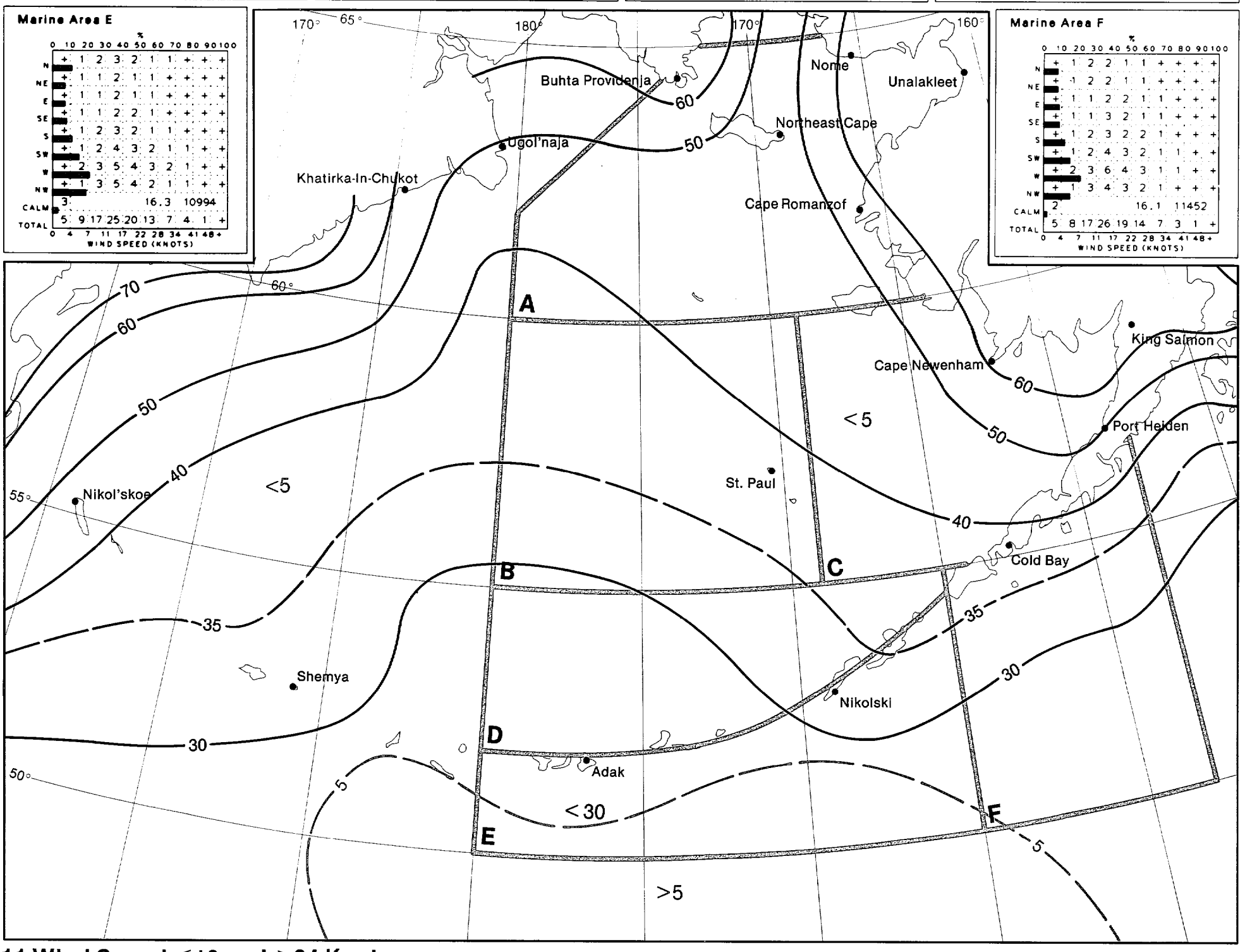







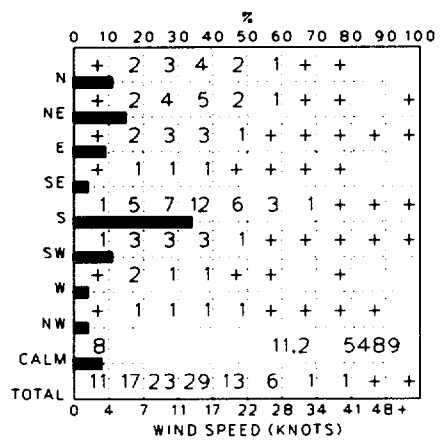


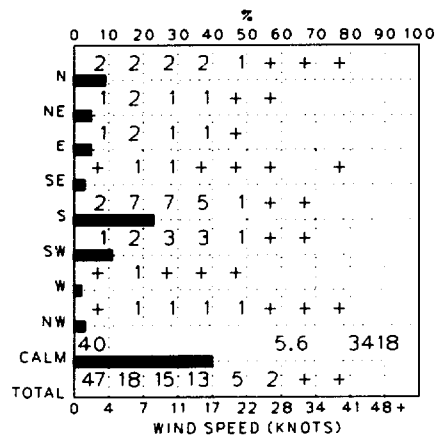

**11 Wind Speed ≦10 and ≧34 Knots**

**May**

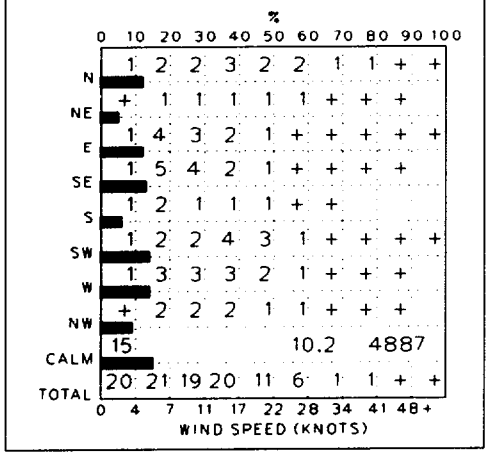
**Nikol'skoe**



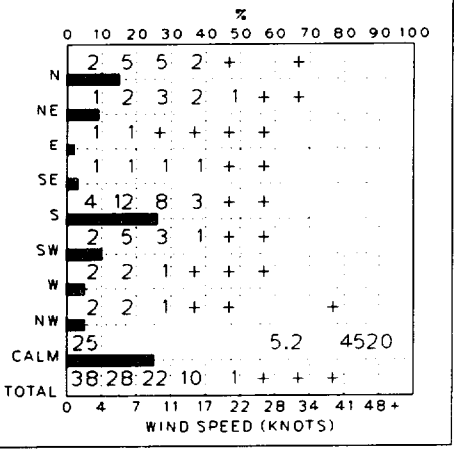

**Khatirka-In-Chukot**



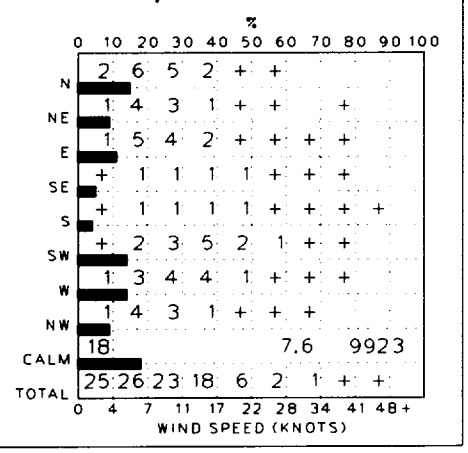

**Ugol'naja**



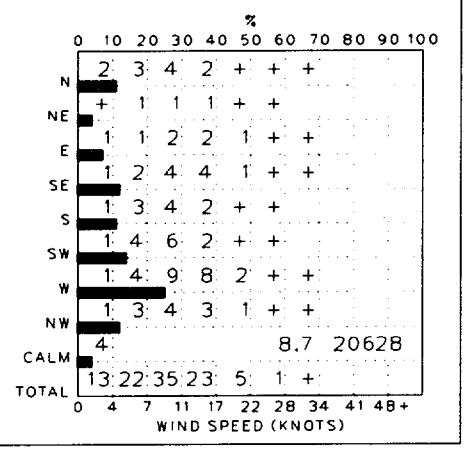

**Buhta Providenja**



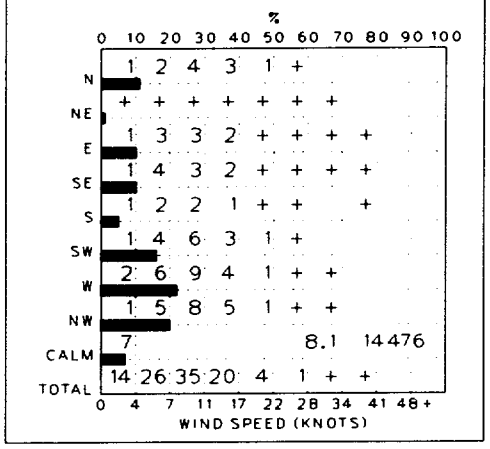

**Norheast Cape**



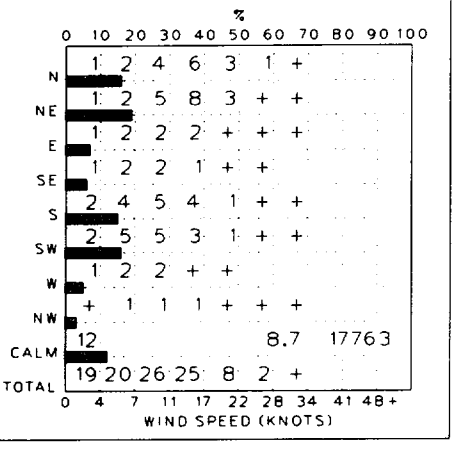

**Nome**



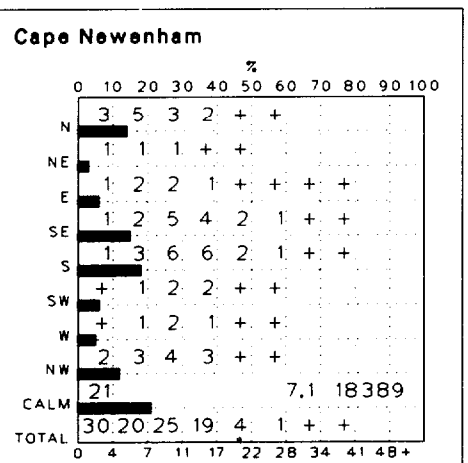

**Unalakleet**



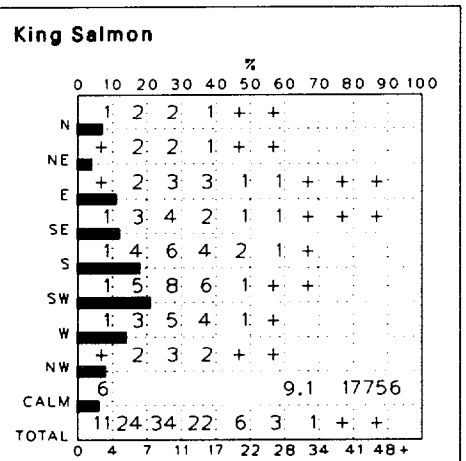

**Cape Romanzof**



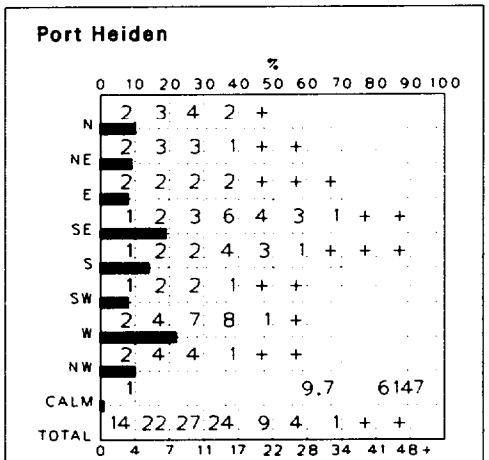

**Cape Newenham**



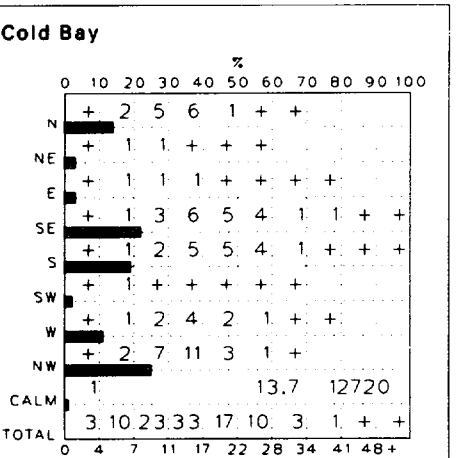

**King Salmon**



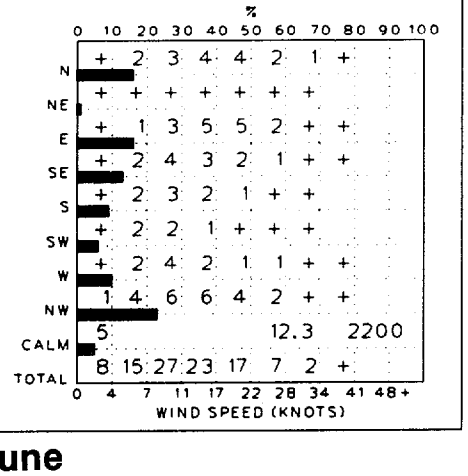

**Port Heiden**



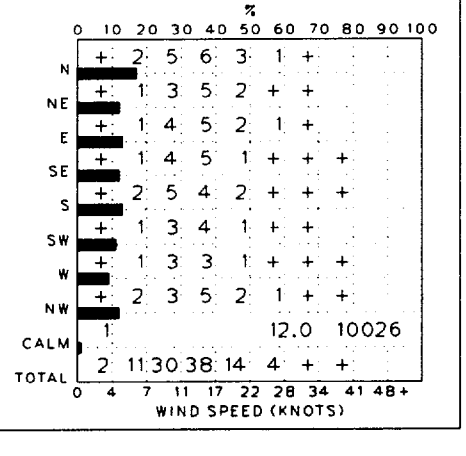

**Cold Bay**



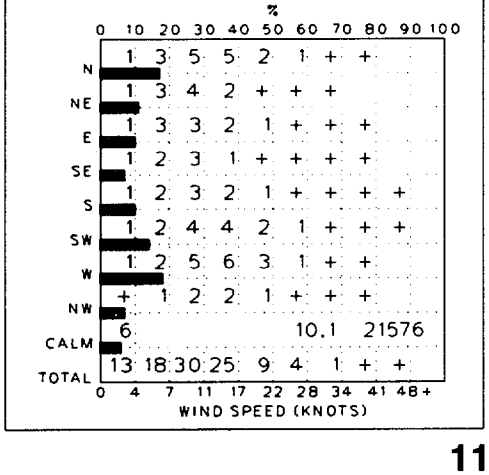

**Nikolski**



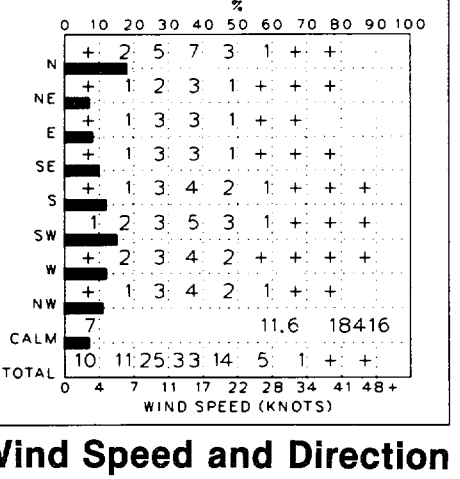

**St. Paul**

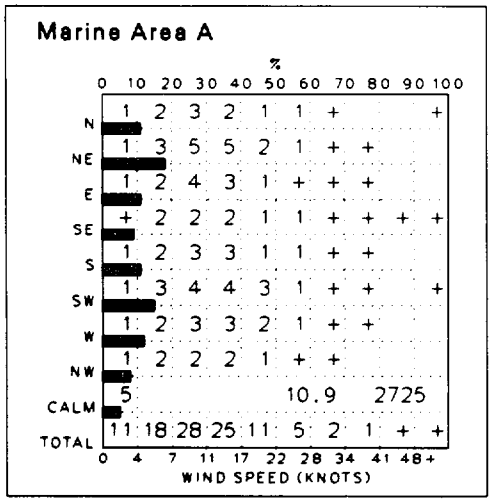


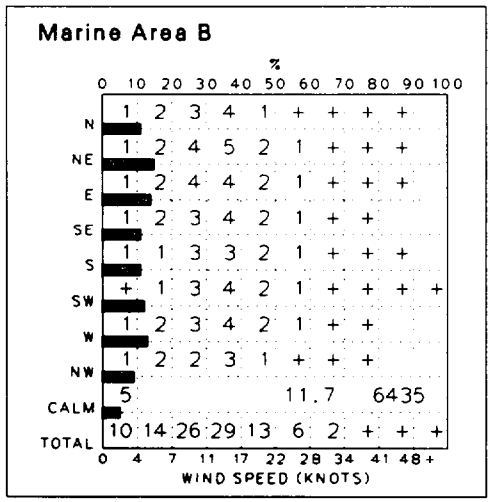

**Adak**

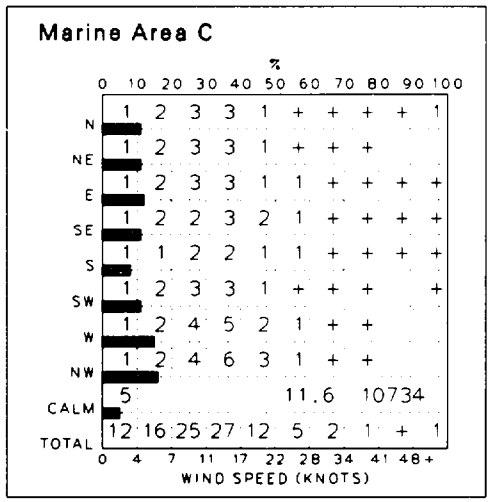


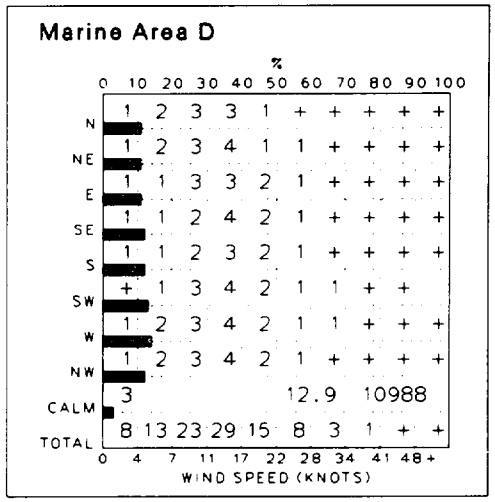

**Shemya**

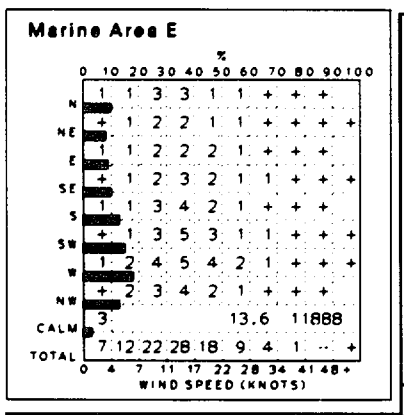


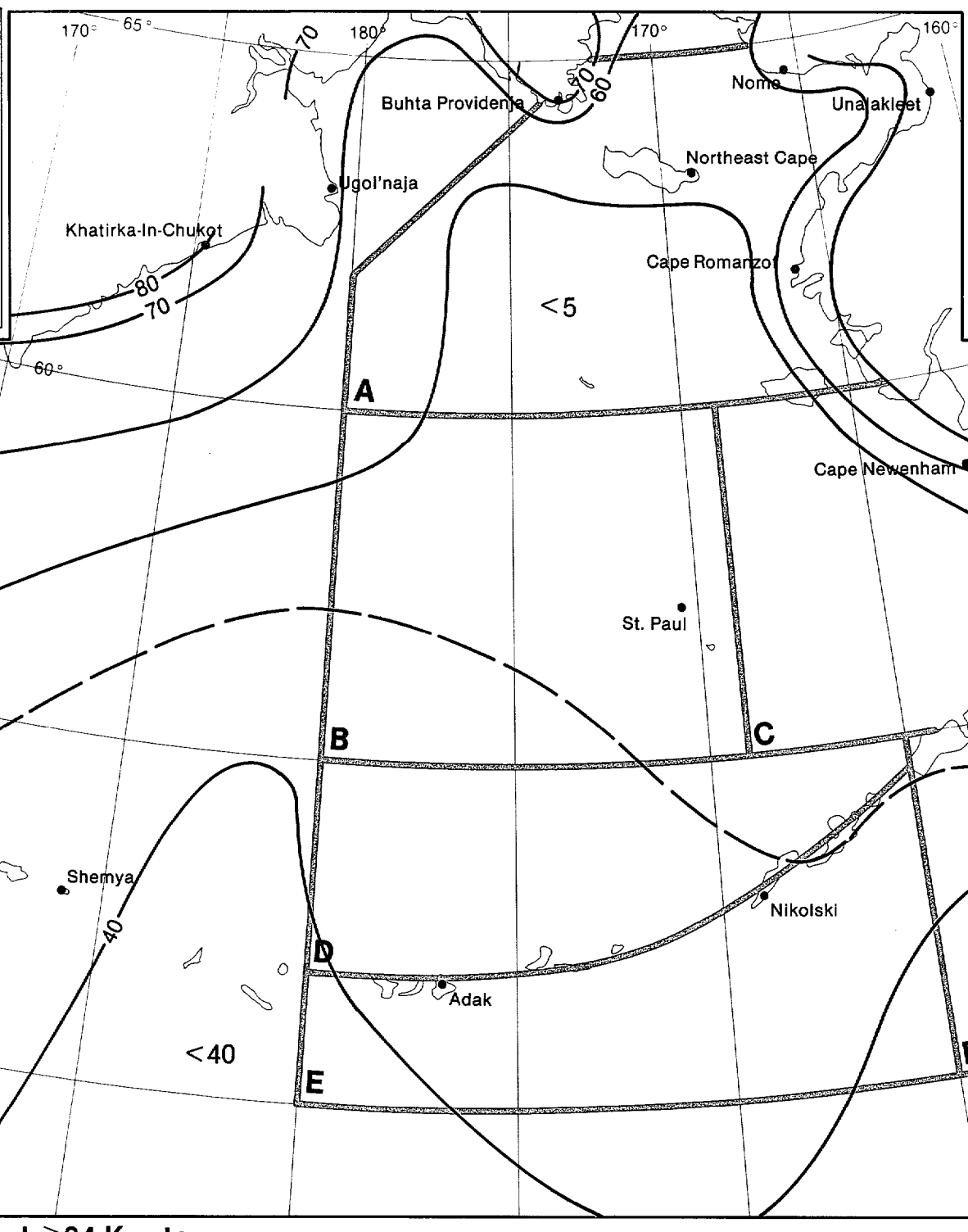


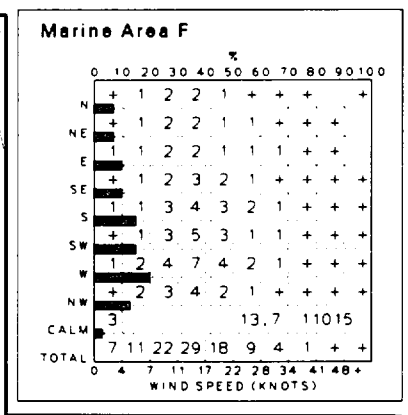



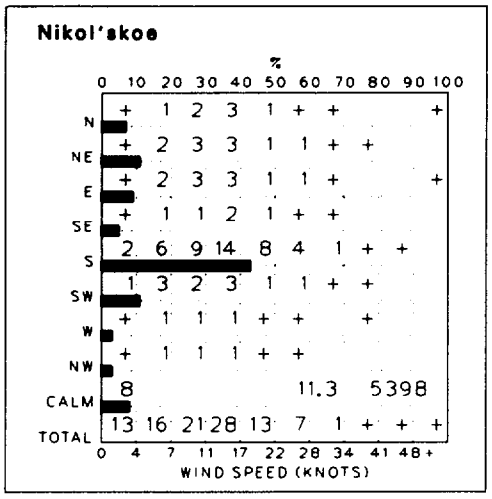



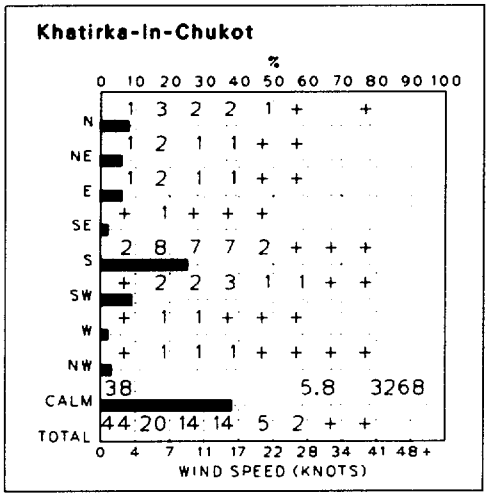



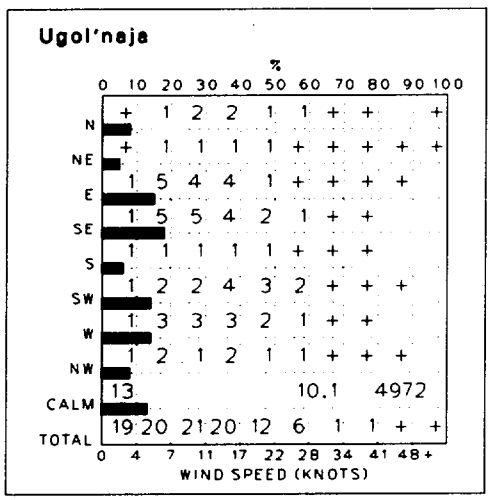



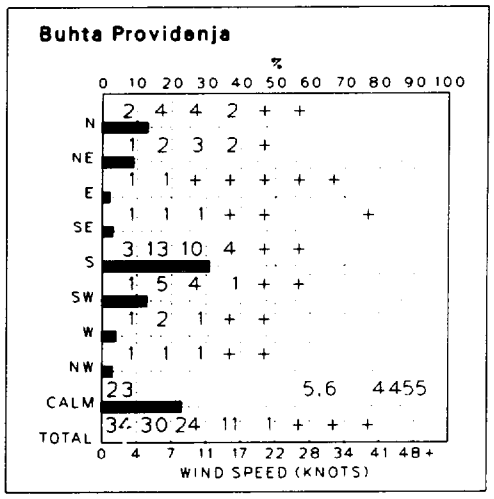



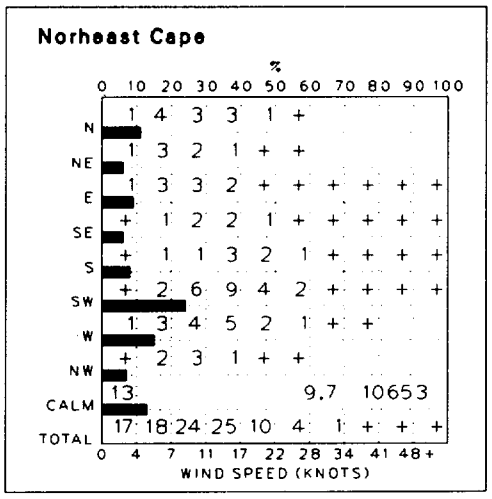

**11 Wind Speed ≦10 and ≧34 Knots** **June**

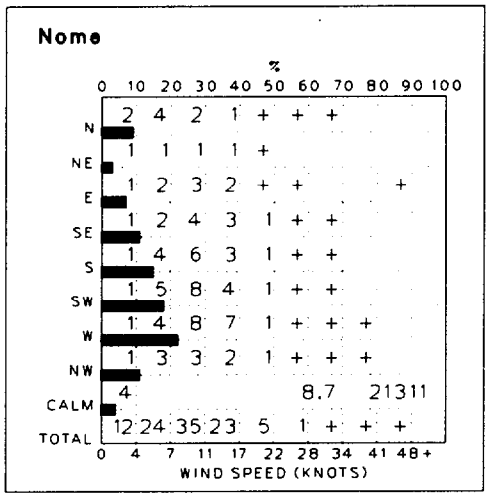

Nikol'skoe
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 3 1 + + +
NE + 2 3 3 1 1 + +
E + 2 3 3 1 1 + +
SE + 1 1 2 1 + +
S 2 6 9 14 8 4 1 + +
SW 1 3 2 3 1 1 + +
W + 1 1 1 + + +
NW + 1 1 1 + +
CALM 8 11.3 5398
TOTAL 13 16 21 28 13 7 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

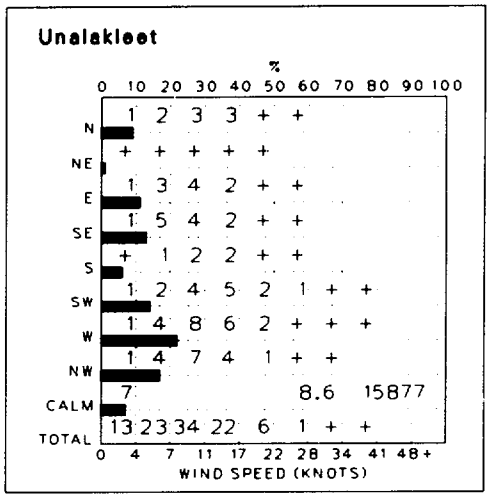

Khatirka-in-Chukot
%
0 10 20 30 40 50 60 70 80 90 100
N 1 3 2 2 1 + +
NE 1 2 1 1 + +
E 1 2 1 1 + +
SE + 1 + + +
S 2 8 7 7 2 + + +
SW + 2 2 3 1 1 + +
W + 1 1 + + +
NW + 1 1 1 + + + +
CALM 38 5.8 3268
TOTAL 44 20 14 14 5 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

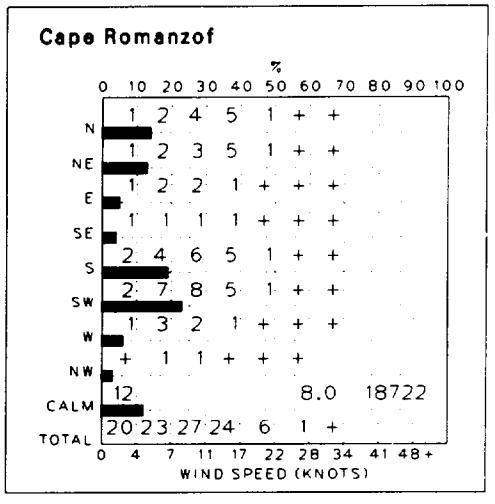

Ugol'naja
%
0 10 20 30 40 50 60 70 80 90 100
N + 1 2 2 1 1 + + + +
NE + 1 1 1 1 + + + + +
E 1 5 4 4 1 + + + +
SE 1 5 5 4 2 1 + +
S 1 1 1 1 1 + + +
SW 1 2 2 4 3 2 + + +
W 1 3 3 3 2 1 + +
NW 1 2 1 2 1 1 + + +
CALM 13 10.1 4972
TOTAL 19 20 21 20 12 6 1 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

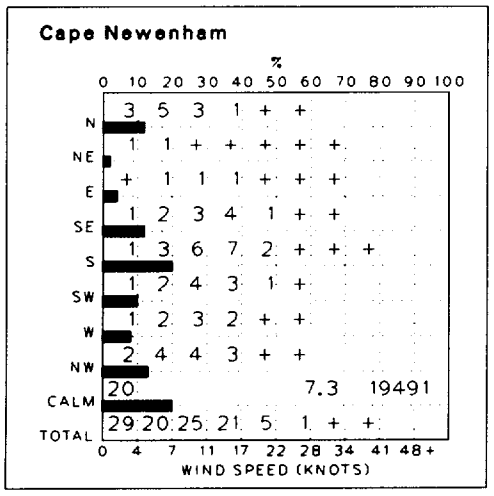

Buhta Providenja
%
0 10 20 30 40 50 60 70 80 90 100
N 2 4 4 2 + +
NE 1 2 3 2 +
E 1 1 + + + + +
SE 1 1 1 + + +
S 3 13 10 4 + +
SW 1 5 4 1 + +
W 1 2 1 + +
NW 1 1 1 + +
CALM 23 5.6 4455
TOTAL 34 30 24 11 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

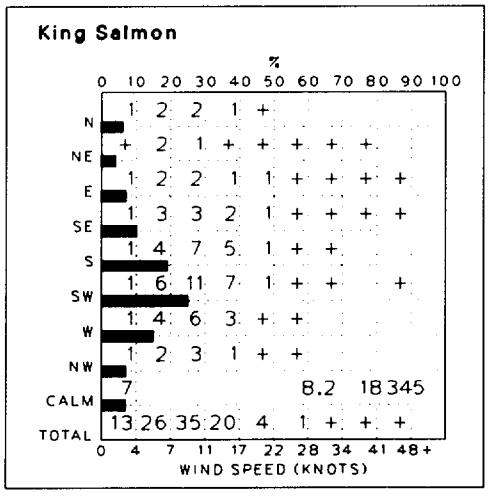

Norheast Cape
%
0 10 20 30 40 50 60 70 80 90 100
N 1 4 3 3 1 +
NE 1 3 2 1 + +
E 1 3 3 2 + + + + + +
SE + 1 2 2 1 + + + + +
S + 1 1 3 2 1 + + + +
SW + 2 6 9 4 2 + + + +
W 1 3 4 5 2 1 + +
NW + 2 3 1 + +
CALM 13 9.7 10653
TOTAL 17 18 24 25 10 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

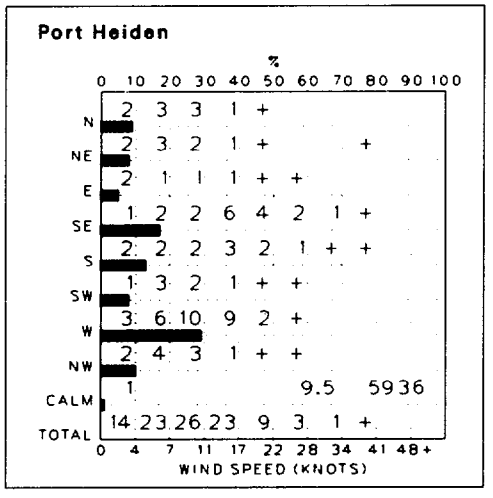

Nome
%
0 10 20 30 40 50 60 70 80 90 100
N 2 4 2 1 + + +
NE 1 1 1 1 +
E 1 2 3 2 + + +
SE 1 2 4 3 1 + +
S 1 4 6 3 1 + +
SW 1 5 8 4 1 + +
W 1 4 8 7 1 + + +
NW 1 3 3 2 1 + + +
CALM 4 8.7 21311
TOTAL 12 24 35 23 5 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

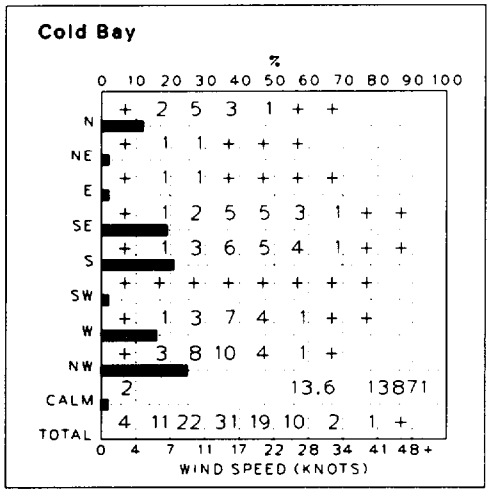

Unalakleet
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 3 + +
NE + + + + +
E 1 3 4 2 + +
SE 1 5 4 2 + +
S + 1 2 2 + +
SW 1 2 4 5 2 1 + +
W 1 4 8 6 2 + + +
NW 1 4 7 4 1 + +
CALM 7 8.6 15877
TOTAL 13 23 34 22 6 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

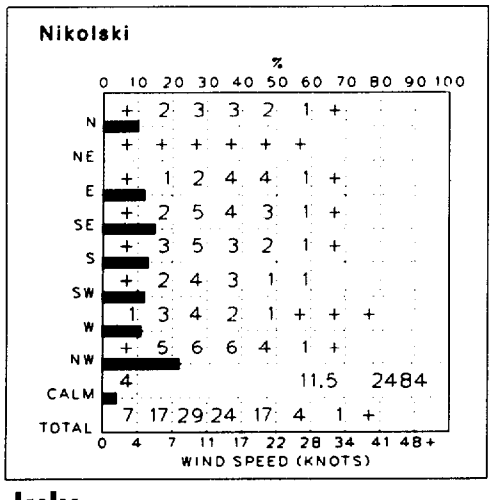

Cape Romanzof
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 5 1 + +
NE 1 2 3 5 1 + +
E 1 2 2 1 + + +
SE 1 1 1 1 + + +
S 2 4 6 5 1 + +
SW 2 7 8 5 1 + +
W 1 3 2 1 + + +
NW + 1 1 + + +
CALM 12 8.0 18722
TOTAL 20 23 27 24 6 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

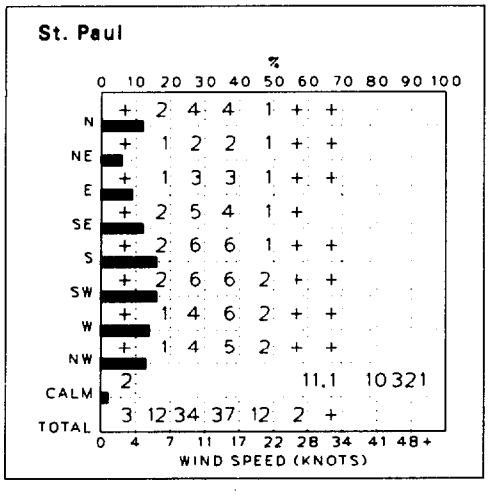

Cape Newenham
%
0 10 20 30 40 50 60 70 80 90 100
N 3 5 3 1 + +
NE 1 1 + + + + +
E + 1 1 1 + + +
SE 1 2 3 4 1 + +
S 1 3 6 7 2 + + +
SW 1 2 4 3 1 +
W 1 2 3 2 + +
NW 2 4 4 3 + +
CALM 20 7.3 19491
TOTAL 29 20 25 21 5 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

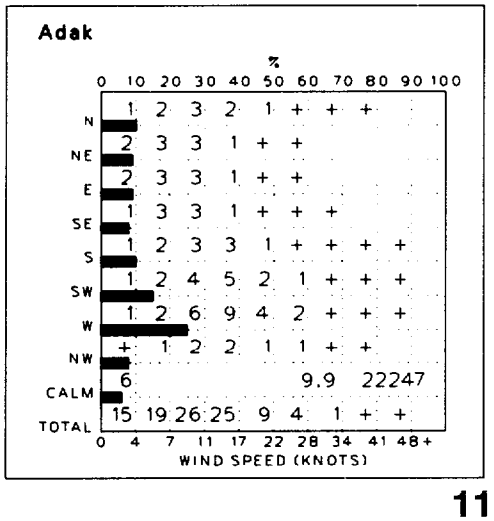

King Salmon
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 2 1 +
NE + 2 1 + + + + +
E 1 2 2 1 1 + + + +
SE 1 3 3 2 1 + + + +
S 1 4 7 5 1 + +
SW 1 6 11 7 1 + + +
W 1 4 6 3 + +
NW 1 2 3 1 + +
CALM 7 8.2 18345
TOTAL 13 26 35 20 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

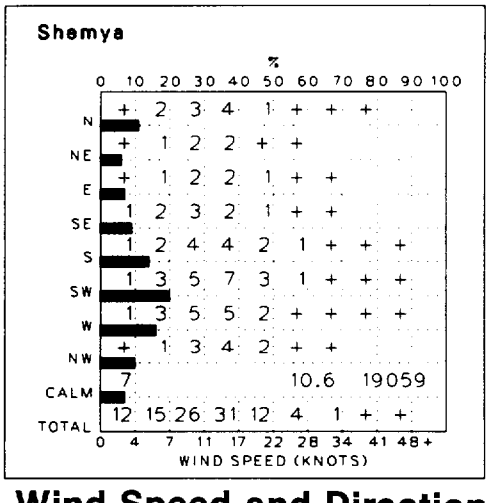

Port Heiden
%
0 10 20 30 40 50 60 70 80 90 100
N 2 3 3 1 +
NE 2 3 2 1 + +
E 2 1 1 1 + +
SE 1 2 2 6 4 2 1 +
S 2 2 2 3 2 1 + +
SW 1 3 2 1 + +
W 3 6 10 9 2 +
NW 2 4 3 1 + +
CALM 1 9.5 5936
TOTAL 14 23 26 23 9 3 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

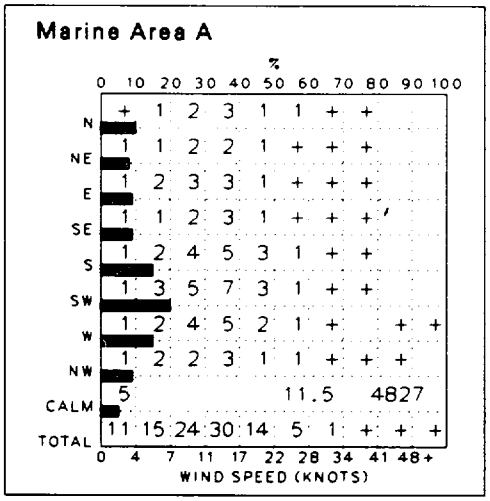

Cold Bay
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 5 3 1 + +
NE + 1 1 + + +
E + 1 1 + + + +
SE + 1 2 5 5 3 1 + +
S + 1 3 6 5 4 1 + +
SW + + + + + + + +
W + 1 3 7 4 1 + +
NW + 3 8 10 4 1 +
CALM 2 13.6 13871
TOTAL 4 11 22 31 19 10 2 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

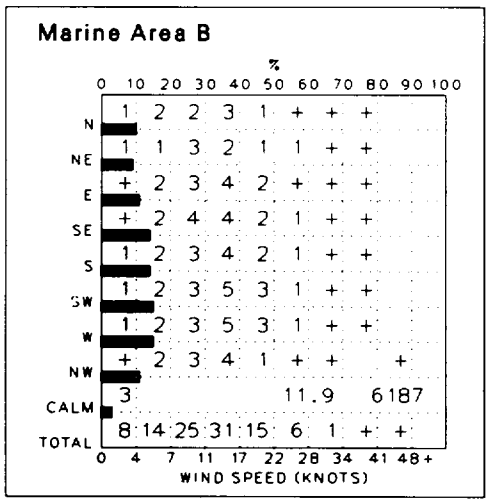

Nikolski
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 3 3 2 1 +
NE + + + + + +
E + 1 2 4 4 1 +
SE + 2 5 4 3 1 +
S + 3 5 3 2 1 +
SW + 2 4 3 1 1
W 1 3 4 2 1 + + +
NW + 5 6 6 4 1 +
CALM 4 11.5 2484
TOTAL 7 17 29 24 17 4 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

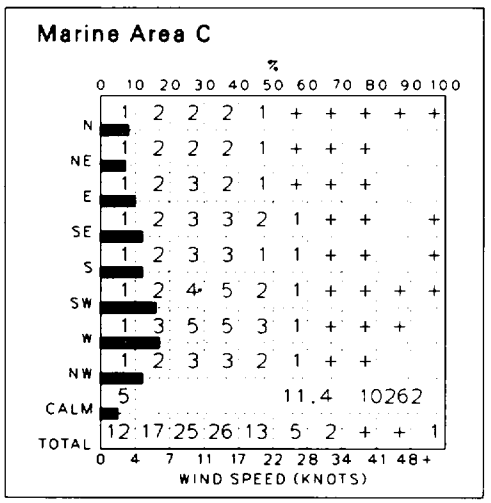

St. Paul
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 4 4 1 + +
NE + 1 2 2 1 + +
E + 1 3 3 1 + +
SE + 2 5 4 1 +
S + 2 6 6 1 + +
SW + 2 6 6 2 + +
W + 1 4 6 2 + +
NW + 1 4 5 2 + +
CALM 2 11.1 10321
TOTAL 3 12 34 37 12 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

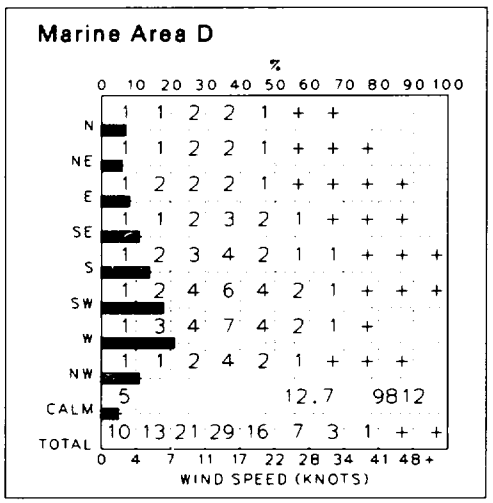

Adak
%
0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 2 1 + + +
NE 2 3 3 1 + +
E 2 3 3 1 + +
SE 1 3 3 1 + + +
S 1 2 3 3 1 + + + +
SW 1 2 4 5 2 1 + + +
W 1 2 6 9 4 2 + + +
NW + 1 2 2 1 1 + +
CALM 6 9.9 22247
TOTAL 15 19 26 25 9 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)


Shemya
%
0 10 20 30 40 50 60 70 80 90 100
N + 2 3 4 1 + + +
NE + 1 2 2 + +
E + 1 2 2 1 + +
SE 1 2 3 2 1 + +
S 1 2 4 4 2 1 + + +
SW 1 3 5 7 3 1 + + +
W 1 3 5 5 2 + + + +
NW + 1 3 4 2 + +
CALM 7 10.6 19059
TOTAL 12 15 26 31 12 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)



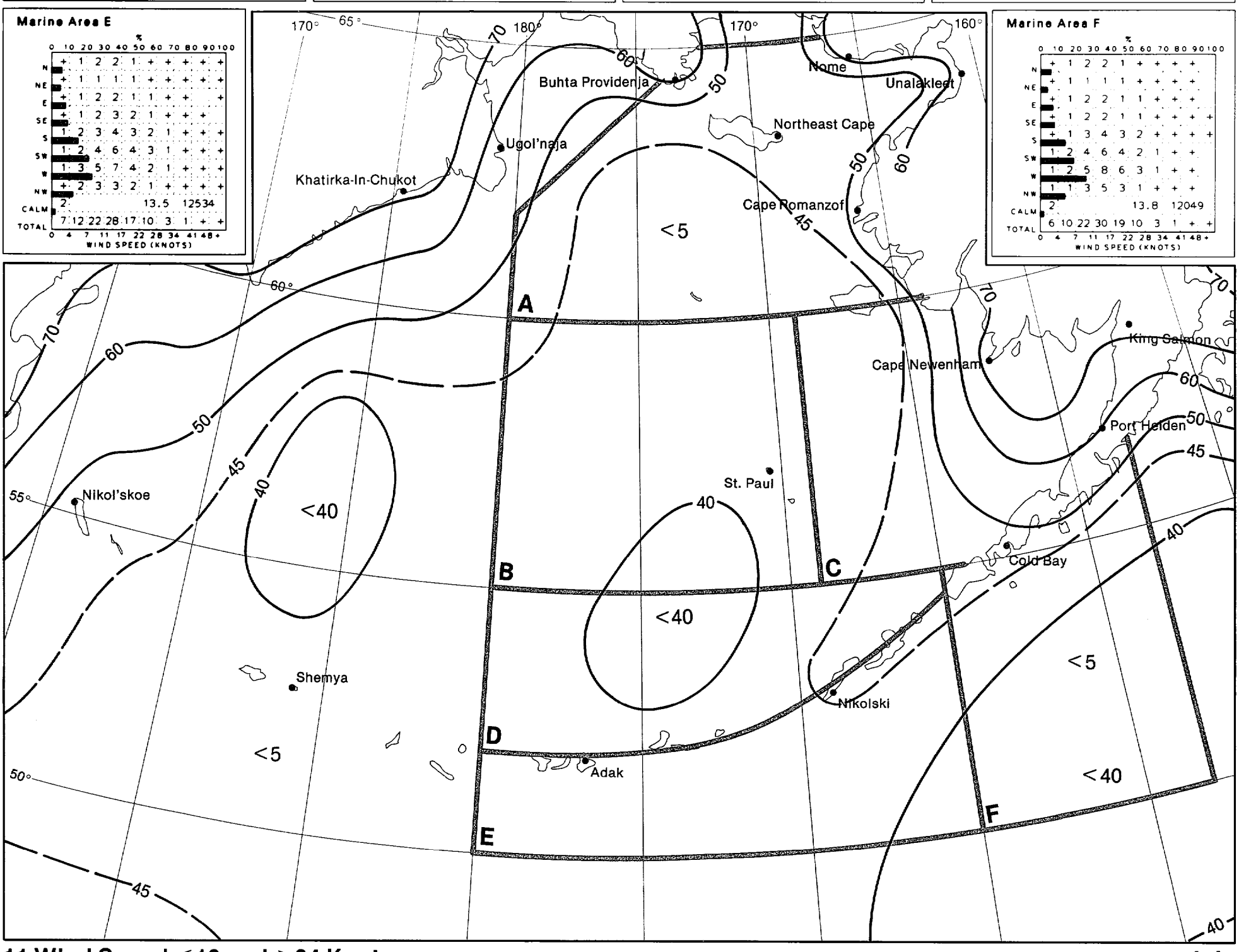







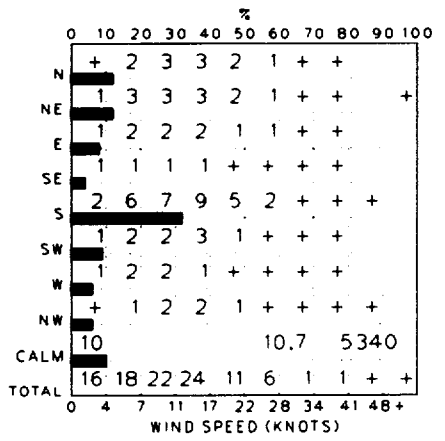


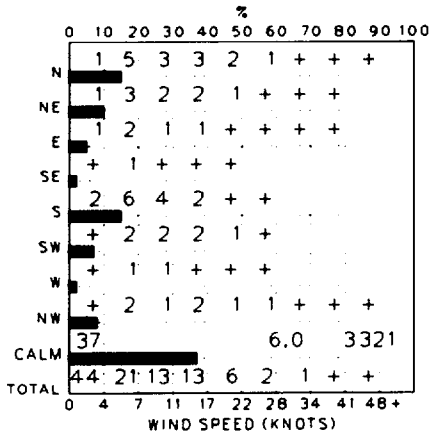

**11 Wind Speed ≦10 and ≧34 Knots**

**July**

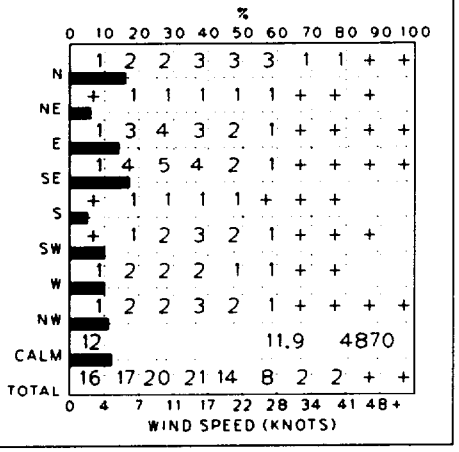
### Nikol'skoe



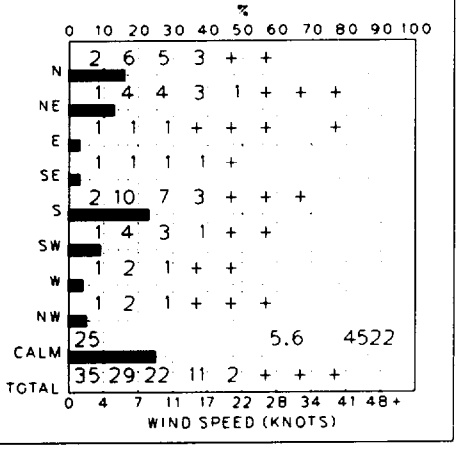

### Khatirka-In-Chukot



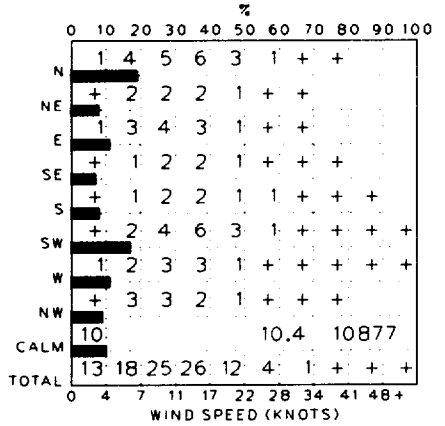

### Ugol'naja



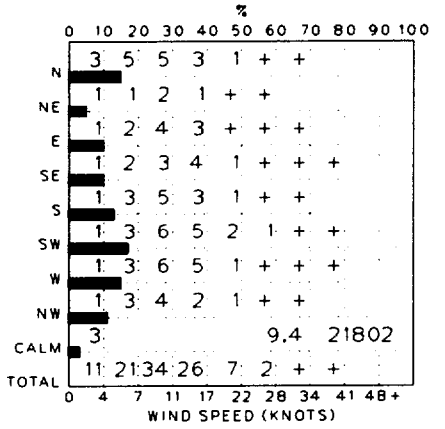

### Buhta Providenja



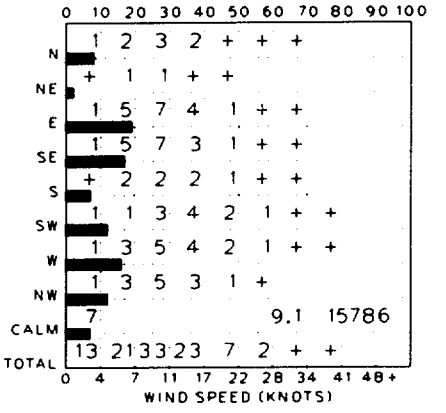

### Norheast Cape



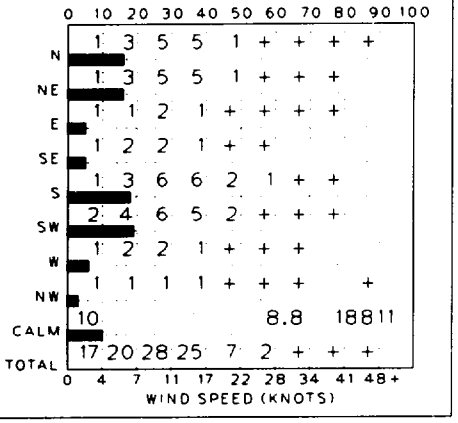

### Nome



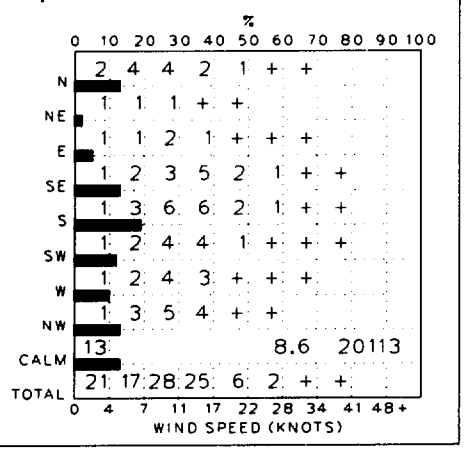

### Unalakleet



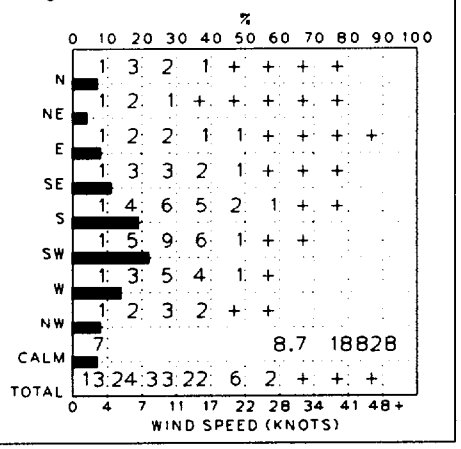

### Cape Romanzof



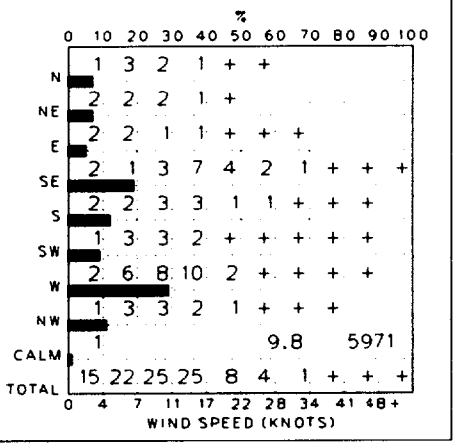

### Cape Newenham



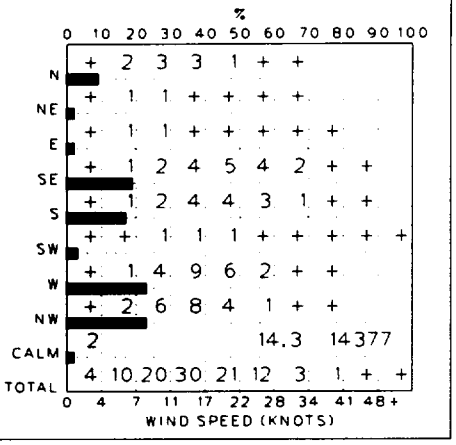

### King Salmon



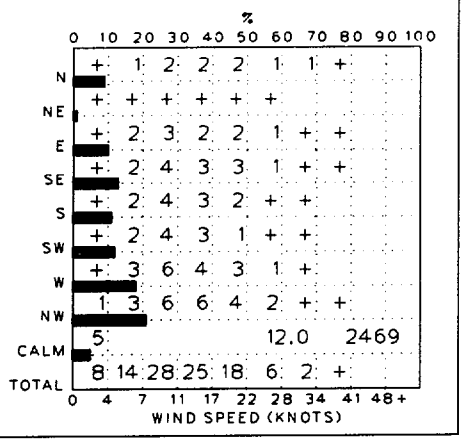

### Port Heiden



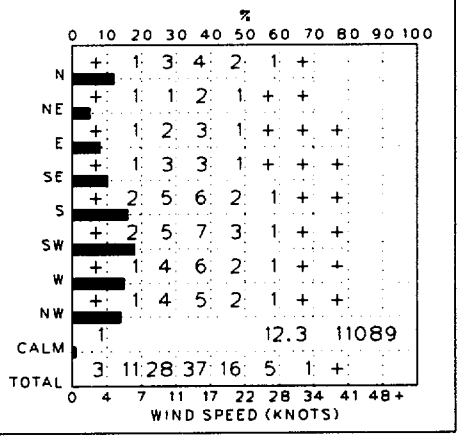

### Cold Bay



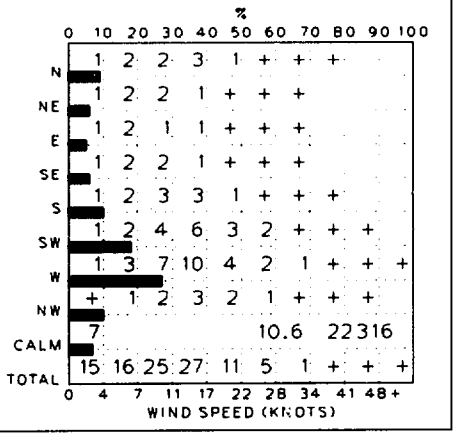

### Nikolski



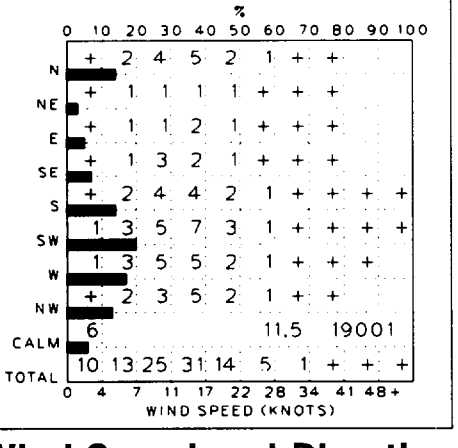

### St. Paul

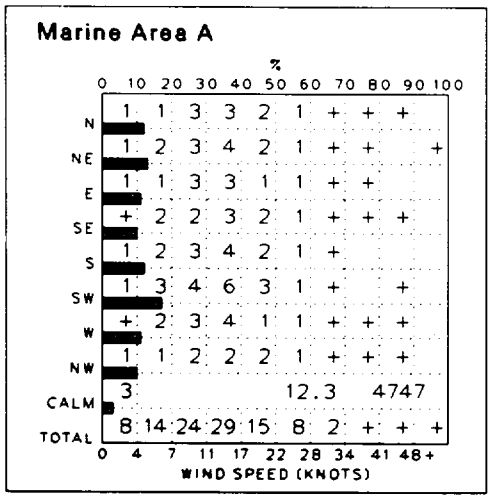


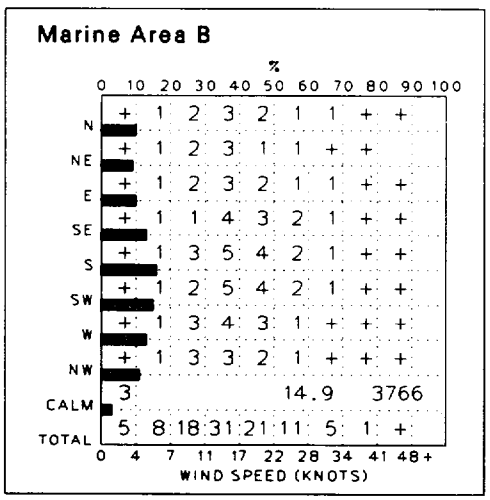

### Adak

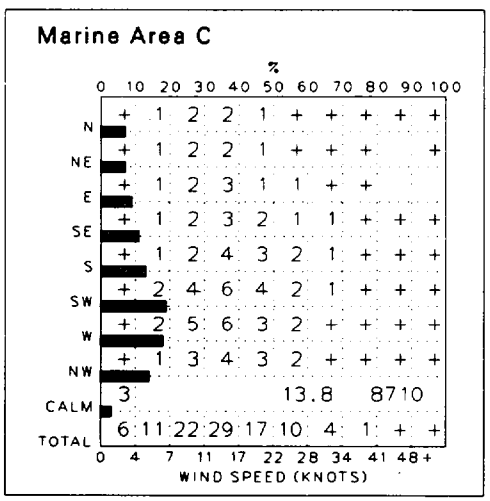


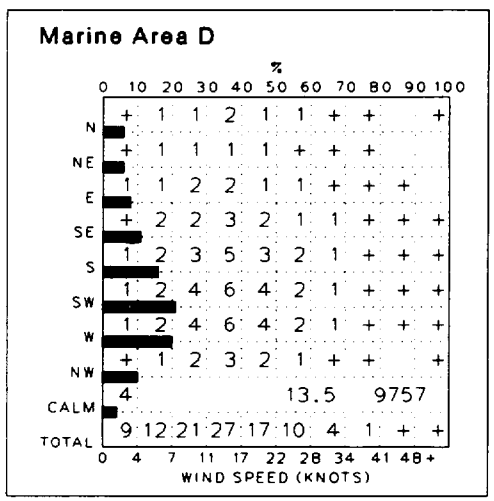

### Shemya

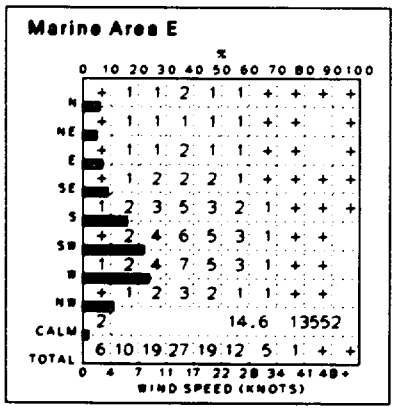


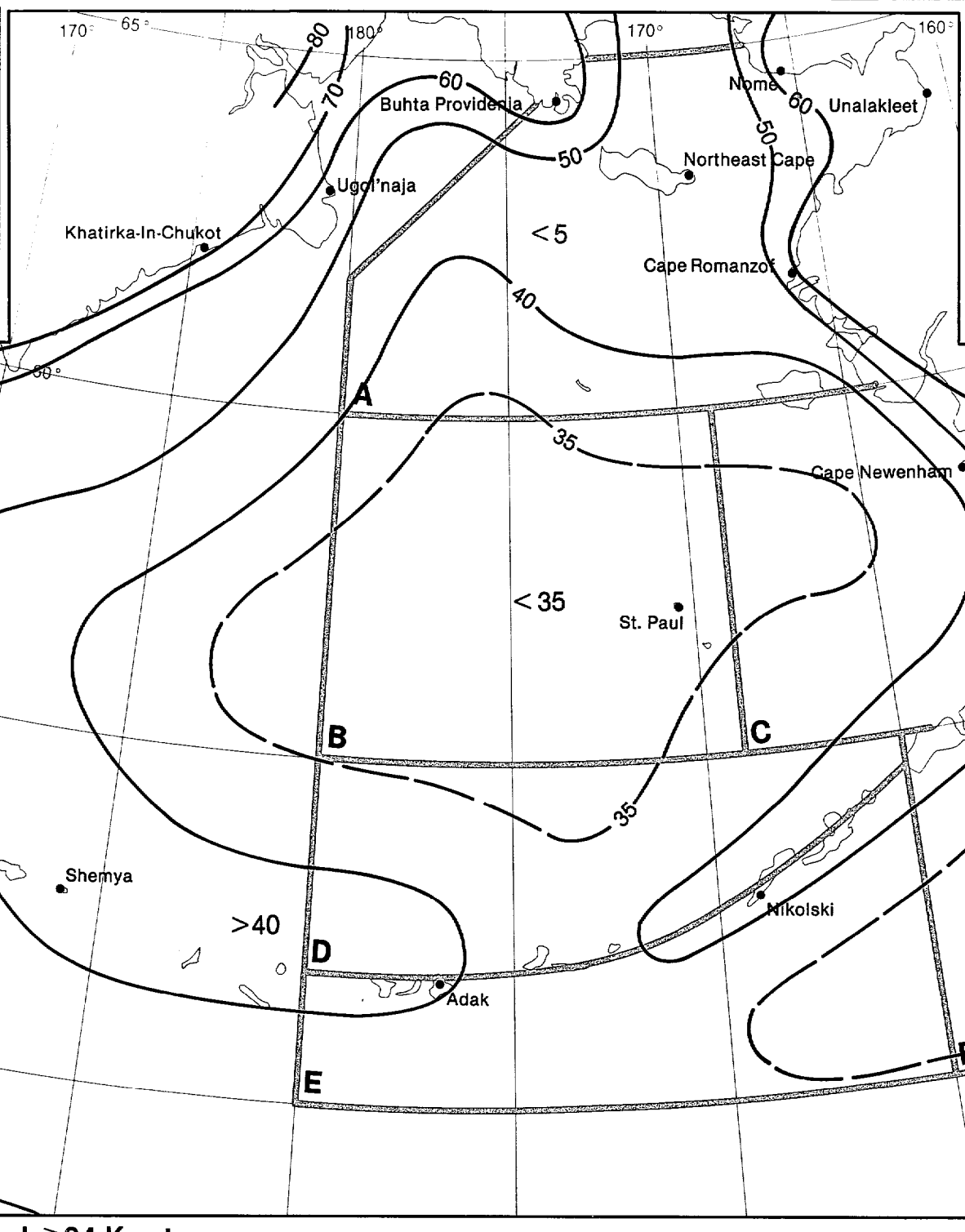


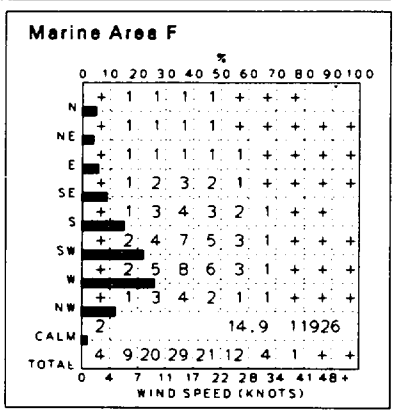



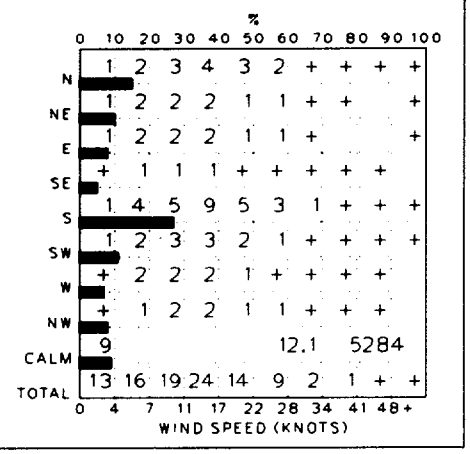



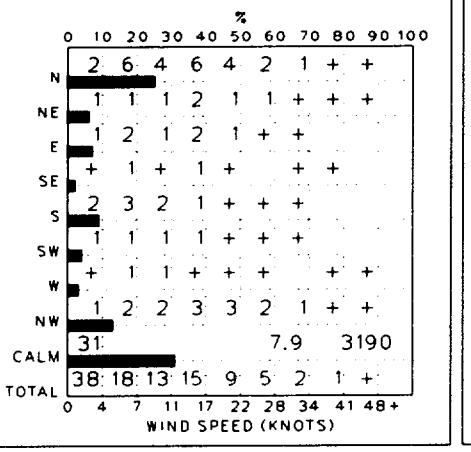

**11 Wind Speed ≦10 and ≧34 Knots**

**August**

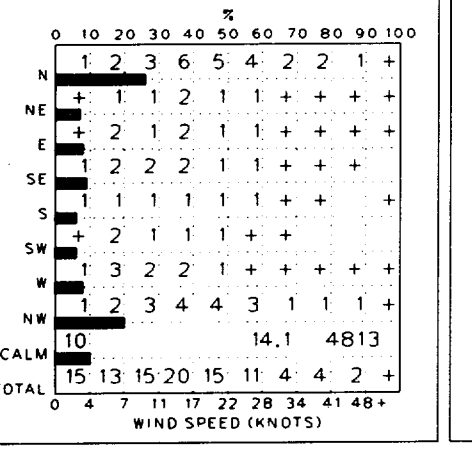
### Nikol'skoe



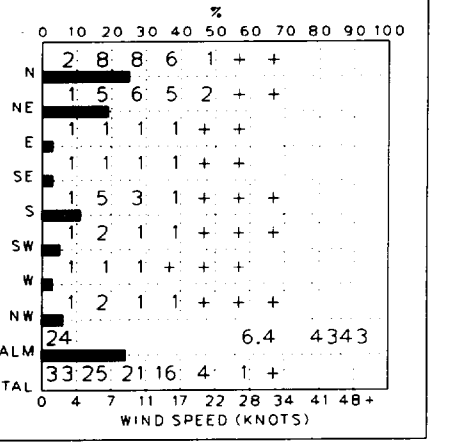

### Khatirka-In-Chukot



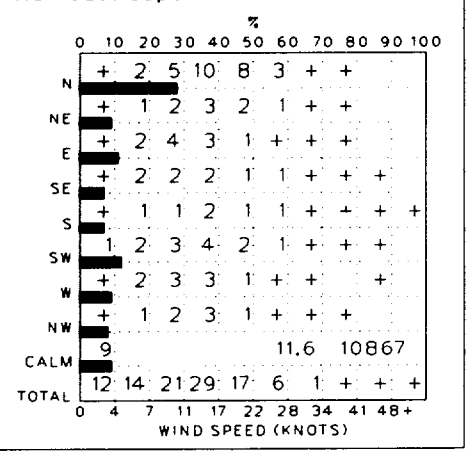

### Ugol'naja



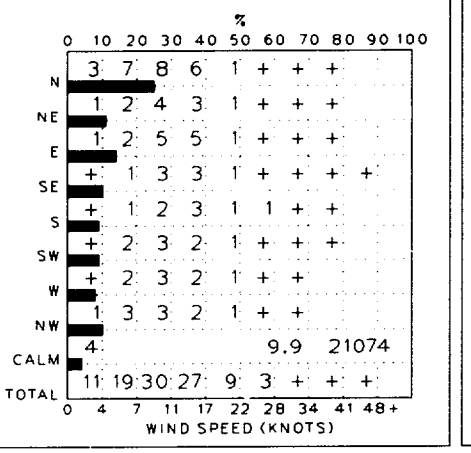

### Buhta Providenja



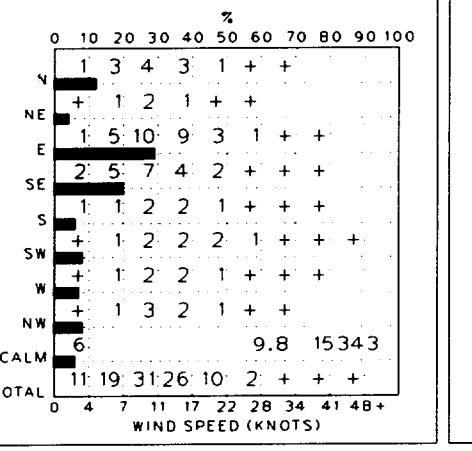

### Norheast Cape



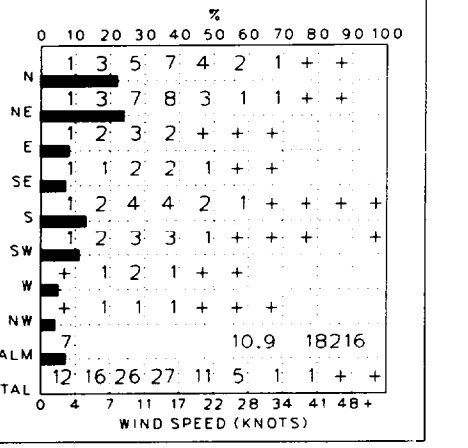

### Nome



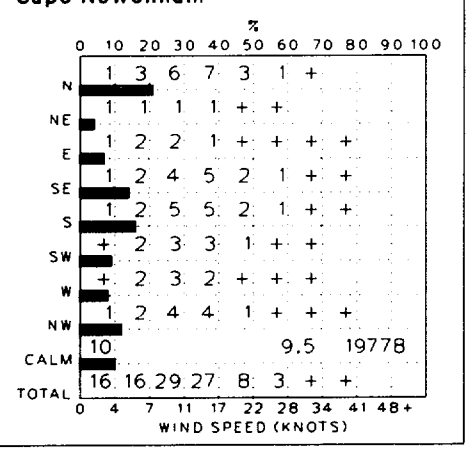

### Unalakleet



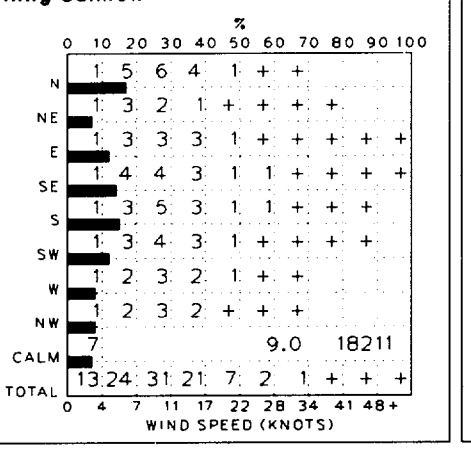

### Cape Romanzof



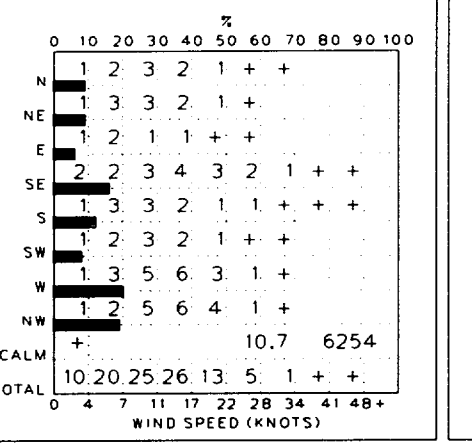

### Cape Newenham



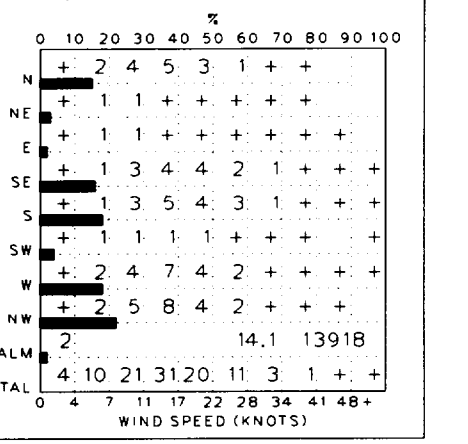

### King Salmon



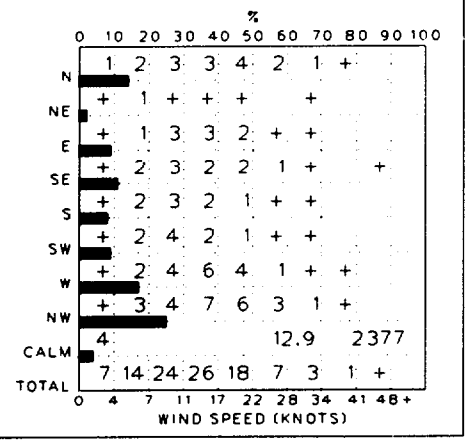

### Port Heiden



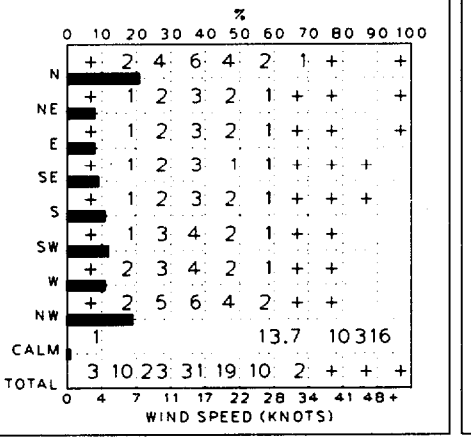

### Cold Bay



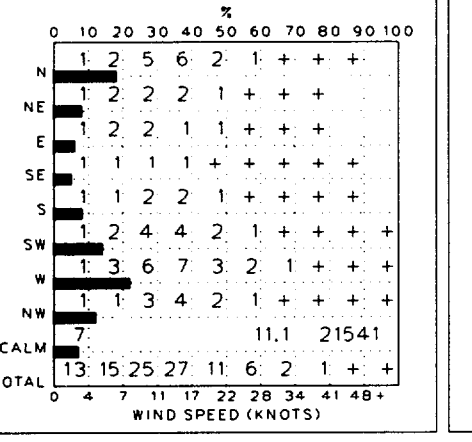

### Nikolski



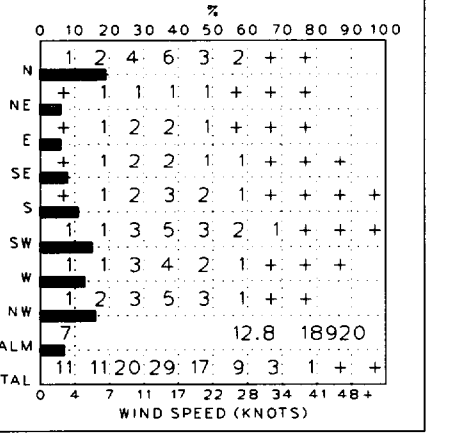

### St. Paul

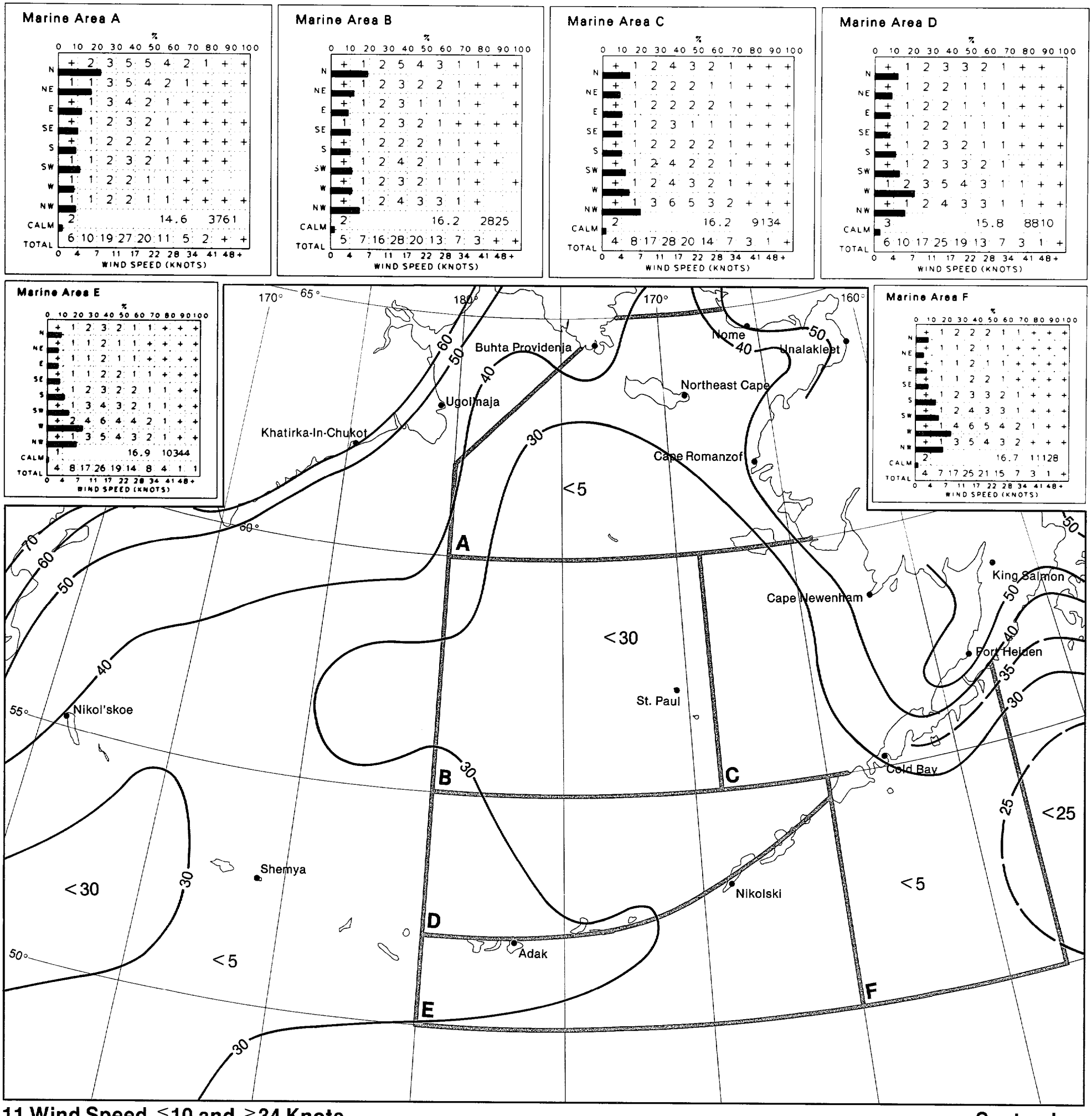



### Adak



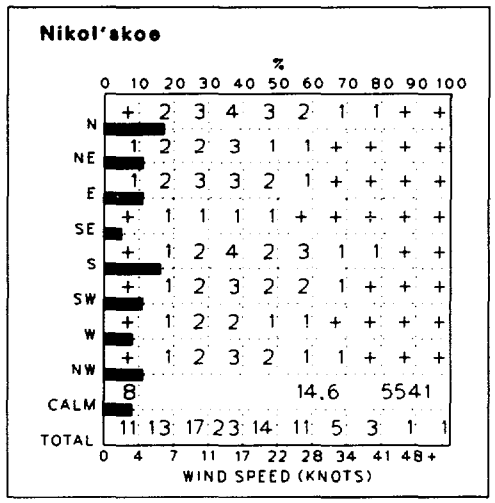

### Shemya

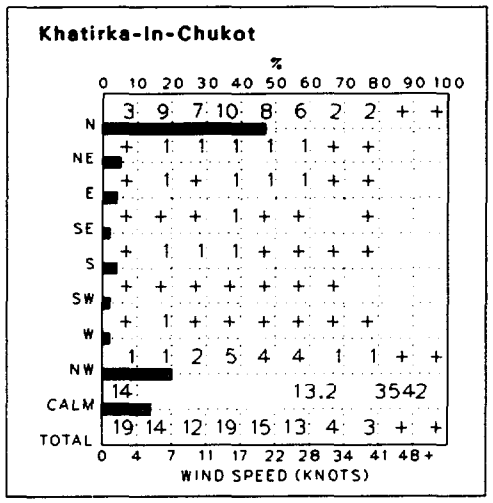


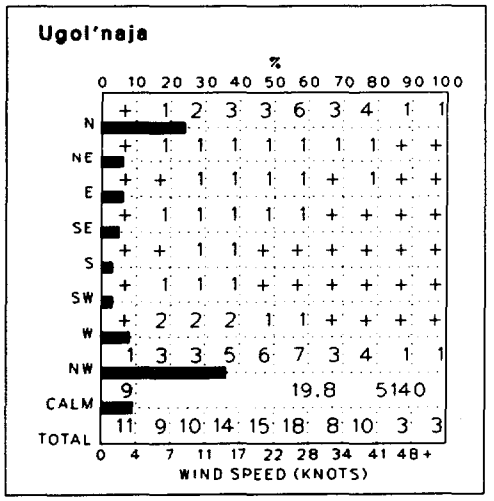


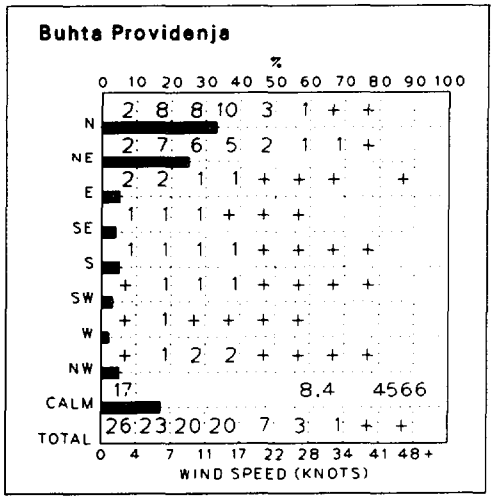

11 Wind Speed ≦10 and ≧34 Knots

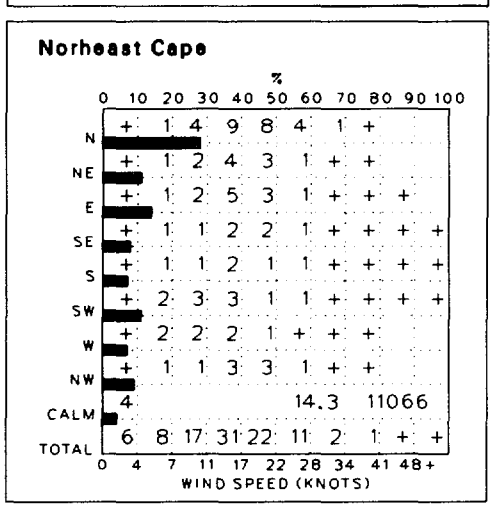
September

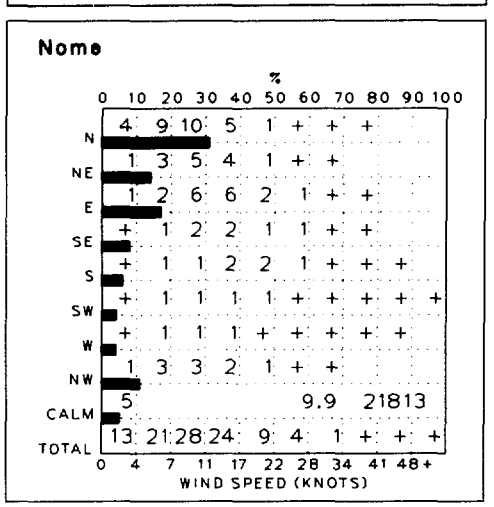

Nikol'skoe
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 3 4 3 2 1 1 + +
NE 1 2 2 3 1 1 + + + +
E 1 2 3 3 2 1 + + + +
SE + 1 1 1 1 + + + + +
S + 1 2 4 2 3 1 1 + +
SW + 1 2 3 2 2 1 + + +
W + 1 2 2 1 1 + + + +
NW + 1 2 3 2 1 1 + + +
CALM 8 14.6 5541
TOTAL 11 13 17 23 14 11 5 3 1 1
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

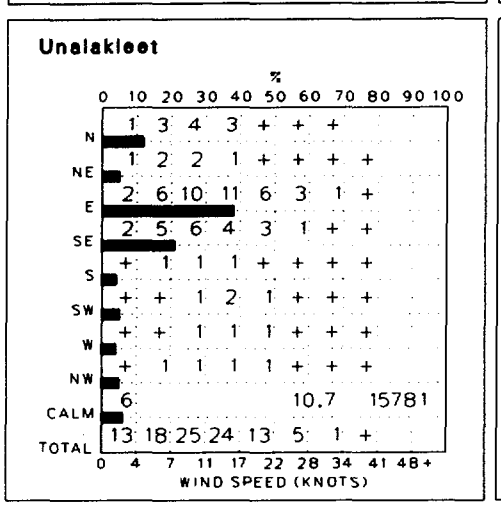

Khatirka-In-Chukot
% 0 10 20 30 40 50 60 70 80 90 100
N 3 9 7 10 8 6 2 2 + +
NE + 1 1 1 1 1 + +
E + 1 + 1 1 1 + +
SE + + + 1 + + + +
S + 1 1 1 + + + +
SW + + + + + + +
W + 1 + + + + + +
NW 1 1 2 5 4 4 1 1 + +
CALM 14 13.2 3542
TOTAL 19 14 12 19 15 13 4 3 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

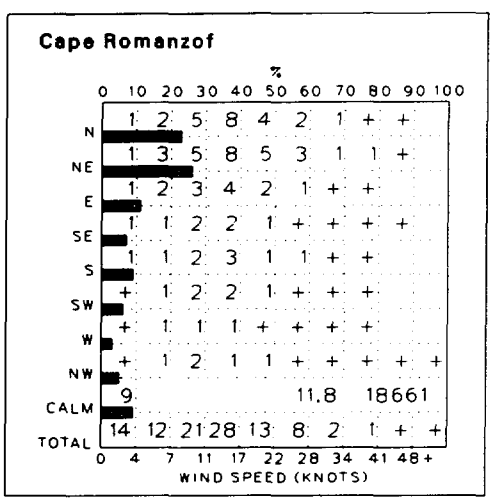

Ugol'naja
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 2 3 3 6 3 4 1 1
NE + 1 1 1 1 1 1 1 + +
E + + 1 1 1 1 + 1 + +
SE + 1 1 1 1 1 + + + +
S + + 1 1 + + + + + +
SW + 1 1 1 + + + + + +
W + 2 2 2 1 1 + + + +
NW 1 3 3 5 6 7 3 4 1 1
CALM 9 19.8 5140
TOTAL 11 9 10 14 15 18 8 10 3 3
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

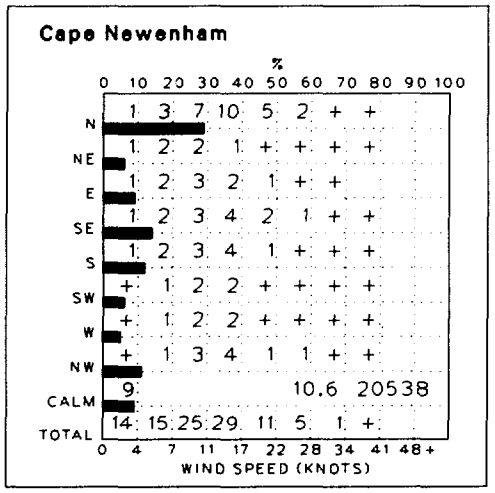

Buhta Providenja
% 0 10 20 30 40 50 60 70 80 90 100
N 2 8 8 10 3 1 + +
NE 2 7 6 5 2 1 1 +
E 2 2 1 1 + + + +
SE 1 1 1 + + +
S 1 1 1 1 + + + +
SW + 1 1 1 + + + +
W + 1 + + + +
NW + 1 2 2 + + + +
CALM 17 8.4 4566
TOTAL 26 23 20 20 7 3 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

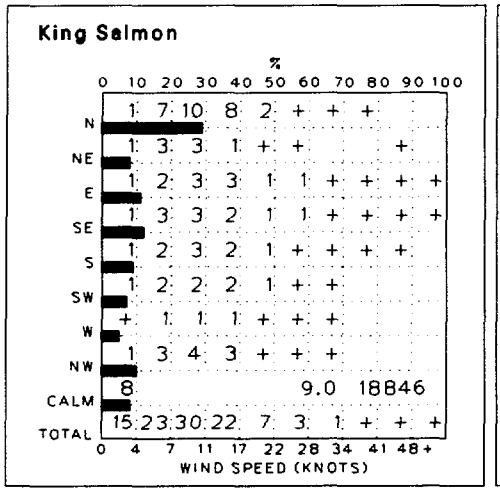

Norheast Cape
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 4 9 8 4 1 +
NE + 1 2 4 3 1 + +
E + 1 2 5 3 1 + + +
SE + 1 1 2 2 1 + + + +
S + 1 1 2 1 1 + + + +
SW + 2 3 3 1 1 + + + +
W + 2 2 2 1 + + +
NW + 1 1 3 3 1 + +
CALM 4 14.3 11066
TOTAL 6 8 17 31 22 11 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

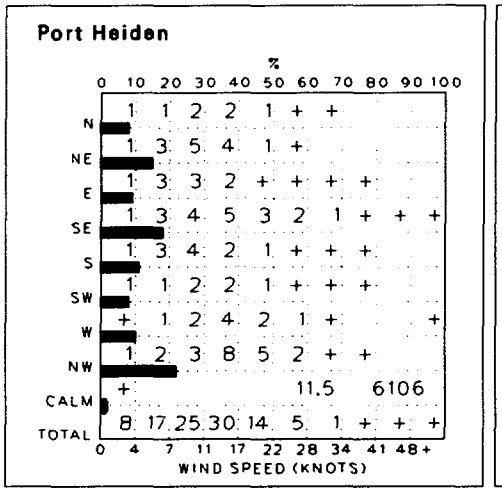

Nome
% 0 10 20 30 40 50 60 70 80 90 100
N 4 9 10 5 1 + + +
NE 1 3 5 4 1 + +
E 1 2 6 6 2 1 + +
SE + 1 2 2 1 1 + +
S + 1 1 2 2 1 + + +
SW + 1 1 1 1 + + + + +
W + 1 1 1 + + + + +
NW 1 3 3 2 1 + +
CALM 5 9.9 21813
TOTAL 13 21 28 24 9 4 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

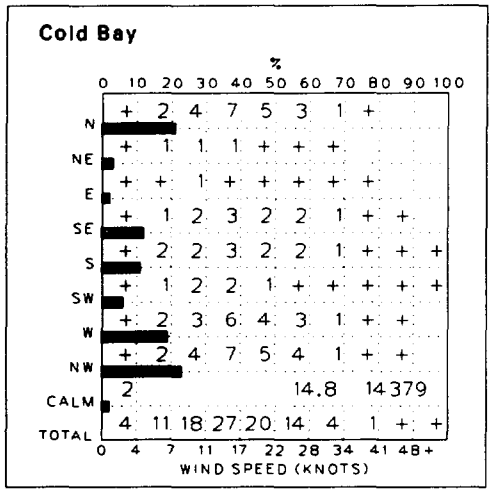

Unalakleet
% 0 10 20 30 40 50 60 70 80 90 100
N 1 3 4 3 + + +
NE 1 2 2 1 + + + +
E 2 6 10 11 6 3 1 +
SE 2 5 6 4 3 1 + +
S + 1 1 1 + + + +
SW + + 1 2 1 + + +
W + + 1 1 1 + + +
NW + 1 1 1 1 + + +
CALM 6 10.7 15781
TOTAL 13 18 25 24 13 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

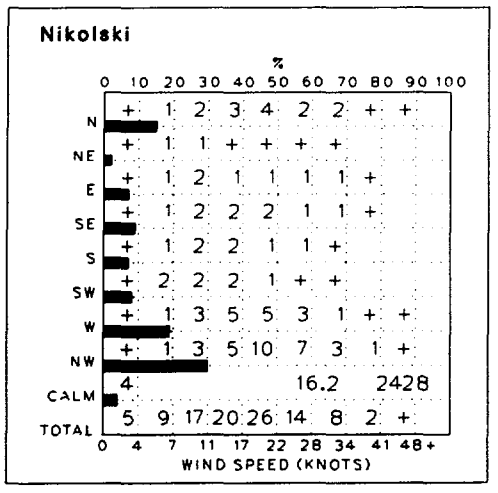

Cape Romanzof
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 5 8 4 2 1 + +
NE 1 3 5 8 5 3 1 1 +
E 1 2 3 4 2 1 + +
SE 1 1 2 2 1 + + + +
S 1 1 2 3 1 1 + +
SW + 1 2 2 1 + + +
W + 1 1 1 + + + +
NW + 1 2 1 1 + + + + +
CALM 9 11.8 18661
TOTAL 14 12 21 28 13 8 2 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

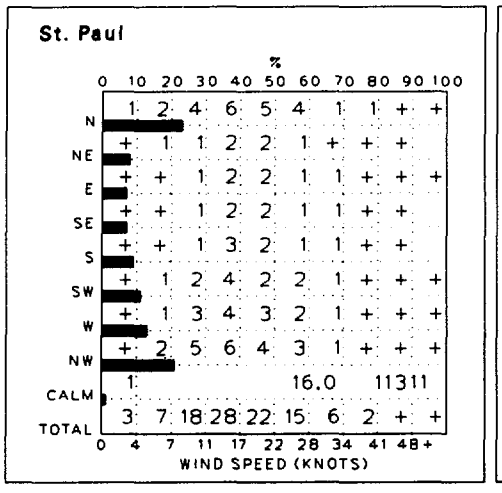

Cape Newenham
% 0 10 20 30 40 50 60 70 80 90 100
N 1 3 7 10 5 2 + +
NE 1 2 2 1 + + + +
E 1 2 3 2 1 + +
SE 1 2 3 4 2 1 + +
S 1 2 3 4 1 + + +
SW + 1 2 2 + + + +
W + 1 2 2 + + + +
NW + 1 3 4 1 1 + +
CALM 9 10.6 20538
TOTAL 14 15 25 29 11 5 1 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

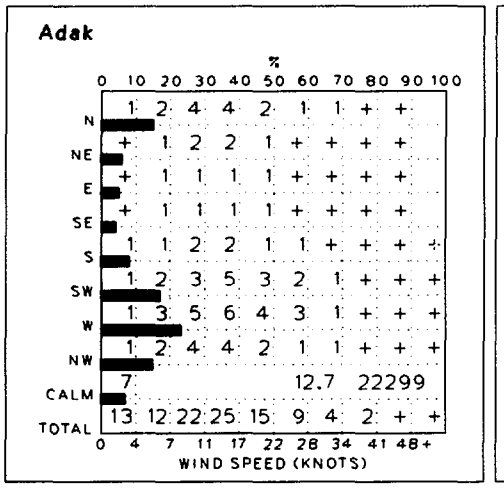

King Salmon
% 0 10 20 30 40 50 60 70 80 90 100
N 1 7 10 8 2 + + +
NE 1 3 3 1 + + +
E 1 2 3 3 1 1 + + + +
SE 1 3 3 2 1 1 + + + +
S 1 2 3 2 1 + + + +
SW 1 2 2 2 1 + +
W + 1 1 1 + + +
NW 1 3 4 3 + + +
CALM 8 9.0 18846
TOTAL 15 23 30 22 7 3 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

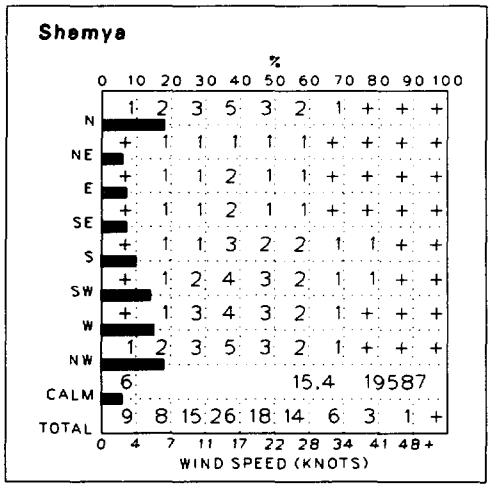

Port Heiden
% 0 10 20 30 40 50 60 70 80 90 100
N 1 1 2 2 1 + +
NE 1 3 5 4 1 +
E 1 3 3 2 + + + +
SE 1 3 4 5 3 2 1 + + +
S 1 3 4 2 1 + + +
SW 1 1 2 2 1 + + +
W + 1 2 4 2 1 + +
NW 1 2 3 8 5 2 + +
CALM + 11.5 6106
TOTAL 8 17 25 30 14 5 1 + + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

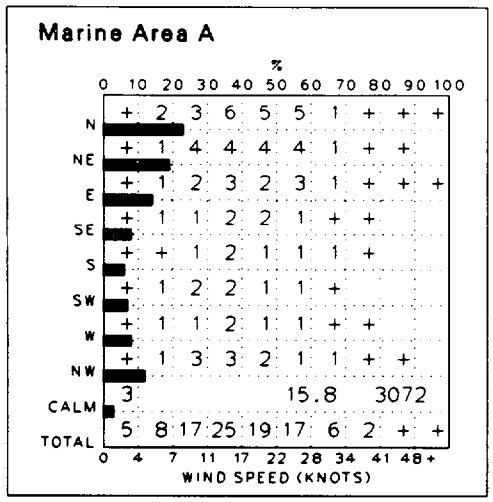

Cold Bay
% 0 10 20 30 40 50 60 70 80 90 100
N + 2 4 7 5 3 1 +
NE + 1 1 1 + + +
E + + 1 + + + + +
SE + 1 2 3 2 2 1 + +
S + 2 2 3 2 2 1 + + +
SW + 1 2 2 1 + + + + +
W + 2 3 6 4 3 1 + +
NW + 2 4 7 5 4 1 + +
CALM 2 14.8 14379
TOTAL 4 11 18 27 20 14 4 1 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

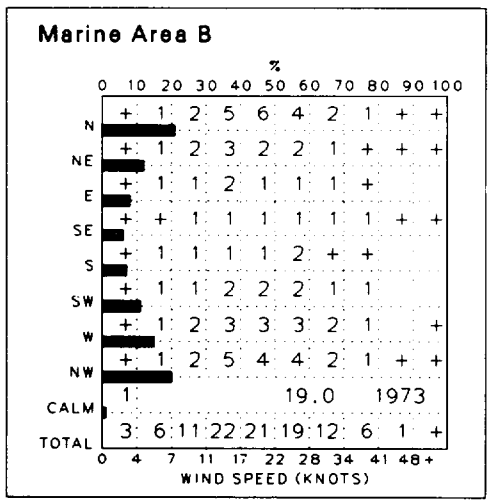

Nikolski
% 0 10 20 30 40 50 60 70 80 90 100
N + 1 2 3 4 2 2 + +
NE + 1 1 + + + +
E + 1 2 1 1 1 1 +
SE + 1 2 2 2 1 1 +
S + 1 2 2 1 1 +
SW + 2 2 2 1 + +
W + 1 3 5 5 3 1 + +
NW + 1 3 5 10 7 3 1 +
CALM 4 16.2 2428
TOTAL 5 9 17 20 26 14 8 2 +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

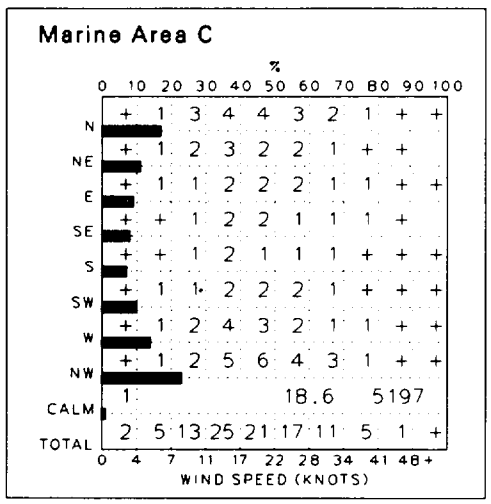

St. Paul
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 6 5 4 1 1 + +
NE + 1 1 2 2 1 + + +
E + + 1 2 2 1 1 + + +
SE + + 1 2 2 1 1 + +
S + + 1 3 2 1 1 + +
SW + 1 2 4 2 2 1 + + +
W + 1 3 4 3 2 1 + + +
NW + 2 5 6 4 3 1 + + +
CALM 1 16.0 11311
TOTAL 3 7 18 28 22 15 6 2 + +
0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

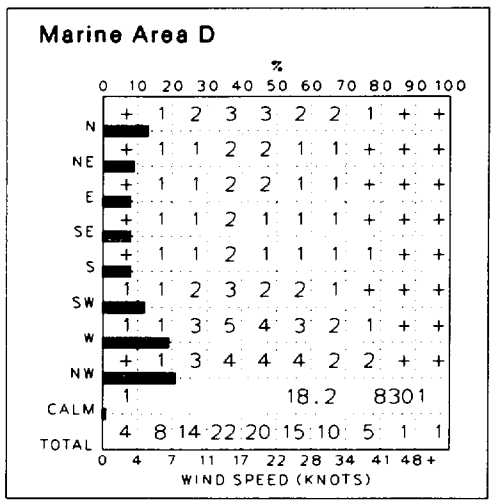

Adak
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 4 4 2 1 1 + +
NE + 1 2 2 1 + + + +
E + 1 1 1 1 + + + +
SE + 1 1 2 2 1 1 + + +
S 1 2 3 5 3 2 1 + + +
SW 1 3 5 6 4 3 1 + + +
W 1 2 4 4 2 1 1 + + +
NW 7 12.7 22299
CALM 13 12 22 25 15 9 4 2 + +
TOTAL 0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

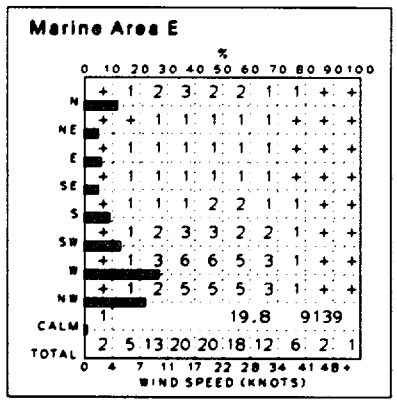

Shemya
% 0 10 20 30 40 50 60 70 80 90 100
N 1 2 3 5 3 2 1 + + +
NE + 1 1 1 1 1 + + + +
E + 1 1 2 1 1 + + + +
SE + 1 1 3 2 2 1 1 + +
S + 1 2 4 3 2 1 1 + +
SW + 1 3 4 3 2 1 + + +
W 1 2 3 5 3 2 1 + + +
NW 6 15.4 19587
CALM 9 8 15 26 18 14 6 3 1 +
TOTAL 0 4 7 11 17 22 28 34 41 48+
WIND SPEED (KNOTS)

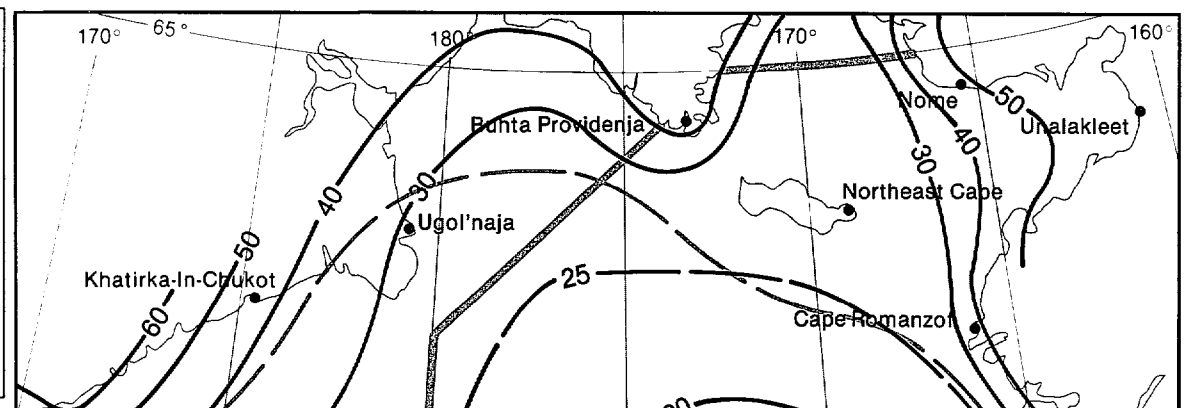


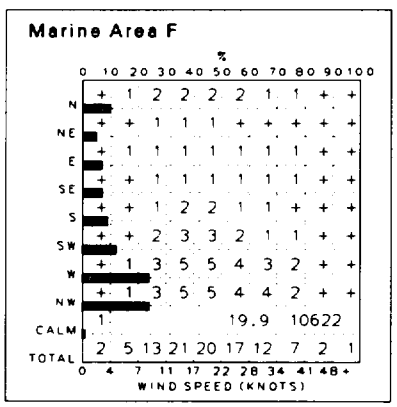



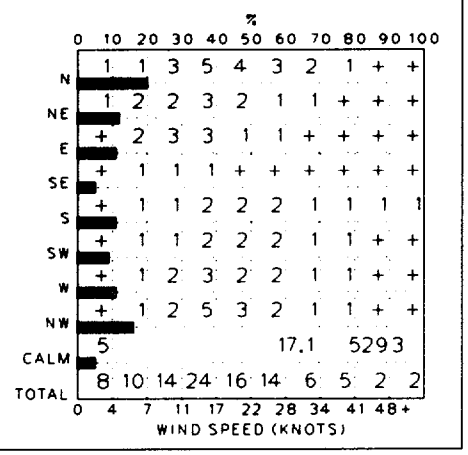



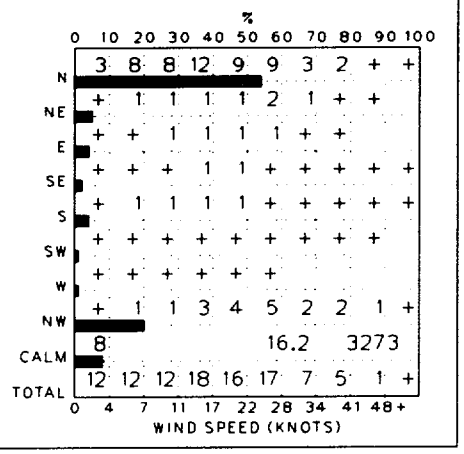




**11 Wind Speed ≦10 and ≧34 Knots** **October**

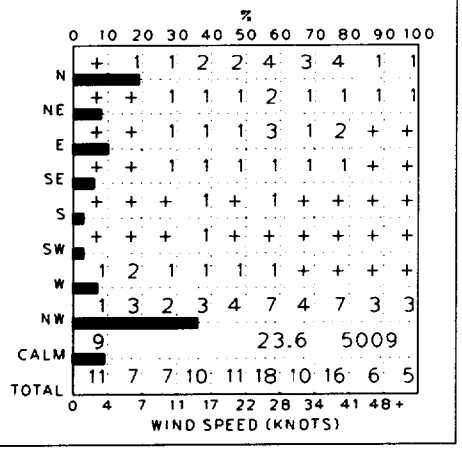
### Nikol'skoe



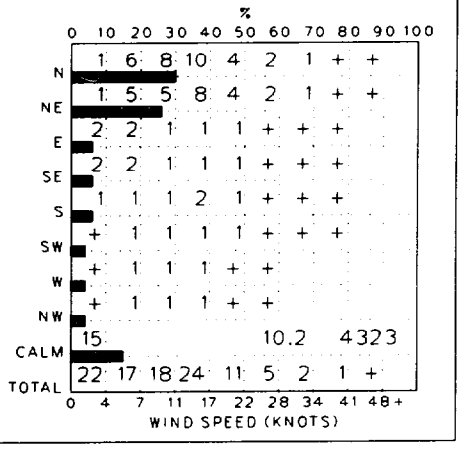

### Khatirka-In-Chukot



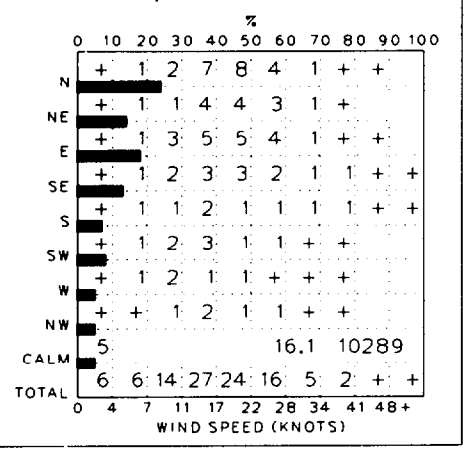

### Ugol'naja



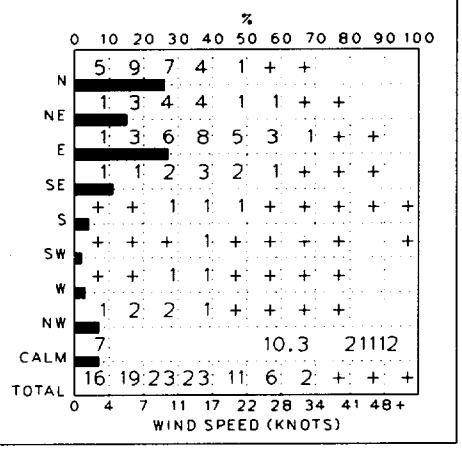

### Buhta Providenja



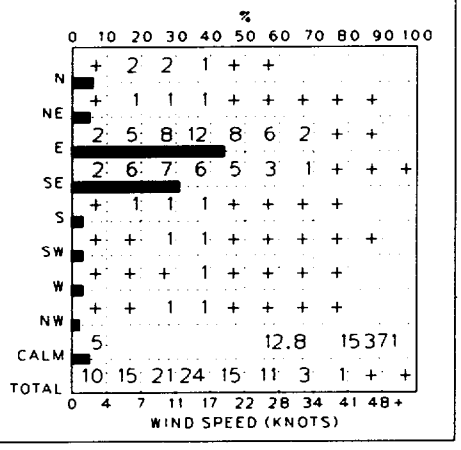

### Norheast Cape



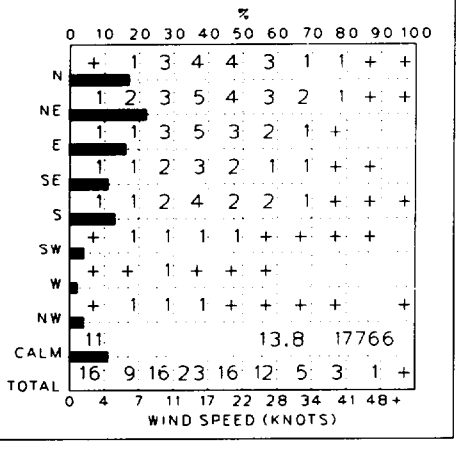

### Nome



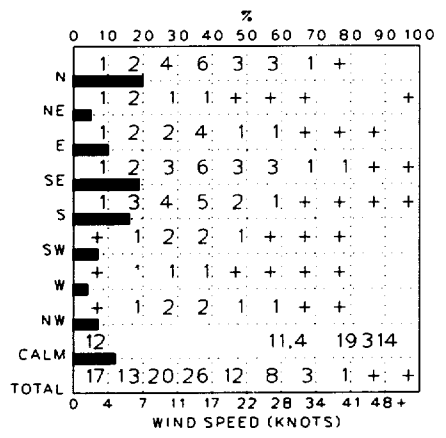

### Unalakleet



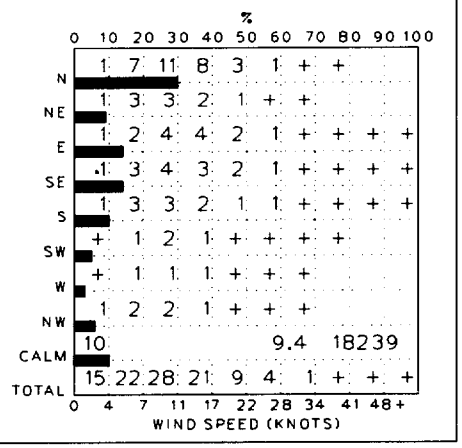

### Cape Romanzof



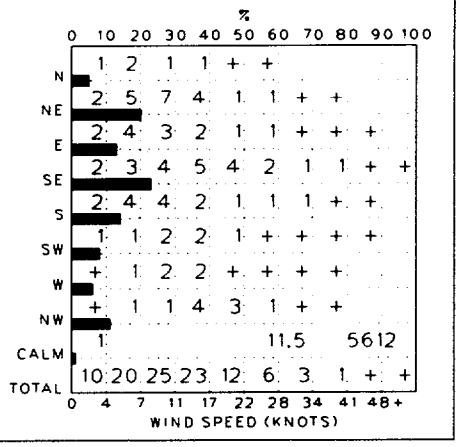

### Cape Newenham



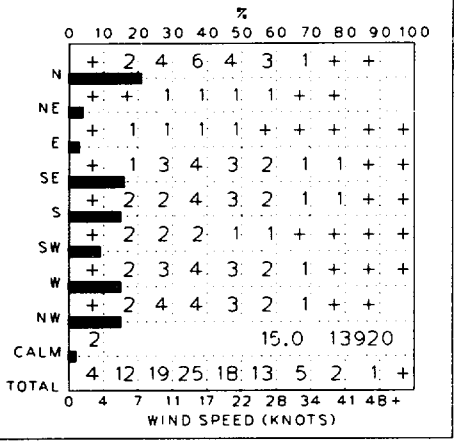

### King Salmon



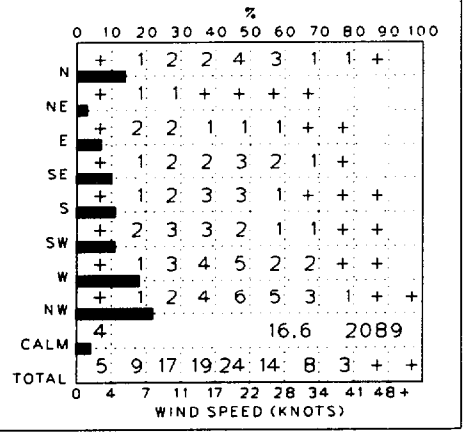

### Port Heiden



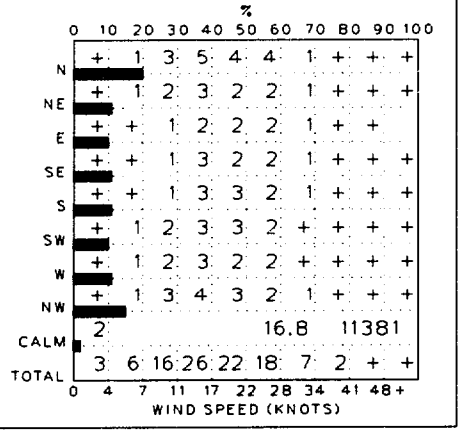

### Cold Bay



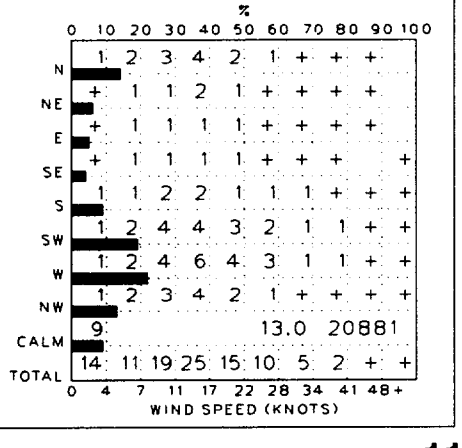

### Nikolski



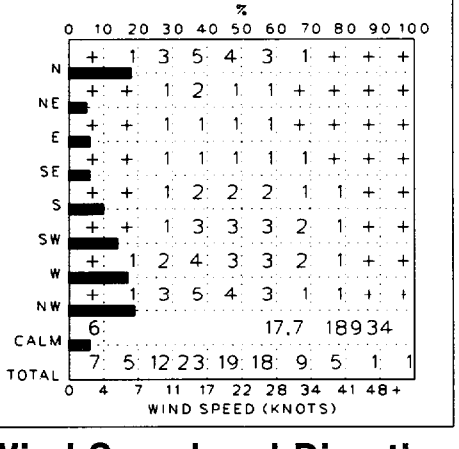

### St. Paul

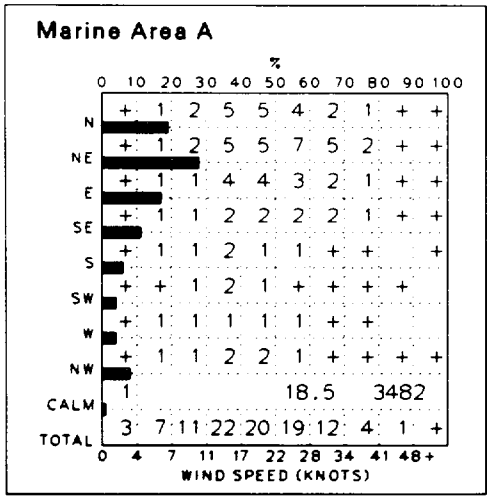


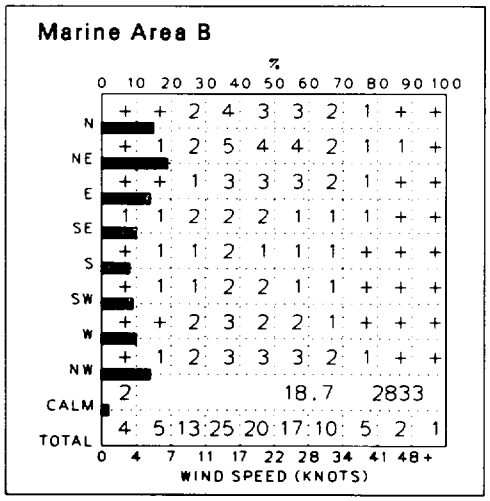

### Adak

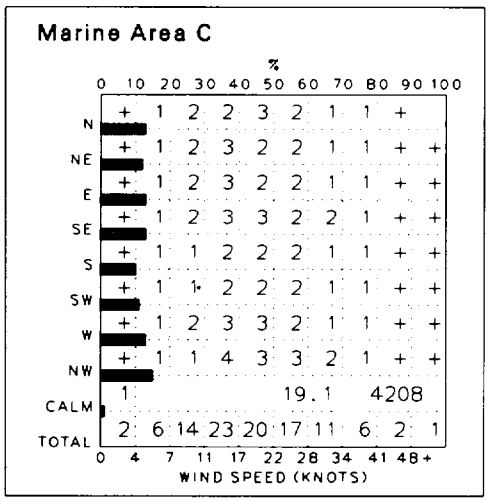


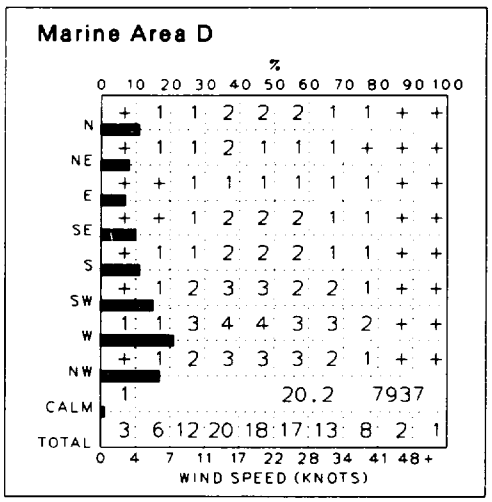

### Shemya

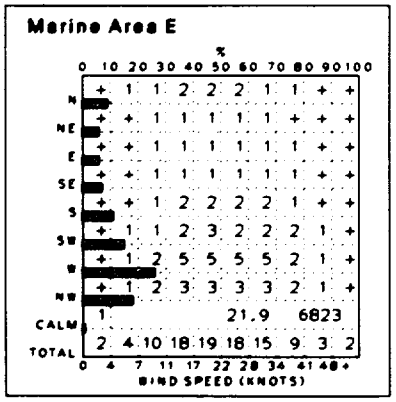


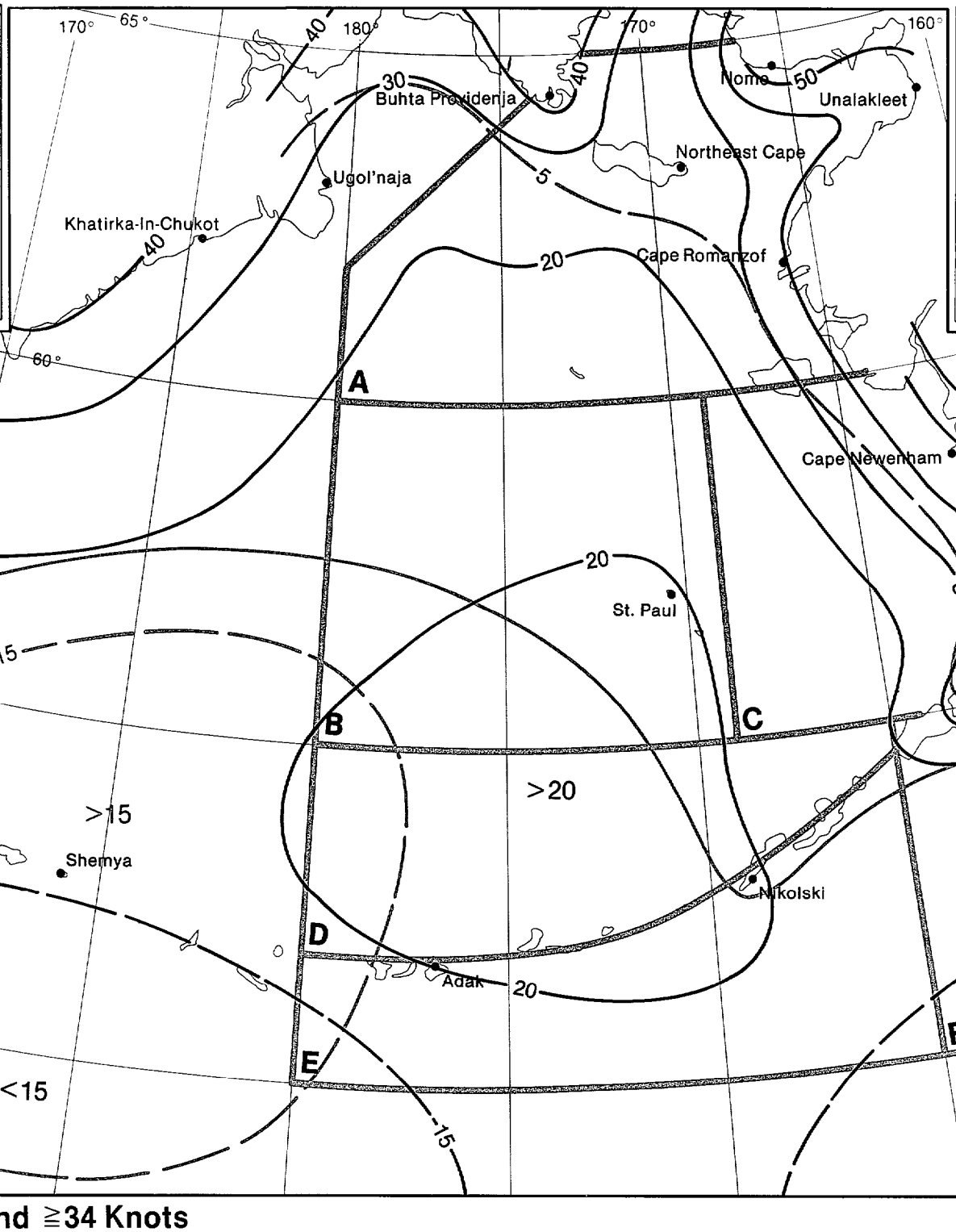


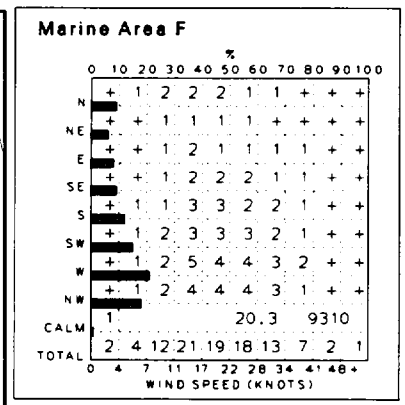



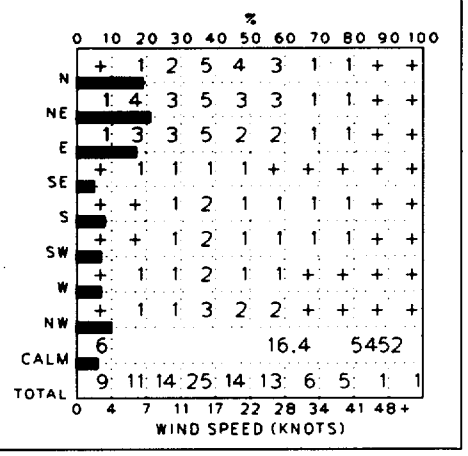



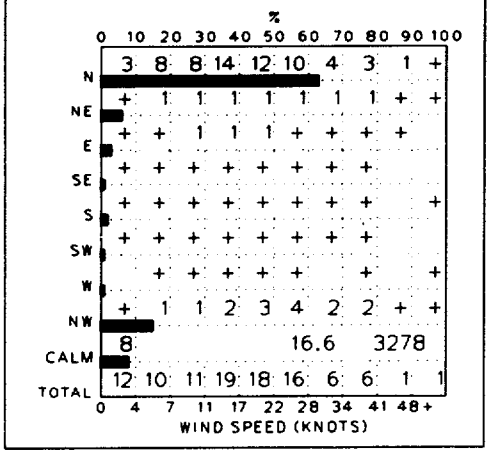

**11 Wind Speed ≦10 and ≧34 Knots**

**November**

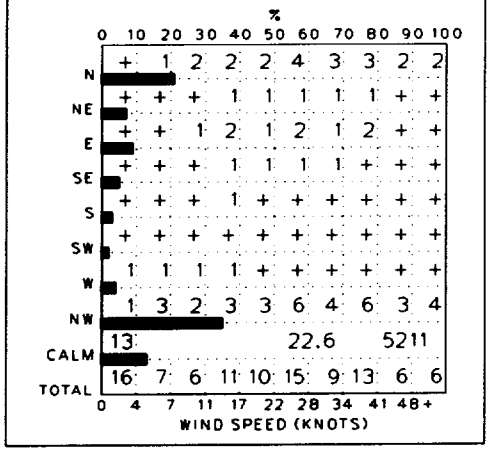
### Nikol'skoe



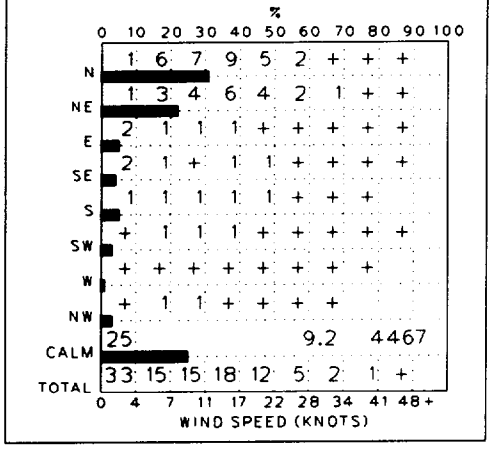

### Khatirka-In-Chukot



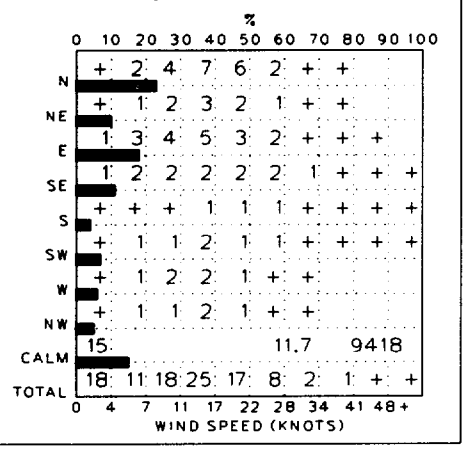

### Ugol'naja



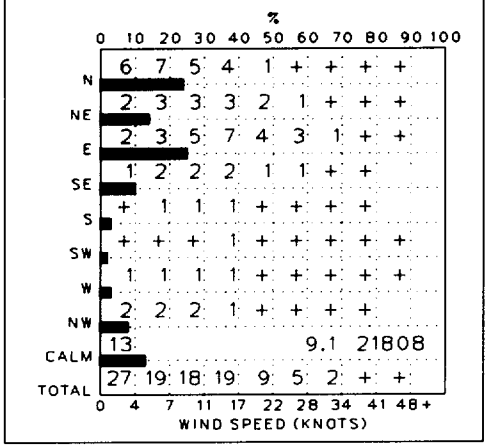

### Buhta Providenja



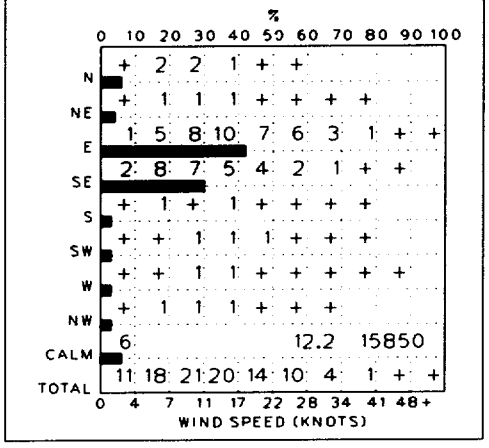

### Norheast Cape



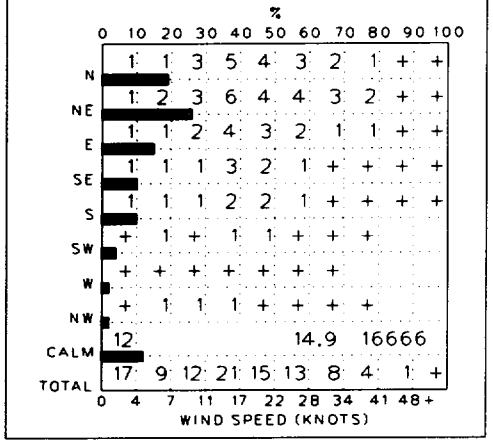

### Nome



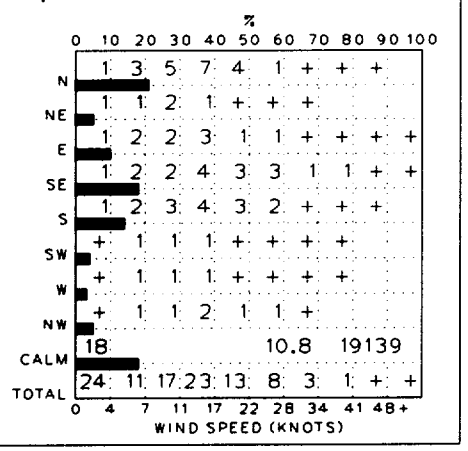

### Unalakleet



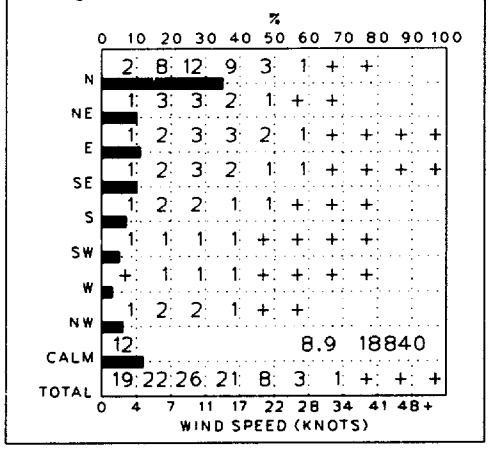

### Cape Romanzof



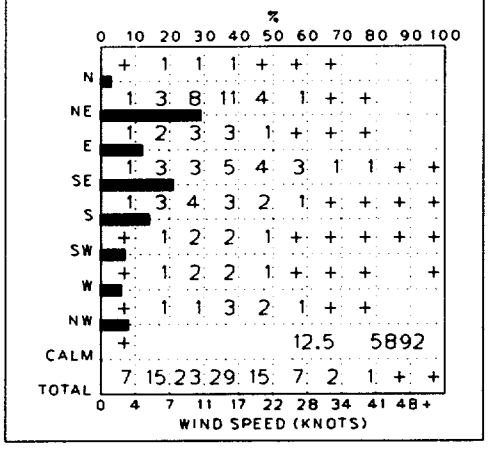

### Cape Newenham



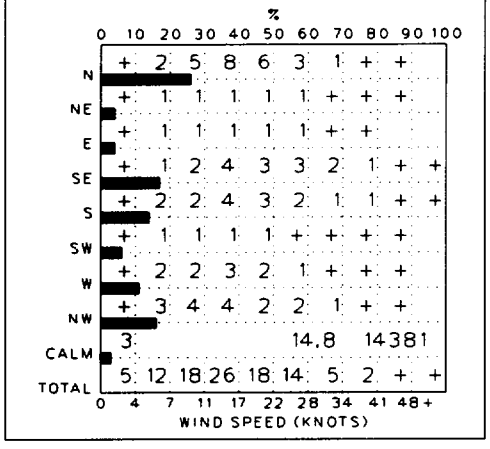

### King Salmon



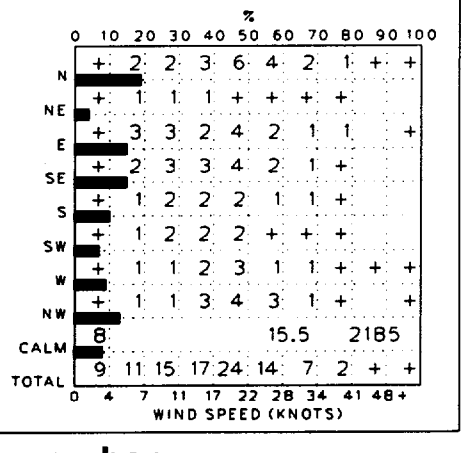

### Port Heiden



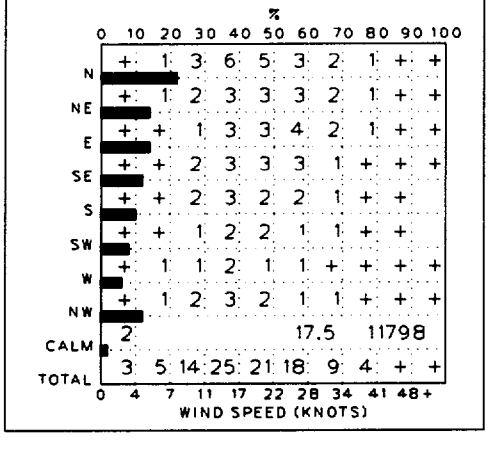

### Cold Bay



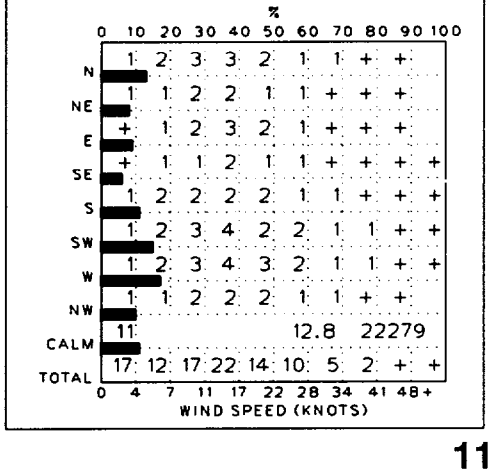

### Nikolski



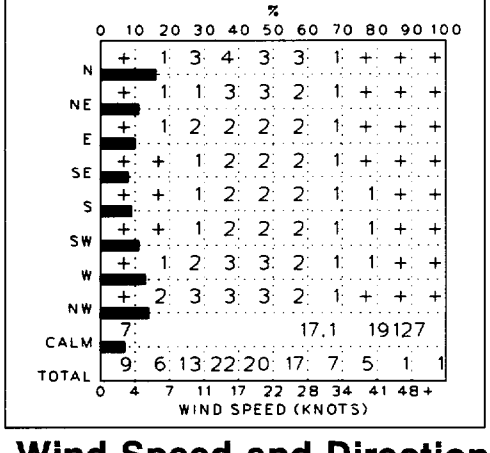

### St. Paul

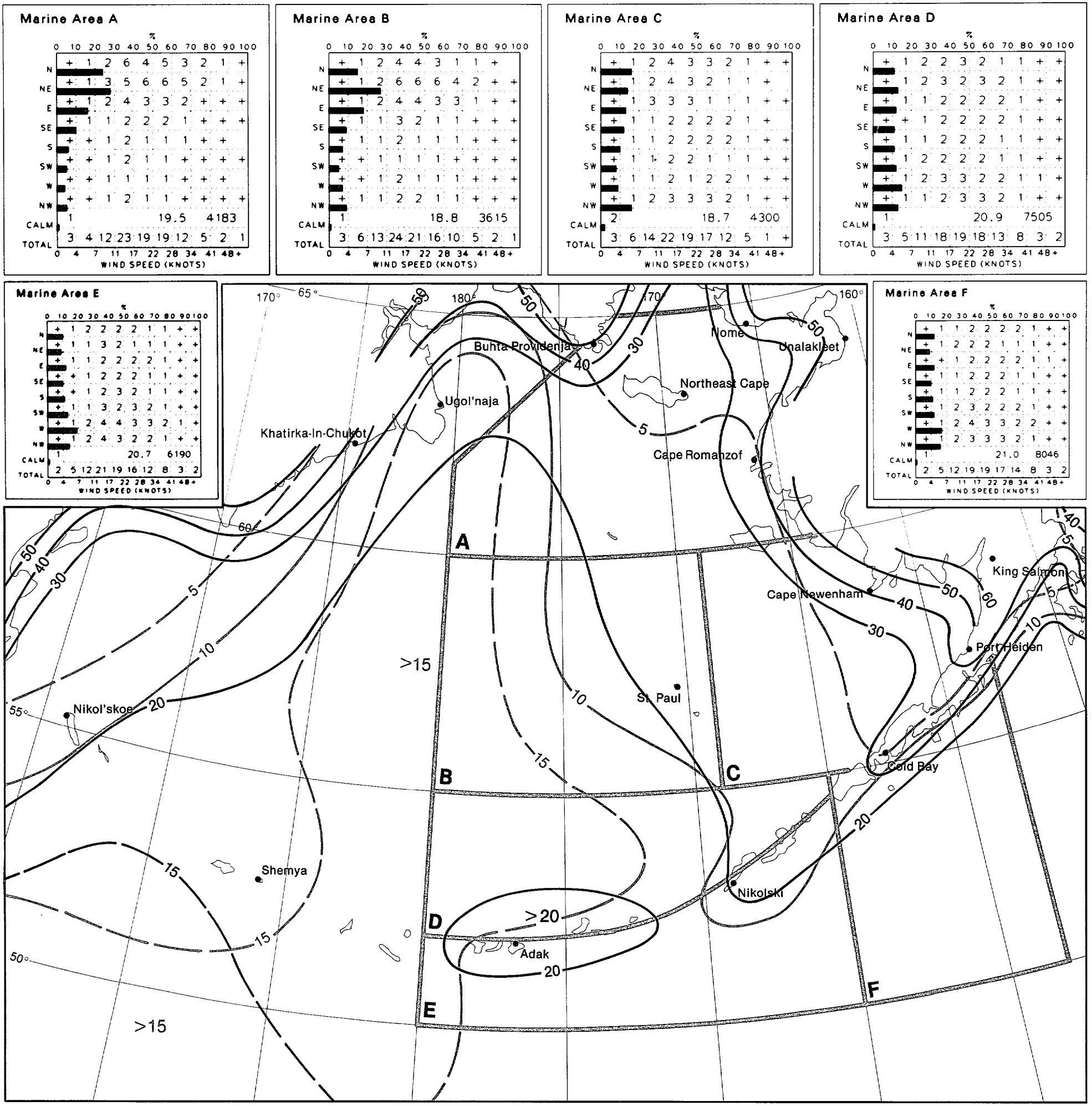



### Adak




### Shemya






**11 Wind Speed ≦10 and ≧34 Knots** **December**