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Ödsmål. Kville sn, Bohuslän

Hällristning
Fiskare från
bronsåldern

Rock carving
Bronze age
fishermen



**MEDDELANDE från
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nr
157

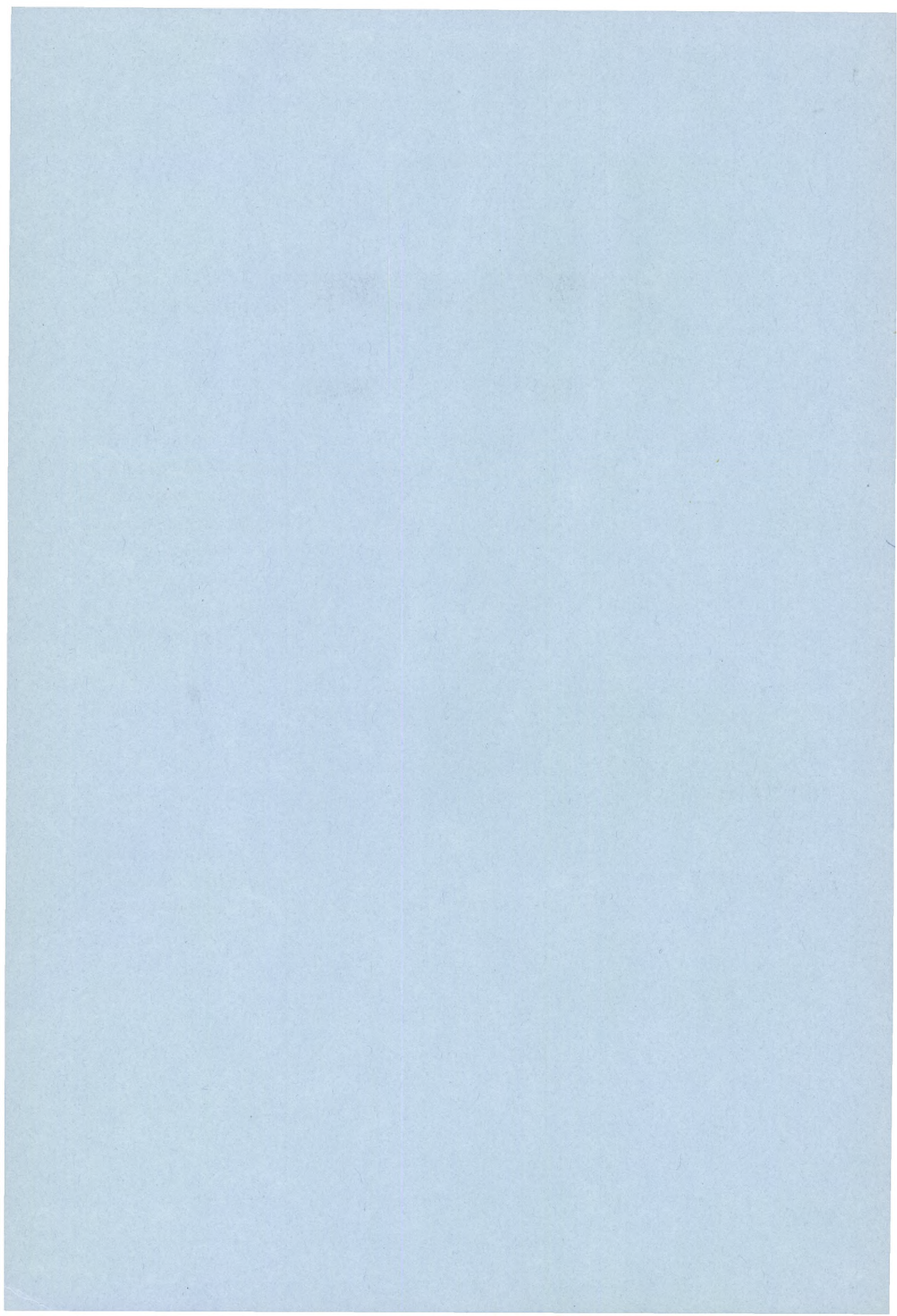
Hydrografiska avdelningen, Göteborg.

A New Computation of the Volume of the Baltic
and its Different Parts.

by

Hans Dahlin

November 1973



A New Computation of the Volume of the
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In mathematical models and in calculations of mean values and total amounts of different parameters there is a need for detailed volume estimations.

An earlier computation of the volume of the Baltic has been made by Witting (1918), where he for the Gulf of Bothnia is referring to his own work, Witting (1908). In the Gulf of Bothnia he has not only computed the total volume but also the volume of different depth intervals. Renquist (1930) has used the same method of calculation as Witting on the Bay of Bothnia to get comparable results in order to investigate what influence better soundings have on the volume. The volumes of different basins of the Baltic proper have been computed by Kullenberg (1968) and Fonselius (1969). The present paper aims to give more accurate figures and a more detailed information on the volume of the Baltic.

Working method.

The depth distribution was taken from the work by B. Olsson (1971). The Baltic has there been subdivided into 41 sections with boundaries almost perpendicular to and equidistant along its centerline, figures 2, 4-6. For each section and every three fathoms of depth the area was calculated and approximated to a circle. The areas and the radii of these circles were then used in the formula for the volume of the frustrum of a cone.

$$V_n = \frac{h}{3} (A_{n-1} + \pi r_{n-1} r_n + A_n)$$

A_n is the bottom area, A_{n-1} is the top area.

V_n is the volume between A_n and A_{n-1} .

r_n is the radius of the bottom, r_{n-1} is the radius of the top.

$n = 0, 1, \dots, N$. h is the altitude.

In this case h is a constant = 3 fathoms ($3 \cdot 1.8288 \text{ m}$) and
 $n = \text{depth in fathoms}/3$.

Each section did in this way become a pile of frustrums of a cone, figure 1, where the volume were known. After summation the volume of the section then was obtained.

A computer program was written and input to the computer was the different values of A_n , which were calculated from Olsson's statistical studie of the depth distribution.

Results.

In the computation the major parts of the Baltic were regarded. Thus the Gulf of Bothnia, the Gulf of Finland, the Baltic proper, the Gulf of Riga and the whole Baltic have been dealt with separately. Each part was approximated and computed in the same way as the 41 smaller sections. As a result of the approximations there was a difference between these larger volumes and the corresponding sums of the sections. The errors were noticed in the fourth figures of the volumes. The boundary between the Gulf of Bothnia and the Baltic proper has in this case been placed along latitude N 60° , between the Gulf of Finland and the Baltic proper along the line between the two light-houses Russarö and Osmussaar and the boundary to the Gulf of Riga along the line between the light-houses Sörve and Mikelbaka.

The volumes of the main basins in the Baltic proper; the Arkona basin, the Bornholm basin, the Central basin, and the parts of the Gulf of Bothnian Bay, the North Kvark, the Bothnian Sea, the Åland Sea and the Archipelago Sea, have been evaluated from the tabulated results of the volume computation.

Part of the Baltic	Area km ²	Volume km ³
The Baltic	376 000	21 030
The Gulf of Bothnia	118 760	6 450
the Bothnian Bay (sec. B1-B5)	34 230	1 390
the North Kvark (sec. B6)	5 450	75
the Bothnian Sea (sec. B7-B12)	63 380	4 240
the Åland Sea and the Archipelago Sea (sec. B13 and part of BP1, figure 3)	15 700	745
The Gulf of Finland (sec. F1-F7)	30 350	1 070
The Gulf of Riga (sec. R1, R2)	13 930	320
The Baltic proper (part of BP1 and BP2-BP19)	213 000	13 190
the Arkona Basin (below 30 m)		70
the Bornholm Basin (below 60 m)		200
the Central Basin (below 60 m)		3 510
(below 100 m)		1 760
(below 150 m)		500
The Baltic proper, the Gulf of Finland and the Gulf of Riga (0-60)		10 870
(below 60)		3 710
(totally)		14 580

Discussion

The present computation has in general given lower values of the volumes than earlier works. This may depend on the different working methods. Witting used a field method where the mean depth of each square in a grid was estimated and multiplied by the area of the squares. By adding the volumes of these boxes the total volume was obtained. Also Olsson has used a field method but with much smaller squares in the grid and he has referred the squares or parts of them to depth classes comprising 3 fathoms. The careful depth study together with a more natural volume calculation are probably the main reason for the discrepancies between the present computation and Wittings computation. However, volumes of the basins in the Baltic proper correspond very well with values obtained by Kullenberg (1968). It has been mentioned that more correct soundings

would give better volume estimations, but H. Renqvist (1930) has shown that a much more abundant sounding material did not give any noteworthy changes in the volumes. Sjöberg et al. (1972) have made a computation of the volume of the Baltic proper using Olsson's values for the bottomtopography, but a check shows that the volume is 20 % too large probably due to a computing error.

Data.

The data are tabulated for each depth interval and with every section separately. In the tables the depth interval is given in both meters and fathoms. The radius of the approximated circle, $R(N)$, and the area, $A(N)$, is given for the deepest value of the interval. The last column is the volume of the interval, $V(N)$, and it ends with a summation of the whole section. The unit for $R(N)$, $A(N)$ and $V(N)$ are km, km^2 and km^3 respectively.

The tables begin with the Gulf of Bothnia, GB 1 - 13, then come the Baltic proper, BP 1 - 19, the Gulf of Finland, GF 1 - 7, the Gulf of Riga, GR 1 - 2, the Gulf of Bothnia totally, the Baltic proper totally, the Gulf of Finland totally, the Gulf of Riga totally and end with the Baltic totally.

Dataprogram in algol-launguage is shown on page 12.

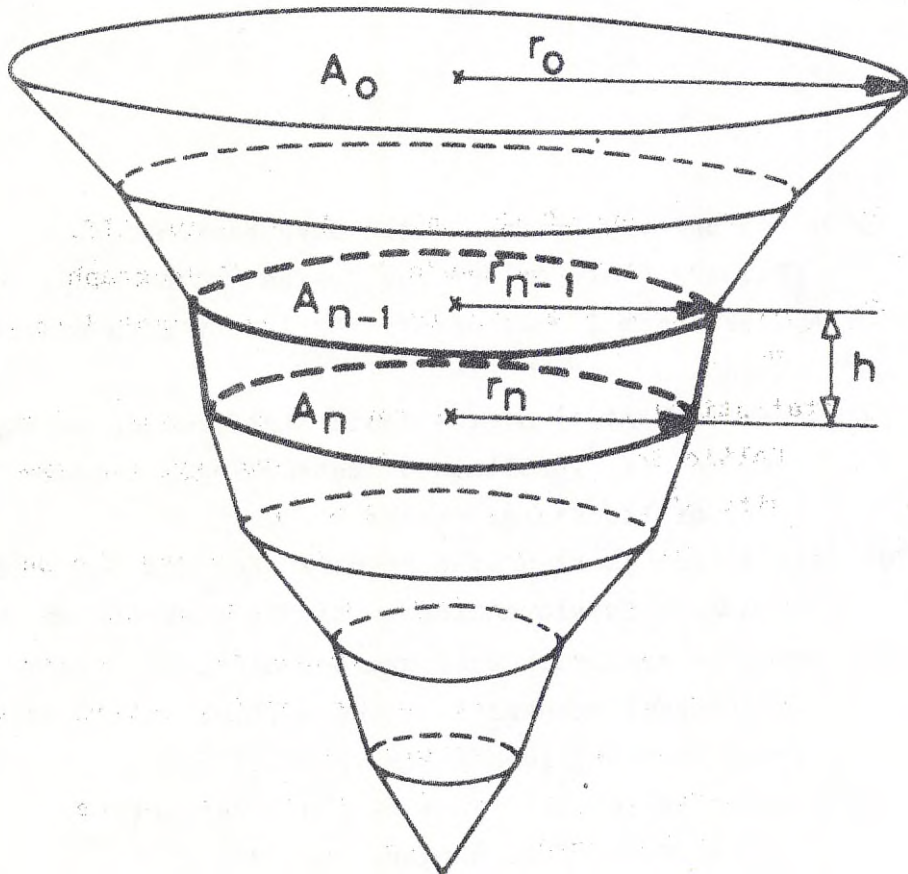
Acknowledgements.

Thanks are due to Dr. S.H. Fonselius and Fil.lic. B. Olsson for valuable discussions and to Mr. J. Johansson and Mr. J. Szaron for their assistance with the computer program. The work has been supported with grants from Statens Naturvårdsverk which is gratefully acknowledged.

References.

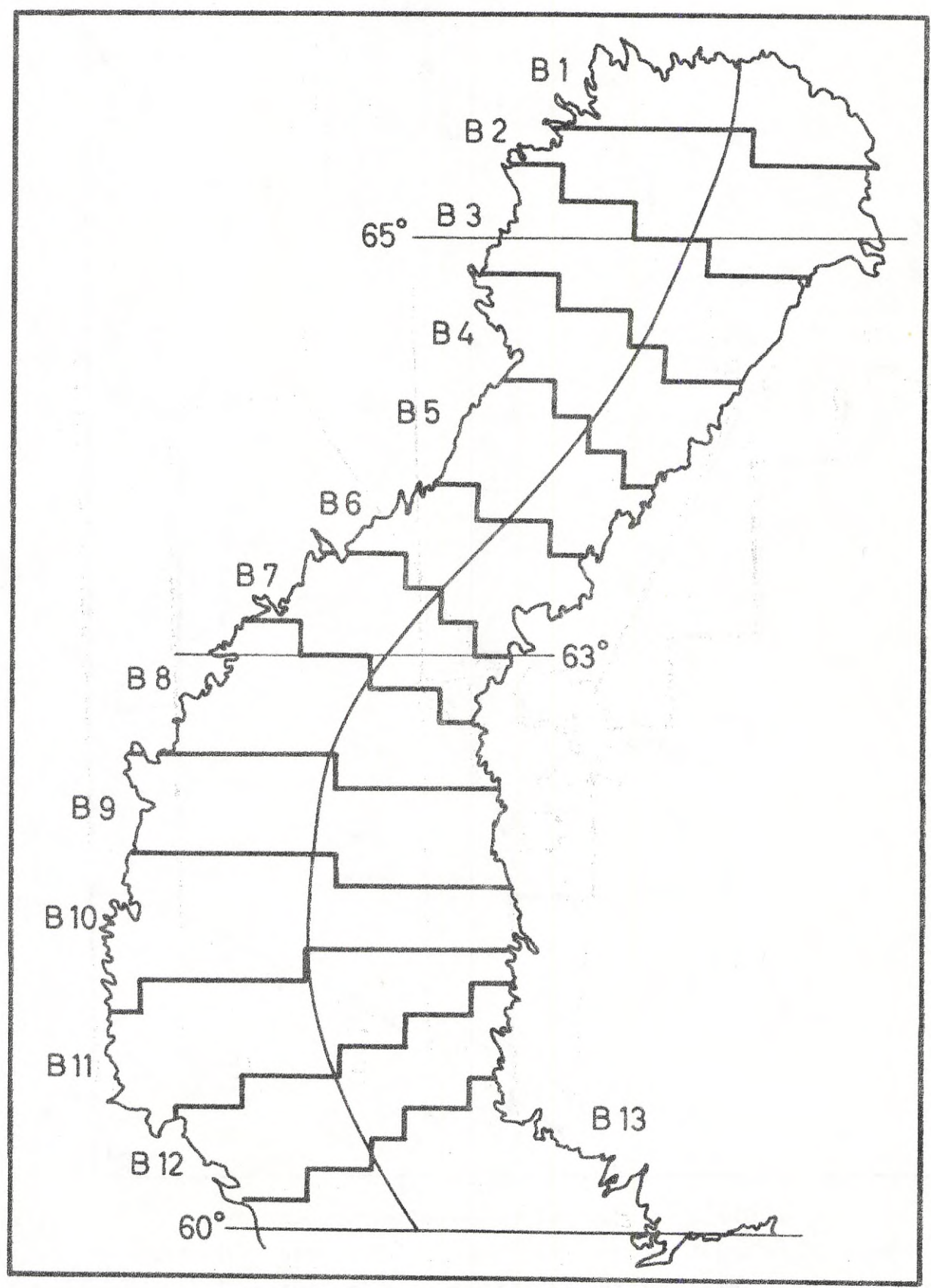
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Fig. 1.



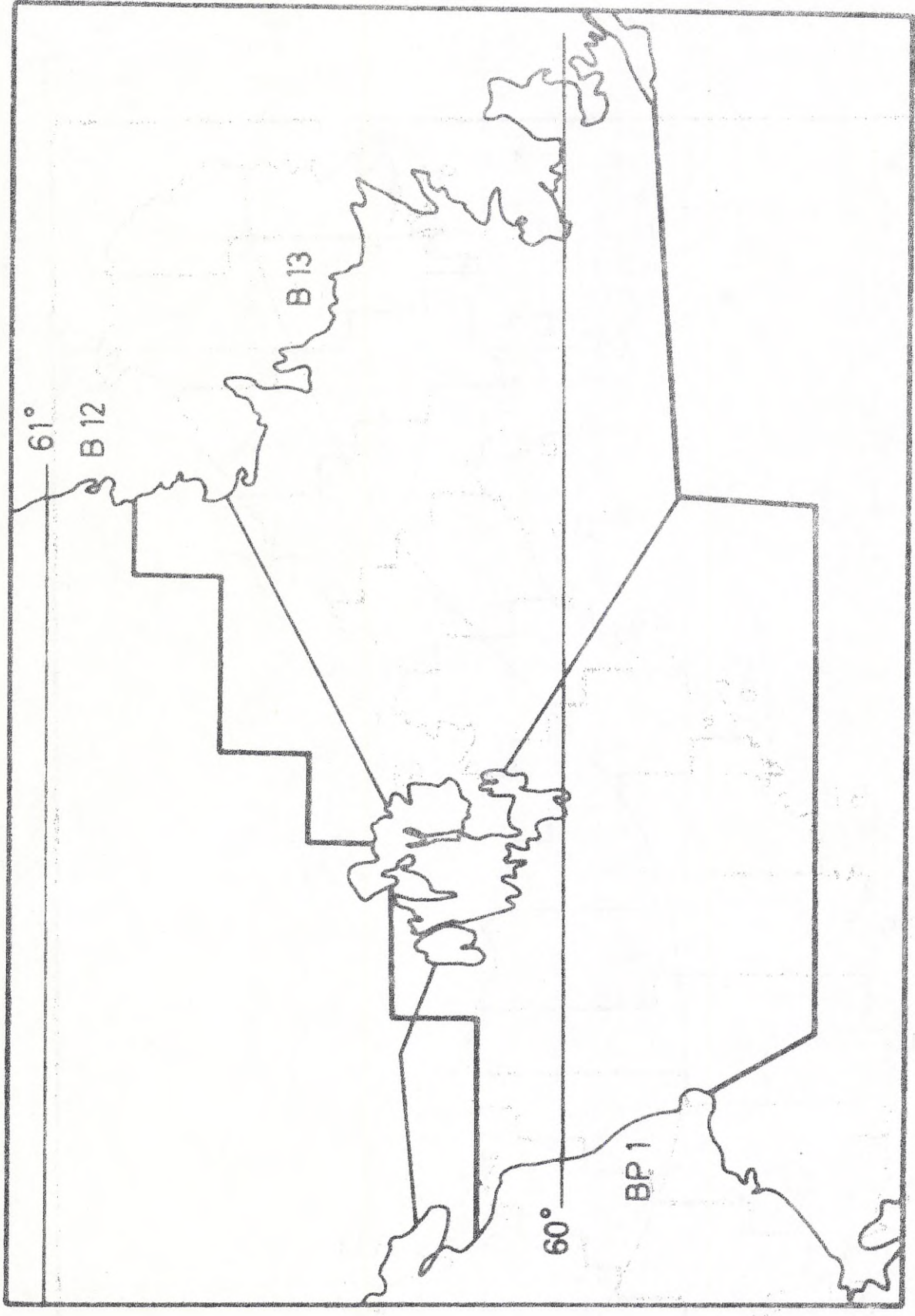
A pile of frustrums of a cone representing the volume of one of the 41 sections of the Baltic.

Fig. 2



The positions of sections in the Gulf of Bothnia.

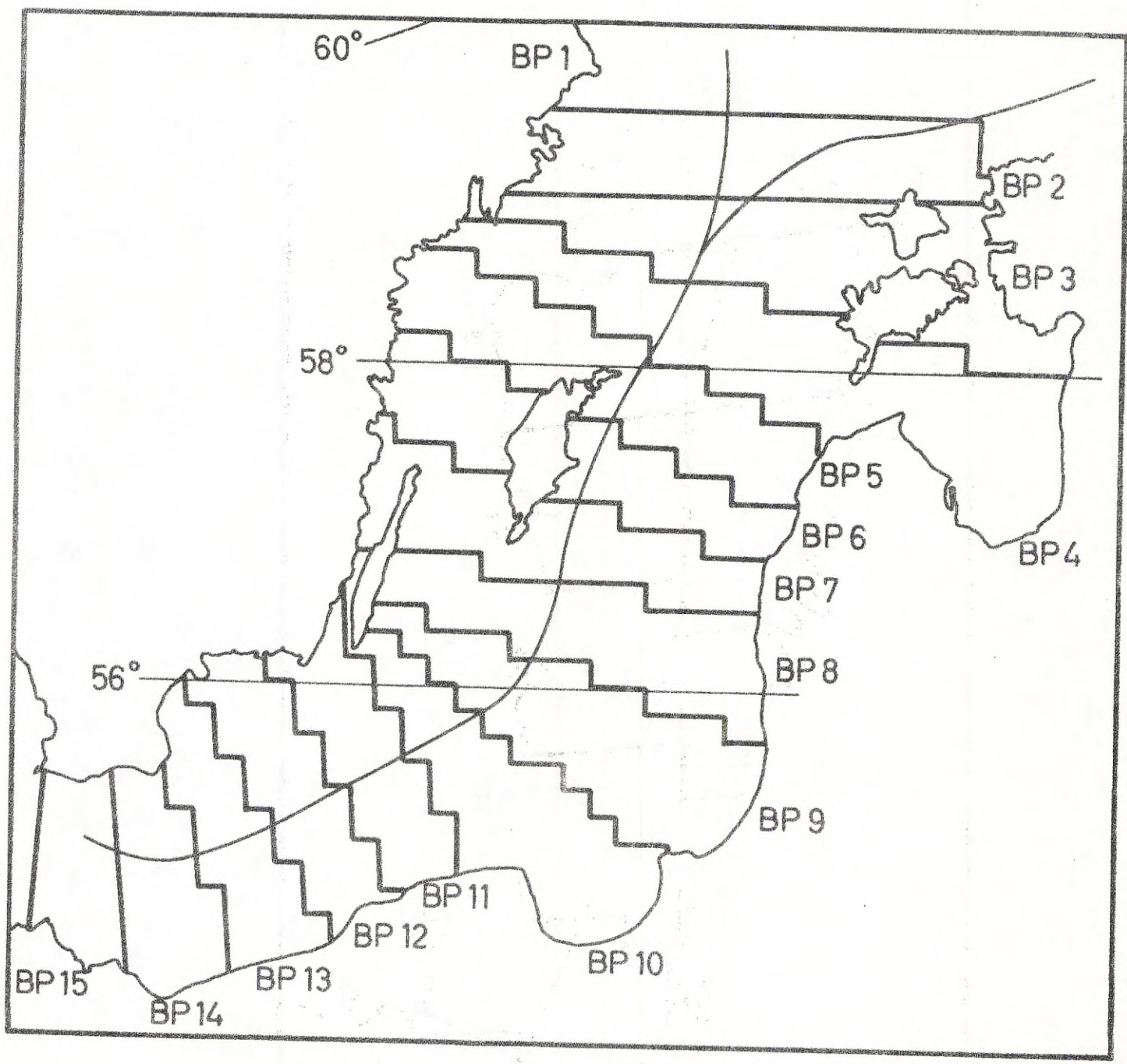
Fig. 3.



The Åland Sea and the Archipelago Sea.

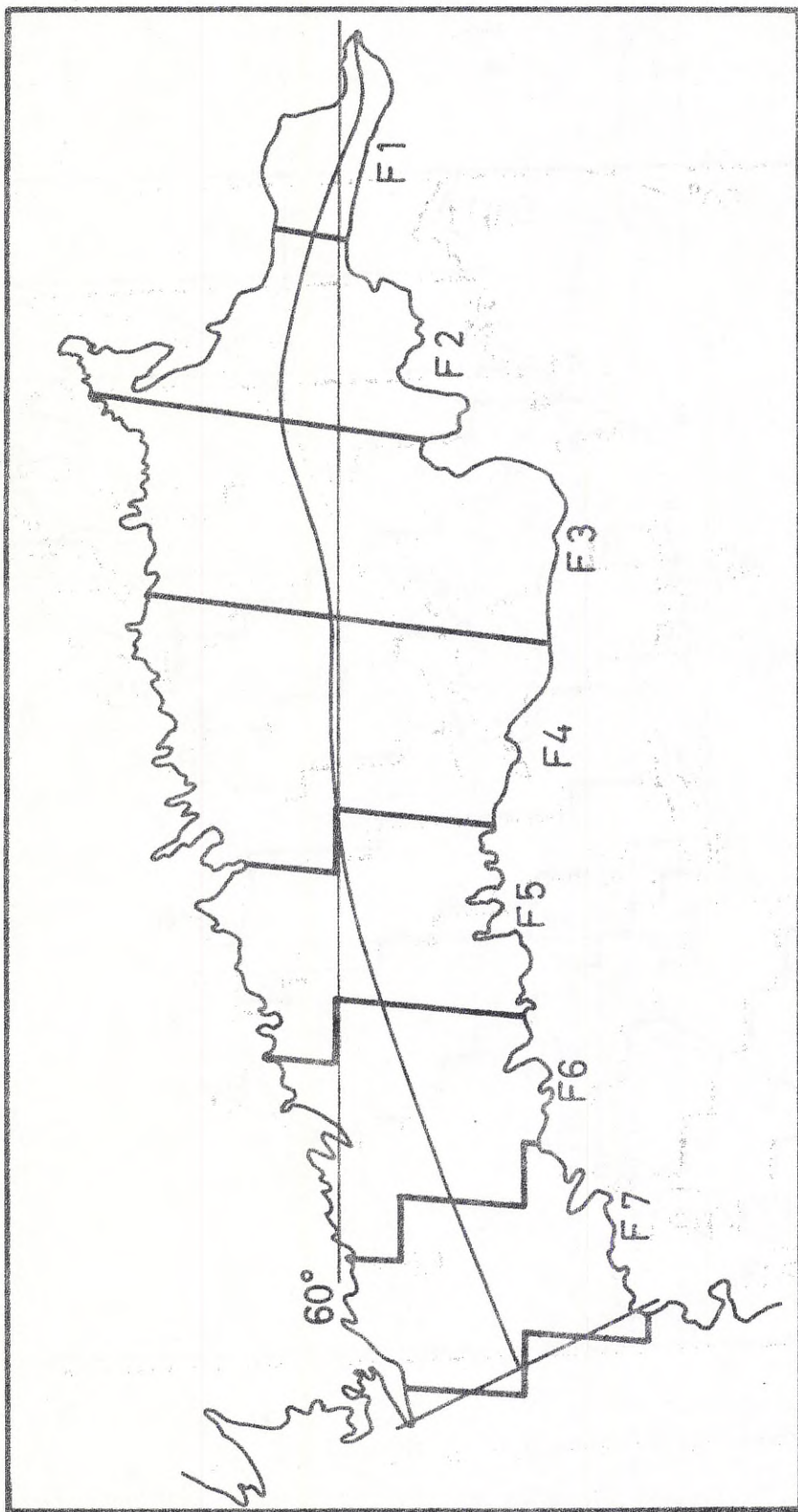
The coarse lines are the boundaries used in the present volume estimation. The fine lines are the boundaries used by Witting (1908), which are almost the same as used by Wattenberg (1949).

Fig. 4



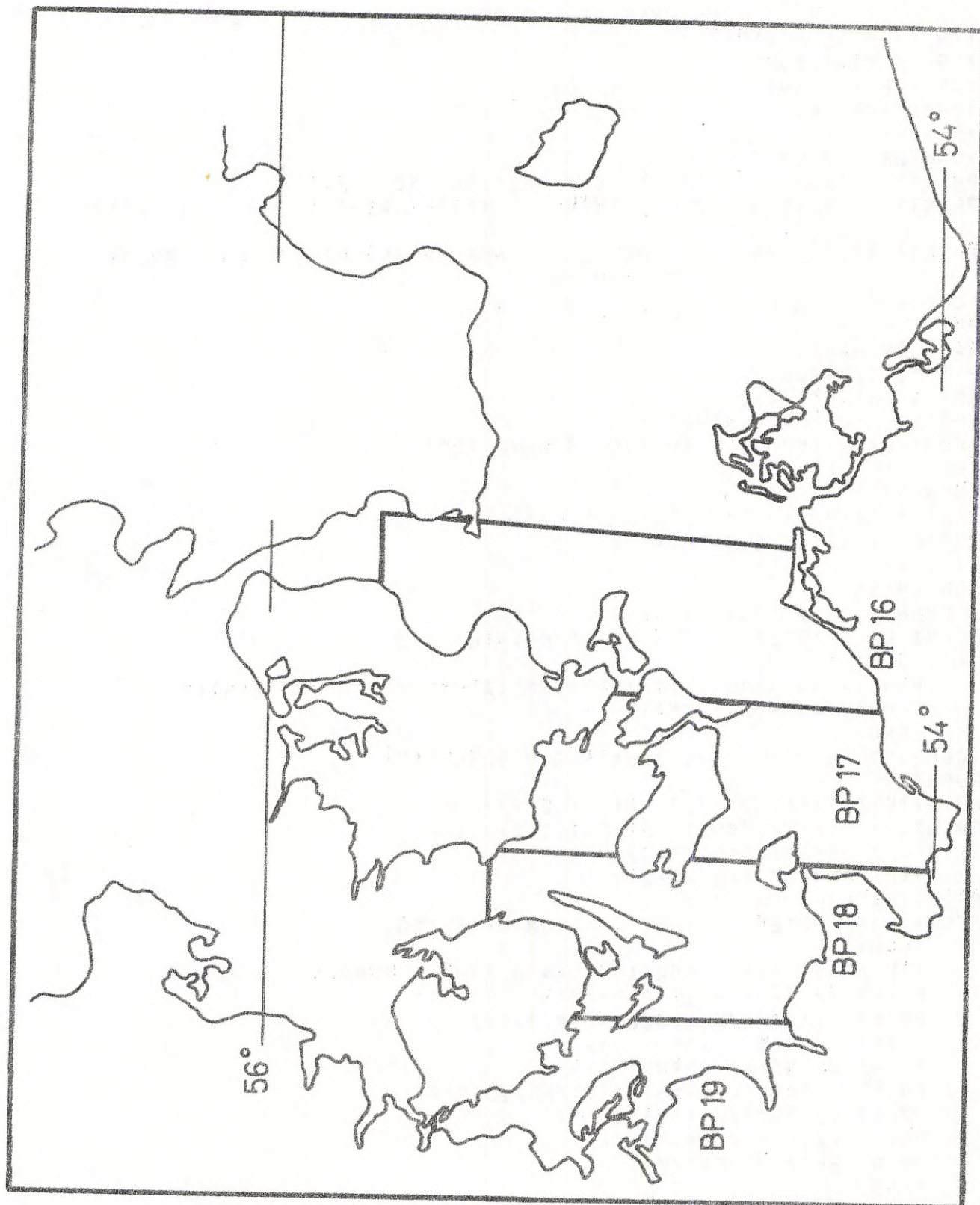
The positions of sections in the Baltic proper.

Fig. 5



The positions of sections in the Gulf of Finland.

Fig. 6



The positions of sections in the water between Sweden, Denmark and Germany.

Data program.

```

'BEGIN' 'COMMENT' SVANSSON 379065;
          VOLUMES BALTIC SEA;
'INTEGER' L,N,STORTL;
'REAL' PI,K,SUMMAV;
'INTEGER' 'ARRAY' STORTN(1150);
'PRO' 'RUBRIK';
'BEGIN'
'COMMENT' ÖVERSKRIFT;
PRINTTEXT(//'12' '3CR' '15SP' SECTION '3CR'//);
PRINTTEXT(//'15SP' DEPTH-INTERVAL '13SP' R(N) '6SP' A(N) '10SP'
          V(N) 'CR'//);
PRINTTEXT(//'12SP' METERS '8SP' FATHOMS '10SP' KM '6SP' SQ,KM
          '9SP' CU,KM '2CR'//);
'END';
PRINTEROPEN(0);
K:=1.8288E-3;
PI:=3.14159265;
GETINT(STORTL,1);
GETINT(STORTN(1),STORTL);
'FOR' L:=1 'STEP' 1 'UNTIL' STORTL 'DO'
'BEGIN'
'BEGIN'
'REAL' 'ARRAY' A,V(0:STORTN(L));
GETREAL(A(0),STORTN(L)+1);
V(0):=0;
SUMMAV:=0;
'COMMENT' HUVUDEKVATIONEN;
'FOR' N:=1 'STEP' 1 'UNTIL' STORTN(L) 'DO'
  'BEGIN'
    V(N):= K+(A(N-1)+A(N)+PI*SQRT(A(N-1)/PI)*SQRT(A(N)/PI));
    SUMMAV:=SUMMAV+V(N);
  'END';
'COMMENT' UTSKRIFT AV INDATA OCH RESULTAT;
'RUBRIK';
PRINTTEXT(//'18SP' 0,0 '11SP' 0 //);
PRINT(//'6SP'//,SQRT(A(0)/PI),3,2);
PRINT(//'3SP'//,A(0),6,0);
PRINT(//'5SP'//,V(0),5,2);
PRINTTEXT(//'2CR'//);
'FOR' N:=1 'STEP' 1 'UNTIL' STORTN(L) 'DO'
  'BEGIN'
    'IF' N=26 'OR' N=52 'OR' N=78 'THEN' 'RUBRIK';
    PRINT(//'7SP'//,1.8288*(3*N-3),3,1);
    PRINT(//'1SP'//,1.8288*3*N,3,1);
    PRINT(//'2SP'//,3*N-3,3,0);
    PRINT(//'1SP'//,3*N,3,0);
    PRINT(//'6SP'//,SQRT(A(N)/PI),3,2);
    PRINT(//'3SP'//,A(N),6,0);
    PRINT(//'5SP'//,V(N),5,2);
    PRINTTEXT(//'2CR'//);
  'END';
PRINT(//'2CR' '51SP' SUM 'SP' V(N) 'SP'//,SUMMAV,5,2);
PRINTTEXT(//'CR'//);
'END' 'NRG BLOCK';
'END' L;
PRINTTEXT(//'12' '5CR' END 'SP' VOLYMBERKKNING 'CR'//);
CLOSEPRINTER;
'END';

```

SECTION

CB 1

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		37.96	4527	.00
0.0 - 5.5	0 - 3		29.55	2744	19.74
5.5 - 11.0	3 - 6		24.50	1886	12.63
11.0 - 16.5	6 - 9		19.83	1235	8.50
16.5 - 21.9	9 - 12		18.70	1098	6.40
21.9 - 27.4	12 - 15		16.85	892	5.45
27.4 - 32.9	15 - 18		14.41	652	4.22
32.9 - 38.4	18 - 21		13.62	583	3.39
38.4 - 43.9	21 - 24		12.36	480	2.91
43.9 - 49.4	24 - 27		11.45	412	2.44
49.4 - 54.9	27 - 30		10.45	343	2.07
54.9 - 60.4	30 - 33		8.74	240	1.59
60.4 - 65.8	33 - 36		7.38	171	1.12
65.8 - 71.3	36 - 39		6.60	137	.84
71.3 - 76.8	39 - 42		4.69	69	.55
76.8 - 82.3	42 - 45		3.29	34	.28
82.3 - 87.8	45 - 48		.00	0	.06

SUM V(N) = 72.19

SECTION

GB 2

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ, KM	CU, KM
0.0	0		49.34	7649	.00
0.0 - 5.5	0 - 3		45.06	6380	38.43
5.5 - 11.0	3 - 6		41.27	5350	32.14
11.0 - 16.5	6 - 9		38.96	4768	27.74
16.5 - 21.9	9 - 12		32.54	3327	22.09
21.9 - 27.4	12 - 15		28.99	2641	16.34
27.4 - 32.9	15 - 18		24.95	1955	12.56
32.9 - 38.4	18 - 21		22.89	1646	9.87
38.4 - 43.9	21 - 24		22.41	1578	8.84
43.9 - 49.4	24 - 27		21.42	1441	8.28
49.4 - 54.9	27 - 30		20.90	1372	7.72
54.9 - 60.4	30 - 33		20.10	1269	7.24
60.4 - 65.8	33 - 36		19.27	1166	6.68
65.8 - 71.3	36 - 39		18.70	1098	6.21
71.3 - 76.8	39 - 42		13.62	583	4.54
76.8 - 82.3	42 - 45		12.36	480	2.91
82.3 - 87.8	45 - 48		10.95	377	2.35
87.8 - 93.3	48 - 51		8.74	240	1.68
93.3 - 98.8	51 - 54		6.60	137	1.02
98.8 - 104.2	54 - 57		4.69	69	.55
104.2 - 109.7	57 - 60		.00	0	.13

SUM V(N) = 217.30

SECTION GB 3

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ.KM	CU.KM
0.0	0	57.70	10461	.00
.0 - 5.5	0 - 3	54.39	9295	54.16
5.5 - 11.0	3 - 6	51.40	8300	48.24
11.0 - 16.5	6 - 9	48.22	7306	42.78
16.5 - 21.9	9 - 12	43.08	5830	35.96
21.9 - 27.4	12 - 15	40.47	5145	30.09
27.4 - 32.9	15 - 18	38.11	4562	26.61
32.9 - 38.4	18 - 21	37.67	4459	24.75
38.4 - 43.9	21 - 24	37.38	4390	24.27
43.9 - 49.4	24 - 27	37.09	4322	23.90
49.4 - 54.9	27 - 30	36.49	4184	23.33
54.9 - 60.4	30 - 33	36.20	4116	22.77
60.4 - 65.8	33 - 36	34.02	3636	21.25
65.8 - 71.3	36 - 39	31.35	3087	18.42
71.3 - 76.8	39 - 42	28.99	2641	15.70
76.8 - 82.3	42 - 45	26.23	2161	13.15
82.3 - 87.8	45 - 48	21.16	1406	9.71
87.8 - 93.3	48 - 51	20.64	1338	7.53
93.3 - 98.8	51 - 54	20.10	1269	7.15
98.8 - 104.2	54 - 57	16.52	857	5.80
104.2 - 109.7	57 - 60	12.79	514	3.72
109.7 - 115.2	60 - 63	10.95	377	2.43
115.2 - 120.7	63 - 66	9.34	274	1.78
120.7 - 126.2	66 - 69	8.10	206	1.31
126.2 - 131.7	69 - 72	6.60	137	.93
131.7 - 137.2	72 - 75	5.73	103	.66

SECTION GB : CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78		3.29	34	.36
142.6 - 148.1	78 - 81		.00	0	.06

SUM V(N)= 466.83

SECTION

GB 4

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			44.33	6174	.00
0.0 - 5.5	0 - 3			42.31	5625	32.36
5.5 - 11.0	3 - 6			40.74	5213	29.72
11.0 - 16.5	6 - 9			39.10	4802	27.47
16.5 - 21.9	9 - 12			38.53	4665	25.97
21.9 - 27.4	12 - 15			37.09	4322	24.65
27.4 - 32.9	15 - 18			35.59	3979	22.76
32.9 - 38.4	18 - 21			34.65	3772	21.26
38.4 - 43.9	21 - 24			34.34	3704	20.51
43.9 - 49.4	24 - 27			33.04	3430	19.57
49.4 - 54.9	27 - 30			32.71	3361	18.63
54.9 - 60.4	30 - 33			31.52	3121	17.78
60.4 - 65.8	33 - 36			29.92	2813	16.27
65.8 - 71.3	36 - 39			28.61	2572	14.77
71.3 - 76.8	39 - 42			26.43	2195	13.06
76.8 - 82.3	42 - 45			24.28	1852	11.09
82.3 - 87.8	45 - 48			23.13	1681	9.69
87.8 - 93.3	48 - 51			20.90	1372	8.36
93.3 - 98.8	51 - 54			16.85	892	6.16
98.8 - 104.2	54 - 57			15.85	789	4.61
104.2 - 109.7	57 - 60			14.41	652	3.95
109.7 - 115.2	60 - 63			8.74	240	2.35
115.2 - 120.7	63 - 66			5.73	103	.91
120.7 - 126.2	66 - 69			.00	0	.19

SUM V(N) = 352.08

SECTION GB 5

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	41.52	5415	.00
0.0 -- 5.5	0 -- 3	40.87	5248	29.25
5.5 -- 11.0	3 -- 6	39.93	5008	28.13
11.0 -- 16.5	6 -- 9	39.65	4939	27.29
16.5 -- 21.9	9 -- 12	37.82	4493	25.86
21.9 -- 27.4	12 -- 15	36.49	4184	23.80
27.4 -- 32.9	15 -- 18	34.66	3773	21.82
32.9 -- 38.4	18 -- 21	33.37	3498	19.94
38.4 -- 43.9	21 -- 24	29.37	2710	16.98
43.9 -- 49.4	24 -- 27	28.42	2538	14.39
49.4 -- 54.9	27 -- 30	28.01	2464	13.72
54.9 -- 60.4	30 -- 33	25.81	2092	12.48
60.4 -- 65.8	33 -- 36	24.73	1921	11.01
65.8 -- 71.3	36 -- 39	22.16	1543	9.48
71.3 -- 76.8	39 -- 42	20.64	1338	7.90
76.8 -- 82.3	42 -- 45	18.10	1029	6.47
82.3 -- 87.8	45 -- 48	14.78	686	4.67
87.8 -- 93.3	48 -- 51	13.22	549	3.38
93.3 -- 98.8	51 -- 54	10.95	377	2.53
98.8 -- 104.2	54 -- 57	9.34	274	1.78
104.2 -- 109.7	57 -- 60	5.73	103	1.00
109.7 -- 115.2	60 -- 63	.00	0	.19

SUM V(N)= 282.07

SECTION GB 6

DEPTH-INTERVAL		FATHOMS		R(N)	A(N)	V(N)
METERS				KM	SQ. KM	CU. KM
0.0		0		41.67	5454	.00
0.0	5.5	0	3	32.03	3224	23.54
5.5	11.0	3	6	28.23	2504	15.67
11.0	16.5	6	9	24.73	1921	12.10
16.5	21.9	9	12	19.83	1235	8.59
21.9	27.4	12	15	18.10	1029	6.20
27.4	32.9	15	18	13.22	549	4.26
32.9	38.4	18	21	8.74	240	2.11
38.4	43.9	21	24	7.38	171	1.12
43.9	49.4	24	27	6.60	137	.84
49.4	54.9	27	30	5.73	103	.66
54.9	60.4	30	33	3.29	34	.36
60.4	65.8	33	36	.00	0	.06

SUM V(N)= 75.51

SECTION GB 7

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	43.33	5899	.00
0.0 -- 5.5	0 -- 3	39.10	4802	29.30
5.5 -- 11.0	3 -- 6	36.65	4219	24.73
11.0 -- 16.5	6 -- 9	35.43	3944	22.39
16.5 -- 21.9	9 -- 12	33.86	3601	20.69
21.9 -- 27.4	12 -- 15	32.54	3327	19.00
27.4 -- 32.9	15 -- 18	31.35	3087	17.59
32.9 -- 38.4	18 -- 21	30.82	2984	16.65
38.4 -- 43.9	21 -- 24	30.28	2881	16.09
43.9 -- 49.4	24 -- 27	29.74	2778	15.52
49.4 -- 54.9	27 -- 30	28.81	2607	14.77
54.9 -- 60.4	30 -- 33	28.42	2538	14.11
60.4 -- 65.8	33 -- 36	26.84	2264	13.17
65.8 -- 71.3	36 -- 39	25.38	2024	11.76
71.3 -- 76.8	39 -- 42	24.28	1852	10.63
76.8 -- 82.3	42 -- 45	22.16	1543	9.30
82.3 -- 87.8	45 -- 48	21.42	1441	8.18
87.8 -- 93.3	48 -- 51	20.10	1269	7.43
93.3 -- 98.8	51 -- 54	19.27	1166	6.68
98.8 -- 104.2	54 -- 57	16.52	857	5.53
104.2 -- 109.7	57 -- 60	16.19	823	4.61
109.7 -- 115.2	60 -- 63	15.85	789	4.42
115.2 -- 120.7	63 -- 66	14.41	652	3.95
120.7 -- 126.2	66 -- 69	13.22	549	3.29
126.2 -- 131.7	69 -- 72	11.51	416	2.64
131.7 -- 137.2	72 -- 75	10.45	343	2.08

SECTION GB 7 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78	9.34	274	1.69
142.6 - 148.1	78 - 81	7.38	171	1.21
148.1 - 153.6	81 - 84	6.60	137	.84
153.6 - 159.1	84 - 87	4.69	69	.55
159.1 - 164.6	87 - 90	3.29	34	.28
164.6 - 170.1	90 - 93	.00	0	.06

SUM V(N) = 309.14

SECTION CB 8

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	54.79	9432	.00
0.0 - 5.5	0 - 3	54.09	9192	51.09
5.5 - 11.0	3 - 6	53.48	8986	49.86
11.0 - 16.5	6 - 9	53.17	8883	49.02
16.5 - 21.9	9 - 12	52.35	8609	47.98
21.9 - 27.4	12 - 15	51.61	8369	46.57
27.4 - 32.9	15 - 18	51.19	8232	45.54
32.9 - 38.4	18 - 21	50.11	7889	44.22
38.4 - 43.9	21 - 24	49.89	7820	43.09
43.9 - 49.4	24 - 27	49.45	7683	42.53
49.4 - 54.9	27 - 30	49.12	7580	41.87
54.9 - 60.4	30 - 33	48.00	7237	40.64
60.4 - 65.8	33 - 36	47.31	7031	39.14
65.8 - 71.3	36 - 39	46.14	6688	37.63
71.3 - 76.8	39 - 42	44.94	6345	35.75
76.8 - 82.3	42 - 45	44.82	6311	34.72
82.3 - 87.8	45 - 48	44.57	6242	34.44
87.8 - 93.3	48 - 51	44.08	6105	33.87
93.3 - 98.8	51 - 54	42.70	5728	32.45
98.8 - 104.2	54 - 57	41.14	5316	30.29
104.2 - 109.7	57 - 60	38.53	4665	27.36
109.7 - 115.2	60 - 63	36.35	4150	24.17
115.2 - 120.7	63 - 66	34.18	3670	21.44
120.7 - 126.2	66 - 69	33.37	3498	19.66
126.2 - 131.7	69 - 72	31.87	3190	18.34
131.7 - 137.2	72 - 75	30.28	2881	16.65

SECTION GB & CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 -- 142.6	75 -- 78	27.45	2367	14.37
142.6 -- 148.1	78 -- 81	26.64	2229	12.61
148.1 -- 153.6	81 -- 84	26.23	2161	12.04
153.6 -- 159.1	84 -- 87	25.81	2092	11.67
159.1 -- 164.6	87 -- 90	24.95	1955	11.10
164.6 -- 170.1	90 -- 93	23.59	1749	10.16
170.1 -- 175.6	93 -- 96	21.92	1509	8.93
175.6 -- 181.1	96 -- 99	20.64	1338	7.81
181.1 -- 186.5	99 -- 102	20.10	1269	7.15
186.5 -- 192.0	102 -- 105	18.39	1063	6.39
192.0 -- 197.5	105 -- 108	17.48	960	5.55
197.5 -- 203.0	108 -- 111	16.85	892	5.08
203.0 -- 208.5	111 -- 114	16.19	823	4.70
208.5 -- 214.0	114 -- 117	14.78	686	4.13
214.0 -- 219.5	117 -- 120	14.01	617	3.57
219.5 -- 224.9	120 -- 123	12.79	514	3.10
224.9 -- 230.4	123 -- 126	11.45	412	2.54
230.4 -- 235.9	126 -- 129	10.45	343	2.07
235.9 -- 241.4	129 -- 132	10.45	343	1.88
241.4 -- 246.9	132 -- 135	10.45	343	1.88
246.9 -- 252.4	135 -- 138	9.34	274	1.69
252.4 -- 257.9	138 -- 141	9.34	274	1.50
257.9 -- 263.3	141 -- 144	9.34	274	1.50
263.3 -- 268.8	144 -- 147	7.38	171	1.21
268.8 -- 274.3	147 -- 150	7.38	171	.94
274.3 -- 279.8	150 -- 153	7.38	171	.94

SECTION GB 8 CONT

DEPTH-INTERVAL METERS	FATHOMS	R(N) KM	A(N) SQ. KM	V(N) CU. KM
279.8 - 285.3	153 - 156	7.38	171	.94
285.3 - 290.8	156 - 159	.00	0	.31

SUM V(N)* 1054.06

SECTION

GB 9

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	58.83	10873	.00
0.0 - 5.5	0 - 3	57.52	10393	58.33
5.5 - 11.0	3 - 6	56.56	10050	56.08
11.0 - 16.5	6 - 9	55.88	9810	54.48
16.5 - 21.9	9 - 12	54.79	9432	52.78
21.9 - 27.4	12 - 15	54.49	9329	51.46
27.4 - 32.9	15 - 18	52.97	8815	49.77
32.9 - 38.4	18 - 21	52.56	8678	47.99
38.4 - 43.9	21 - 24	51.29	8266	46.48
43.9 - 49.4	24 - 27	50.97	8163	45.07
49.4 - 54.9	27 - 30	49.89	7820	43.84
54.9 - 60.4	30 - 33	48.90	7511	42.05
60.4 - 65.8	33 - 36	47.77	7168	40.26
65.8 - 71.3	36 - 39	46.02	6654	37.91
71.3 - 76.8	39 - 42	44.57	6242	35.37
76.8 - 82.3	42 - 45	43.84	6037	33.68
82.3 - 87.8	45 - 48	38.96	4768	29.57
87.8 - 93.3	48 - 51	33.70	3567	22.79
93.3 - 98.8	51 - 54	28.04	2470	16.47
98.8 - 104.2	54 - 57	25.59	2058	12.40
104.2 - 109.7	57 - 60	23.83	1784	10.53
109.7 - 115.2	60 - 63	21.92	1509	9.02
115.2 - 120.7	63 - 66	21.42	1441	8.09
120.7 - 126.2	66 - 69	19.27	1166	7.14
126.2 - 131.7	69 - 72	16.19	823	5.43
131.7 - 137.2	72 - 75	13.62	583	3.84

SECTION GB 3 CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78		8.10	206	2.08
142.6 - 148.1	78 - 81		5.73	103	.83
148.1 - 153.6	81 - 84		.00	0	.19
SUM V(N) =					823.92

SECTION

GB 10

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	67.96	14508	.00
0.0 -- 5.5	0 -- 3	66.25	13788	77.61
5.5 -- 11.0	3 -- 6	65.00	13274	74.23
11.0 -- 16.5	6 -- 9	64.07	12896	71.79
16.5 -- 21.9	9 -- 12	63.39	12622	70.00
21.9 -- 27.4	12 -- 15	62.78	12382	68.59
27.4 -- 32.9	15 -- 18	62.17	12142	67.27
32.9 -- 38.4	18 -- 21	59.66	11181	63.96
38.4 -- 43.9	21 -- 24	57.61	10427	59.26
43.9 -- 49.4	24 -- 27	54.89	9467	54.55
49.4 -- 54.9	27 -- 30	52.45	8643	49.66
54.9 -- 60.4	30 -- 33	48.56	7409	43.99
60.4 -- 65.8	33 -- 36	44.70	6277	37.50
65.8 -- 71.3	36 -- 39	42.31	5625	32.63
71.3 -- 76.8	39 -- 42	37.24	4356	27.31
76.8 -- 82.3	42 -- 45	35.28	3910	22.66
82.3 -- 87.8	45 -- 48	29.18	2675	17.96
87.8 -- 93.3	48 -- 51	25.59	2058	12.95
93.3 -- 98.8	51 -- 54	19.54	1200	8.83
98.8 -- 104.2	54 -- 57	7.38	171	3.34
104.2 -- 109.7	57 -- 60	.00	0	.31

SUM V(N) = 864.41

SECTION GB 11

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			63.13	12519	.00
0.0 - 5.5	0 - 3			60.93	11662	66.32
5.5 - 11.0	3 - 6			58.55	10770	61.52
11.0 - 16.5	6 - 9			57.80	10495	58.33
16.5 - 21.9	9 - 12			56.94	10187	56.73
21.9 - 27.4	12 - 15			56.37	9981	55.32
27.4 - 32.9	15 - 18			55.59	9707	54.01
32.9 - 38.4	18 - 21			53.38	8952	51.17
38.4 - 43.9	21 - 24			52.45	8643	48.26
43.9 - 49.4	24 - 27			50.22	7923	45.43
49.4 - 54.9	27 - 30			47.54	7100	41.19
54.9 - 60.4	30 - 33			45.43	6483	37.25
60.4 - 65.8	33 - 36			42.44	5659	33.28
65.8 - 71.3	36 - 39			41.53	5419	30.39
71.3 - 76.8	39 - 42			38.53	4665	27.64
76.8 - 82.3	42 - 45			37.82	4493	25.12
82.3 - 87.8	45 - 48			33.37	3498	21.86
87.8 - 93.3	48 - 51			30.82	2984	17.76
93.3 - 98.8	51 - 54			23.83	1784	12.94
98.8 - 104.2	54 - 57			22.16	1543	9.12
104.2 - 109.7	57 - 60			16.52	857	6.49
109.7 - 115.2	60 - 63			15.50	755	4.42
115.2 - 120.7	63 - 66			11.45	412	3.15
120.7 - 126.2	66 - 69			4.69	69	1.19
126.2 - 131.7	69 - 72			.00	0	.13

SUM V(N) = 769.03

SECTION

GB 12

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			56.85	10153	.00
0.0 - 5.5	0 - 3			52.87	8781	51.89
5.5 - 11.0	3 - 6			50.11	7889	45.71
11.0 - 16.5	6 - 9			47.88	7203	41.39
16.5 - 21.9	9 - 12			46.14	6688	38.10
21.9 - 27.4	12 - 15			44.33	6174	35.27
27.4 - 32.9	15 - 18			42.19	5591	32.26
32.9 - 38.4	18 - 21			39.37	4870	28.67
38.4 - 43.9	21 - 24			36.94	4287	25.10
43.9 - 49.4	24 - 27			35.89	4047	22.86
49.4 - 54.9	27 - 30			34.02	3636	21.07
54.9 - 60.4	30 - 33			27.84	2435	16.54
60.4 - 65.8	33 - 36			26.43	2195	12.70
65.8 - 71.3	36 - 39			24.28	1852	11.09
71.3 - 76.8	39 - 42			21.92	1509	9.20
76.8 - 82.3	42 - 45			18.70	1098	7.12
82.3 - 87.8	45 - 48			10.45	343	3.76
87.8 - 93.3	48 - 51			9.34	274	1.69
93.3 - 98.8	51 - 54			8.10	206	1.31
98.8 - 104.2	54 - 57			7.38	171	1.03
104.2 - 109.7	57 - 60			6.60	137	.84
109.7 - 115.2	60 - 63			5.73	103	.66
115.2 - 120.7	63 - 66			4.69	69	.47
120.7 - 126.2	66 - 69			4.69	69	.38
126.2 - 131.7	69 - 72			4.69	69	.38
131.7 - 137.2	72 - 75			4.69	69	.38

SECTION GB 12 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78	4.69	69	.38
142.6 - 148.1	78 - 81	4.69	69	.38
148.1 - 153.6	81 - 84	4.69	69	.38
153.6 - 159.1	84 - 87	4.69	69	.38
159.1 - 164.6	87 - 90	4.69	69	.38
164.6 - 170.1	90 - 93	4.69	69	.38
170.1 - 175.6	93 - 96	4.69	69	.38
175.6 - 181.1	96 - 99	4.69	69	.38
181.1 - 186.5	99 - 102	4.69	69	.38
186.5 - 192.0	102 - 105	4.69	69	.38
192.0 - 197.5	105 - 108	4.69	69	.38
197.5 - 203.0	108 - 111	4.69	69	.38
203.0 - 208.5	111 - 114	4.69	69	.38
208.5 - 214.0	114 - 117	4.69	69	.38
214.0 - 219.5	117 - 120	4.69	69	.38
219.5 - 224.9	120 - 123	4.69	69	.38
224.9 - 230.4	123 - 126	4.69	69	.38
230.4 - 235.9	126 - 129	.00	0	.13

SUM V(N) = 416.43

SECTION GB 13

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			47.08	6963	.00
0.0 - 5.5	0 - 3			41.14	5316	33.58
5.5 - 11.0	3 - 6			32.71	3361	23.60
11.0 - 16.5	6 - 9			30.99	3018	17.49
16.5 - 21.9	9 - 12			30.10	2847	16.09
21.9 - 27.4	12 - 15			29.55	2744	15.34
27.4 - 32.9	15 - 18			28.99	2641	14.77
32.9 - 38.4	18 - 21			28.61	2572	14.30
38.4 - 43.9	21 - 24			28.23	2504	13.92
43.9 - 49.4	24 - 27			27.65	2401	13.45
49.4 - 54.9	27 - 30			27.25	2332	12.98
54.9 - 60.4	30 - 33			26.64	2229	12.51
60.4 - 65.8	33 - 36			26.23	2161	12.04
65.8 - 71.3	36 - 39			25.59	2058	11.57
71.3 - 76.8	39 - 42			25.16	1989	11.10
76.8 - 82.3	42 - 45			24.73	1921	10.73
82.3 - 87.8	45 - 48			23.83	1784	10.16
87.8 - 93.3	48 - 51			23.36	1715	9.60
93.3 - 98.8	51 - 54			22.65	1612	9.13
98.8 - 104.2	54 - 57			21.67	1475	8.47
104.2 - 109.7	57 - 60			20.37	1303	7.62
109.7 - 115.2	60 - 63			19.54	1200	6.86
115.2 - 120.7	63 - 66			18.39	1063	6.20
120.7 - 126.2	66 - 69			17.48	960	5.55
126.2 - 131.7	69 - 72			16.52	857	4.98
131.7 - 137.2	72 - 75			15.85	789	4.51

SECTION 633 CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78		15.14	720	4.14
142.6 - 148.1	78 - 81		14.41	652	3.76
148.1 - 153.6	81 - 84		14.01	617	3.48
153.6 - 159.1	84 - 87		13.22	549	3.20
159.1 - 164.6	87 - 90		12.36	480	2.82
164.6 - 170.1	90 - 93		11.45	412	2.44
170.1 - 175.6	93 - 96		10.95	377	2.16
175.6 - 181.1	96 - 99		10.45	343	1.97
181.1 - 186.5	99 - 102		9.92	309	1.79
186.5 - 192.0	102 - 105		8.74	240	1.50
192.0 - 197.5	105 - 108		7.38	171	1.12
197.5 - 203.0	108 - 111		6.60	137	.84
203.0 - 208.5	111 - 114		4.69	69	.55
208.5 - 214.0	114 - 117		.00	0	.13

SUM V(N) = 336.47

SECTION BP 1

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	63.13	12519	.00
0.0 -- 5.5	0 -- 3	53.69	9055	58.93
5.5 -- 11.0	3 -- 6	49.01	7546	45.48
11.0 -- 16.5	6 -- 9	46.26	6723	39.12
16.5 -- 21.9	9 -- 12	40.47	5145	32.46
21.9 -- 27.4	12 -- 15	39.23	4836	27.38
27.4 -- 32.9	15 -- 18	37.09	4322	25.11
32.9 -- 38.4	18 -- 21	35.28	3910	22.57
38.4 -- 43.9	21 -- 24	35.13	3876	21.36
43.9 -- 49.4	24 -- 27	32.38	3293	19.64
49.4 -- 54.9	27 -- 30	31.35	3087	17.50
54.9 -- 60.4	30 -- 33	30.99	3018	16.75
60.4 -- 65.8	33 -- 36	29.18	2675	15.61
65.8 -- 71.3	36 -- 39	28.99	2641	14.58
71.3 -- 76.8	39 -- 42	27.45	2367	13.73
76.8 -- 82.3	42 -- 45	26.43	2195	12.51
82.3 -- 87.8	45 -- 48	25.59	2058	11.66
87.8 -- 93.3	48 -- 51	24.06	1818	10.63
93.3 -- 98.8	51 -- 54	21.67	1475	9.02
98.8 -- 104.2	54 -- 57	20.64	1338	7.71
104.2 -- 109.7	57 -- 60	19.83	1235	7.06
109.7 -- 115.2	60 -- 63	19.27	1166	6.59
115.2 -- 120.7	63 -- 66	18.98	1132	6.30
120.7 -- 126.2	66 -- 69	17.48	960	5.73
126.2 -- 131.7	69 -- 72	16.52	857	4.98
131.7 -- 137.2	72 -- 75	15.85	789	4.51

SECTION BP 1 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 -- 142.6	75 -- 78	15.14	720	4.14
142.6 -- 148.1	78 -- 81	14.41	652	3.76
148.1 -- 153.6	81 -- 84	14.01	617	3.48
153.6 -- 159.1	84 -- 87	13.22	549	3.20
159.1 -- 164.6	87 -- 90	12.36	480	2.82
164.6 -- 170.1	90 -- 93	11.45	412	2.44
170.1 -- 175.6	93 -- 96	10.45	343	2.07
175.6 -- 181.1	96 -- 99	9.92	309	1.79
181.1 -- 186.5	99 -- 102	9.34	274	1.60
186.5 -- 192.0	102 -- 105	8.10	206	1.31
192.0 -- 197.5	105 -- 108	7.38	171	1.03
197.5 -- 203.0	108 -- 111	6.60	137	.84
203.0 -- 208.5	111 -- 114	4.69	69	.55
208.5 -- 214.0	114 -- 117	.00	0	.13

SUM V(N) = 486.08

SECTION

BP 2

DEPTH-INTERVAL		R(N) KM	A(N) SQ. KM	V(N) CU. KM
METERS	FATHOMS			
0.0	0	68.68	14817	.00
0.0 - 5.5	0 - 3	65.17	13342	77.21
5.5 - 11.0	3 - 6	63.21	12553	71.02
11.0 - 16.5	6 - 9	62.26	12176	67.83
16.5 - 21.9	9 - 12	60.48	11490	64.91
21.9 - 27.4	12 - 15	60.02	11319	62.57
27.4 - 32.9	15 - 18	59.20	11010	61.25
32.9 - 38.4	18 - 21	57.42	10358	58.61
38.4 - 43.9	21 - 24	56.94	10187	56.36
43.9 - 49.4	24 - 27	56.07	9878	55.04
49.4 - 54.9	27 - 30	54.99	9501	53.16
54.9 - 60.4	30 - 33	53.99	9158	51.18
60.4 - 65.8	33 - 36	52.35	8609	48.73
65.8 - 71.3	36 - 39	51.08	8197	46.10
71.3 - 76.8	39 - 42	47.43	7066	41.83
76.8 - 82.3	42 - 45	45.55	6517	37.25
82.3 - 87.8	45 - 48	42.57	5694	33.47
87.8 - 93.3	48 - 51	37.24	4356	27.49
93.3 - 98.8	51 - 54	35.74	4013	22.95
98.8 - 104.2	54 - 57	34.18	3670	21.07
104.2 - 109.7	57 - 60	30.99	3018	18.32
109.7 - 115.2	60 - 63	28.42	2538	15.22
115.2 - 120.7	63 - 66	25.59	2058	12.58
120.7 - 126.2	66 - 69	22.65	1612	10.04
126.2 - 131.7	69 - 72	21.42	1441	8.37
131.7 - 137.2	72 - 75	20.10	1269	7.43

SECTION BP CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78		17.17	926	6.00
142.6 - 148.1	78 - 81		14.78	686	4.41
148.1 - 153.6	81 - 84		13.22	549	3.38
153.6 - 159.1	84 - 87		12.36	480	2.82
159.1 - 164.6	87 - 90		11.45	412	2.44
164.6 - 170.1	90 - 93		10.45	343	2.07
170.1 - 175.6	93 - 96		9.34	274	1.69
175.6 - 181.1	96 - 99		7.38	171	1.21
181.1 - 186.5	99 - 102		4.69	69	.64
186.5 - 192.0	102 - 105		.00	0	.13

SUM V(N) = 1054.78

SECTION

BP 3

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	62.26	12176	.00
0.0 - 5.5	0 - 3	62.08	12108	66.62
5.5 - 11.0	3 - 6	61.46	11867	65.77
11.0 - 16.5	6 - 9	60.84	11627	64.45
16.5 - 21.9	9 - 12	59.75	11216	62.66
21.9 - 27.4	12 - 15	59.01	10941	60.78
27.4 - 32.9	15 - 18	57.52	10393	58.52
32.9 - 38.4	18 - 21	56.66	10084	56.17
38.4 - 43.9	21 - 24	55.68	9741	54.38
43.9 - 49.4	24 - 27	54.69	9398	52.50
49.4 - 54.9	27 - 30	53.99	9158	50.90
54.9 - 60.4	30 - 33	53.28	8918	49.58
60.4 - 65.8	33 - 36	52.76	8746	48.46
65.8 - 71.3	36 - 39	51.29	8266	46.66
71.3 - 76.8	39 - 42	48.90	7511	43.26
76.8 - 82.3	42 - 45	47.43	7066	39.98
82.3 - 87.8	45 - 48	45.43	6483	37.16
87.8 - 93.3	48 - 51	44.45	6208	34.81
93.3 - 98.8	51 - 54	42.57	5694	32.64
98.8 - 104.2	54 - 57	42.19	5591	30.96
104.2 - 109.7	57 - 60	41.53	5419	30.20
109.7 - 115.2	60 - 63	37.53	4425	26.96
115.2 - 120.7	63 - 66	35.59	3979	23.04
120.7 - 126.2	66 - 69	34.97	3841	21.45
126.2 - 131.7	69 - 72	31.35	3087	18.97
131.7 - 137.2	72 - 75	30.99	3018	16.75

SECTION BP 3 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78	28.81	2607	15.42
142.6 - 148.1	78 - 81	27.65	2401	13.73
148.1 - 153.6	81 - 84	27.25	2332	12.98
153.6 - 159.1	84 - 87	26.23	2161	12.32
159.1 - 164.6	87 - 90	22.65	1612	10.31
164.6 - 170.1	90 - 93	20.10	1269	7.88
170.1 - 175.6	93 - 96	19.54	1200	6.77
175.6 - 181.1	96 - 99	18.98	1132	6.40
181.1 - 186.5	99 - 102	14.41	652	4.83
186.5 - 192.0	102 - 105	13.22	549	3.29
192.0 - 197.5	105 - 108	12.36	480	2.82
197.5 - 203.0	108 - 111	11.45	412	2.44
203.0 - 208.5	111 - 114	9.92	309	1.97
208.5 - 214.0	114 - 117	7.38	171	1.30
214.0 - 219.5	117 - 120	.00	0	.31

SUM V(N) = 1196.41

SECTION

BP 4

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	68.99	14954	.00
0.0 -- 5.5	0 -- 3	67.80	14440	80.63
5.5 -- 11.0	3 -- 6	66.25	13788	77.43
11.0 -- 16.5	6 -- 9	64.50	13068	73.66
16.5 -- 21.9	9 -- 12	61.99	12073	68.95
21.9 -- 27.4	12 -- 15	61.10	11730	65.29
27.4 -- 32.9	15 -- 18	59.57	11147	62.75
32.9 -- 38.4	18 -- 21	58.92	10907	60.50
38.4 -- 43.9	21 -- 24	58.36	10701	59.27
43.9 -- 49.4	24 -- 27	56.07	9878	56.44
49.4 -- 54.9	27 -- 30	54.60	9364	52.78
54.9 -- 60.4	30 -- 33	53.48	8986	50.33
60.4 -- 65.8	33 -- 36	53.28	8918	49.11
65.8 -- 71.3	36 -- 39	52.14	8540	47.89
71.3 -- 76.8	39 -- 42	51.29	8266	46.10
76.8 -- 82.3	42 -- 45	49.01	7546	43.36
82.3 -- 87.8	45 -- 48	47.19	6997	39.88
87.8 -- 93.3	48 -- 51	45.30	6448	36.87
93.3 -- 98.8	51 -- 54	43.96	6071	34.34
98.8 -- 104.2	54 -- 57	43.33	5899	32.83
104.2 -- 109.7	57 -- 60	41.67	5454	31.14
109.7 -- 115.2	60 -- 63	38.81	4733	27.92
115.2 -- 120.7	63 -- 66	36.05	4082	24.16
120.7 -- 126.2	66 -- 69	35.28	3910	21.92
126.2 -- 131.7	69 -- 72	34.97	3841	21.26
131.7 -- 137.2	72 -- 75	34.66	3773	20.89

SECTION BP A CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 -- 142.6	75 -- 78	34.34	3704	20.51
142.6 -- 148.1	78 -- 81	32.54	3327	19.28
148.1 -- 153.6	81 -- 84	29.55	2744	16.63
153.6 -- 159.1	84 -- 87	28.23	2504	14.39
159.1 -- 164.6	87 -- 90	27.65	2401	13.45
164.6 -- 170.1	90 -- 93	26.84	2264	12.80
170.1 -- 175.6	93 -- 96	25.81	2092	11.95
175.6 -- 181.1	96 -- 99	23.13	1681	10.33
181.1 -- 186.5	99 -- 102	21.16	1406	8.46
186.5 -- 192.0	102 -- 105	19.54	1200	7.14
192.0 -- 197.5	105 -- 108	18.70	1098	6.30
197.5 -- 203.0	108 -- 111	18.10	1029	5.83
203.0 -- 208.5	111 -- 114	16.85	892	5.27
208.5 -- 214.0	114 -- 117	15.85	789	4.61
214.0 -- 219.5	117 -- 120	15.14	720	4.14
219.5 -- 224.9	120 -- 123	14.01	617	3.66
224.9 -- 230.4	123 -- 126	13.22	549	3.20
230.4 -- 235.9	126 -- 129	12.36	480	2.82
235.9 -- 241.4	129 -- 132	11.45	412	2.44
241.4 -- 246.9	132 -- 135	10.45	343	2.07
246.9 -- 252.4	135 -- 138	10.45	343	1.88
252.4 -- 257.9	138 -- 141	10.45	343	1.88
257.9 -- 263.3	141 -- 144	10.45	343	1.88
263.3 -- 268.8	144 -- 147	10.45	343	1.88
268.8 -- 274.3	147 -- 150	10.45	343	1.88
274.3 -- 279.8	150 -- 153	10.45	343	1.88

SECTION BP 4 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
279.8 -- 285.3	153 -- 156	9.34	274	1.69
285.3 -- 290.8	156 -- 159	9.34	274	1.50
290.8 -- 296.3	159 -- 162	9.34	274	1.50
296.3 -- 301.8	162 -- 165	9.34	274	1.50
301.8 -- 307.2	165 -- 168	9.34	274	1.50
307.2 -- 312.7	168 -- 171	8.10	206	1.31
312.7 -- 318.2	171 -- 174	8.10	206	1.13
318.2 -- 323.7	174 -- 177	8.10	206	1.13
323.7 -- 329.2	177 -- 180	8.10	206	1.13
329.2 -- 334.7	180 -- 183	8.10	206	1.13
334.7 -- 340.2	183 -- 186	8.10	206	1.13
340.2 -- 345.6	186 -- 189	8.10	206	1.13
345.6 -- 351.1	189 -- 192	8.10	206	1.13
351.1 -- 356.6	192 -- 195	8.10	206	1.13
356.6 -- 362.1	195 -- 198	8.10	206	1.13
362.1 -- 367.6	198 -- 201	8.10	206	1.13
367.6 -- 373.1	201 -- 204	8.10	206	1.13
373.1 -- 378.6	204 -- 207	8.10	206	1.13
378.6 -- 384.0	207 -- 210	8.10	206	1.13
384.0 -- 389.5	210 -- 213	8.10	206	1.13
389.5 -- 395.0	213 -- 216	8.10	206	1.13
395.0 -- 400.5	216 -- 219	8.10	206	1.13
400.5 -- 406.0	219 -- 222	8.10	206	1.13
406.0 -- 411.5	222 -- 225	8.10	206	1.13
411.5 -- 417.0	225 -- 228	8.10	206	1.13
417.0 -- 422.5	228 -- 231	6.60	137	.93

SECTION BE 4 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
422.5 -- 427.9	231 -- 234	4.69	69	.55
427.9 -- 433.4	234 -- 237	4.69	69	.38
433.4 -- 438.9	237 -- 240	4.69	69	.38
438.9 -- 444.4	240 -- 243	4.69	69	.38
444.4 -- 449.9	243 -- 246	4.69	69	.38
449.9 -- 455.4	246 -- 249	4.69	69	.38
455.4 -- 460.9	249 -- 252	4.69	69	.38
460.9 -- 466.3	252 -- 255	.00	0	.13

SUM V(N) = 1406.65

SECTION

BP 5

DEPTH-INTERVAL		R(N) KM	A(N) SQ. KM	V(N) CU. KM
METERS	FATHOMS			
0.0	0	71.63	16121	.00
0.0 - 5.5	0 - 3	69.31	15092	85.61
5.5 - 11.0	3 - 6	67.96	14508	81.19
11.0 - 16.5	6 - 9	67.23	14200	78.75
16.5 - 21.9	9 - 12	66.33	13822	76.87
21.9 - 27.4	12 - 15	66.00	13685	75.46
27.4 - 32.9	15 - 18	64.67	13137	73.57
32.9 - 38.4	18 - 21	63.56	12691	70.85
38.4 - 43.9	21 - 24	61.90	12039	67.83
43.9 - 49.4	24 - 27	60.66	11559	64.73
49.4 - 54.9	27 - 30	60.02	11319	62.76
54.9 - 60.4	30 - 33	59.29	11044	61.34
60.4 - 65.8	33 - 36	58.64	10804	59.93
65.8 - 71.3	36 - 39	56.94	10187	57.57
71.3 - 76.8	39 - 42	54.79	9432	53.81
76.8 - 82.3	42 - 45	53.38	8952	50.43
82.3 - 87.8	45 - 48	50.87	8129	46.84
87.8 - 93.3	48 - 51	49.23	7614	43.18
93.3 - 98.8	51 - 54	46.73	6860	39.69
98.8 - 104.2	54 - 57	44.70	6277	36.03
104.2 - 109.7	57 - 60	43.84	6037	33.78
109.7 - 115.2	60 - 63	42.05	5556	31.79
115.2 - 120.7	63 - 66	39.51	4905	28.68
120.7 - 126.2	66 - 69	38.53	4665	26.25
126.2 - 131.7	69 - 72	37.09	4322	24.65
131.7 - 137.2	72 - 75	34.97	3841	22.38

SECTION BP 5 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 -- 142.6	75 -- 78	30.82	2984	18.67
142.6 -- 148.1	78 -- 81	29.55	2744	15.71
148.1 -- 153.6	81 -- 84	28.61	2572	14.58
153.6 -- 159.1	84 -- 87	27.65	2401	13.64
159.1 -- 164.6	87 -- 90	24.95	1955	11.93
164.6 -- 170.1	90 -- 93	22.16	1543	9.57
170.1 -- 175.6	93 -- 96	20.90	1372	7.99
175.6 -- 181.1	96 -- 99	19.27	1166	6.95
181.1 -- 186.5	99 -- 102	17.17	926	5.73
186.5 -- 192.0	102 -- 105	15.50	755	4.60
192.0 -- 197.5	105 -- 108	14.41	652	3.86
197.5 -- 203.0	108 -- 111	13.22	549	3.29
203.0 -- 208.5	111 -- 114	11.91	446	2.72
208.5 -- 214.0	114 -- 117	10.95	377	2.26
214.0 -- 219.5	117 -- 120	9.34	274	1.78
219.5 -- 224.9	120 -- 123	7.38	171	1.21
224.9 -- 230.4	123 -- 126	.00	0	.31

SUM V(N)= 1478.76

SECTION BP 6

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	68.20	14611	.00
0.0 - 5.5	0 - 3	67.39	14268	79.22
5.5 - 11.0	3 - 6	67.15	14165	78.00
11.0 - 16.5	6 - 9	65.75	13582	76.11
16.5 - 21.9	9 - 12	63.75	12759	72.25
21.9 - 27.4	12 - 15	62.69	12348	68.87
27.4 - 32.9	15 - 18	61.10	11730	66.04
32.9 - 38.4	18 - 21	60.60	11559	63.89
38.4 - 43.9	21 - 24	59.60	11250	62.57
43.9 - 49.4	24 - 27	59.8	11113	61.35
49.4 - 54.9	27 - 30	57.9	10564	59.46
54.9 - 60.4	30 - 33	55.78	9775	55.78
60.4 - 65.8	33 - 36	54.99	9501	52.88
65.8 - 71.3	36 - 39	53.03	8506	49.37
71.3 - 76.8	39 - 42	51.51	8335	46.20
76.8 - 82.3	42 - 45	50.29	8266	45.54
82.3 - 87.8	45 - 48	50.00	7854	44.22
87.8 - 93.3	48 - 51	47.77	7168	41.19
93.3 - 98.8	51 - 54	46.02	6654	37.91
98.8 - 104.2	54 - 57	44.21	5865	34.32
104.2 - 109.7	57 - 60	42.53	5419	30.95
109.7 - 115.2	60 - 63	39.51	4905	28.31
115.2 - 120.7	63 - 66	37.38	4390	25.48
120.7 - 126.2	66 - 69	36.65	4219	23.61
126.2 - 131.7	69 - 72	34.81	3807	22.01
131.7 - 137.2	72 - 75	32.71	3361	19.65

SECTION BP 6 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78	31.87	3190	17.97
142.6 - 148.1	78 - 81	30.99	3018	17.03
148.1 - 153.6	81 - 84	30.10	2847	16.09
153.6 - 159.1	84 - 87	28.23	2504	14.67
159.1 - 164.6	87 - 90	26.64	2229	12.98
164.6 - 170.1	90 - 93	24.50	1886	11.28
170.1 - 175.6	93 - 96	22.89	1646	9.68
175.6 - 181.1	96 - 99	21.67	1475	8.56
181.1 - 186.5	99 - 102	20.63	1337	7.71
186.5 - 192.0	102 - 105	19.83	1235	7.05
192.0 - 197.5	105 - 108	18.39	1063	6.30
197.5 - 203.0	108 - 111	17.17	926	5.45
203.0 - 208.5	111 - 114	16.19	823	4.80
208.5 - 214.0	114 - 117	15.50	755	4.33
214.0 - 219.5	117 - 120	14.41	652	3.86
219.5 - 224.9	120 - 123	12.79	514	3.19
224.9 - 230.4	123 - 126	10.45	343	2.34
230.4 - 235.9	126 - 129	.00	0	.63

SUM V(N)= 1399.05

SECTION BP 7

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0		0		66.00	13685	.00
0.0 - 5.5	0 - 3			64.67	13137	73.57
5.5 - 11.0	3 - 6			63.30	12588	70.56
11.0 - 16.5	6 - 9			61.02	11696	66.60
16.5 - 21.9	9 - 12			59.38	11079	62.47
21.9 - 27.4	12 - 15			56.95	10188	58.32
27.4 - 32.9	15 - 18			55.39	9638	54.38
32.9 - 38.4	18 - 21			53.89	9124	51.46
38.4 - 43.9	21 - 24			52.03	8506	48.35
43.9 - 49.4	24 - 27			49.45	7683	44.39
49.4 - 54.9	27 - 30			48.79	7477	41.59
54.9 - 60.4	30 - 33			48.22	7306	40.55
60.4 - 65.8	33 - 36			47.31	7031	39.33
65.8 - 71.3	36 - 39			45.55	6517	37.16
71.3 - 76.8	39 - 42			43.96	6071	34.52
76.8 - 82.3	42 - 45			42.57	5694	32.27
82.3 - 87.8	45 - 48			40.60	5179	29.82
87.8 - 93.3	48 - 51			38.11	4562	26.70
93.3 - 98.8	51 - 54			36.20	4116	23.80
98.8 - 104.2	54 - 57			35.89	4047	22.39
104.2 - 109.7	57 - 60			34.97	3841	21.64
109.7 - 115.2	60 - 63			33.37	3498	20.13
115.2 - 120.7	63 - 66			33.04	3430	19.00
120.7 - 126.2	66 - 69			32.20	3258	18.34
126.2 - 131.7	69 - 72			31.87	3190	17.69
131.7 - 137.2	72 - 75			28.99	2641	15.97

SECTION BP 7 CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 -- 142.6	75 -- 78	28.61	2572	14.30
142.6 -- 148.1	78 -- 81	24.50	1886	12.18
148.1 -- 153.6	81 -- 84	22.65	1612	9.59
153.6 -- 159.1	84 -- 87	20.10	1269	7.88
159.1 -- 164.6	87 -- 90	14.78	686	5.28
164.6 -- 170.1	90 -- 93	12.79	514	3.28
170.1 -- 175.6	93 -- 96	10.45	343	2.34
175.6 -- 181.1	96 -- 99	.00	0	.63

SUM V(N) = 1026.48

SECTION BP 8

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	72.77	16635	.00
0.0 - 5.5	0 - 3	71.86	16223	90.13
5.5 - 11.0	3 - 6	71.56	16086	88.63
11.0 - 16.5	6 - 9	70.09	15435	86.46
16.5 - 21.9	9 - 12	68.60	14783	82.89
21.9 - 27.4	12 - 15	66.17	13754	78.27
27.4 - 32.9	15 - 18	62.26	12176	71.09
32.9 - 38.4	18 - 21	58.55	10770	62.91
38.4 - 43.9	21 - 24	57.96	10553	58.49
43.9 - 49.4	24 - 27	53.28	8918	53.35
49.4 - 54.9	27 - 30	49.89	7820	45.88
54.9 - 60.4	30 - 33	46.96	6928	40.43
60.4 - 65.8	33 - 36	45.55	6517	36.88
65.8 - 71.3	36 - 39	42.83	5762	33.66
71.3 - 76.8	39 - 42	38.81	4733	28.74
76.8 - 82.3	42 - 45	37.82	4493	25.31
82.3 - 87.8	45 - 48	36.05	4082	23.51
87.8 - 93.3	48 - 51	35.28	3910	21.92
93.3 - 98.8	51 - 54	32.88	3396	20.03
98.8 - 104.2	54 - 57	31.17	3053	17.68
104.2 - 109.7	57 - 60	28.42	2538	15.32
109.7 - 115.2	60 - 63	27.45	2367	13.45
115.2 - 120.7	63 - 66	26.64	2229	12.61
120.7 - 126.2	66 - 69	22.16	1543	10.29
126.2 - 131.7	69 - 72	19.54	1200	7.50
131.7 - 137.2	72 - 75	16.52	857	5.62

SECTION BP CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78		14.78	686	4.22
142.6 - 148.1	78 - 81		10.45	343	2.77
148.1 - 153.6	81 - 84		.00	0	.63

SUM V(N)= 1038.67

SECTION BP 9

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	78.40	19310	.00
0.0 - 5.5	0 - 3	78.19	19207	105.66
5.5 - 11.0	3 - 6	77.91	19070	105.00
11.0 - 16.5	6 - 9	77.14	18693	103.59
16.5 - 21.9	9 - 12	75.85	18076	100.86
21.9 - 27.4	12 - 15	75.27	17801	98.42
27.4 - 32.9	15 - 18	73.07	16772	94.83
32.9 - 38.4	18 - 21	71.18	15915	89.66
38.4 - 43.9	21 - 24	69.39	15126	85.14
43.9 - 49.4	24 - 27	67.96	14508	81.29
49.4 - 54.9	27 - 30	64.83	13205	75.99
54.9 - 60.4	30 - 33	60.02	11319	67.21
60.4 - 65.8	33 - 36	55.78	9775	57.81
65.8 - 71.3	36 - 39	52.87	8781	50.88
71.3 - 76.8	39 - 42	48.22	7306	44.07
76.8 - 82.3	42 - 45	43.71	6002	36.45
82.3 - 87.8	45 - 48	39.37	4870	29.77
87.8 - 93.3	48 - 51	32.03	3224	22.05
93.3 - 98.8	51 - 54	24.06	1818	13.65
98.8 - 104.2	54 - 57	21.42	1441	8.92
104.2 - 109.7	57 - 60	19.27	1166	7.14
109.7 - 115.2	60 - 63	18.39	1063	6.11
115.2 - 120.7	63 - 66	10.45	343	3.68
120.7 - 126.2	66 - 69	.00	0	.63

SUM V(N)= 1288.79

SECTION

BP 10

DEPTH- METERS		FATHOMS		R(N) FM	A(N) SQ. KM	V(N) CU. KM
0.		0		74.30	17355	.00
0.0 -	5.5	0 -	3	73.81	17115	94.56
5.5 -	11.0	3 -	6	73.44	16944	93.43
11.0 -	16.5	6 -	9	70.94	15812	89.84
16.5 -	21.9	9 -	12	70.01	15400	85.62
21.9 -	27.4	12 -	15	66.25	13788	80.03
27.4 -	32.9	15 -	18	62.69	12348	71.66
32.9 -	38.4	18 -	21	60.11	11353	65.00
38.4 -	43.9	21 -	24	58.74	10838	60.87
43.9 -	49.4	24 -	27	56.75	10118	57.48
49.4 -	54.9	27 -	30	54.99	9501	53.81
54.9 -	60.4	30 -	33	53.80	9124	51.09
60.4 -	65.8	33 -	36	50.87	8129	47.30
65.8 -	71.3	36 -	39	47.00	7134	41.84
71.3 -	76.8	39 -	42	44.33	6174	36.47
76.8 -	82.3	42 -	45	37.96	4527	29.24
82.3 -	87.8	45 -	48	29.37	2710	19.64
87.8 -	93.3	48 -	51	23.83	1784	12.24
93.3 -	98.8	51 -	54	17.80	995	7.52
98.8 -	104.2	54 -	57	13.22	549	4.18
104.2 -	109.7	57 -	60	10.95	377	2.53
109.7 -	115.2	60 -	63	9.34	274	1.78
115.2 -	120.7	63 -	66	7.38	171	1.21
120.7 -	126.2	66 -	69	.00	0	.31

SUM V(N)= 1007.63

SECTION BP 11

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		57.13	10255	.00
0.0 - 5.5	0 - 3		56.46	10015	55.60
5.5 - 11.0	3 - 6		56.17	9912	54.66
11.0 - 16.5	6 - 9		54.79	9432	53.06
16.5 - 21.9	9 - 12		51.72	8403	48.90
21.9 - 27.4	12 - 15		49.67	7752	44.30
27.4 - 32.9	15 - 18		46.26	6723	39.67
32.9 - 38.4	18 - 21		42.19	5591	33.73
38.4 - 43.9	21 - 24		39.10	4802	28.48
43.9 - 49.4	24 - 27		35.74	4013	24.15
49.4 - 54.9	27 - 30		32.88	3396	20.30
54.9 - 60.4	30 - 33		24.50	1886	14.29
60.4 - 65.8	33 - 36		21.16	1406	9.00
65.8 - 71.3	36 - 39		20.37	1303	7.43
71.3 - 76.8	39 - 42		18.10	1029	6.38
76.8 - 82.3	42 - 45		12.79	514	4.15
82.3 - 87.8	45 - 48		7.38	171	1.79
87.8 - 93.3	48 - 51		.00	0	.31

SUM V(N) = 446.22

SECTION BP 12

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	63.73	12759	.00
.0 - 5.5	0 - 3	62.95	12451	69.15
5.5 - 11.0	3 - 6	62.08	12108	67.37
11.0 - 16.5	6 - 9	60.75	11593	65.01
16.5 - 21.9	9 - 12	58.55	10770	61.33
21.9 - 27.4	12 - 15	57.61	10427	58.15
27.4 - 32.9	15 - 18	55.68	9741	55.31
32.9 - 38.4	18 - 21	53.38	8952	51.26
38.4 - 43.9	21 - 24	50.65	8060	46.65
43.9 - 49.4	24 - 27	49.23	7614	42.99
49.4 - 54.9	27 - 30	46.38	6757	39.40
54.9 - 60.4	30 - 33	45.18	6413	36.12
60.4 - 65.8	33 - 36	43.59	5968	33.96
65.8 - 71.3	36 - 39	41.00	5282	30.84
71.3 - 76.8	39 - 42	36.35	4150	25.81
76.8 - 82.3	42 - 45	31.70	3156	19.98
82.3 - 87.8	45 - 48	26.64	2229	14.70
87.8 - 93.3	48 - 51	22.65	1612	10.49
93.3 - 98.8	51 - 54	18.70	1098	7.39
98.8 - 104.2	54 - 57	14.78	686	4.85
104.2 - 109.7	57 - 60	10.95	377	2.87
109.7 - 115.2	60 - 63	10.95	377	2.07
115.2 - 120.7	63 - 66	10.95	377	2.07
120.7 - 126.2	66 - 69	.00	0	.69

SUM V(N) = 748.47

SECTION BP 13

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	57.13	10255	.00
0 - 5.5	0 - 3	56.85	10153	55.98
5.5 - 11.0	3 - 6	54.39	9295	53.33
11.0 - 16.5	6 - 9	52.24	8575	49.01
16.5 - 21.9	9 - 12	49.89	7820	44.96
21.9 - 27.4	12 - 15	47.65	7134	41.01
27.4 - 32.9	15 - 18	44.70	6277	36.76
32.9 - 38.4	18 - 21	43.33	5899	33.40
38.4 - 43.9	21 - 24	38.96	4768	29.21
43.9 - 49.4	24 - 27	36.94	4287	24.83
49.4 - 54.9	27 - 30	34.18	3670	21.81
54.9 - 60.4	30 - 33	30.10	2847	17.83
60.4 - 65.8	33 - 36	26.43	2195	13.79
65.8 - 71.3	36 - 39	18.39	1063	8.75
71.3 - 76.8	39 - 42	9.34	274	3.43
76.8 - 82.3	42 - 45	5.73	103	1.00
82.3 - 87.8	45 - 48	.00	0	.19

SUM V(N)= 435.28

SECTION BP 14

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	54.89	9466	.00
0.0 - 5.5	0 - 3	54.09	9192	51.18
5.5 - 11.0	3 - 6	48.79	7477	45.65
11.0 - 16.5	6 - 9	41.00	5282	34.83
16.5 - 21.9	9 - 12	37.38	4390	26.49
21.9 - 27.4	12 - 15	31.17	3053	20.31
27.4 - 32.9	15 - 18	27.45	2367	14.87
32.9 - 38.4	18 - 21	25.81	2092	12.22
38.4 - 43.9	21 - 24	23.36	1715	10.43
43.9 - 49.4	24 - 27	12.79	514	5.79
49.4 - 54.9	27 - 30	.00	0	.94

SUM V(N)= 222.67

SECTION BP 15

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0		0		36.94	4287	.00
0.0 - 5.5	0 - 3			36.49	4184	23.24
5.5 - 11.0	3 - 6			36.05	4082	22.67
11.0 - 16.5	6 - 9			33.70	3567	20.97
16.5 - 21.9	9 - 12			31.35	3087	18.24
21.9 - 27.4	12 - 15			29.92	2813	16.18
27.4 - 32.9	15 - 18			26.43	2195	13.70
32.9 - 38.4	18 - 21			22.41	1578	10.30
38.4 - 43.9	21 - 24			20.63	1337	7.99
43.9 - 49.4	24 - 27			14.78	686	5.45
49.4 - 54.9	27 - 30			.00	0	1.25

SUM V(N)= 139.99

SECTION BP 16

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	45.43	6483	.00
0.0 - 5.5	0 - 3	41.00	5282	32.22
5.5 - 11.0	3 - 6	34.50	3739	24.62
11.0 - 16.5	6 - 9	21.67	1475	13.83
16.5 - 21.9	9 - 12	9.92	309	4.50
21.9 - 27.4	12 - 15	.00	0	.57
			SUM V(N)=	75.73

SECTION BP 17

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	39.93	5008	.00
0.0 -- 5.5	0 -- 3	34.97	3841	24.20
5.5 -- 11.0	3 -- 6	21.67	1475	14.07
11.0 -- 16.5	6 -- 9	9.92	309	4.50
16.5 -- 21.9	9 -- 12	.00	0	.57
SUM V(N)=				43.34

SECTION BP 18

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0		0	33.37	3498	.00
0.0 - 5.5	0 - 3	3	30.46	2915	17.57
5.5 - 11.0	3 - 6	6	26.84	2264	14.17
11.0 - 16.5	6 - 9	9	22.16	1543	10.38
16.5 - 21.9	9 - 12	12	11.91	446	5.15
21.9 - 27.4	12 - 15	15	8.74	240	1.85
27.4 - 32.9	15 - 18	18	6.60	137	1.02
32.9 - 38.4	18 - 21	21	.00	0	.25
				SUM V(N)=	50.40

SECTION

BP 19

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	28.23	2504	.00
0.0 - 5.5	0 - 3	25.81	2092	12.59
5.5 - 11.0	3 - 6	23.13	1681	10.33
11.0 - 16.5	6 - 9	19.83	1235	7.97
16.5 - 21.9	9 - 12	18.10	1029	6.20
21.9 - 27.4	12 - 15	10.45	343	3.60
27.4 - 32.9	15 - 18	.00	0	.63
SUM V(N)=				41.31

SECTION GF 1

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		19.83	1235	.00
.0 - 5.5	0 - 3		16.19	823	5.61
5.5 - 11.0	3 - 6		12.36	480	3.53
11.0 - 16.5	6 - 9		8.74	240	1.94
16.5 - 21.9	9 - 12		5.73	103	.91
21.9 - 27.4	12 - 15		.00	0	.19

SUM V(N)= 12.18

SECTION GF 2

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		28.81	2607	.00
0 - 5.5	0 - 3		26.23	2161	13.06
5.5 - 11.0	3 - 6		22.41	1578	10.22
11.0 - 16.5	6 - 9		17.48	960	6.89
16.5 - 21.9	9 - 12		16.85	892	5.08
21.9 - 27.4	12 - 15		16.19	823	4.70
27.4 - 32.9	15 - 18		6.60	137	2.37
32.9 - 38.4	18 - 21		4.69	69	.55
38.4 - 43.9	21 - 24		.00	0	.13
SUM V(N)=					43.00

SECTION GF 3

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ, KM	CU, KM
0.0	0	46.02	6654	.00
0 - 5.5	0 - 3	41.40	5385	32.96
5.5 - 11.0	3 - 6	38.81	4733	27.74
11.0 - 16.5	6 - 9	35.59	3979	23.87
16.5 - 21.9	9 - 12	32.20	3258	19.82
21.9 - 27.4	12 - 15	30.10	2847	16.73
27.4 - 32.9	15 - 18	28.61	2572	14.86
32.9 - 38.4	18 - 21	24.06	1818	11.98
38.4 - 43.9	21 - 24	20.90	1372	8.72
43.9 - 49.4	24 - 27	16.19	823	5.96
49.4 - 54.9	27 - 30	14.01	617	3.94
54.9 - 60.4	30 - 33	8.10	206	2.16
60.4 - 65.8	33 - 36	5.73	103	.83
65.8 - 71.3	36 - 39	.00	0	.19

SUM V(N)= 169.76

SECTION GF 4

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		47.31	7031	.00
0.0 - 5.5	0 - 3		43.84	6037	35.81
5.5 - 11.0	3 - 6		41.53	5419	31.41
11.0 - 16.5	6 - 9		38.96	4768	27.93
16.5 - 21.9	9 - 12		37.67	4459	25.31
21.9 - 27.4	12 - 15		35.13	3876	22.85
27.4 - 32.9	15 - 18		34.18	3670	20.70
32.9 - 38.4	18 - 21		32.54	3327	19.19
38.4 - 43.9	21 - 24		30.64	2950	17.21
43.9 - 49.4	24 - 27		28.61	2572	15.14
49.4 - 54.9	27 - 30		25.16	1989	12.48
54.9 - 60.4	30 - 33		23.59	1749	10.25
60.4 - 65.8	33 - 36		20.37	1303	8.34
65.8 - 71.3	36 - 39		18.39	1063	6.48
71.3 - 76.8	39 - 42		16.19	823	5.16
76.8 - 82.3	42 - 45		15.14	720	4.23
82.3 - 87.8	45 - 48		13.62	583	3.57
87.8 - 93.3	48 - 51		10.45	343	2.51
93.3 - 98.8	51 - 54		9.34	274	1.69
98.8 - 104.2	54 - 57		7.38	171	1.21
104.2 - 109.7	57 - 60		.00	0	.31

SUM V(N)= 271.76

SECTION GF 5

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	36.79	4253	.00
0.0 - 5.5	0 - 3	34.18	3670	21.71
5.5 - 11.0	3 - 6	31.70	3156	18.71
11.0 - 16.5	6 - 9	30.28	2881	16.55
16.5 - 21.9	9 - 12	29.74	2778	15.52
21.9 - 27.4	12 - 15	29.37	2710	15.05
27.4 - 32.9	15 - 18	28.42	2538	14.39
32.9 - 38.4	18 - 21	27.45	2367	13.45
38.4 - 43.9	21 - 24	24.95	1955	11.84
43.9 - 49.4	24 - 27	22.89	1646	9.87
49.4 - 54.9	27 - 30	21.42	1441	8.46
54.9 - 60.4	30 - 33	18.98	1132	7.04
60.4 - 65.8	33 - 36	18.39	1063	6.02
65.8 - 71.3	36 - 39	17.48	960	5.55
71.3 - 76.8	39 - 42	14.78	686	4.49
76.8 - 82.3	42 - 45	11.91	446	3.08
82.3 - 87.8	45 - 48	8.74	240	1.85
87.8 - 93.3	48 - 51	4.69	69	.80
93.3 - 98.8	51 - 54	.00	0	.13

SUM V(N) = 174.53

SECTION GF 6

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ.KM	CU.KM
0.0		0		36.05	4082	.00
0.0 - 5.5	0 - 3			32.54	3327	20.29
5.5 - 11.0	3 - 6			30.28	2881	17.02
11.0 - 16.5	6 - 9			29.37	2710	15.33
16.5 - 21.9	9 - 12			28.42	2538	14.39
21.9 - 27.4	12 - 15			27.65	2401	13.55
27.4 - 32.9	15 - 18			27.05	2298	12.89
32.9 - 38.4	18 - 21			25.81	2092	12.04
38.4 - 43.9	21 - 24			24.46	1880	10.89
43.9 - 49.4	24 - 27			23.13	1681	9.76
49.4 - 54.9	27 - 30			21.16	1406	8.46
54.9 - 60.4	30 - 33			19.27	1166	7.05
60.4 - 65.8	33 - 36			18.39	1063	6.11
65.8 - 71.3	36 - 39			17.17	926	5.45
71.3 - 76.8	39 - 42			14.78	686	4.41
76.8 - 82.3	42 - 45			11.45	412	2.98
82.3 - 87.8	45 - 48			8.10	206	1.66
87.8 - 93.3	48 - 51			.00	0	.38

SUM V(N)= 162.65

SECTION

GF 7

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ,KM	CU,KM
0.0	0			37.82	4493	.00
0.0 - 5.5	0 - 3			35.74	4013	23.32
5.5 - 11.0	3 - 6			34.97	3841	21.54
11.0 - 16.5	6 - 9			34.02	3636	20.51
16.5 - 21.9	9 - 12			33.53	3533	19.67
21.9 - 27.4	12 - 15			33.04	3430	19.10
27.4 - 32.9	15 - 18			31.52	3121	17.96
32.9 - 38.4	18 - 21			30.28	2881	16.46
38.4 - 43.9	21 - 24			29.55	2744	15.43
43.9 - 49.4	24 - 27			29.18	2675	14.86
49.4 - 54.9	27 - 30			28.23	2504	14.20
54.9 - 60.4	30 - 33			26.43	2195	12.88
60.4 - 65.8	33 - 36			25.38	2024	11.57
65.8 - 71.3	36 - 39			22.41	1578	9.86
71.3 - 76.8	39 - 42			18.70	1098	7.30
76.8 - 82.3	42 - 45			15.85	789	5.15
82.3 - 87.8	45 - 48			14.78	686	4.04
87.8 - 93.3	48 - 51			11.45	412	2.98
93.3 - 98.8	51 - 54			7.38	171	1.55
98.8 - 104.2	54 - 57			.00	0	.31

SUM V(N)= 238.71

SECTION

GR 1

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ, KM	CU, KM
0.0	0		35.89	4047	.00
0 - 5.5	0 - 3		30.82	2984	19.21
5.5 - 11.0	3 - 6		23.13	1681	12.63
11.0 - 16.5	6 - 9		17.80	995	7.26
16.5 - 21.9	9 - 12		15.85	789	4.88
21.9 - 27.4	12 - 15		11.91	446	3.34
27.4 - 32.9	15 - 18		9.34	274	1.96
32.9 - 38.4	18 - 21		.00	0	.50
SUM V(N)=					49.78

SECTION GR 2

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		56.07	9878	.00
0.0 - 5.5	0 - 3		54.49	9329	52.68
5.5 - 11.0	3 - 6		53.17	8883	49.95
11.0 - 16.5	6 - 9		50.00	7854	45.88
16.5 - 21.9	9 - 12		45.55	6517	39.37
21.9 - 27.4	12 - 15		42.05	5556	33.08
27.4 - 32.9	15 - 18		34.18	3670	25.13
32.9 - 38.4	18 - 21		26.64	2229	16.02
38.4 - 43.9	21 - 24		13.62	583	7.23
43.9 - 49.4	24 - 27		5.73	103	1.70
49.4 - 54.9	27 - 30		.00	0	.19

SUM V(N)= 271.24

SECTION		GB TOTAL				
DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			187.15	110031	.00
0.0 - 5.5	0 - 3			175.22	96448	566.00
5.5 - 11.0	3 - 6			166.23	86810	502.48
11.0 - 16.5	6 - 9			160.79	81220	460.85
16.5 - 21.9	9 - 12			154.13	74634	427.41
21.9 - 27.4	12 - 15			149.82	70518	398.13
27.4 - 32.9	15 - 18			144.59	65682	373.55
32.9 - 38.4	18 - 21			139.91	61498	348.82
38.4 - 43.9	21 - 24			135.71	57862	327.38
43.9 - 49.4	24 - 27			132.08	54809	309.04
49.4 - 54.9	27 - 30			127.84	51345	291.15
54.9 - 60.4	30 - 33			121.94	46715	268.90
60.4 - 65.8	33 - 36			116.26	42462	244.54
65.8 - 71.3	36 - 39			111.07	38757	222.72
71.3 - 76.8	39 - 42			103.70	33784	198.84
76.8 - 82.3	42 - 45			99.13	30869	177.30
82.3 - 87.8	45 - 48			89.03	24901	152.70
87.8 - 93.3	48 - 51			82.67	21471	127.09
93.3 - 98.8	51 - 54			73.21	16840	104.84
98.8 - 104.2	54 - 57			65.75	13582	83.29
104.2 - 109.7	57 - 60			58.74	10838	66.85
109.7 - 115.2	60 - 63			53.89	9123	54.69
115.2 - 120.7	63 - 66			49.45	7682	46.04
120.7 - 126.2	66 - 69			45.54	6516	38.90
126.2 - 131.7	69 - 72			41.79	5487	32.89
131.7 - 137.2	72 - 75			38.95	4767	28.11

SECTION

GEOPHYSICAL

DEPTH-INTERVAL		R(N) KM	A(N) SQ. KM	V(N) CU. KM
METERS	FATHOMS			
137.2 - 142.6	75 - 78	34.18	3670	23.08
142.6 - 148.1	78 - 81	32.03	3224	18.90
148.1 - 153.6	81 - 84	30.82	2984	17.03
153.6 - 159.1	84 - 87	29.74	2778	15.80
159.1 - 164.6	87 - 90	28.42	2538	14.58
164.6 - 170.1	90 - 93	26.64	2229	13.07
170.1 - 175.6	93 - 96	24.95	1955	11.47
175.6 - 181.1	96 - 99	23.59	1749	10.16
181.1 - 186.5	99 - 102	22.89	1646	9.31
186.5 - 192.0	102 - 105	20.89	1371	8.26
192.0 - 197.5	105 - 108	19.54	1200	7.05
197.5 - 203.0	108 - 111	18.69	1097	6.30
203.0 - 208.5	111 - 114	17.48	960	5.64
208.5 - 214.0	114 - 117	15.49	754	4.69
214.0 - 219.5	117 - 120	14.77	685	3.95
219.5 - 224.9	120 - 123	13.62	583	3.47
224.9 - 230.4	123 - 126	12.36	480	2.91
230.4 - 235.9	126 - 129	10.43	342	2.24
235.9 - 241.4	129 - 132	10.43	342	1.88
241.4 - 246.9	132 - 135	10.43	342	1.88
246.9 - 252.4	135 - 138	9.34	274	1.69
252.4 - 257.9	138 - 141	9.34	274	1.50
257.9 - 263.3	141 - 144	9.34	274	1.50
263.3 - 268.8	144 - 147	9.34	274	1.50
268.8 - 274.3	147 - 150	7.38	171	1.21
274.3 - 279.8	150 - 153	7.38	171	.94

SECTION GB TOTAL CONT

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
279.8 -- 285.3	153 -- 156		7.38	171	.94
285.3 -- 290.8	156 -- 159		7.38	171	.94
290.8 -- 296.3	159 -- 162		.00	0	.31

SUM V(N) = 6044.69

SECTION BP 1 TAL

DEPTH-INTERVAL		BP 1 TAL		R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SO, KM	CU, KM
0.0	0			263.40	217970	.00
0.0 - 5.5	0 - 3			255.49	205074	1160.31
5.5 - 11.0	3 - 6			247.92	193103	1092.11
11.0 - 16.5	6 - 9			238.20	178252	1018.43
16.5 - 21.9	9 - 12			227.97	163263	936.54
21.9 - 27.4	12 - 15			220.29	152459	865.92
27.4 - 32.9	15 - 18			211.31	140283	802.82
32.9 - 38.4	18 - 21			204.17	130954	743.91
38.4 - 43.9	21 - 24			198.09	123271	697.28
43.9 - 49.4	24 - 27			190.19	113633	649.70
49.4 - 54.9	27 - 30			182.81	104989	599.57
54.9 - 60.4	30 - 33			175.62	96895	553.66
60.4 - 65.8	33 - 36			169.68	90446	513.81
65.8 - 71.3	36 - 39			161.91	82352	473.85
71.3 - 76.8	39 - 42			152.14	72714	425.10
76.8 - 82.3	42 - 45			144.06	65202	378.14
82.3 - 87.8	45 - 48			134.26	56628	333.93
87.8 - 93.3	48 - 51			124.73	48876	289.16
93.3 - 98.8	51 - 54			116.12	42359	250.06
98.8 - 104.2	54 - 57			110.83	38586	221.97
104.2 - 109.7	57 - 60			105.11	34711	200.97
109.7 - 115.2	60 - 63			98.68	30595	179.03
115.2 - 120.7	63 - 66			92.69	26993	157.87
120.7 - 126.2	66 - 69			87.73	24181	140.31
126.2 - 131.7	69 - 72			83.52	21917	126.41
131.7 - 137.2	72 - 75			79.23	19721	114.17

SECTION BP TOTAL CONT

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
137.2 - 142.6	75 - 78	74.18	17287	101.45
142.6 - 148.1	78 - 81	68.99	14954	88.37
148.1 - 153.6	81 - 84	64.75	13171	77.10
153.6 - 159.1	84 - 87	61.19	11764	68.37
159.1 - 164.6	87 - 90	55.49	9672	58.71
164.6 - 170.1	90 - 93	50.87	8129	48.77
170.1 - 175.6	93 - 96	47.77	7168	41.94
175.6 - 181.1	96 - 99	44.21	6140	36.47
181.1 - 186.5	99 - 102	39.37	4870	30.14
186.5 - 192.0	102 - 105	36.35	4150	24.72
192.0 - 197.5	105 - 108	34.18	3670	21.44
197.5 - 203.0	108 - 111	32.20	3258	18.99
203.0 - 208.5	111 - 114	29.55	2744	16.44
208.5 - 214.0	114 - 117	27.05	2298	13.81
214.0 - 219.5	117 - 120	24.28	1852	11.36
219.5 - 224.9	120 - 123	21.92	1509	9.20
224.9 - 230.4	123 - 126	18.70	1098	7.12
230.4 - 235.9	126 - 129	14.78	686	4.85
235.9 - 241.4	129 - 132	14.01	617	3.57
241.4 - 246.9	132 - 135	13.22	549	3.20
246.9 - 252.4	135 - 138	12.36	480	2.82
252.4 - 257.9	138 - 141	12.36	480	2.63
257.9 - 263.3	141 - 144	12.36	480	2.63
263.3 - 268.8	144 - 147	12.36	480	2.63
268.8 - 274.3	147 - 150	11.45	412	2.44
274.3 - 279.8	150 - 153	11.45	412	2.26

SECTION BP TOTAL CONT

DEPTH-INTERVAL		R(N) KM	A(N) SQ. KM	V(N) CU. KM
METERS	FATHOMS			
279.8 - 285.3	153 - 156	10.45	343	2.07
285.3 - 290.8	156 - 159	10.45	343	1.88
290.8 - 296.3	159 - 162	9.34	274	1.69
296.3 - 301.8	162 - 165	9.34	274	1.50
301.8 - 307.2	165 - 168	9.34	274	1.50
307.2 - 312.7	168 - 171	8.10	206	1.31
312.7 - 318.2	171 - 174	8.10	206	1.13
318.2 - 323.7	174 - 177	8.10	206	1.13
323.7 - 329.2	177 - 180	8.10	206	1.13
329.2 - 334.7	180 - 183	8.10	206	1.13
334.7 - 340.2	183 - 186	8.10	206	1.13
340.2 - 345.6	186 - 189	8.10	206	1.13
345.6 - 351.1	189 - 192	8.10	206	1.13
351.1 - 356.6	192 - 195	8.10	206	1.13
356.6 - 362.1	195 - 198	8.10	206	1.13
362.1 - 367.6	198 - 201	8.10	206	1.13
367.6 - 373.1	201 - 204	8.10	206	1.13
373.1 - 378.6	204 - 207	8.10	206	1.13
378.6 - 384.0	207 - 210	8.10	206	1.13
384.0 - 389.5	210 - 213	8.10	206	1.13
389.5 - 395.0	213 - 216	8.10	206	1.13
395.0 - 400.5	216 - 219	8.10	206	1.13
400.5 - 406.0	219 - 222	8.10	206	1.13
406.0 - 411.5	222 - 225	8.10	206	1.13
411.5 - 417.0	225 - 228	8.10	206	1.13
417.0 - 422.5	228 - 231	6.60	137	.93

SECTION BP TOTAL CONT

DEPTH-INTERVAL		R(N) KM	A(N) SQ. KM	V(N) CU. KM
METERS	FATHOMS			
422.5 - 427.9	231 - 234	4.69	69	.55
427.9 - 433.4	234 - 237	4.69	69	.38
433.4 - 438.9	237 - 240	4.69	69	.38
438.9 - 444.4	240 - 243	4.69	69	.38
444.4 - 449.9	243 - 246	4.69	69	.38
449.9 - 455.4	246 - 249	4.69	69	.38
455.4 - 460.9	249 - 252	4.69	69	.38
460.9 - 466.3	252 - 255	.00	0	.13

SUM V(N)= 13661.80

SECTION TOTAL

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ. KM	CU. KM
0.0	0	98.57	30526	.00
0 -- 5.5	0 -- 3	90.25	25587	153.73
5.5 -- 11.0	3 -- 6	84.18	22260	131.15
11.0 -- 16.5	6 -- 9	78.47	19345	114.04
16.5 -- 21.9	9 -- 12	75.13	17733	101.68
21.9 -- 27.4	12 -- 15	71.94	16258	93.21
27.4 -- 32.9	15 -- 18	67.96	14508	84.35
32.9 -- 38.4	18 -- 21	63.04	12485	73.98
38.4 -- 43.9	21 -- 24	59.01	10941	64.22
43.9 -- 49.4	24 -- 27	55.09	9535	56.13
49.4 -- 54.9	27 -- 30	50.44	7992	48.02
54.9 -- 60.4	30 -- 33	45.30	6448	39.54
60.4 -- 65.8	33 -- 36	42.05	5556	32.90
65.8 -- 71.3	36 -- 39	37.96	4527	27.61
71.3 -- 76.8	39 -- 42	32.38	3293	21.36
76.8 -- 82.3	42 -- 45	27.45	2367	15.46
82.3 -- 87.8	45 -- 48	23.36	1715	11.15
87.8 -- 93.3	48 -- 51	16.19	823	6.81
93.3 -- 98.8	51 -- 54	11.91	446	3.43
98.8 -- 104.2	54 -- 57	7.40	172	1.64
104.2 -- 109.7	57 -- 60	.00	0	.31

SUM V(N) = 1080.71

SECTION GR TOTAL

DEPTH-INTERVAL			R(N)	A(N)	V(N)
METERS	FATHOMS		KM	SQ. KM	CU. KM
0.0	0		66.58	13925	.00
0.0 - 5.5	0 - 3		62.60	12313	71.93
5.5 - 11.0	3 - 6		57.99	10564	62.69
11.0 - 16.5	6 - 9		53.07	8849	53.18
16.5 - 21.9	9 - 12		48.22	7306	44.25
21.9 - 27.4	12 - 15		43.71	6002	36.45
27.4 - 32.9	15 - 18		35.43	3944	27.09
32.9 - 38.4	18 - 21		26.64	2229	16.71
38.4 - 43.9	21 - 24		13.62	583	7.23
43.9 - 49.4	24 - 27		5.73	103	1.70
49.4 - 54.9	27 - 30		.00	0	.19

SUM V(N) = 321.42

SECTION BALTIC TOTAL

DEPTH-INTERVAL				R(N)	A(N)	V(N)
METERS	FATHOMS			KM	SQ. KM	CU. KM
0.0	0			344,32	372453	.00
0.0 - 5.5	0 - 3			328,70	339423	1952,12
5.5 - 11.0	3 - 6			315,51	312738	1788,51
11.0 - 16.5	6 - 9			302,60	287666	1646,55
16.5 - 21.9	9 - 12			289,30	262936	1509,90
21.9 - 27.4	12 - 15			279,40	245238	1393,74
27.4 - 32.9	15 - 18			267,27	224418	1287,94
32.9 - 38.4	18 - 21			256,79	207166	1183,61
38.4 - 43.9	21 - 24			247,64	192657	1096,55
43.9 - 49.4	24 - 27			238,09	178080	1016,74
49.4 - 54.9	27 - 30			228,71	164327	939,04
54.9 - 60.4	30 - 33			218,55	150058	862,12
60.4 - 65.8	33 - 36			209,94	138465	791,26
65.8 - 71.3	36 - 39			199,98	125637	724,20
71.3 - 76.8	39 - 42			186,94	109791	645,34
76.8 - 82.3	42 - 45			177,01	98438	570,93
82.3 - 87.8	45 - 48			162,78	83244	497,81
87.8 - 93.3	48 - 51			150,51	71170	423,16
93.3 - 98.8	51 - 54			137,79	59646	358,39
98.8 - 104.2	54 - 57			129,07	52340	306,98
104.2 - 109.7	57 - 60			120,41	45549	268,31
109.7 - 115.2	60 - 63			112,44	39718	233,72
115.2 - 120.7	63 - 66			105,06	34676	203,92
120.7 - 126.2	66 - 69			98,85	30698	179,22
126.2 - 131.7	69 - 72			93,40	27405	159,30
131.7 - 137.2	72 - 75			88,29	24489	142,28

SECTION

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ, KM	CU, KM
137.2 - 142.6	75 - 78	81.68	20957	124.54
142.6 - 148.1	78 - 81	76.07	18178	107.26
148.1 - 153.6	81 - 84	71.71	16155	94.13
153.6 - 159.1	84 - 87	68.04	14543	84.17
159.1 - 164.6	87 - 90	62.34	12210	73.30
164.6 - 170.1	90 - 93	57.42	10358	61.84
170.1 - 175.6	93 - 96	53.89	9124	53.41
175.6 - 181.1	96 - 99	50.11	7889	46.63
181.1 - 186.5	99 - 102	45.55	6517	39.46
186.5 - 192.0	102 - 105	41.93	5522	32.99
192.0 - 197.5	105 - 108	39.37	4870	28.49
197.5 - 203.0	108 - 111	37.24	4356	25.30
203.0 - 208.5	111 - 114	34.34	3704	22.09
208.5 - 214.0	114 - 117	31.17	3053	18.51
214.0 - 219.5	117 - 120	28.42	2538	15.32
219.5 - 224.9	120 - 123	25.81	2092	12.68
224.9 - 230.4	123 - 126	22.41	1578	10.03
230.4 - 235.9	126 - 129	18.10	1029	7.10
235.9 - 241.4	129 - 132	17.48	960	5.46
241.4 - 246.9	132 - 135	16.85	892	5.08
246.9 - 252.4	135 - 138	15.50	755	4.51
252.4 - 257.9	138 - 141	15.50	755	4.14
257.9 - 263.3	141 - 144	15.50	755	4.14
263.3 - 268.8	144 - 147	15.50	755	4.14
268.8 - 274.3	147 - 150	13.62	583	3.66
274.3 - 279.8	150 - 153	13.62	583	3.20

SECTION

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ, KM	CU, KM
279.8 - 285.3	153 - 156	12.79	514	3.01
285.3 - 290.8	156 - 159	12.79	514	2.82
290.8 - 296.3	159 - 162	9.34	274	2.13
296.3 - 301.8	162 - 165	9.34	274	1.50
301.8 - 307.2	165 - 168	9.34	274	1.50
307.2 - 312.7	168 - 171	8.10	206	1.31
312.7 - 318.2	171 - 174	8.10	206	1.13
318.2 - 323.7	174 - 177	8.10	206	1.13
323.7 - 329.2	177 - 180	8.10	206	1.13
329.2 - 334.7	180 - 183	8.10	206	1.13
334.7 - 340.2	183 - 186	8.10	206	1.13
340.2 - 345.6	186 - 189	8.10	206	1.13
345.6 - 351.1	189 - 192	8.10	206	1.13
351.1 - 356.6	192 - 195	8.10	206	1.13
356.6 - 362.1	195 - 198	8.10	206	1.13
362.1 - 367.6	198 - 201	8.10	206	1.13
367.6 - 373.1	201 - 204	8.10	206	1.13
373.1 - 378.6	204 - 207	8.10	206	1.13
378.6 - 384.0	207 - 210	8.10	206	1.13
384.0 - 389.5	210 - 213	8.10	206	1.13
389.5 - 395.0	213 - 216	8.10	206	1.13
395.0 - 400.5	216 - 219	8.10	206	1.13
400.5 - 406.0	219 - 222	8.10	206	1.13
406.0 - 411.5	222 - 225	8.10	206	1.13
411.5 - 417.0	225 - 228	8.10	206	1.13
417.0 - 422.5	228 - 231	6.60	137	.93

SECTION

DEPTH-INTERVAL		R(N)	A(N)	V(N)
METERS	FATHOMS	KM	SQ, KM	CU, KM
422.5 - 427.9	231 - 234	4.69	69	.55
427.9 - 433.4	234 - 237	4.69	69	.38
433.4 - 438.9	237 - 240	4.69	69	.38
438.9 - 444.4	240 - 243	4.69	69	.38
444.4 - 449.9	243 - 246	4.69	69	.38
449.9 - 455.4	246 - 249	4.69	69	.38
455.4 - 460.9	249 - 252	4.69	69	.38
460.9 - 466.3	252 - 255	.00	0	.13

SUM V(N) = 21110.85

