Salps SAL

Coded as PYR

Number of surveys caught 1992–2010 (out of 19):	6
Total catch weight (kg):	428.8

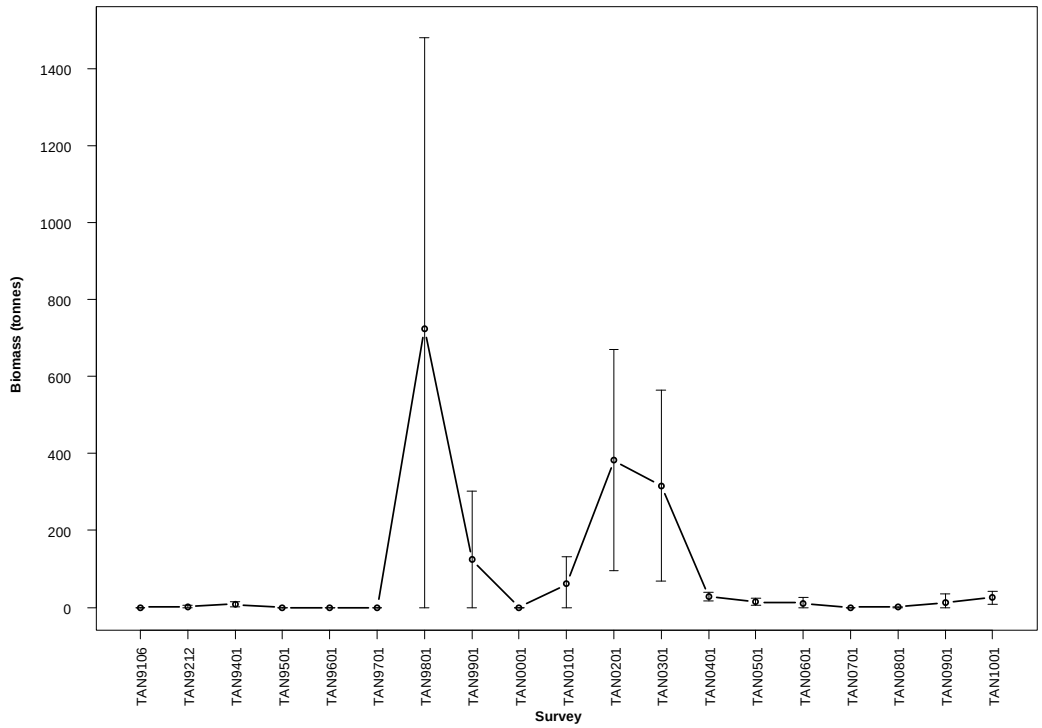
Coded as SAL

Number of surveys caught 1992–2010 (out of 19):	15
Total catch weight (kg):	1 568.9

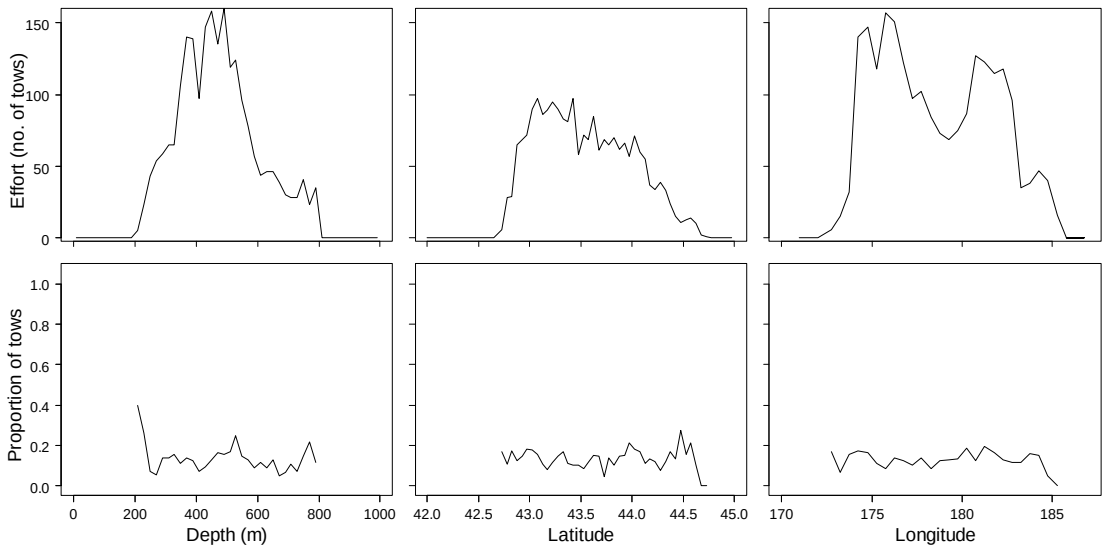
The core survey area and depth range **is not** appropriate for this group. It occurs in midwater**.** Biomass of this group is **poorly** estimated in the core survey area. Biomass has **increased and then decreased** since the start of the time series, but this group may have been **poorly recorded** in early surveys.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	2	97
1994	8	37
1995	0	-
1996	0	-
1997	0	-
1998	723	54
1999	124	73
2000	0	-
2001	61	58
2002	382	38
2003	316	40
2004	28	23
2005	14	34
2006	11	68
2007	0	-
2008	1	70
2009	12	99
2010	25	34



Distribution



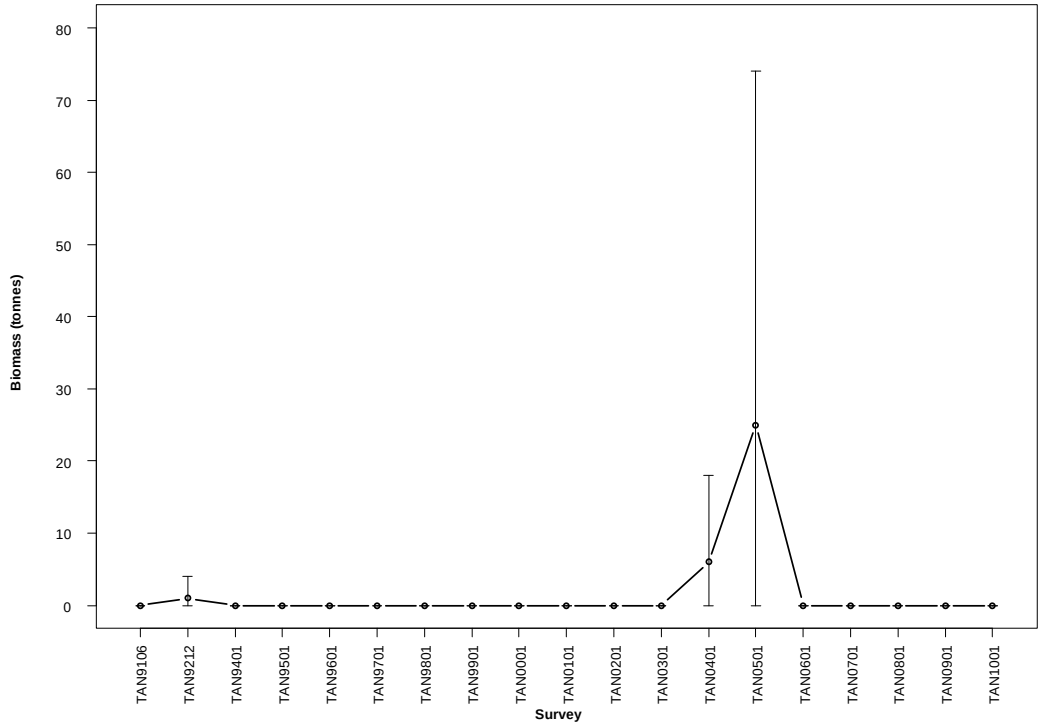
Bigscaled brown slickhead (*Alepocephalus australis*) SBI

Number of surveys caught 1992–2010 (out of 19):	4
Total catch weight (kg):	976.7
Number measured	1 082
Length range (mean) (cm)	–
Number weighed	278
Length-weight parameters a, b (r^2)	–

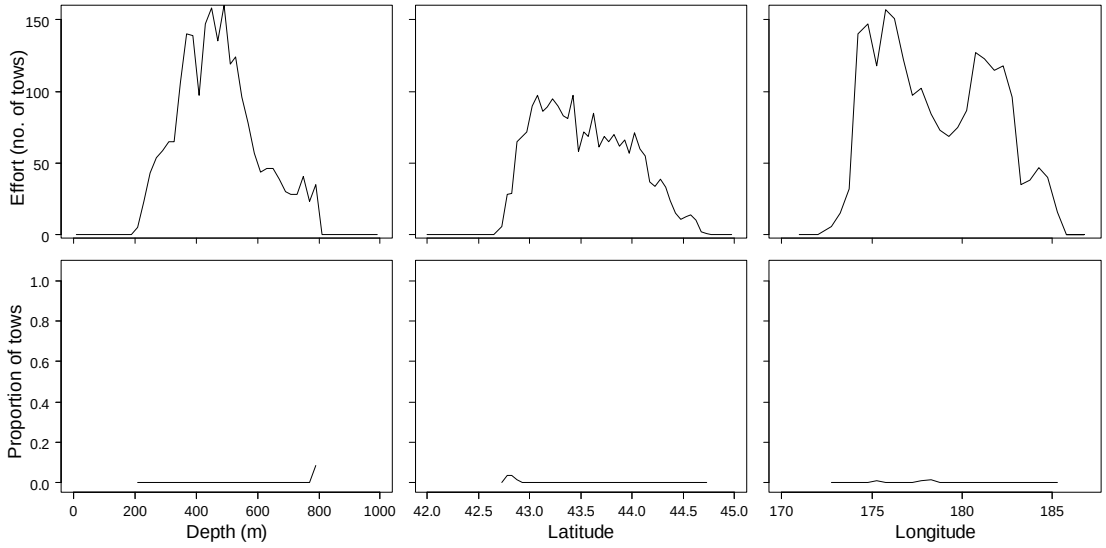
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	1	100
1994	0	-
1995	0	-
1996	0	-
1997	0	-
1998	0	-
1999	0	-
2000	0	-
2001	0	-
2002	0	-
2003	0	-
2004	6	100
2005	25	100
2006	0	-
2007	0	-
2008	0	-
2009	0	-
2010	0	-



Distribution



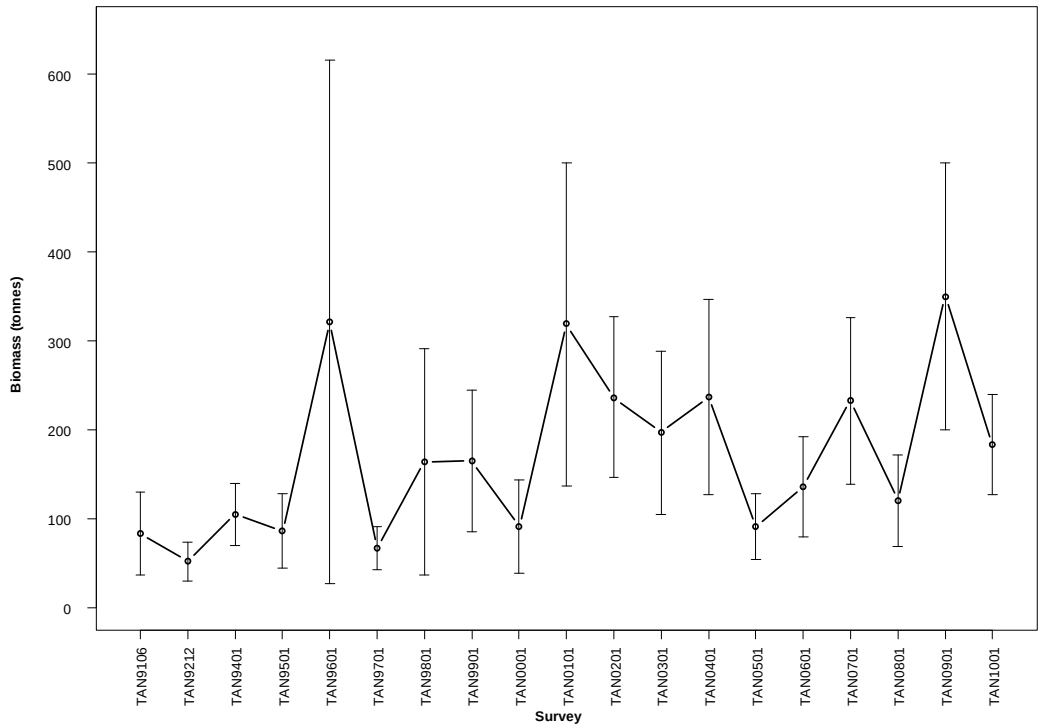
Spineback (*Notacanthus sexspinis*) SBK

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	1 389.5
Number measured	174
Length range (mean) (cm, TL)	39–73 (55.4)
Number weighed	105
Length-weight parameters a, b (r^2)	–

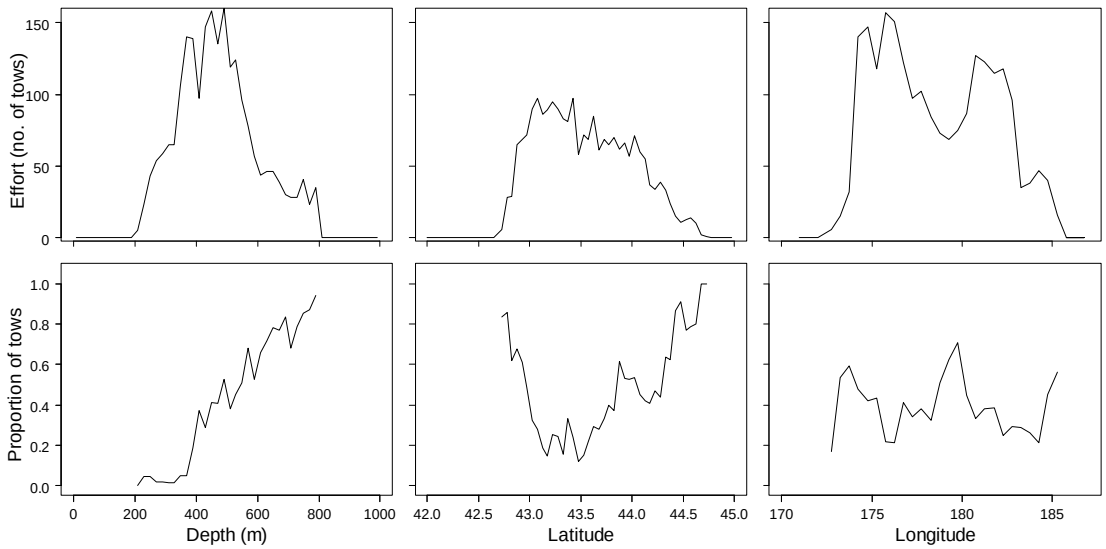
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **well** estimated in the core survey area. Biomass has **increased** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	83	28
1993	52	20
1994	105	17
1995	86	25
1996	321	46
1997	67	18
1998	164	39
1999	165	24
2000	91	29
2001	319	28
2002	236	19
2003	197	23
2004	237	23
2005	91	20
2006	136	21
2007	233	20
2008	120	21
2009	350	21
2010	183	15



Distribution



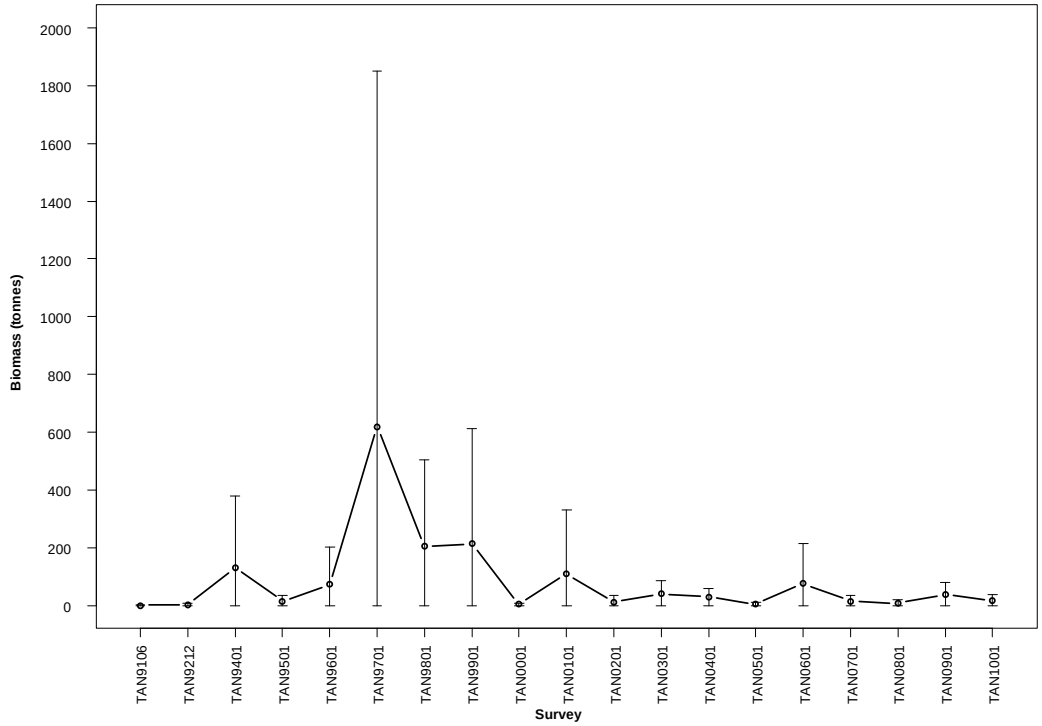
Southern blue whiting (*Micromesistius australis*) SBW

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	2 255.3
Number measured	1 445
Length range (mean) (cm, FL)	25–56 (40.5)
Number weighed	369
Length-weight parameters a, b (r^2)	0.001566, 3.407656 (97.94)

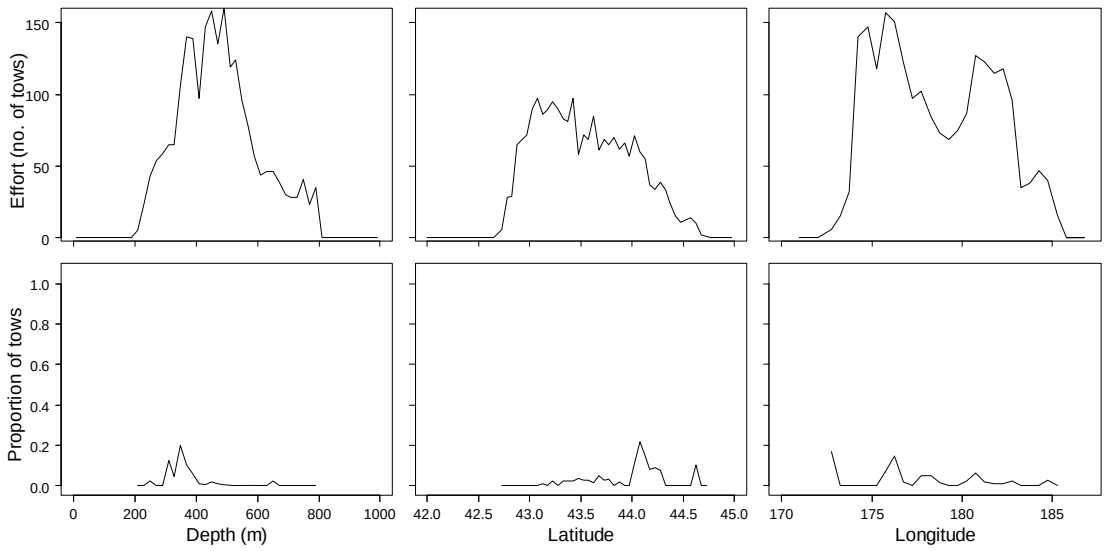
The core survey area and depth range **is** appropriate for this species. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **south**. Length frequencies **have multiple modes which may contain information about year-class strength**. Mean length has **increased** since the start of the time series.

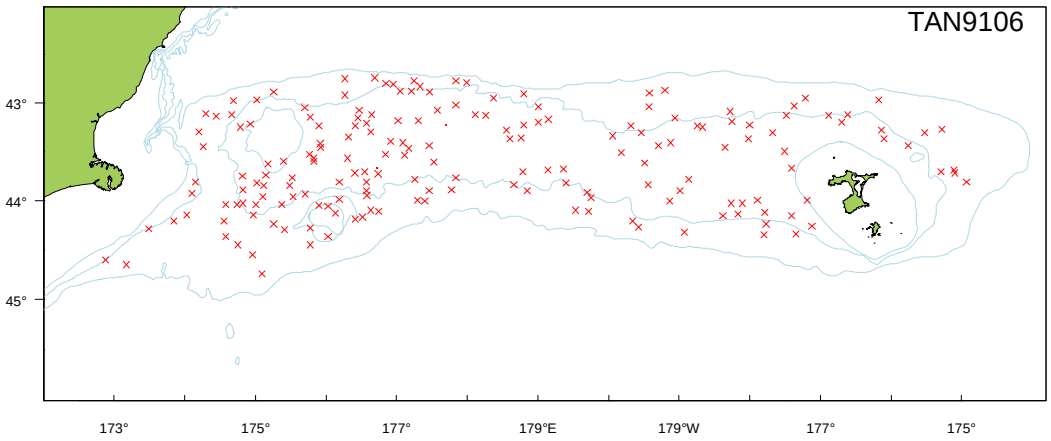
Relative biomass estimates and length summary

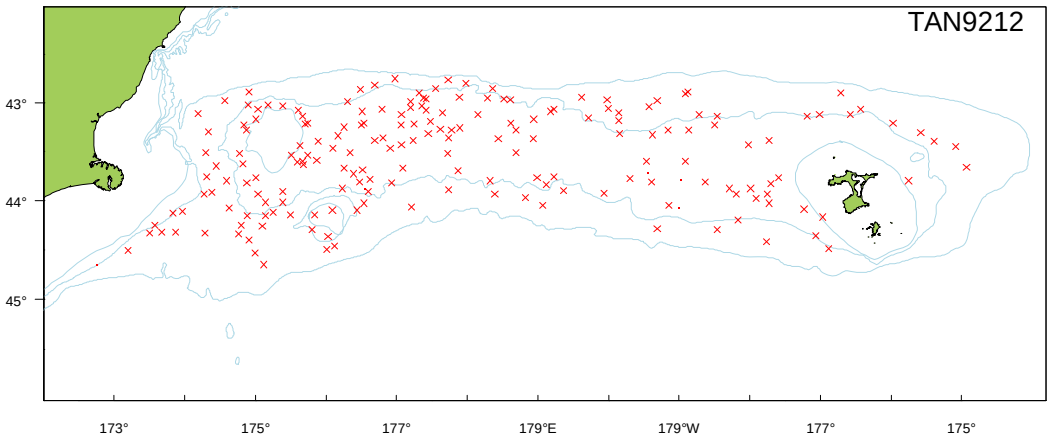
			Length (cm)			No.
Year	**Biomass (t)**	**cv (%)**	**Min.**	**Max.**	**Mean**	**measured**
1992	0	71	26	37	31.5	2
1993	3	56	32	46	39.5	10
1994	131	94	25	49	33.2	267
1995	14	71	33	51	38.0	65
1996	72	90	27	50	38.8	92
1997	618	100	34	49	41.1	87
1998	205	72	33	52	43.8	170
1999	214	93	28	48	41.6	118
2000	4	62	27	45	33.2	14
2001	110	100	29	50	43.6	91
2002	12	93	27	51	46.0	32
2003	40	56	28	53	44.8	163
2004	30	50	26	52	39.0	24
2005	4	80	47	54	50.5	6
2006	75	94	29	54	44.2	62
2007	15	63	33	53	43.1	52
2008	7	89	47	56	52.1	25
2009	37	56	27	56	42.0	95
2010	16	69	27	52	35.4	70

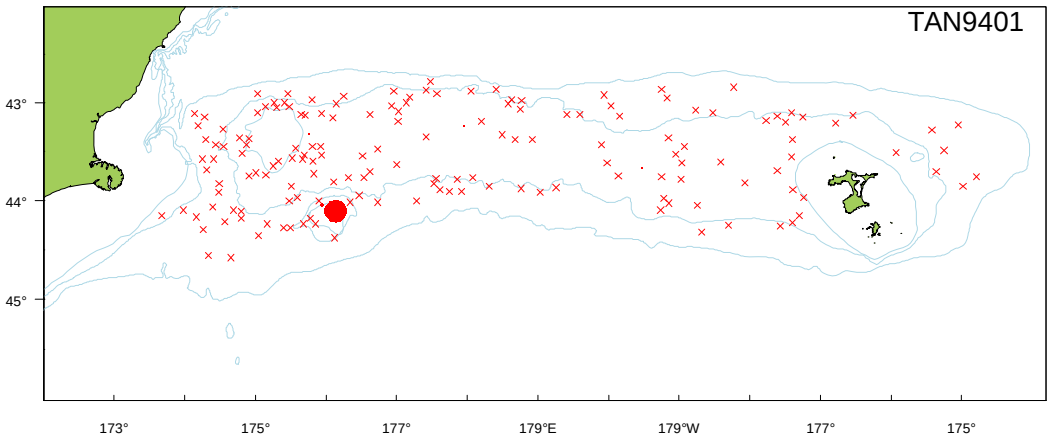


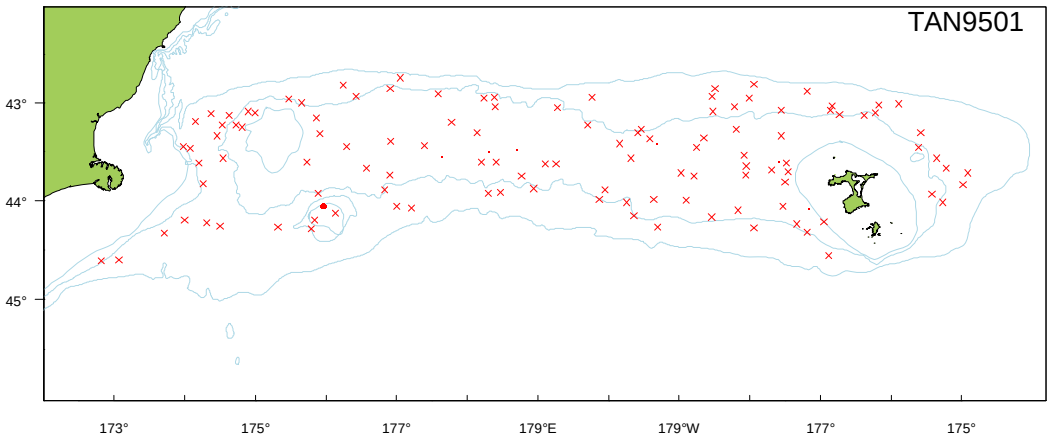
Distribution

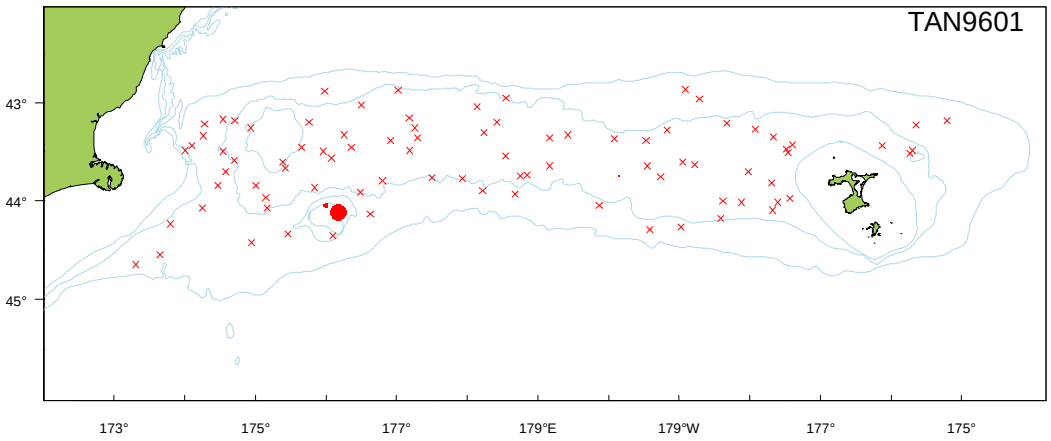


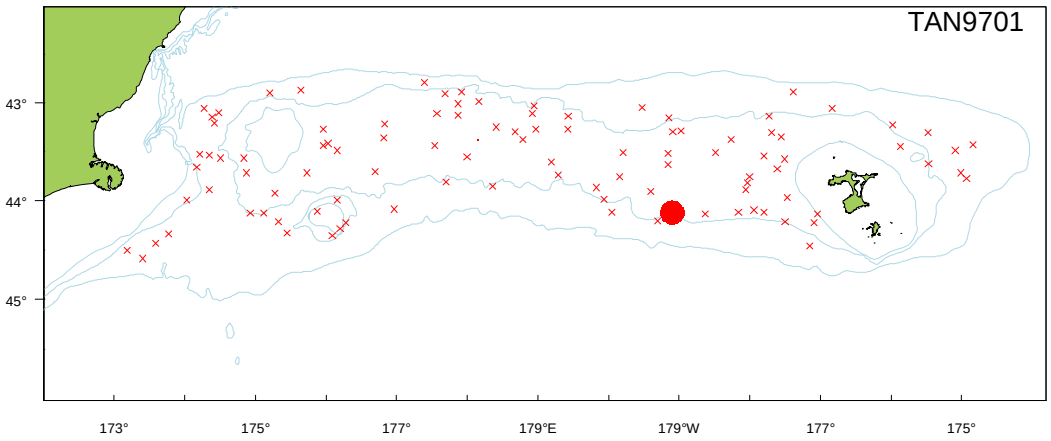

TAN9106
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

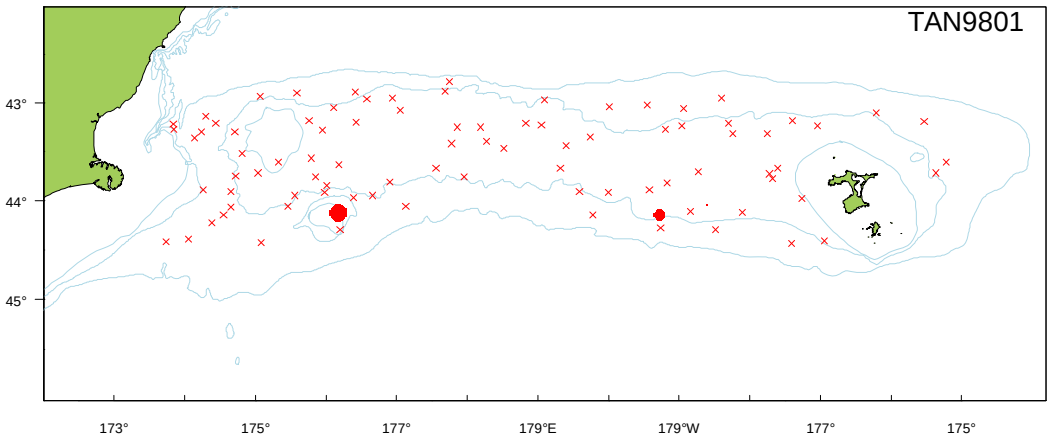

TAN9212
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

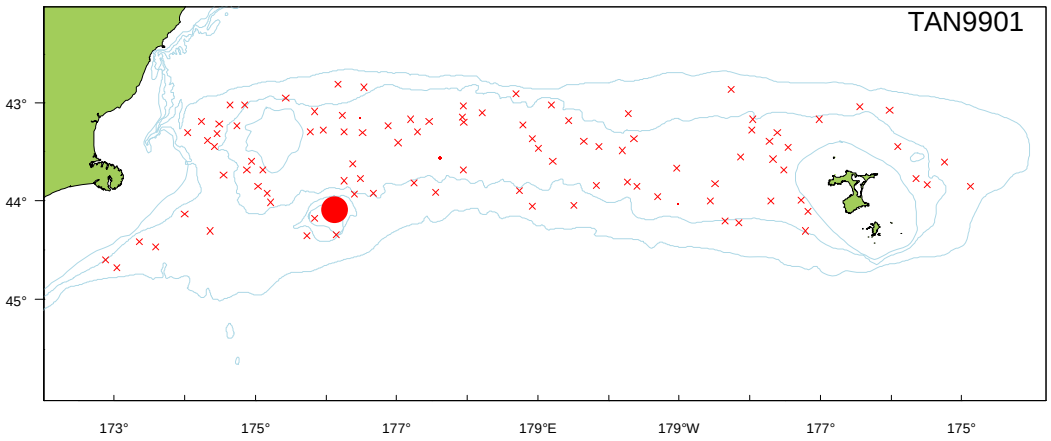

TAN9401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

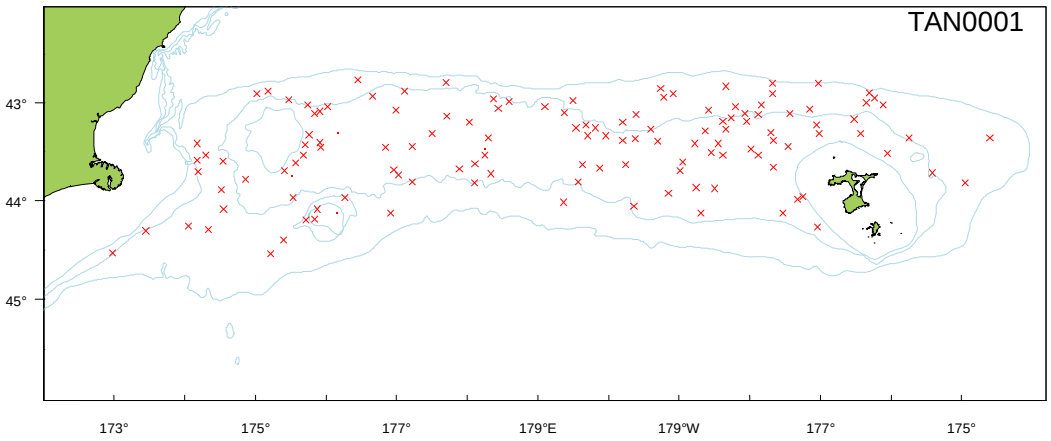

TAN9501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

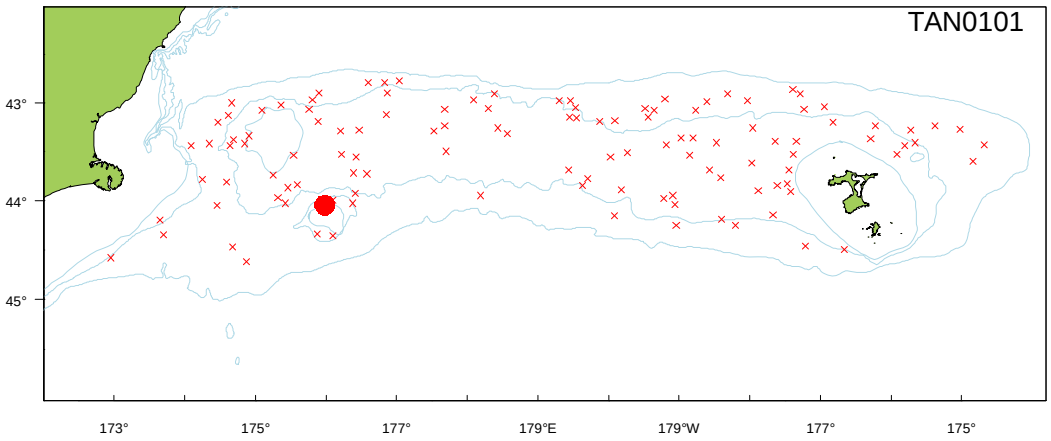

TAN9601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

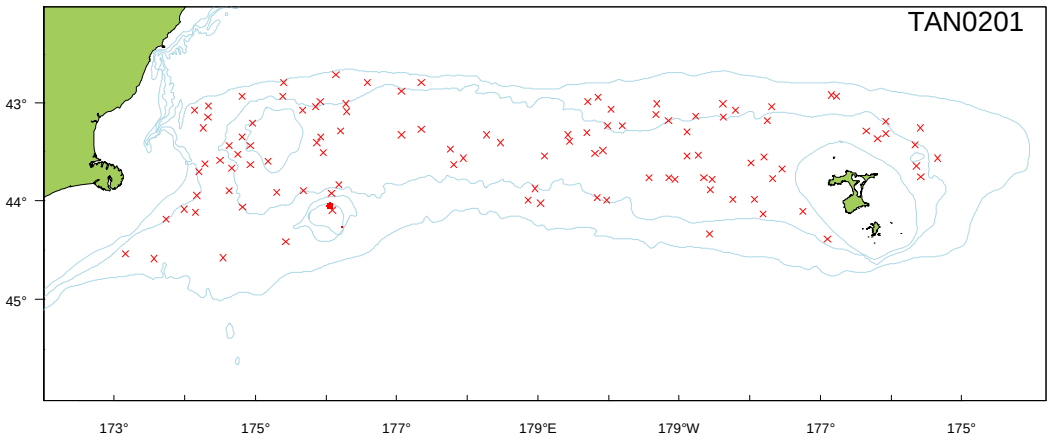

TAN9701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

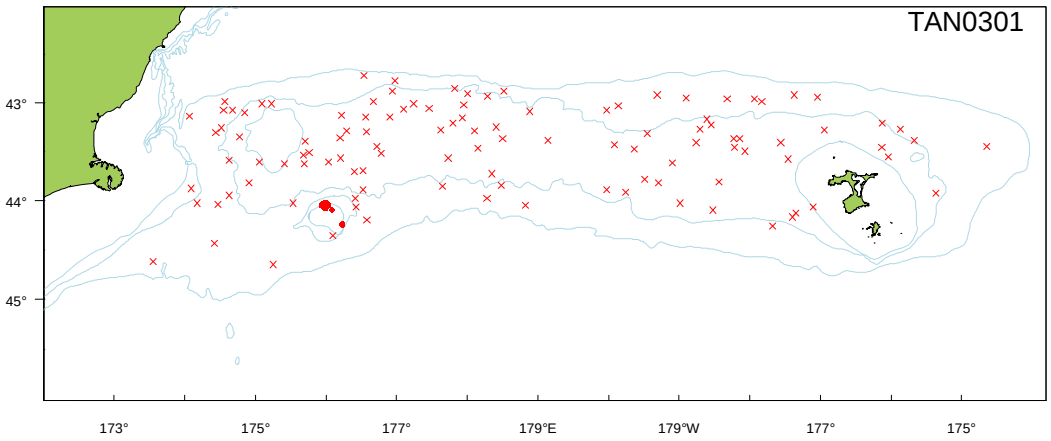

TAN9801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

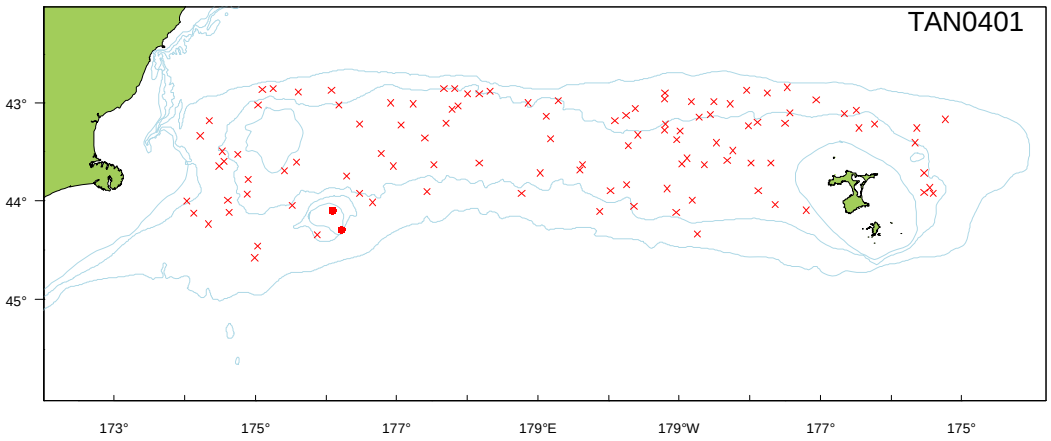

TAN9901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

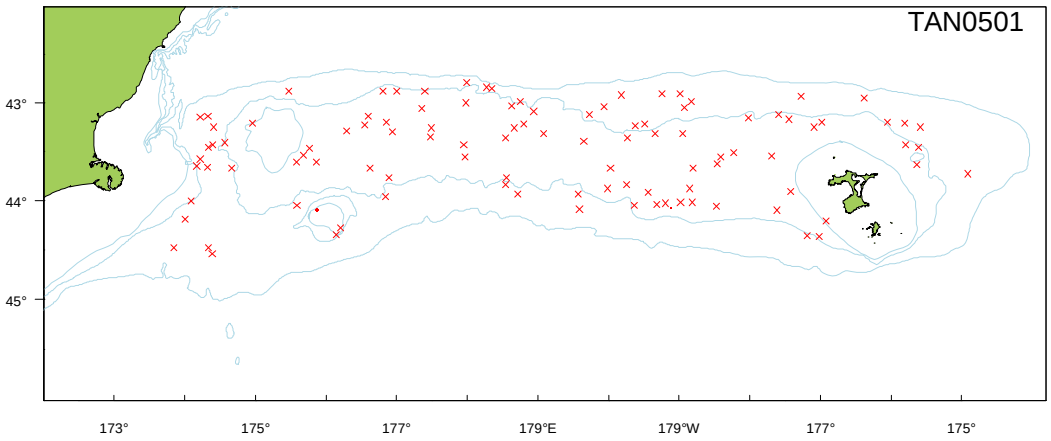

TAN0001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

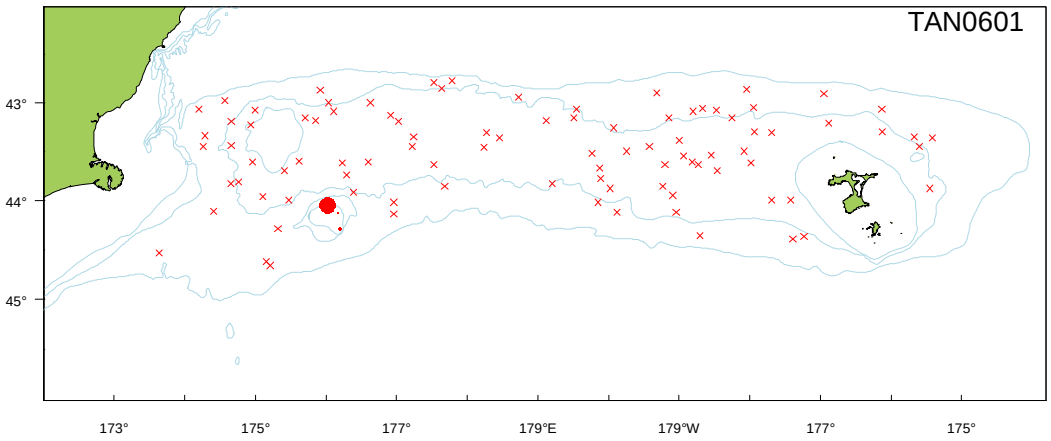

TAN0101
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

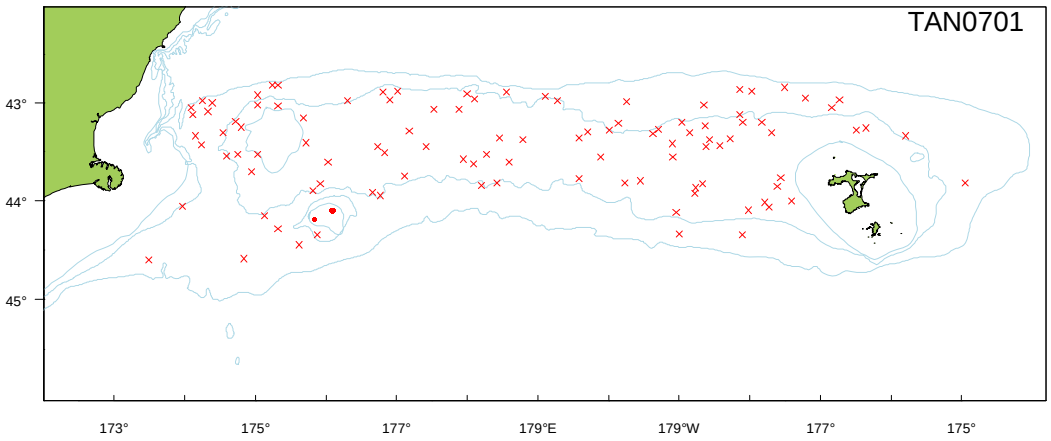

TAN0201
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

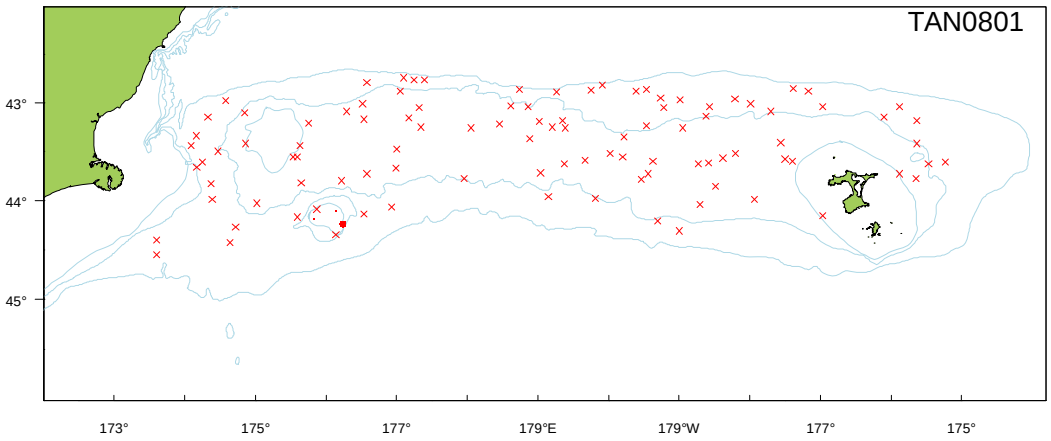

TAN0301
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

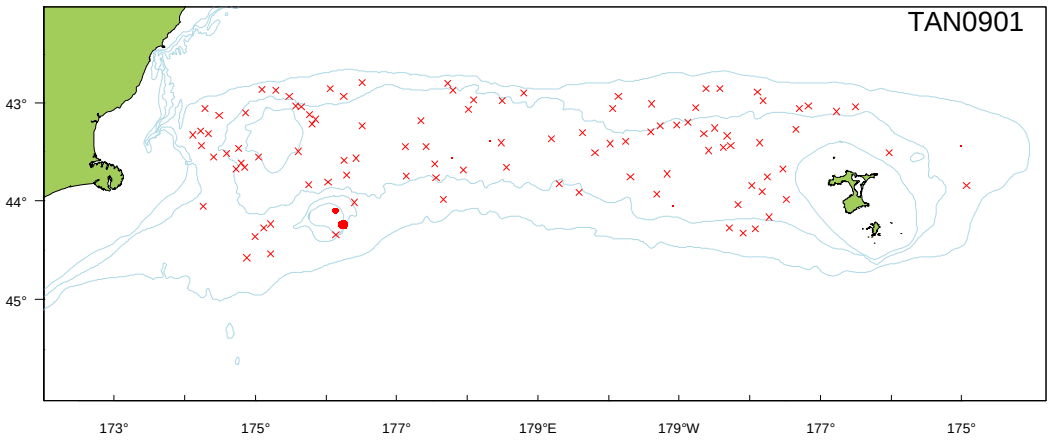

TAN0401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

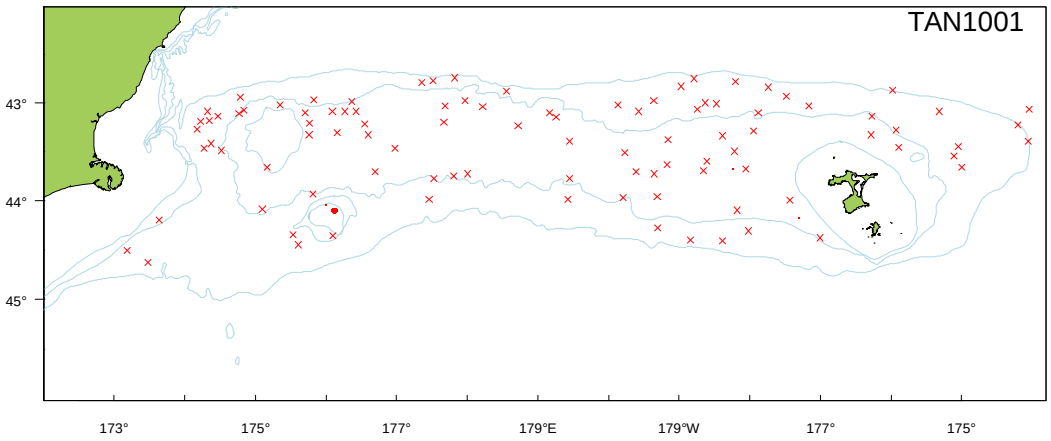

TAN0501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

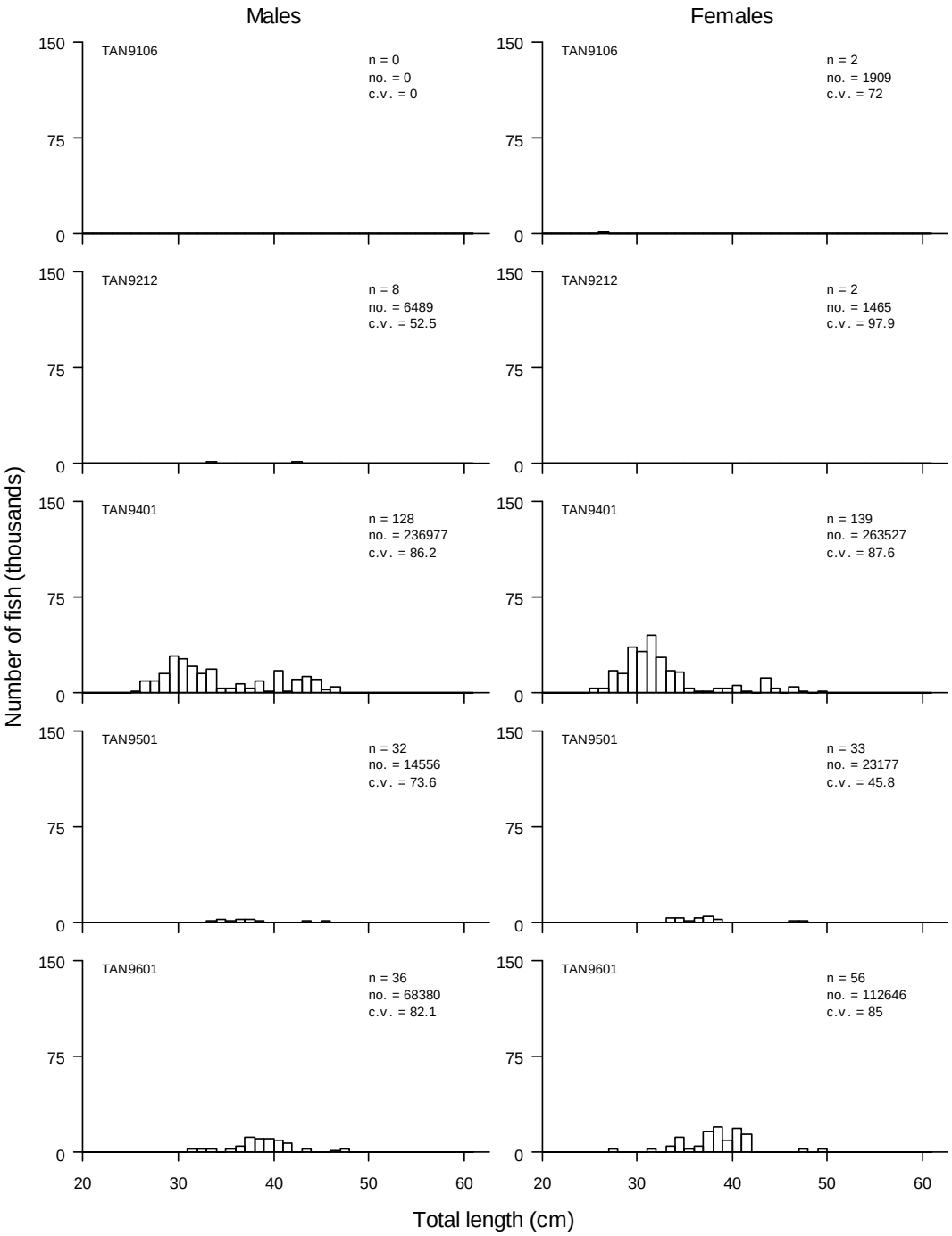

TAN0701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

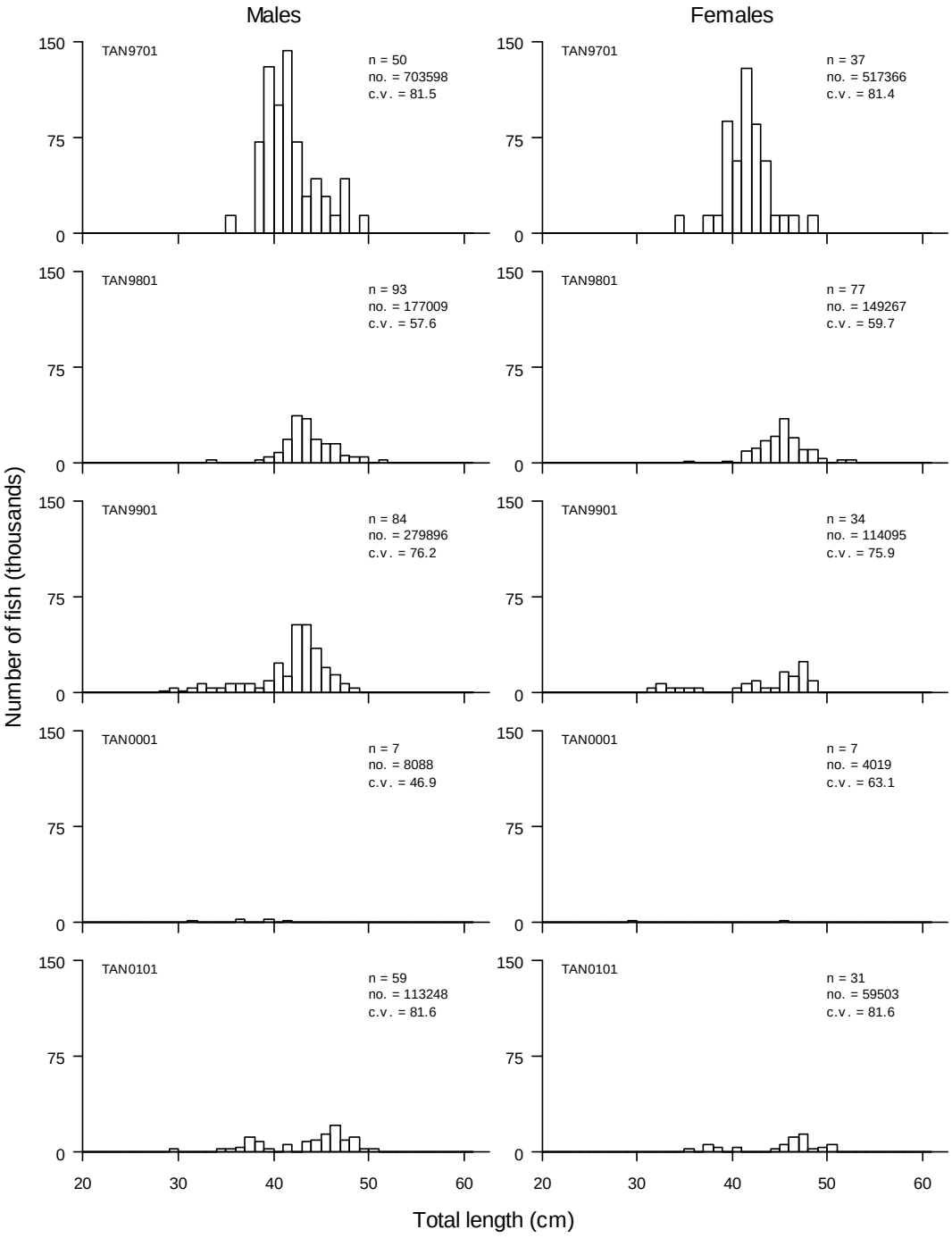

TAN0801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

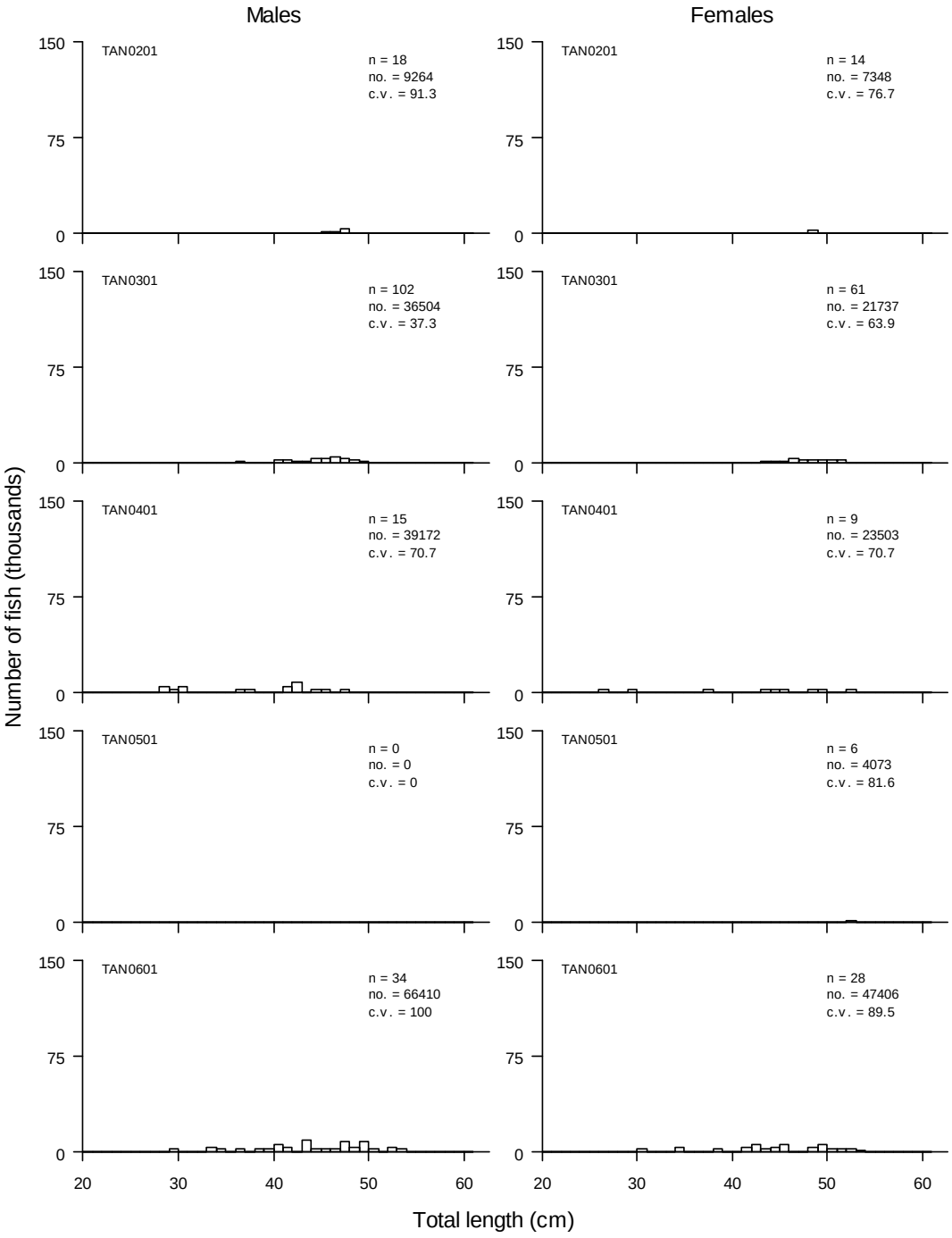

TAN0901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

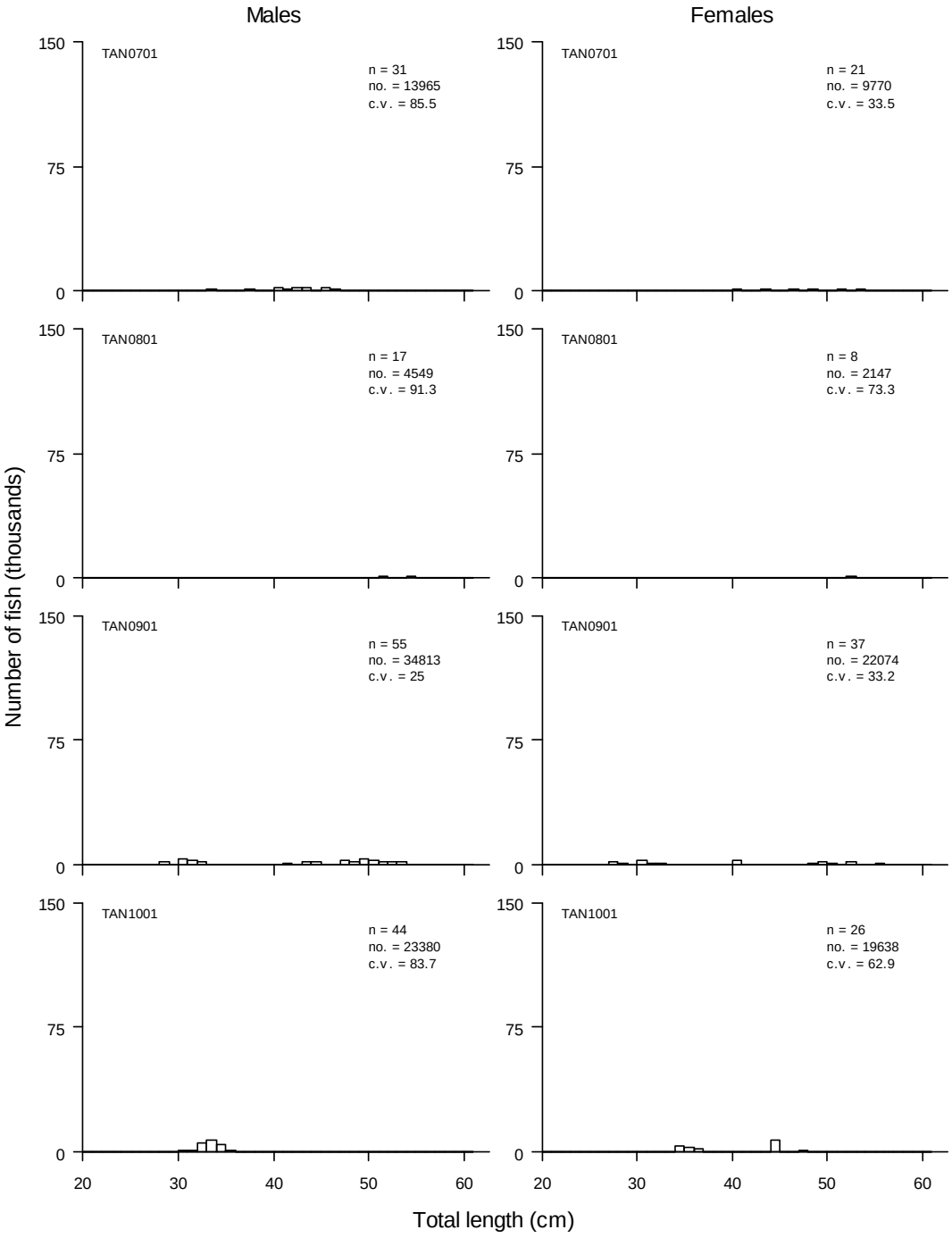

TAN1001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

Length Frequencies




Males
Females
TAN9701
n = 50
no. = 703598
c.v. = 81.5
TAN9701
n = 37
no. = 517366
c.v. = 81.4
TAN9801
n = 93
no. = 177009
c.v. = 57.6
TAN9801
n = 77
no. = 149267
c.v. = 59.7
TAN9901
n = 84
no. = 279896
c.v. = 76.2
TAN9901
n = 34
no. = 114095
c.v. = 75.9
TAN0001
n = 7
no. = 8088
c.v. = 46.9
TAN0001
n = 7
no. = 4019
c.v. = 63.1
TAN0101
n = 59
no. = 113248
c.v. = 81.6
TAN0101
n = 31
no. = 59503
c.v. = 81.6
Number of fish (thousands)
Total length (cm)


Males
Females
TAN0201
n = 18
no. = 9264
c.v. = 91.3
TAN0201
n = 14
no. = 7348
c.v. = 76.7
TAN0301
n = 102
no. = 36504
c.v. = 37.3
TAN0301
n = 61
no. = 21737
c.v. = 63.9
TAN0401
n = 15
no. = 39172
c.v. = 70.7
TAN0401
n = 9
no. = 23503
c.v. = 70.7
TAN0501
n = 0
no. = 0
c.v. = 0
TAN0501
n = 6
no. = 4073
c.v. = 81.6
TAN0601
n = 34
no. = 66410
c.v. = 100
TAN0601
n = 28
no. = 47406
c.v. = 89.5
Number of fish (thousands)
Total length (cm)
0
75
150
20
30
40
50
60


Males
Females
TAN0701
n = 31
no. = 13965
c.v. = 85.5
TAN0701
n = 21
no. = 9770
c.v. = 33.5
TAN0801
n = 17
no. = 4549
c.v. = 91.3
TAN0801
n = 8
no. = 2147
c.v. = 73.3
TAN0901
n = 55
no. = 34813
c.v. = 25
TAN0901
n = 37
no. = 22074
c.v. = 33.2
TAN1001
n = 44
no. = 23380
c.v. = 83.7
TAN1001
n = 26
no. = 19638
c.v. = 62.9
Number of fish (thousands)
0
75
150
20
30
40
50
60
Total length (cm)

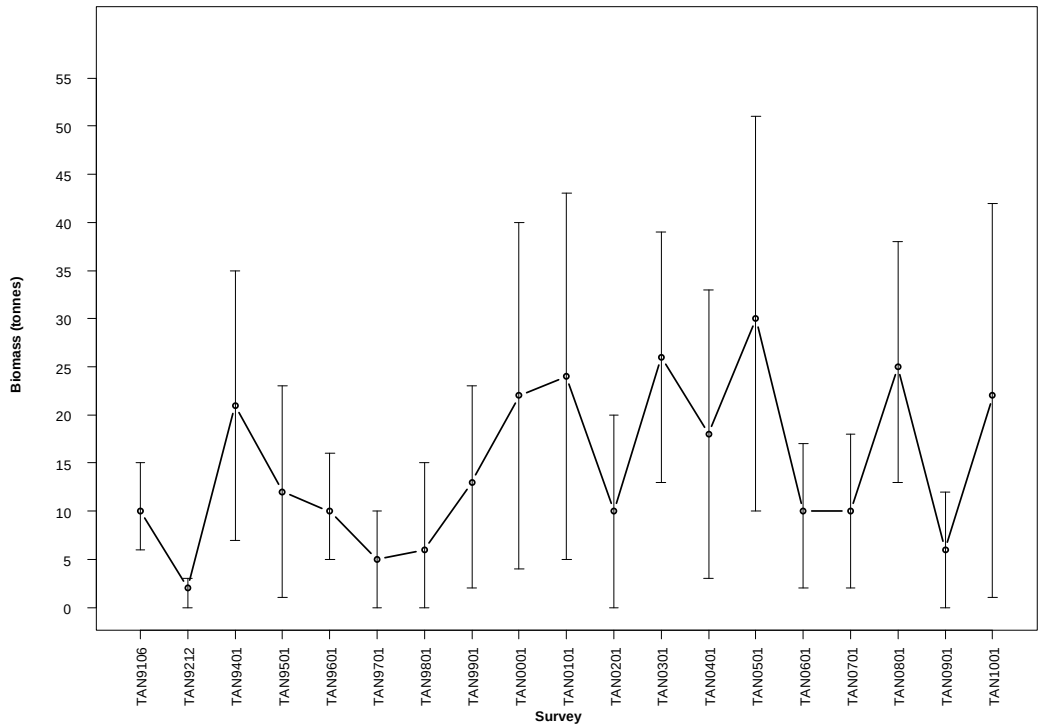
Scaly gurnard (*Lepidotrigla brachyoptera*) SCG

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	200.9
Number measured	120
Length range (mean) (cm)	–
Number weighed	0
Length-weight parameters a, b (r^2)	–

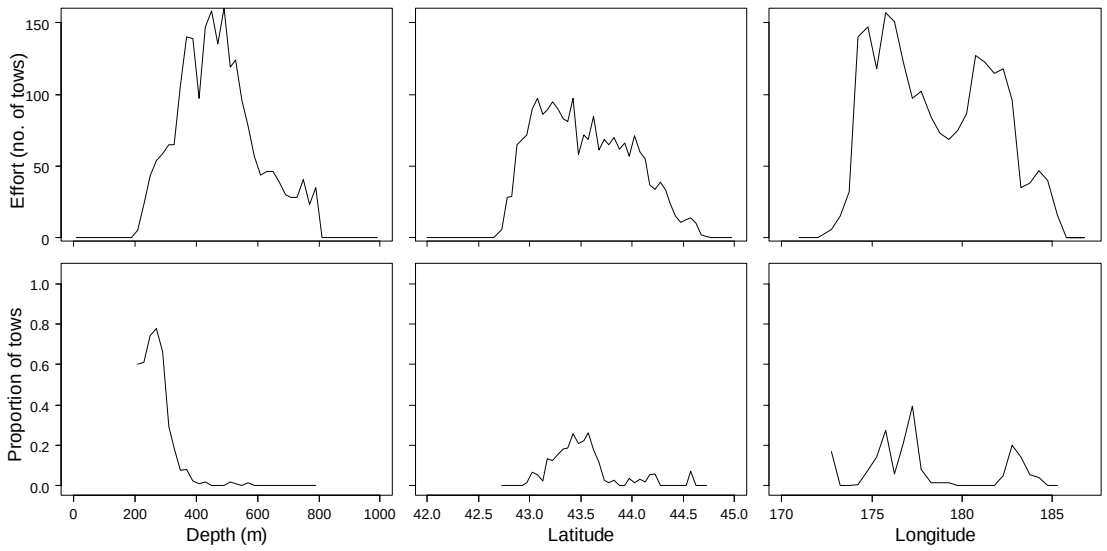
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **north**.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	10	23
1993	2	39
1994	21	34
1995	12	45
1996	10	27
1997	5	57
1998	6	75
1999	13	41
2000	22	40
2001	24	39
2002	10	48
2003	26	25
2004	18	41
2005	30	34
2006	10	41
2007	10	41
2008	25	24
2009	6	52
2010	22	48



Distribution



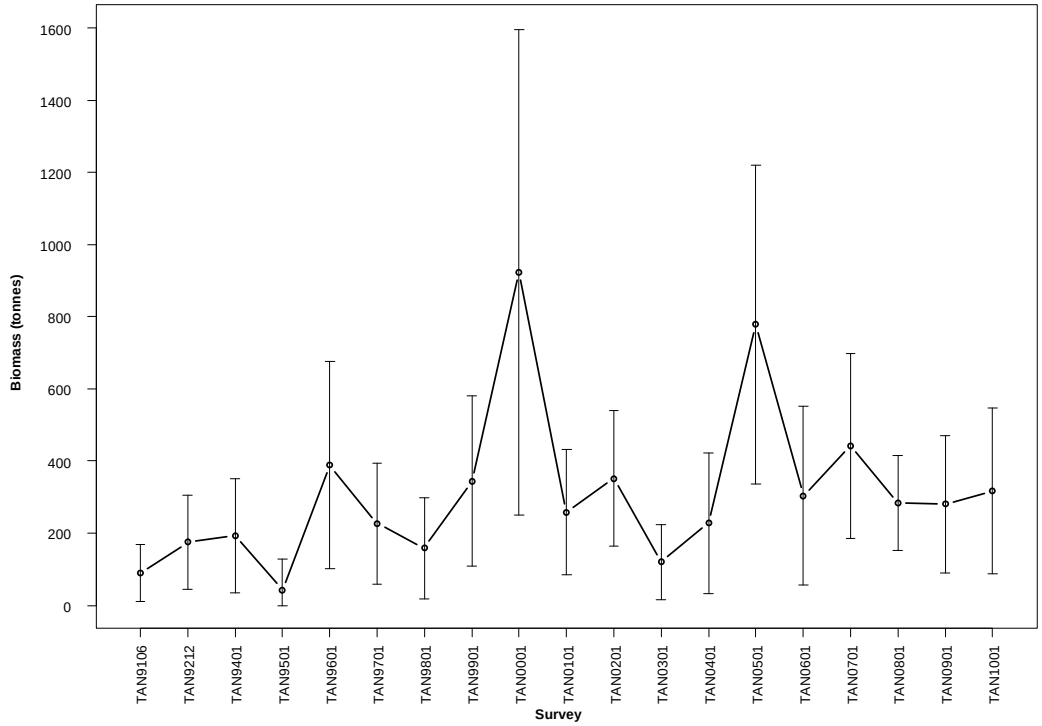
School shark (*Galeorhinus galeus*) SCH

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	3 549.8
Number measured	222
Length range (mean) (cm, TL)	86–173 (141)
Number weighed	162
Length-weight parameters a, b (r^2)	–

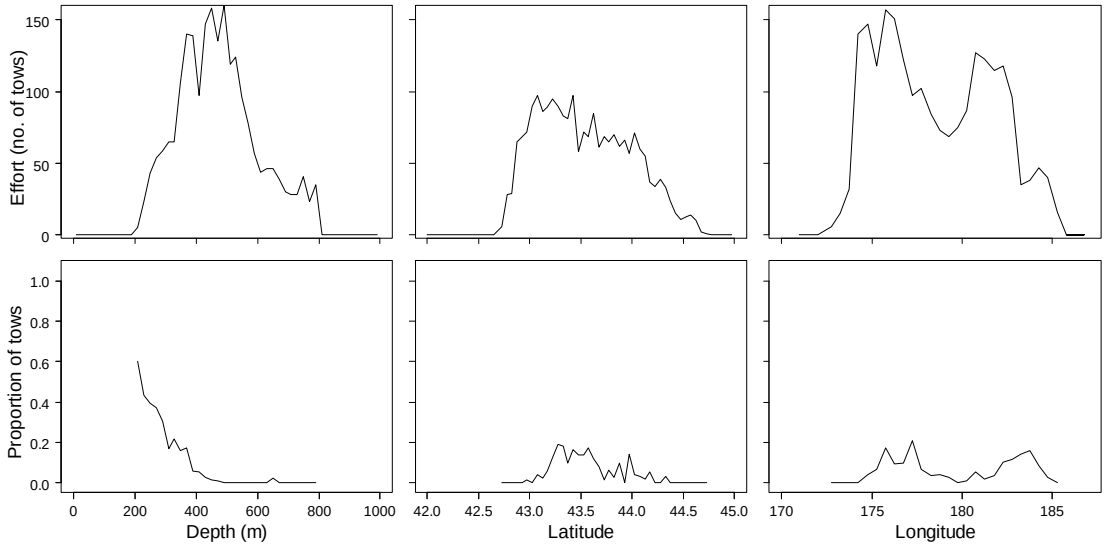
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **moderately well** estimated in the core survey area. Biomass has **increased** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	89	44
1993	175	37
1994	194	41
1995	43	100
1996	389	37
1997	226	37
1998	159	44
1999	344	34
2000	923	36
2001	258	34
2002	351	27
2003	121	43
2004	228	43
2005	778	28
2006	304	41
2007	442	29
2008	283	23
2009	281	34
2010	317	36



Distribution

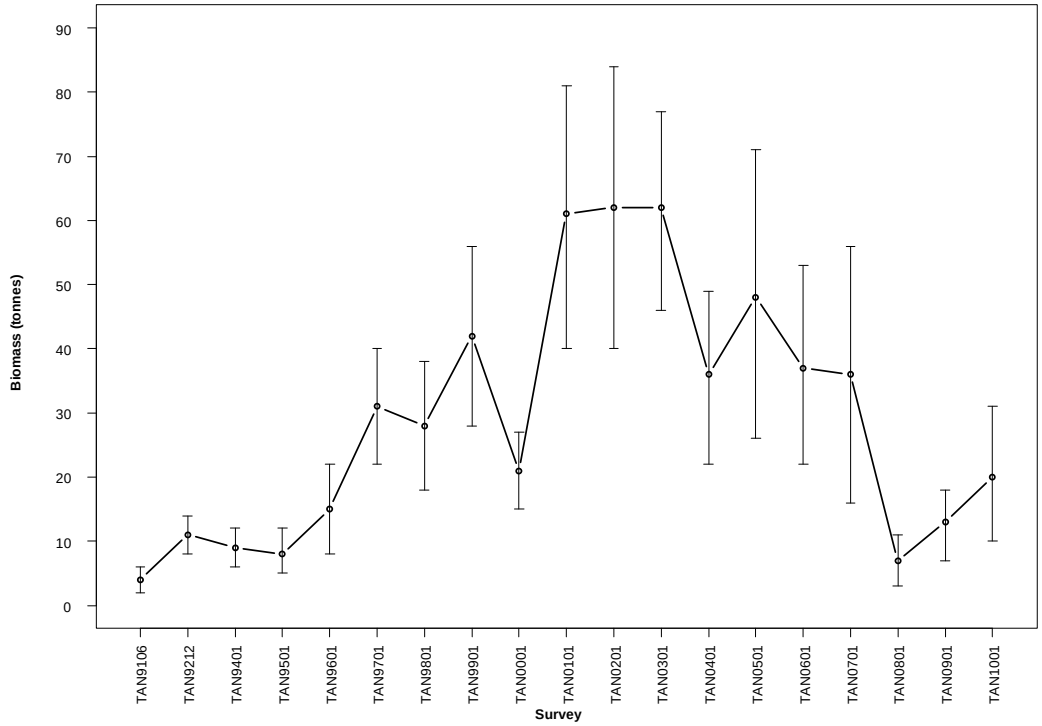


Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	336.5
Number measured	2 572
Length range (mean) (cm, CL)	1–10 (5)
Number weighed	1 371
Length-weight parameters a, b (r^2)	0.856774, 2.712507 (80.02)

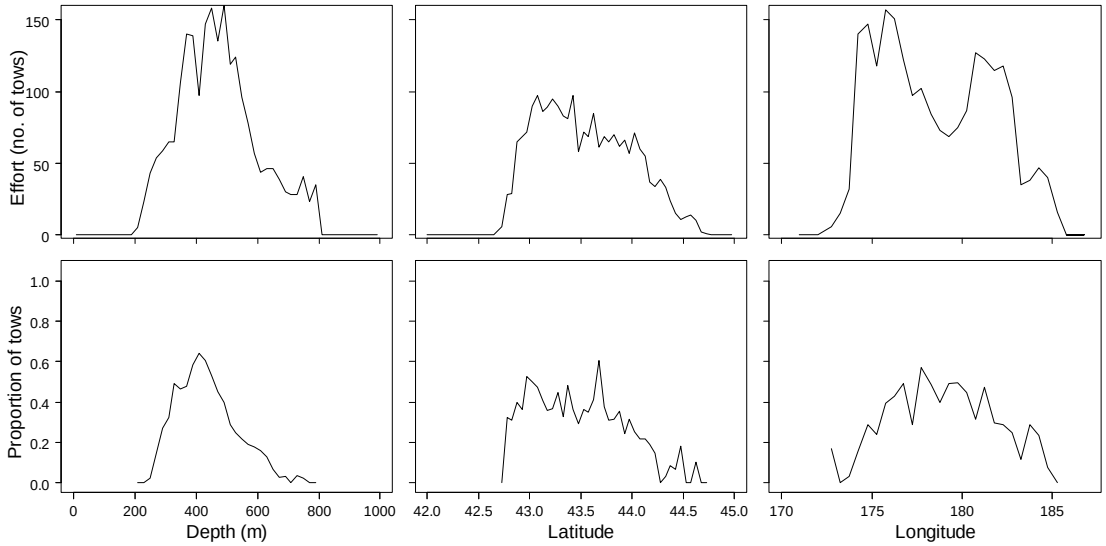
The core survey area and depth range **is** appropriate for this species. Biomass of this species is **very well** estimated in the core survey area. Biomass has **increased and then decreased** since the start of the time series. Length frequencies are usually **unimodal**. Mean length **shows no clear trend** since the start of the time series.

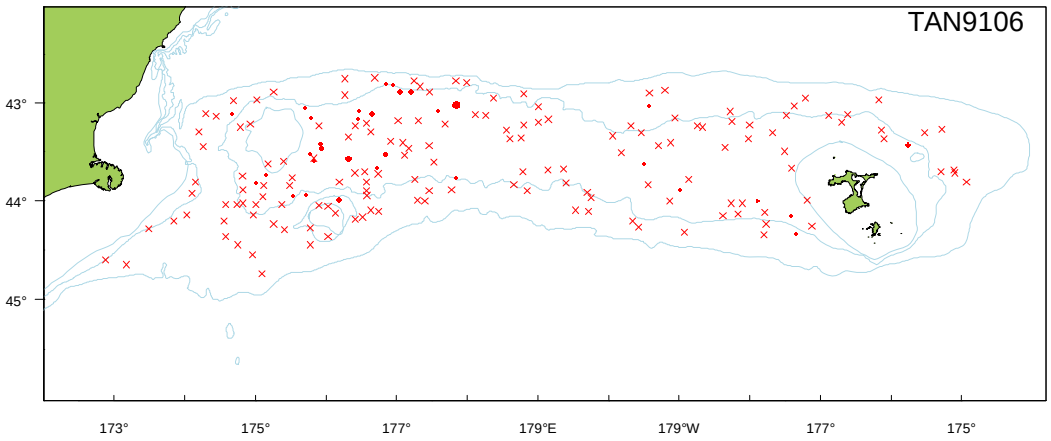
Relative biomass estimates and length summary

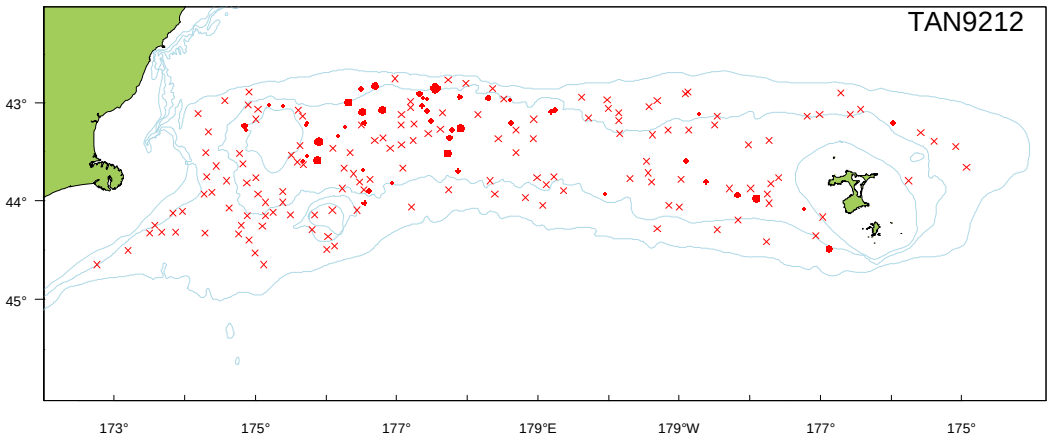
Year	Biomass (t)	cv (%)	Length (cm)			No. measured
			Min.	Max.	Mean	
1992	4	24	-	-	-	0
1993	11	14	-	-	-	0
1994	9	16	-	-	-	0
1995	8	21	-	-	-	0
1996	15	22	-	-	-	0
1997	31	15	2	6	5.2	136
1998	28	17	3	6	5.1	114
1999	42	17	2	7	5.3	197
2000	21	14	1	6	4.7	133
2001	61	17	2	10	5.1	333
2002	62	18	2	7	5.1	318
2003	62	13	2	7	5.0	357
2004	36	19	2	7	4.9	161
2005	48	23	2	7	4.8	209
2006	37	21	3	7	4.8	114
2007	36	28	2	7	5.1	135
2008	7	28	4	6	5.5	25
2009	13	23	3	7	4.9	48
2010	20	25	4	6	4.9	68

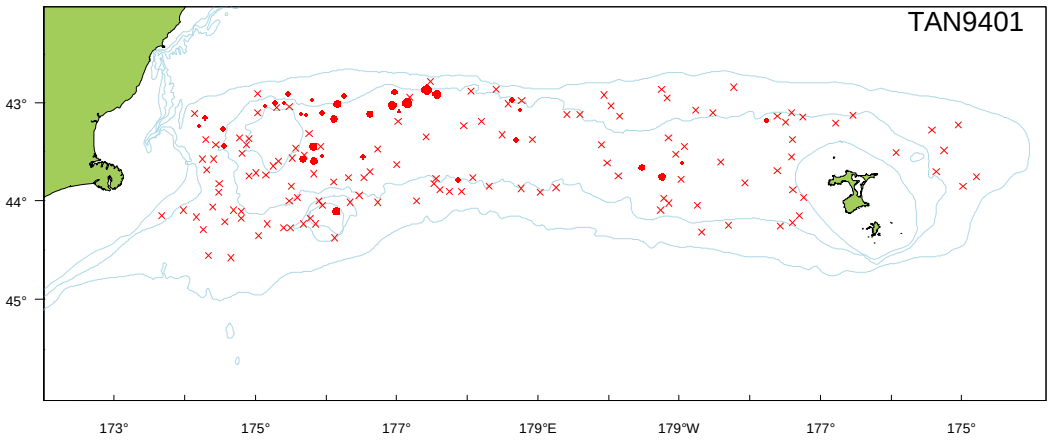


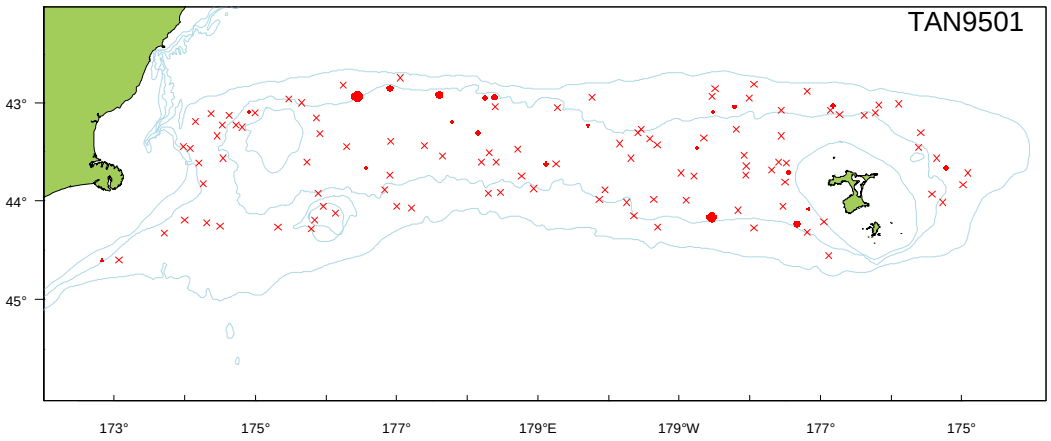
Distribution

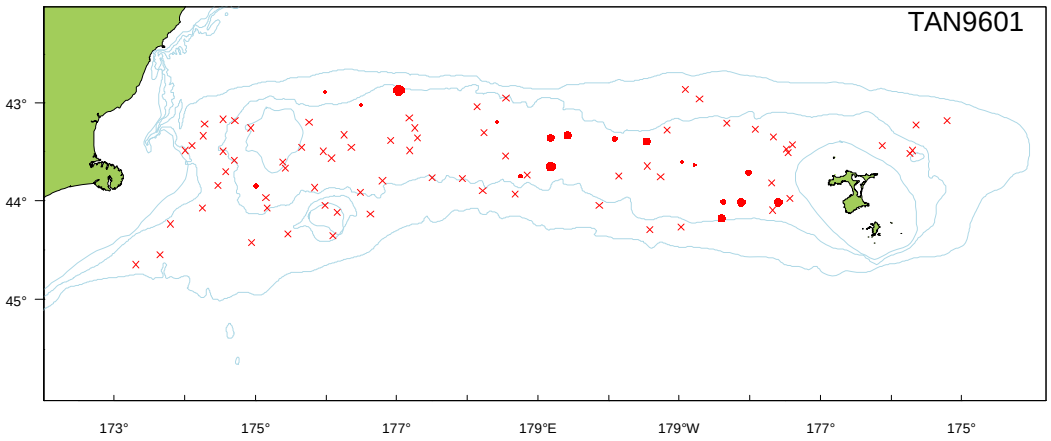


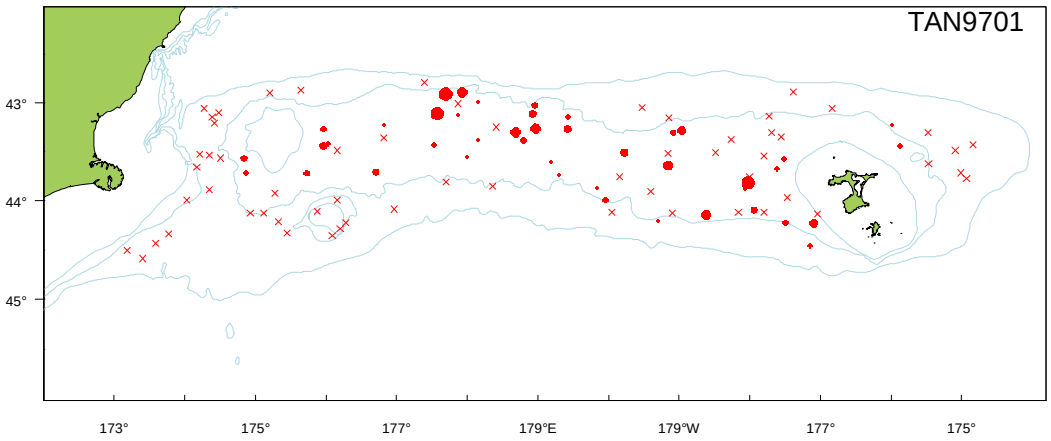

TAN9106
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

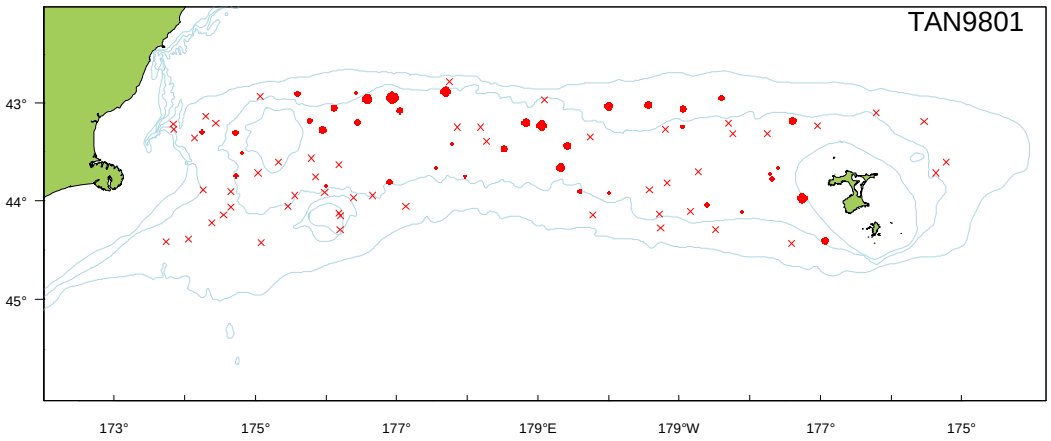

TAN9212
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

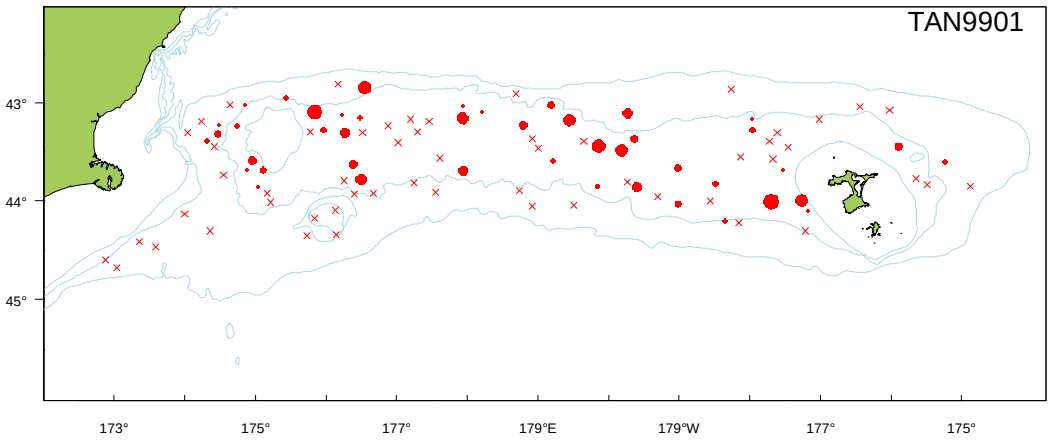

TAN9401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

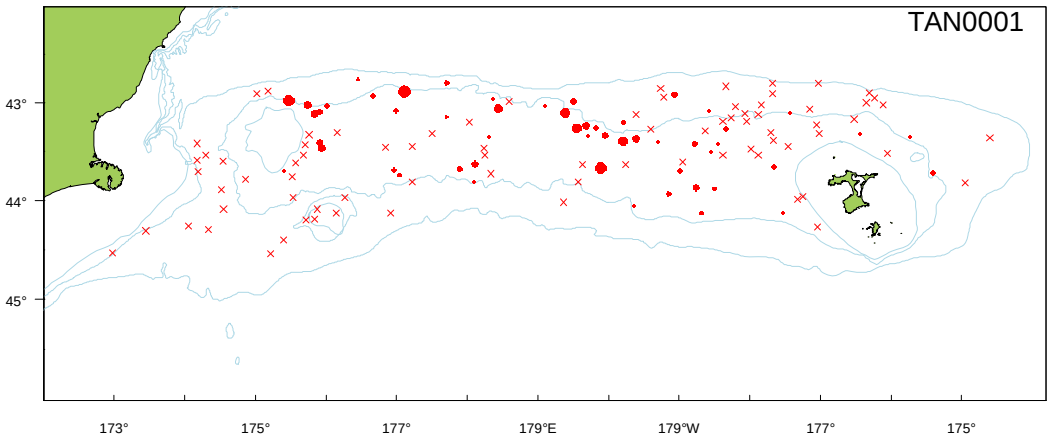

TAN9501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

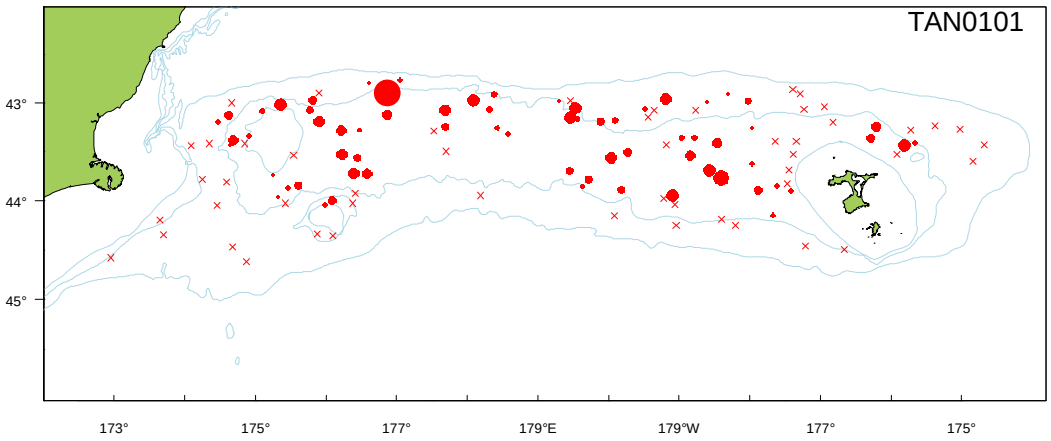

TAN9601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

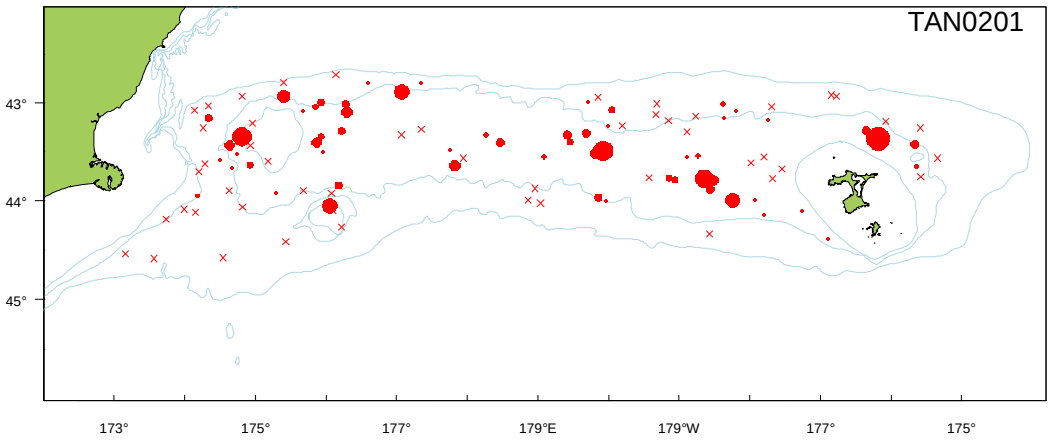

TAN9701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

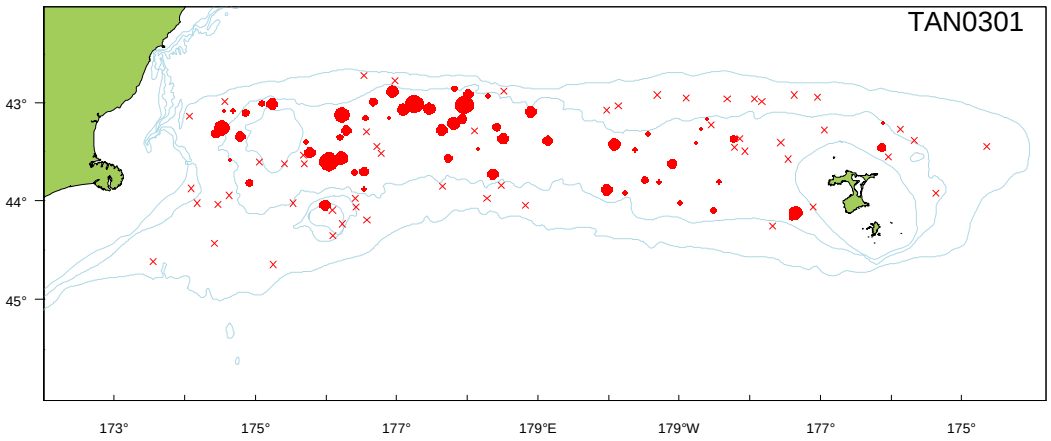

TAN9801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

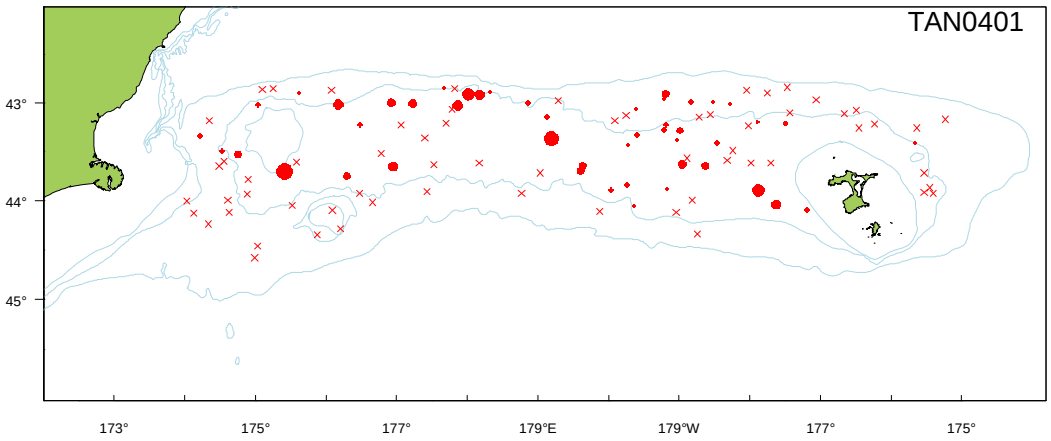

TAN9901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

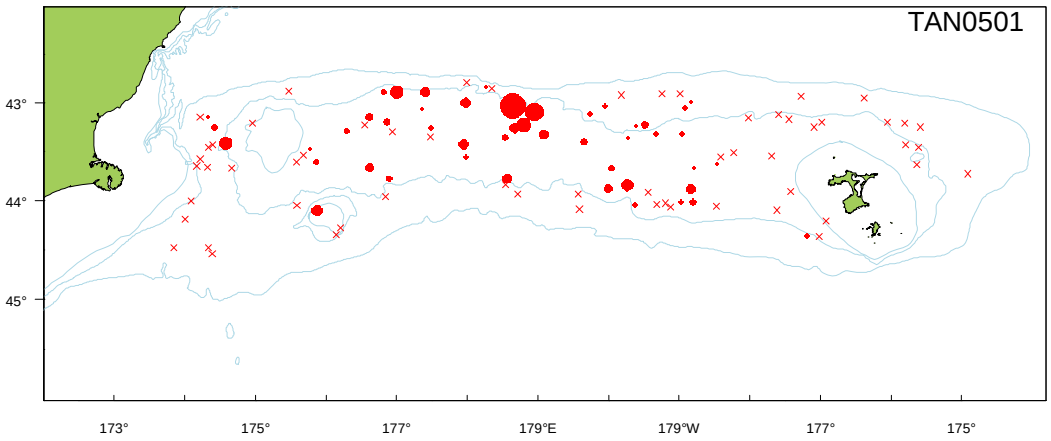

TAN0001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

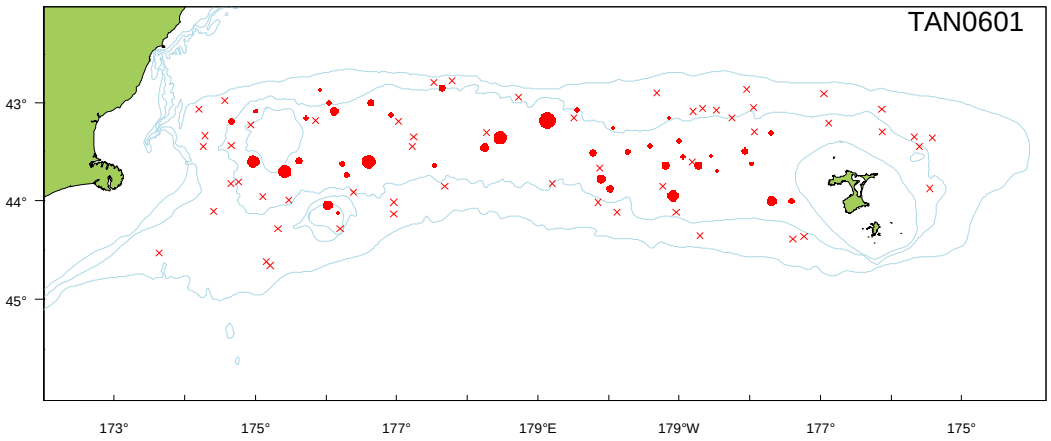

TAN0101
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

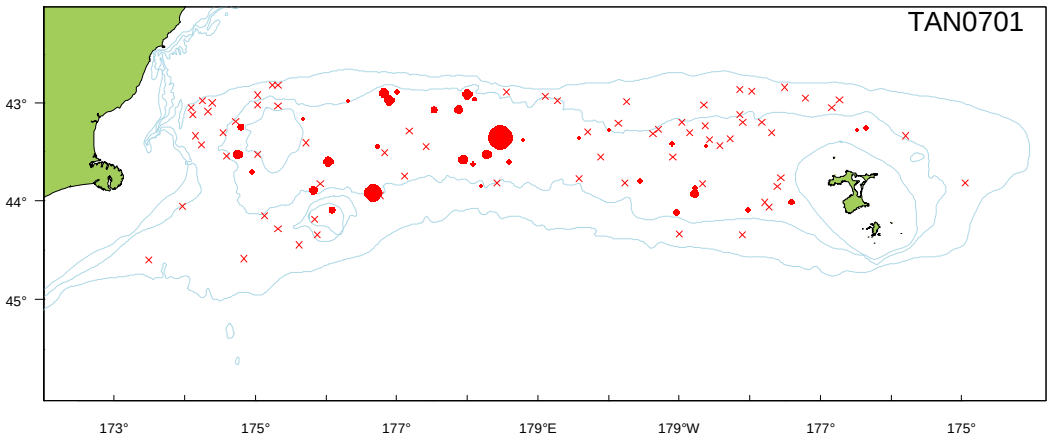

TAN0201
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

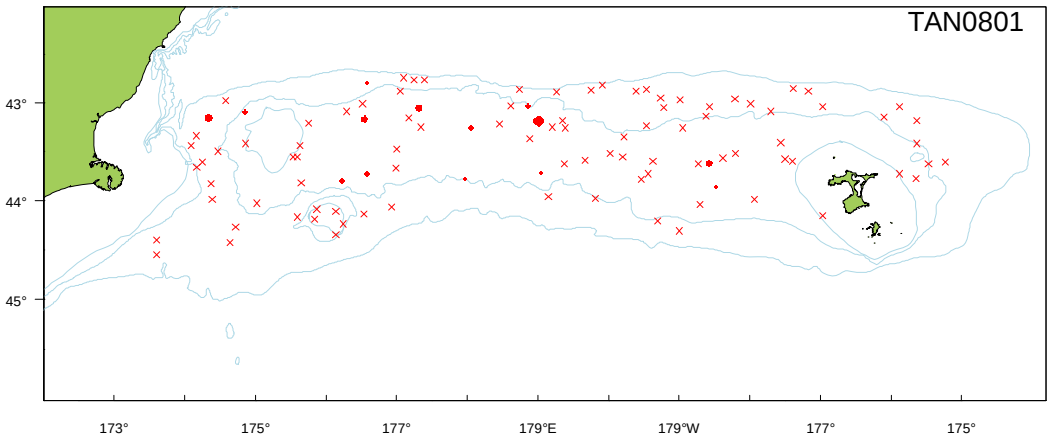

TAN0301
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

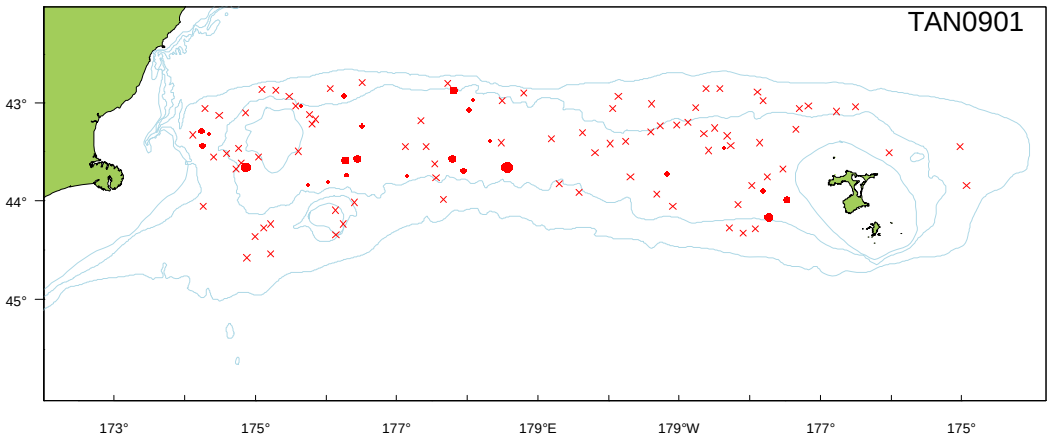

TAN0401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

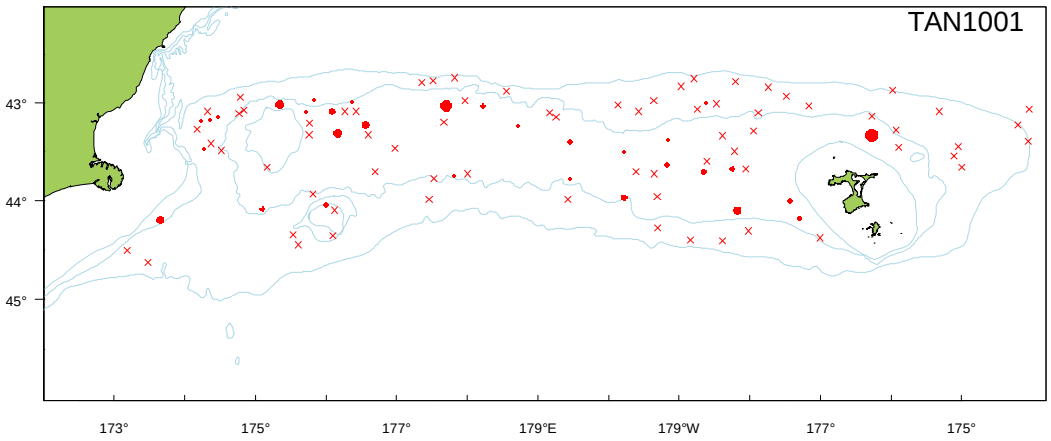

TAN0501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

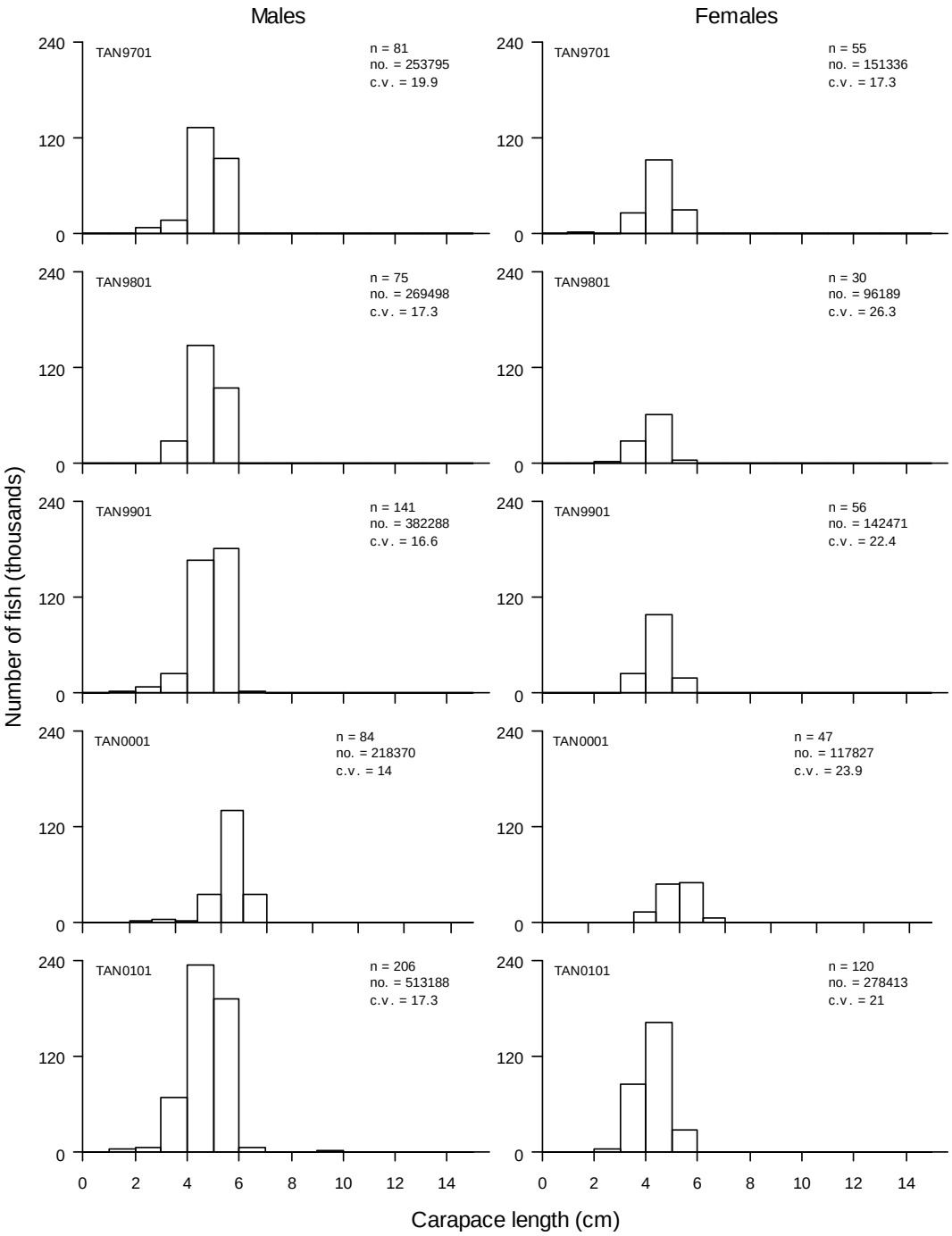

TAN0701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

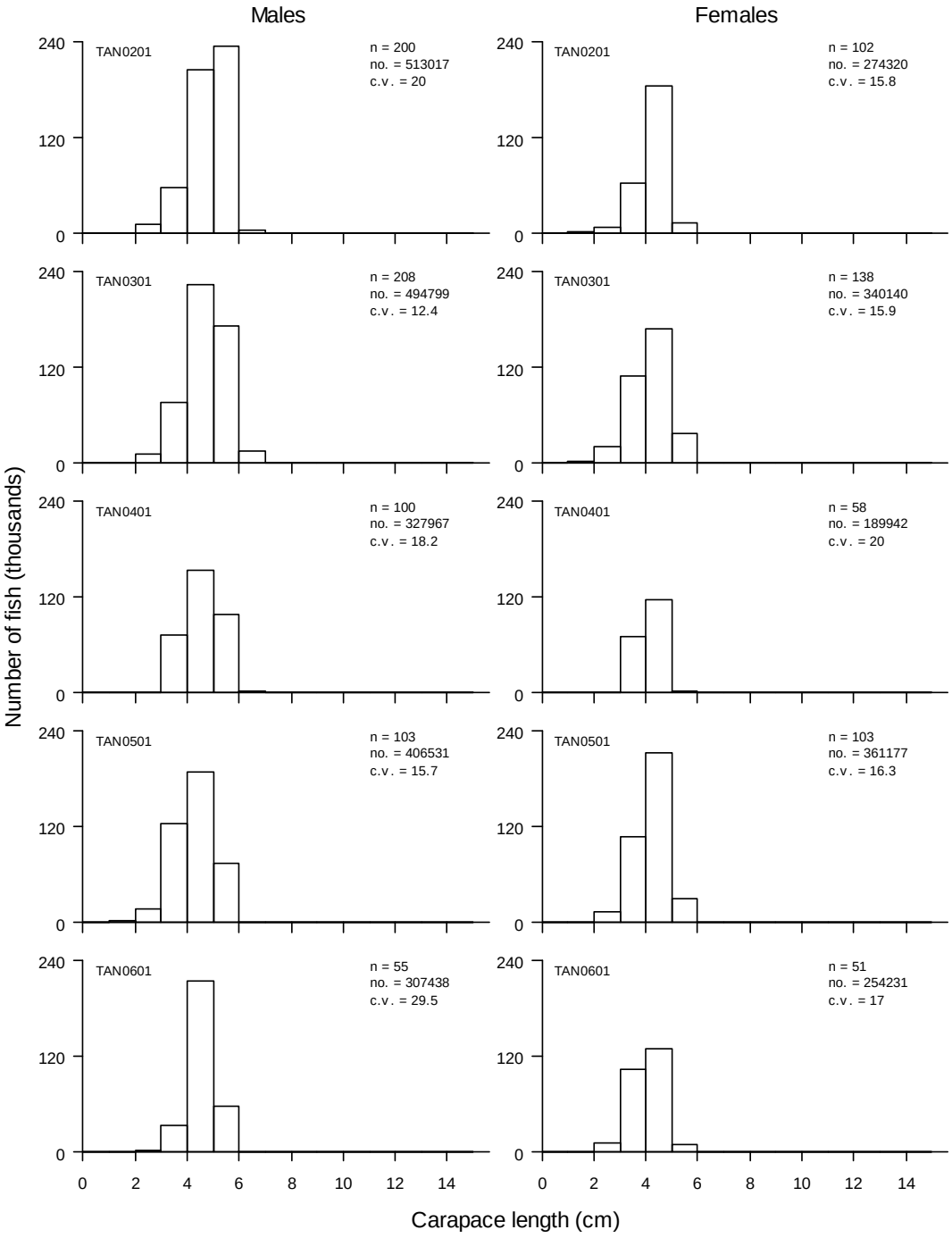

TAN0801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

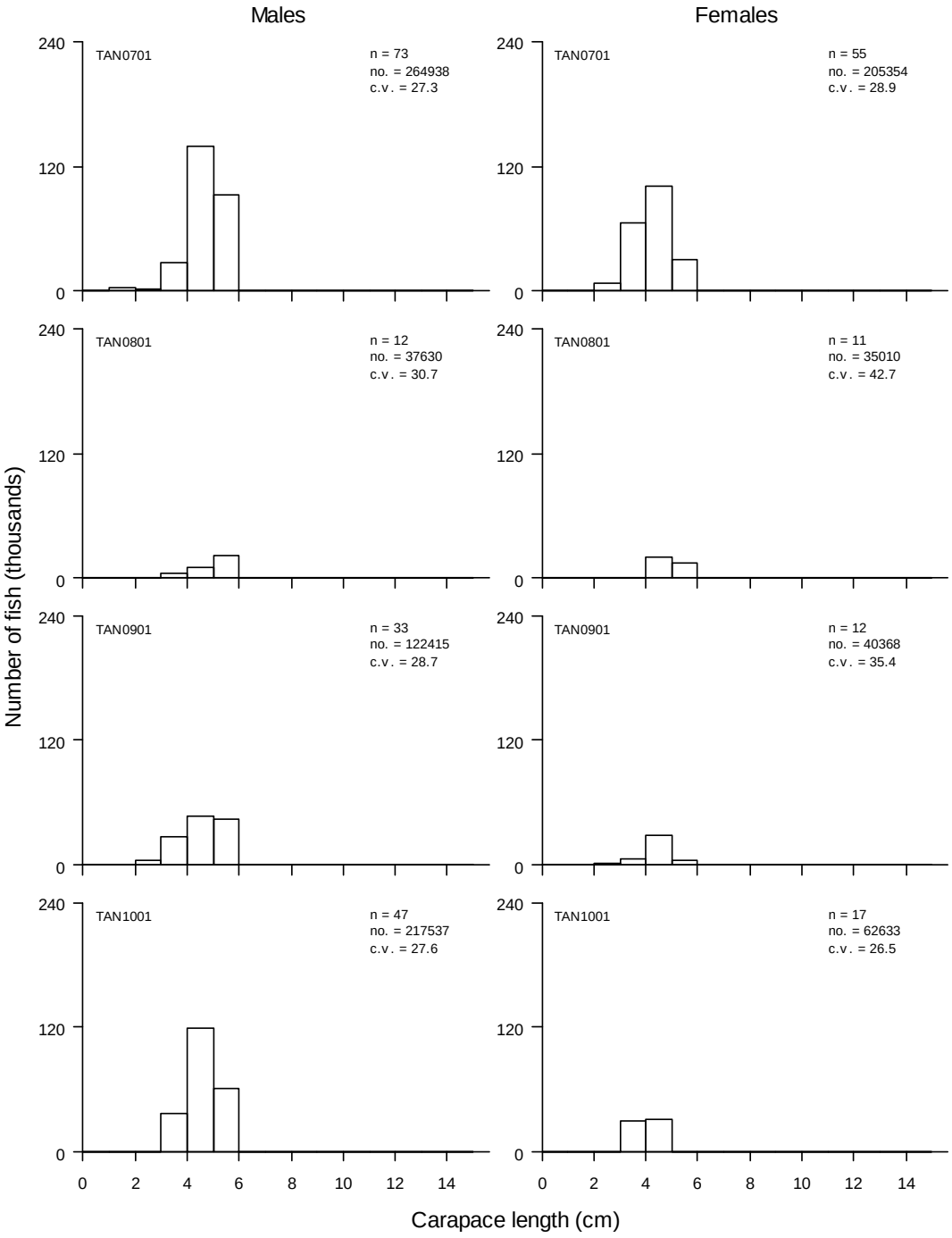

TAN0901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN1001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

Length Frequencies




Males
Females
TAN0201
n = 200
no. = 513017
c.v. = 20
TAN0201
n = 102
no. = 274320
c.v. = 15.8
TAN0301
n = 208
no. = 494799
c.v. = 12.4
TAN0301
n = 138
no. = 340140
c.v. = 15.9
TAN0401
n = 100
no. = 327967
c.v. = 18.2
TAN0401
n = 58
no. = 189942
c.v. = 20
TAN0501
n = 103
no. = 406531
c.v. = 15.7
TAN0501
n = 103
no. = 361177
c.v. = 16.3
TAN0601
n = 55
no. = 307438
c.v. = 29.5
TAN0601
n = 51
no. = 254231
c.v. = 17
Number of fish (thousands)
0
120
240
0
2
4
6
8
10
12
14
Carapace length (cm)


Males
Females
TAN0701
n = 73
no. = 264938
c.v. = 27.3
TAN0701
n = 55
no. = 205354
c.v. = 28.9
TAN0801
n = 12
no. = 37630
c.v. = 30.7
TAN0801
n = 11
no. = 35010
c.v. = 42.7
TAN0901
n = 33
no. = 122415
c.v. = 28.7
TAN0901
n = 12
no. = 40368
c.v. = 35.4
TAN1001
n = 47
no. = 217537
c.v. = 27.6
TAN1001
n = 17
no. = 62633
c.v. = 26.5
Number of fish (thousands)
0
120
240
0 2 4 6 8 10 12 14
Carapace length (cm)

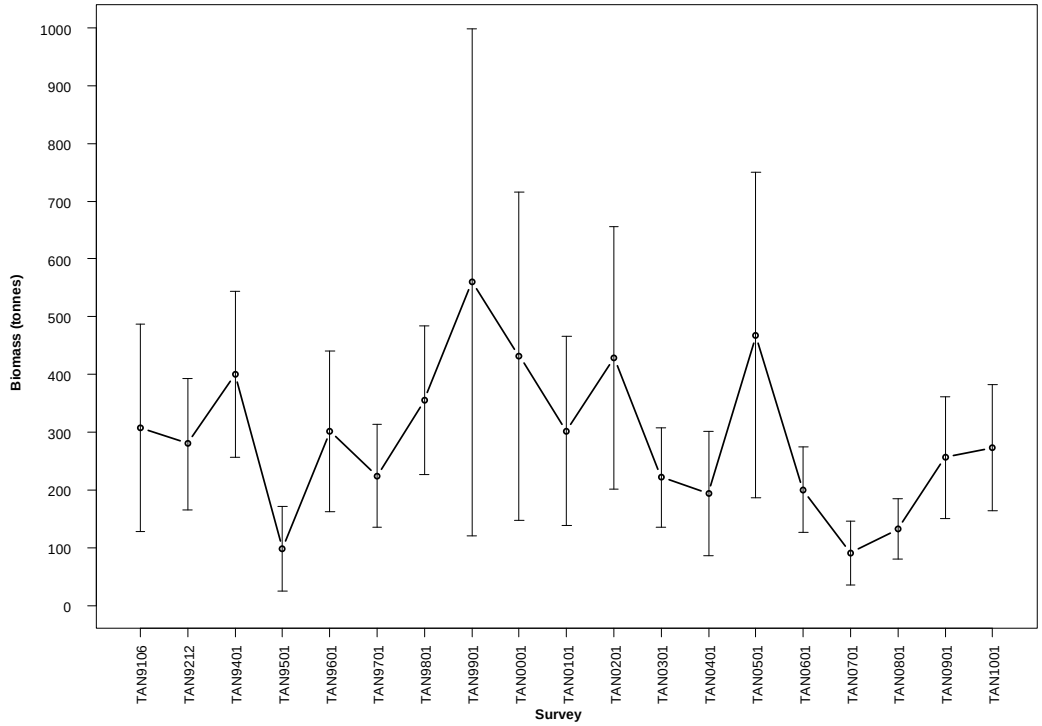
Swollenhead conger (*Bassanago bulbiceps*) SCO

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	2 759.5
Number measured	51
Length range (mean) (cm, TL)	74–104 (88.2)
Number weighed	21
Length-weight parameters a, b (r^2)	–

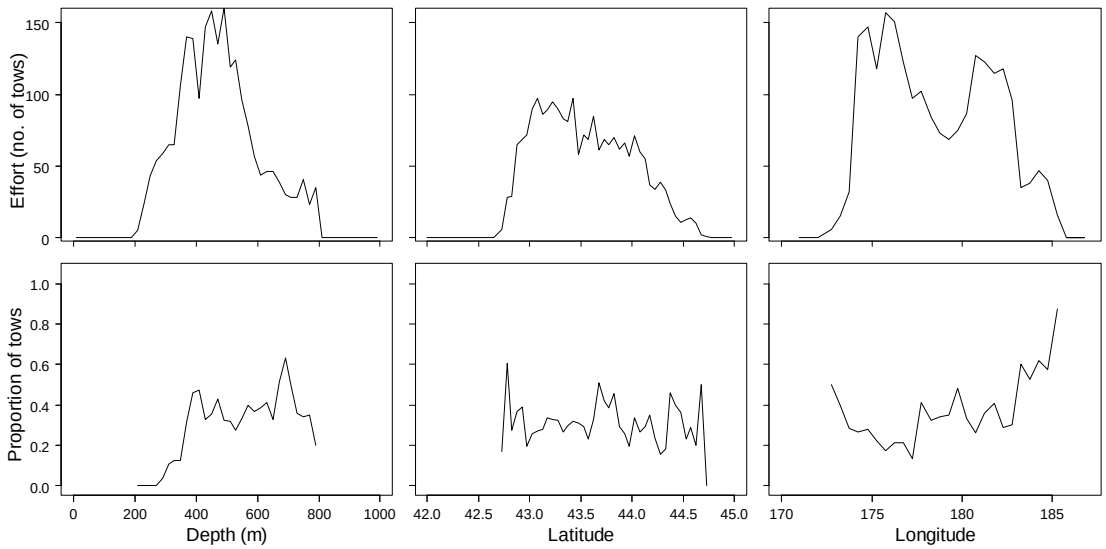
The core survey area and depth range **is** appropriate for this species. Biomass of this species is **well** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	308	29
1993	280	20
1994	400	18
1995	98	38
1996	302	23
1997	224	20
1998	355	18
1999	560	39
2000	432	33
2001	302	27
2002	429	26
2003	222	19
2004	194	28
2005	468	30
2006	200	18
2007	91	30
2008	132	20
2009	256	21
2010	273	20



Distribution

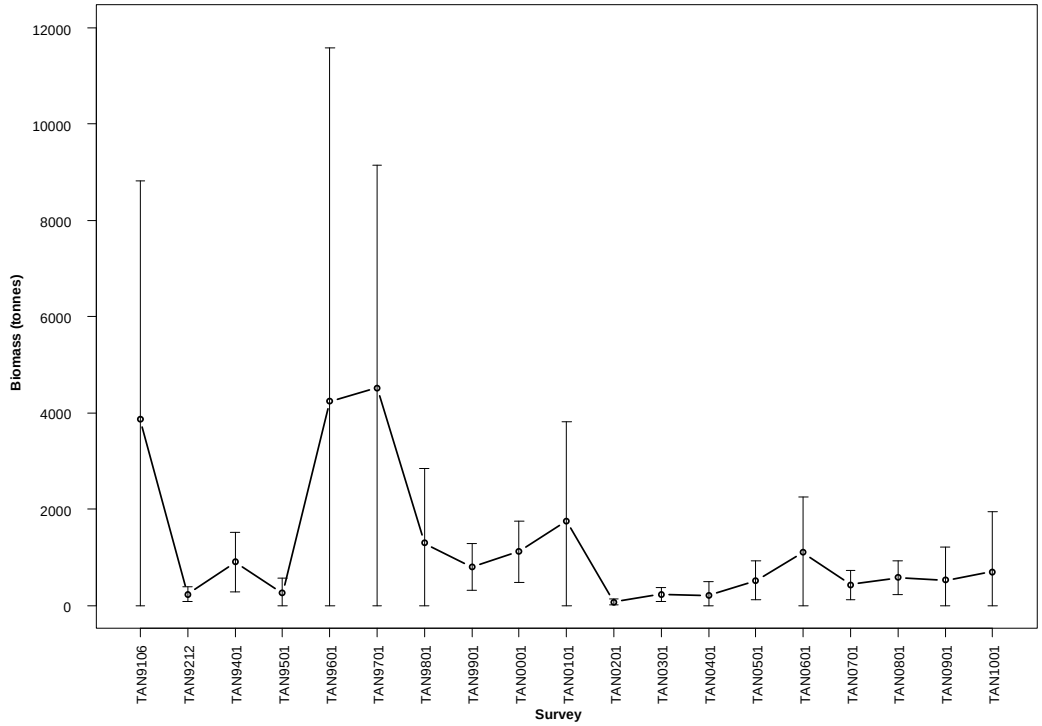


Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	14 207.9
Number measured	1 277
Length range (mean) (cm, TL)	15–28 (21.4)
Number weighed	75
Length-weight parameters a, b (r^2)	0.005634, 3.326381 (87.57)

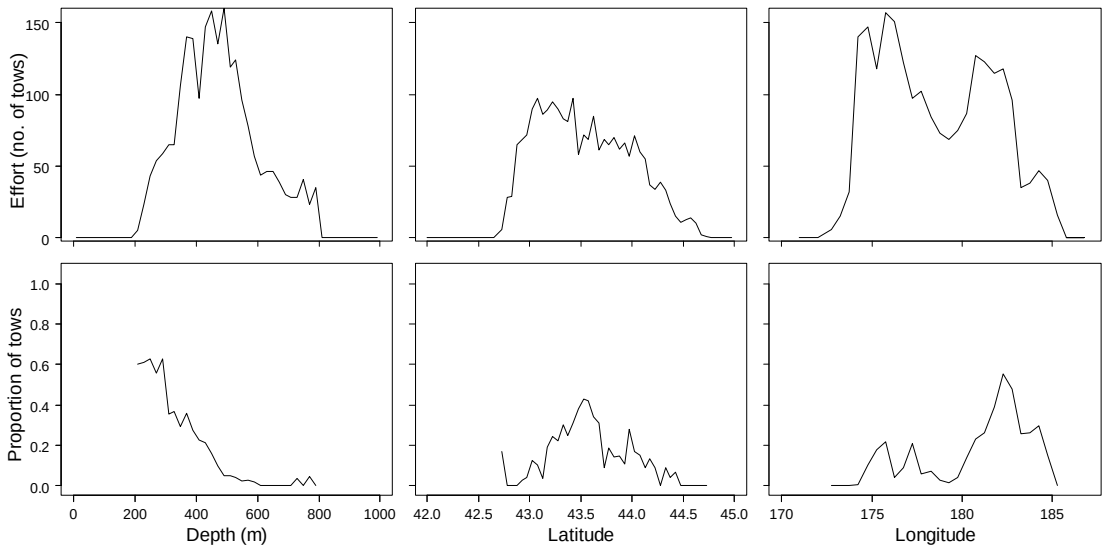
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **east**. Length frequencies are usually **unimodal**. Mean length **shows no clear trend** since the start of the time series.

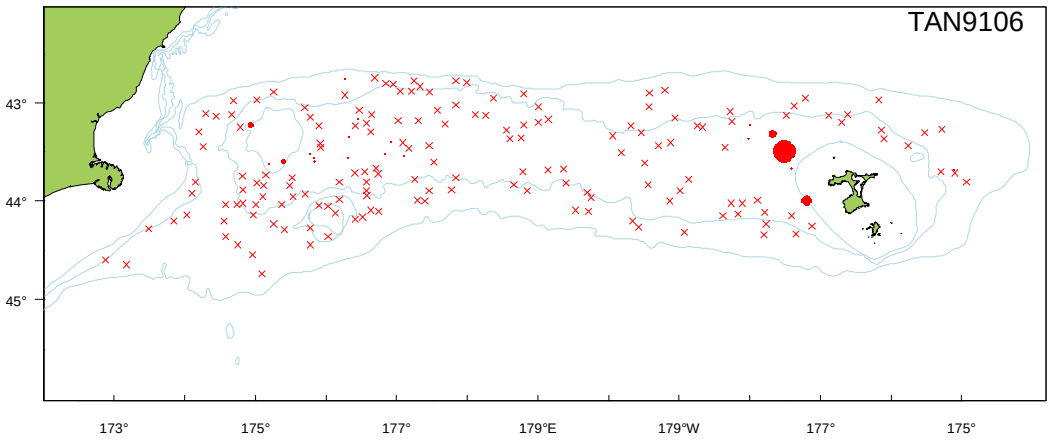
Relative biomass estimates and length summary

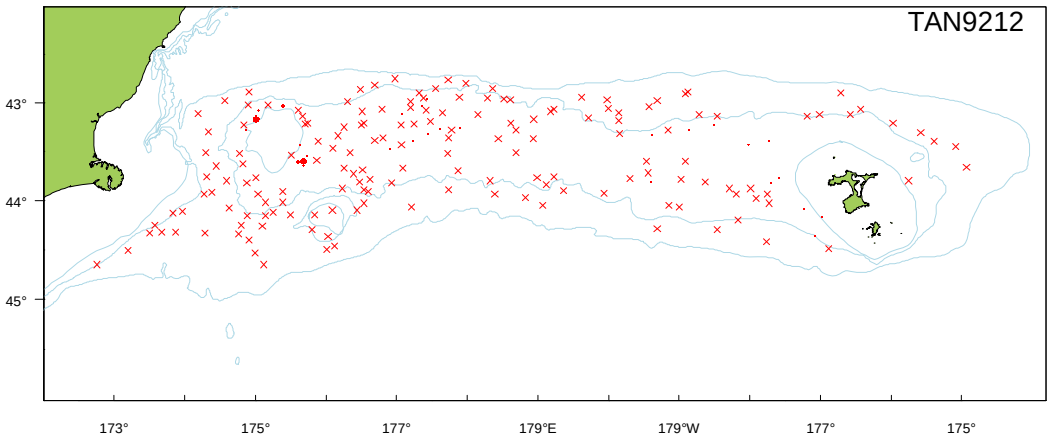
			Length (cm)			No.
Year	**Biomass (t)**	**cv (%)**	**Min.**	**Max.**	**Mean**	**measured**
1992	3 871	64	-	-	-	0
1993	230	34	-	-	-	0
1994	901	34	-	-	-	0
1995	262	56	-	-	-	0
1996	4 244	86	-	-	-	0
1997	4 518	51	-	-	-	0
1998	1 298	60	18	26	22.0	99
1999	802	31	-	-	-	0
2000	1 114	28	-	-	-	0
2001	1 756	59	20	26	23.0	2
2002	68	45	21	27	22.8	32
2003	228	31	15	26	19.4	127
2004	210	67	-	-	-	0
2005	518	39	-	-	-	0
2006	1 104	52	-	-	-	0
2007	426	36	-	-	-	0
2008	581	30	-	-	-	0
2009	522	67	17	26	21.4	163
2010	696	90	17	28	22.8	114

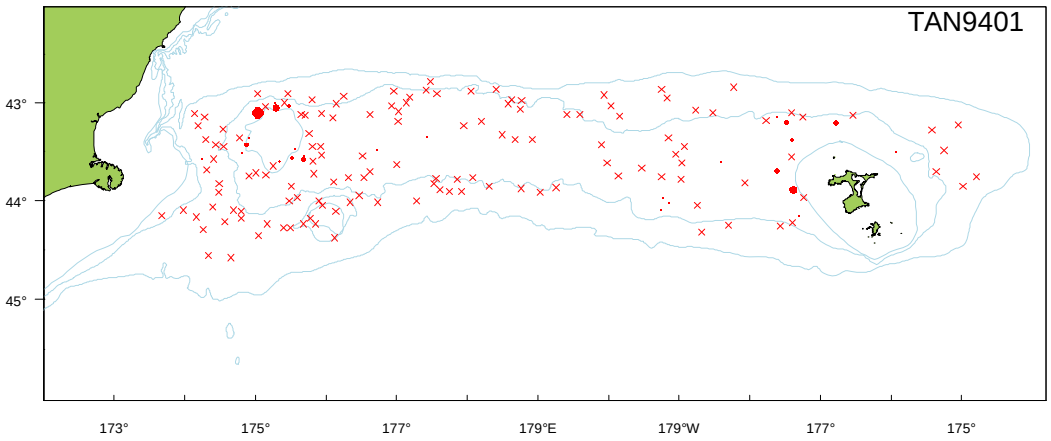


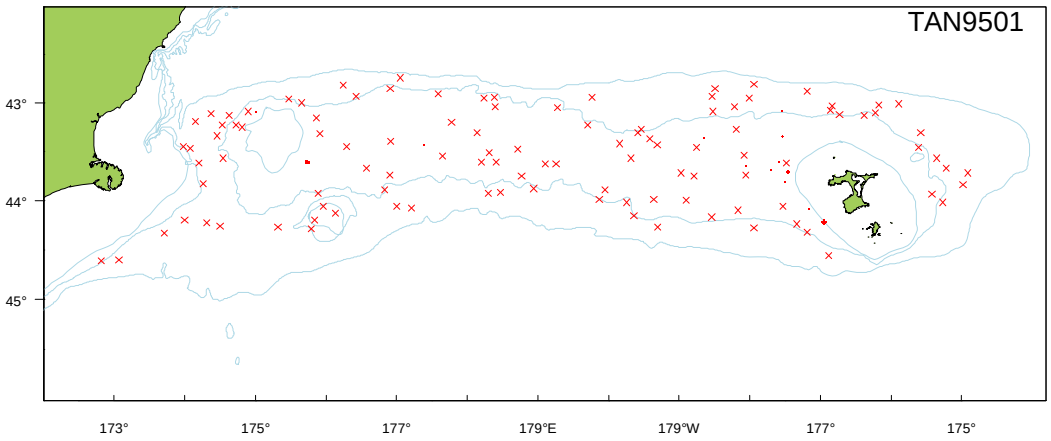
Distribution

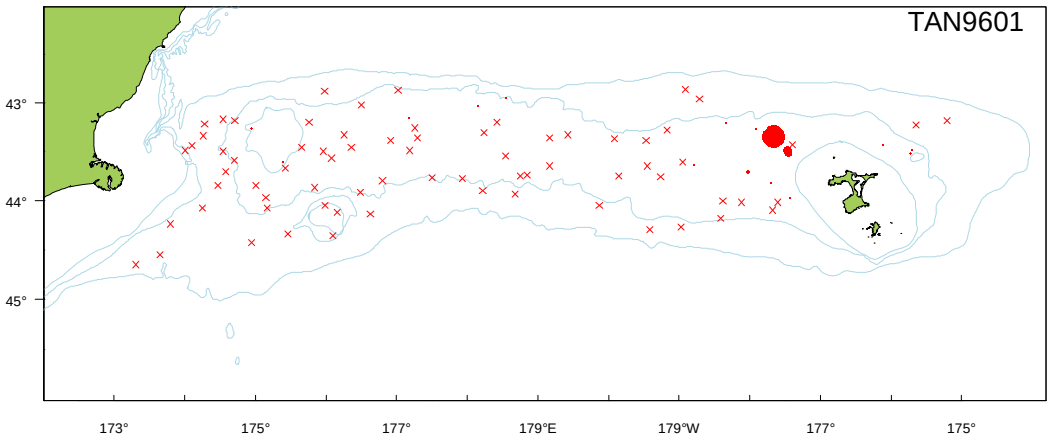


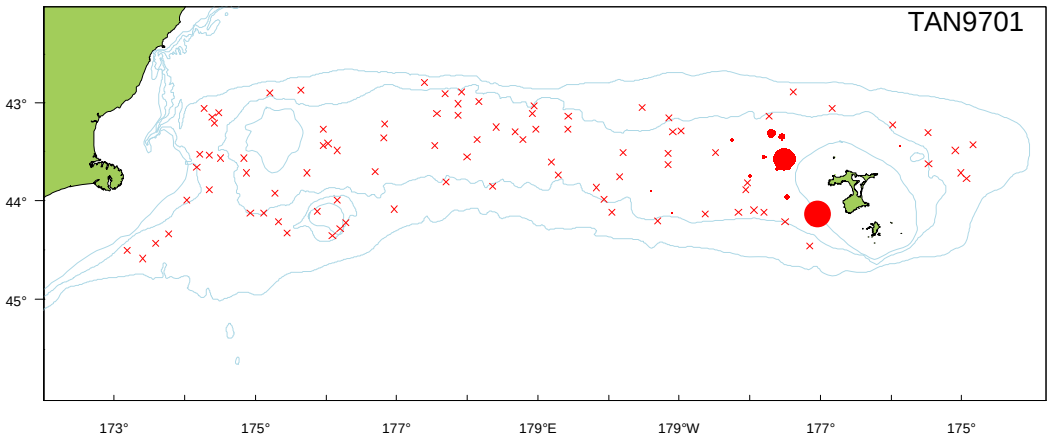

TAN9106
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

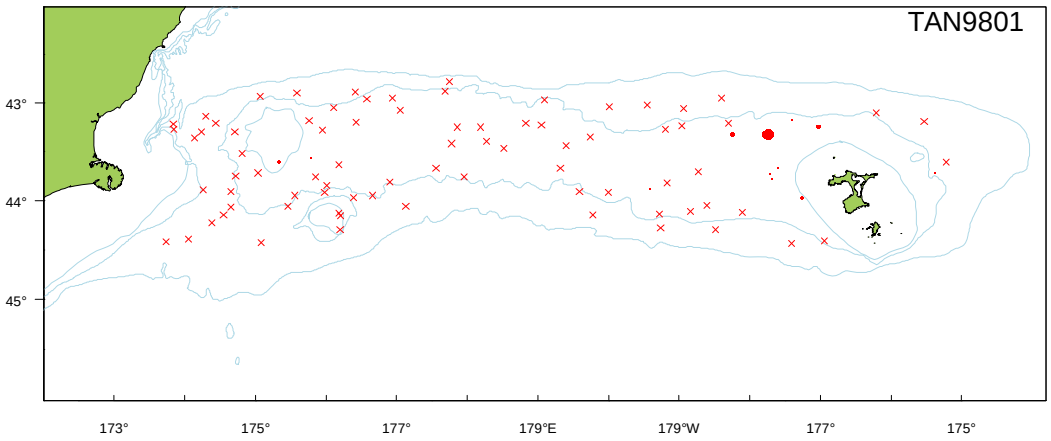

TAN9212
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

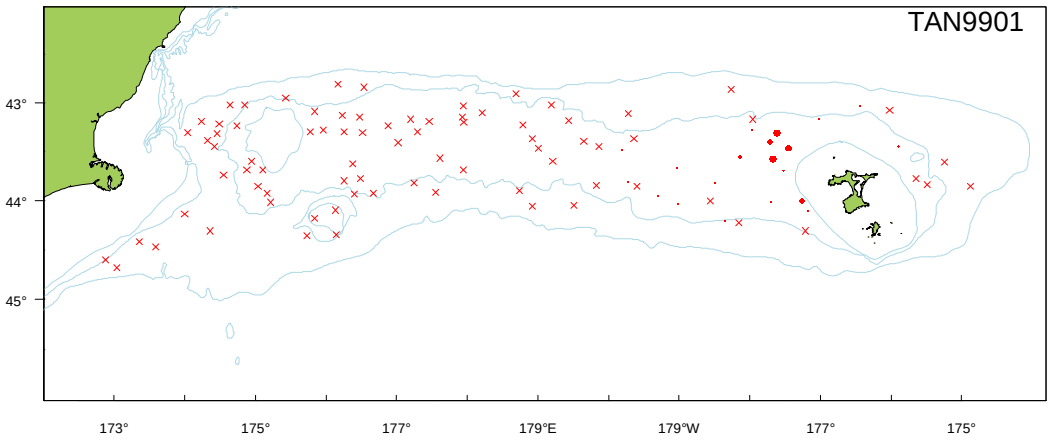

TAN9401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

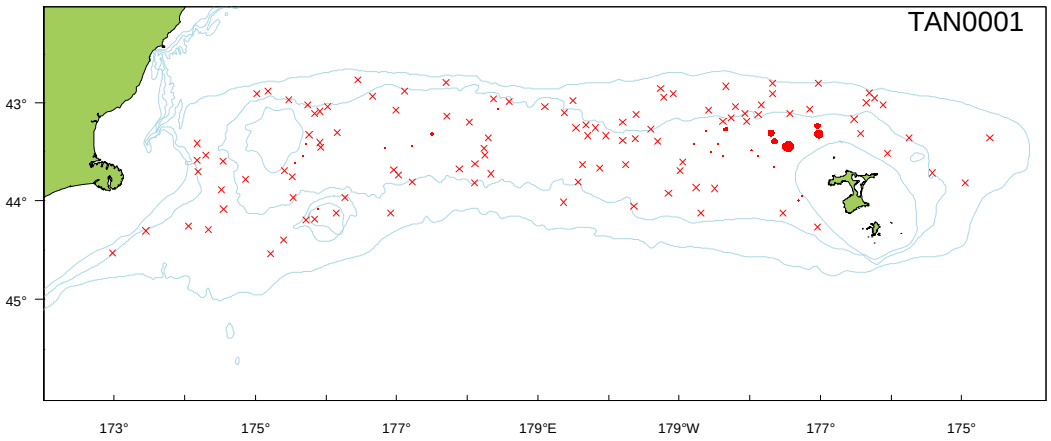

TAN9501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

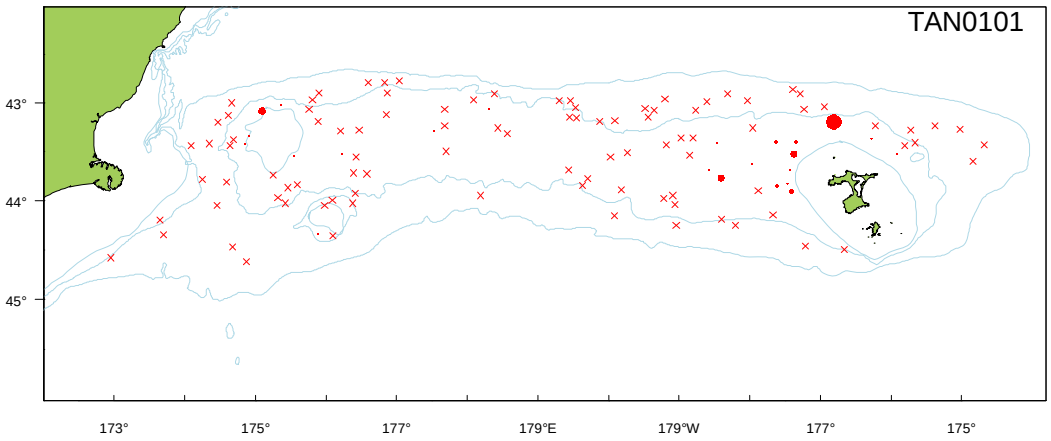

TAN9601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

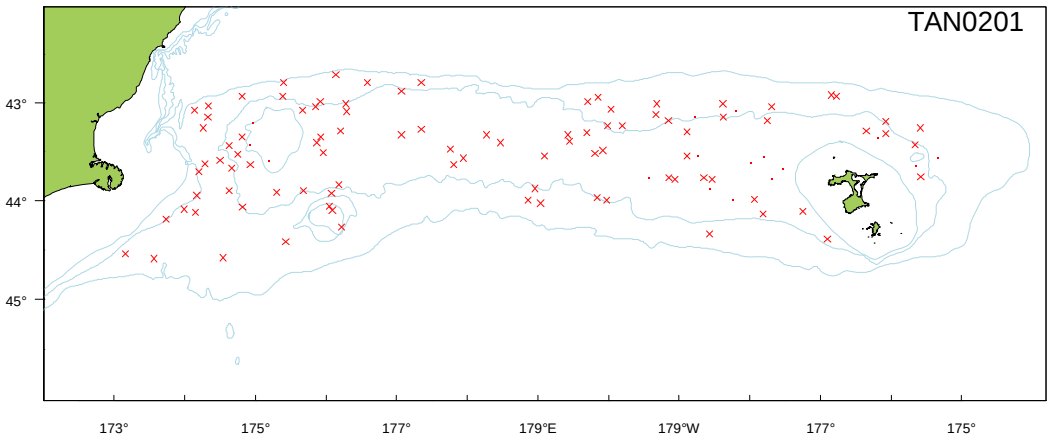

TAN9701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

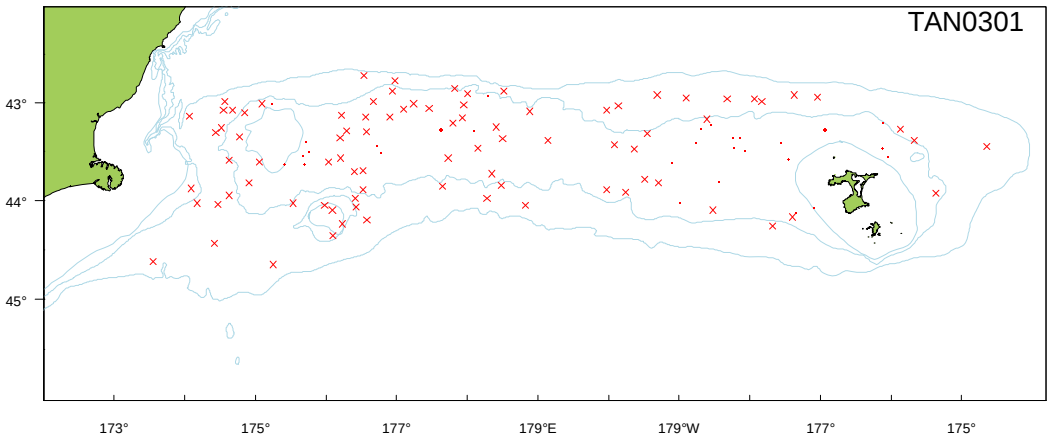

TAN9801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

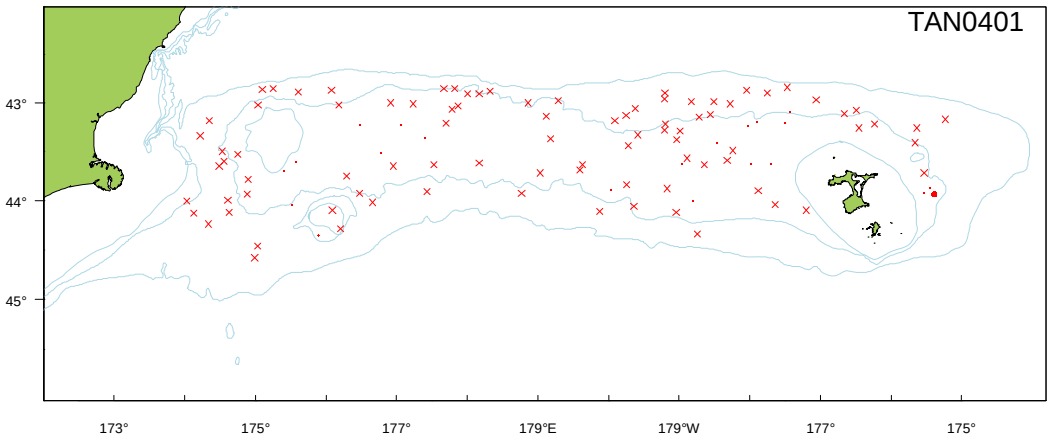

TAN9901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

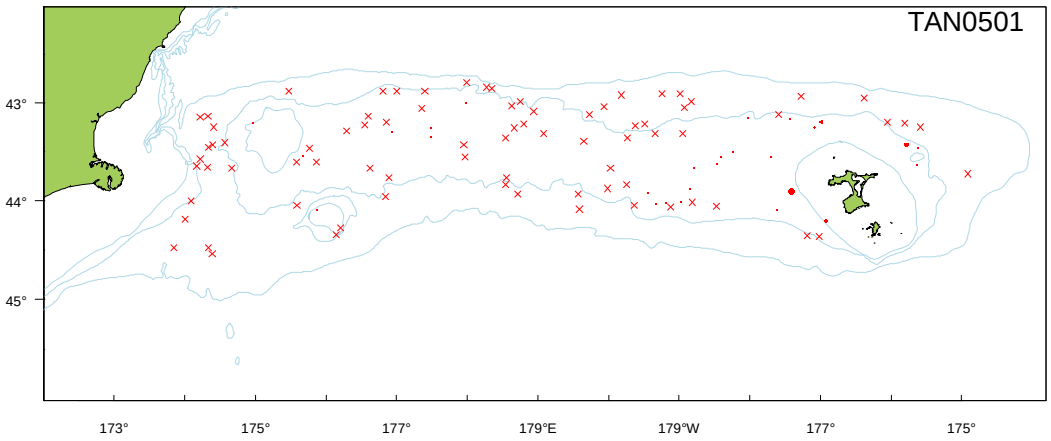

TAN0001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

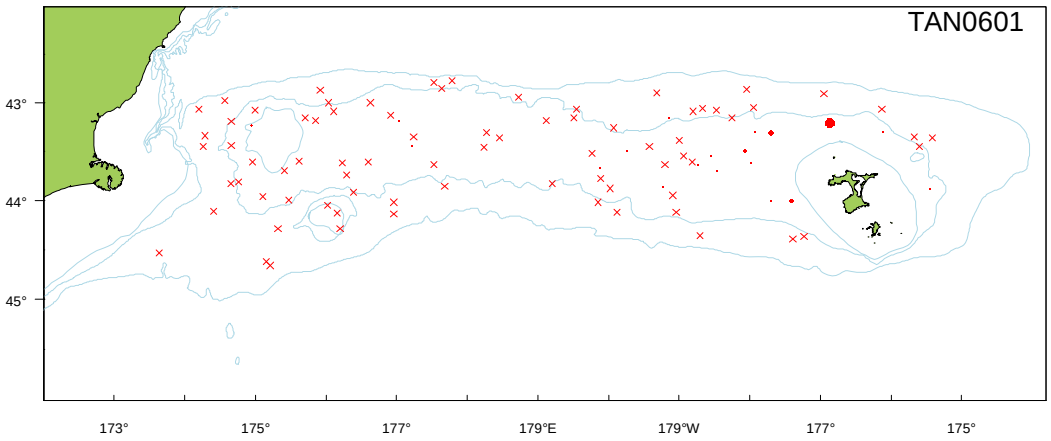

TAN0101
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

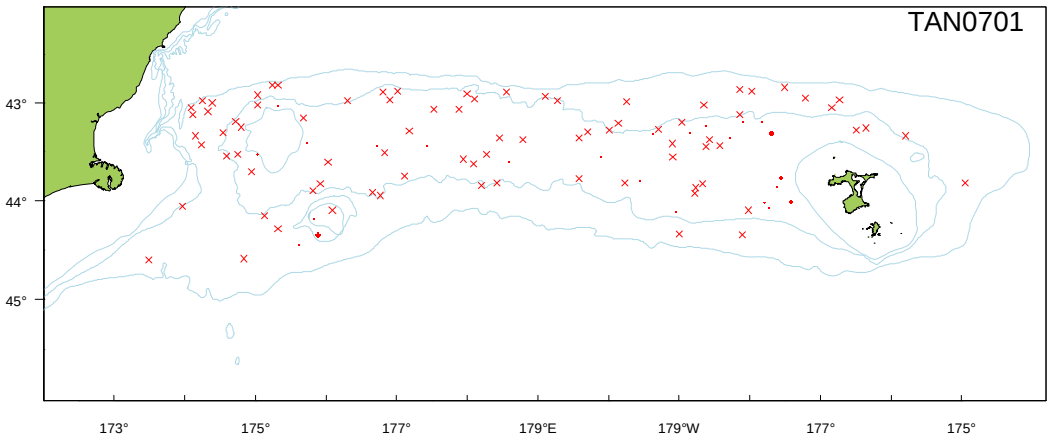

TAN0201
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

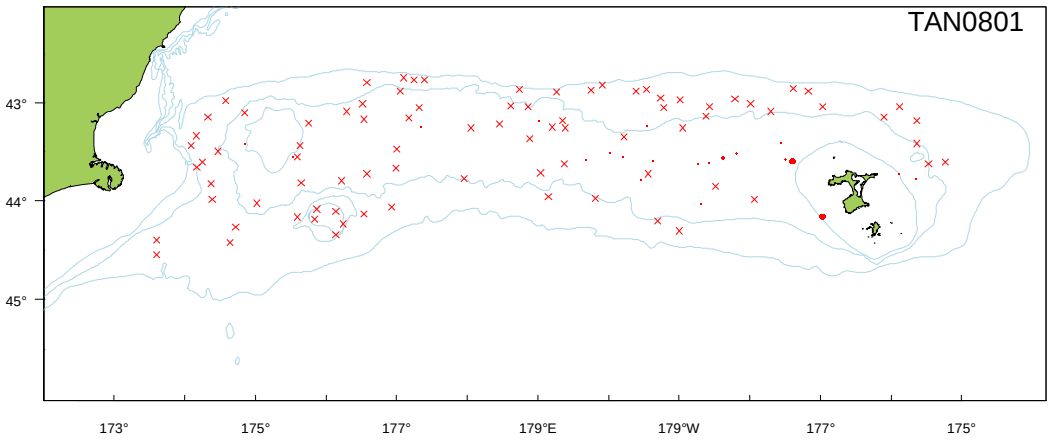

TAN0301
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

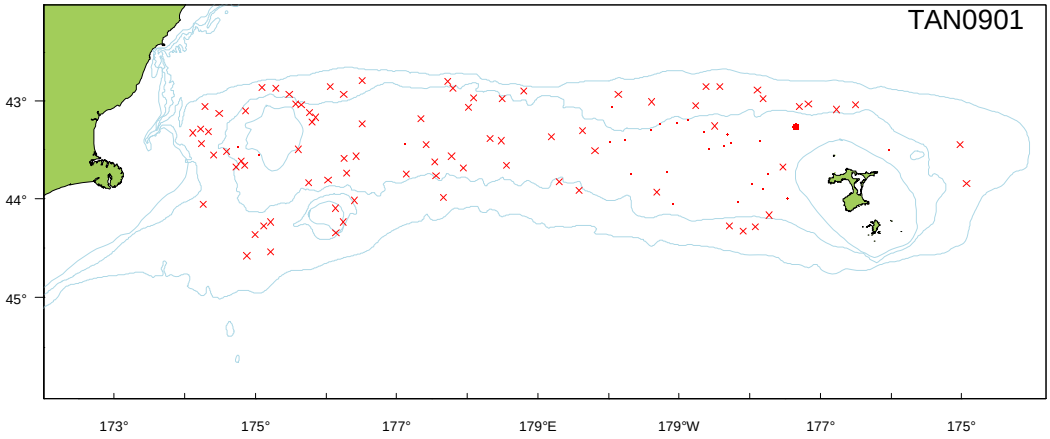

TAN0401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

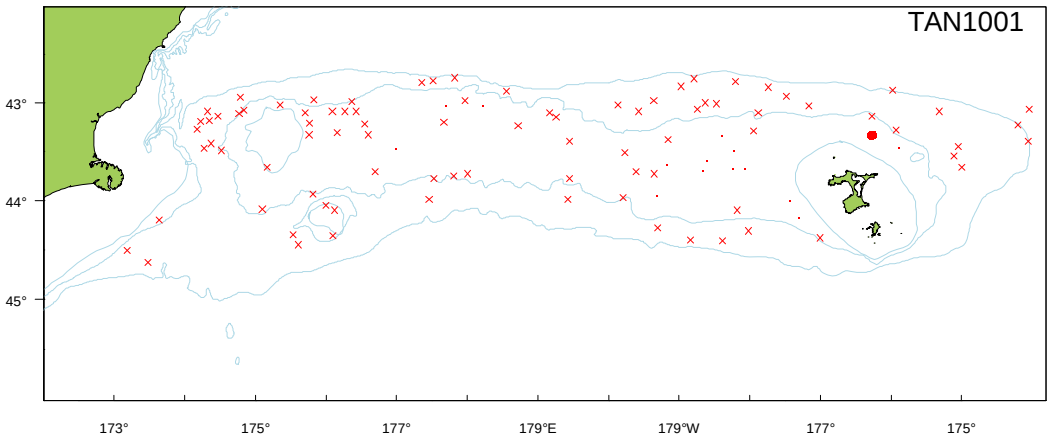

TAN0501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

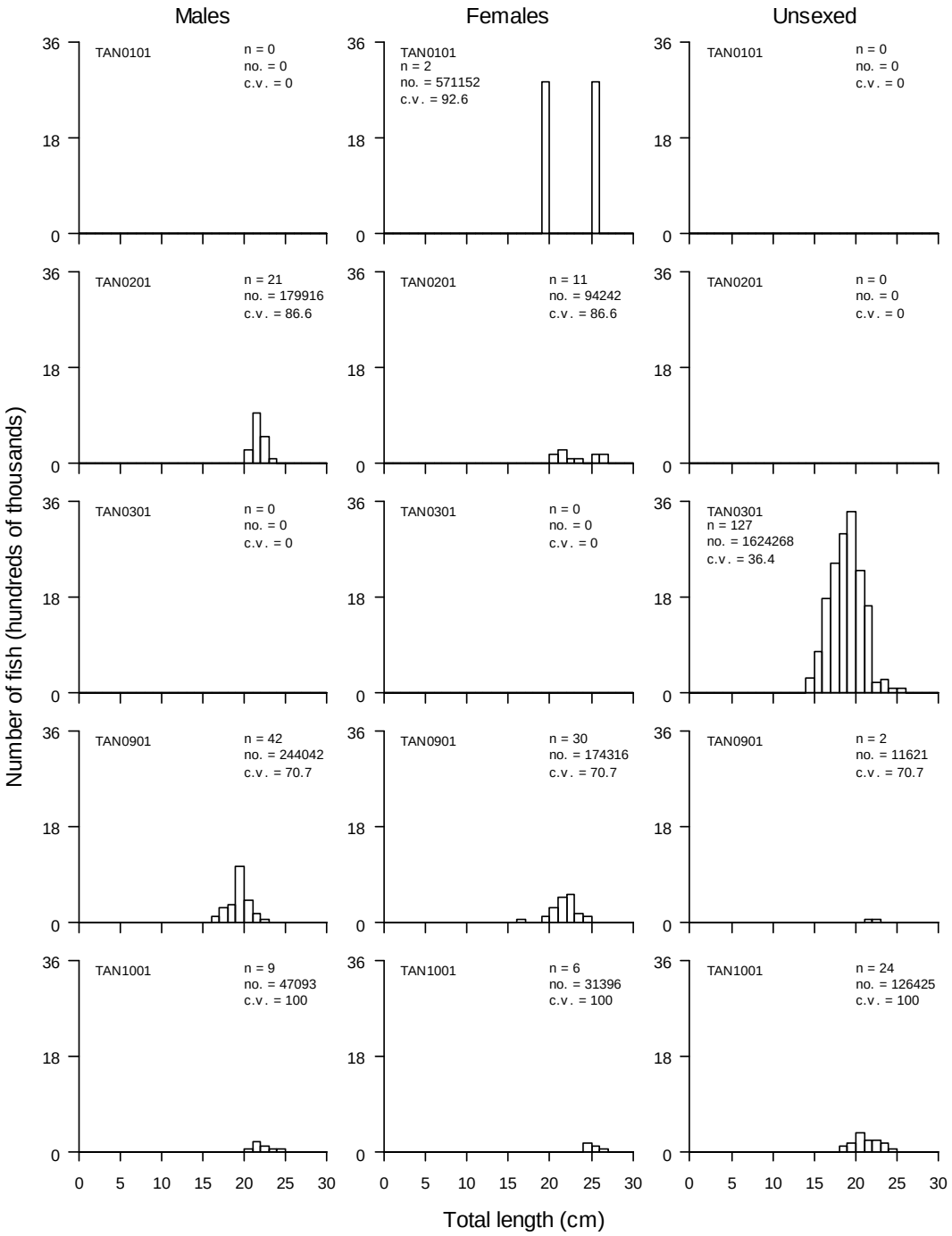

TAN0701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN1001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

Length Frequencies

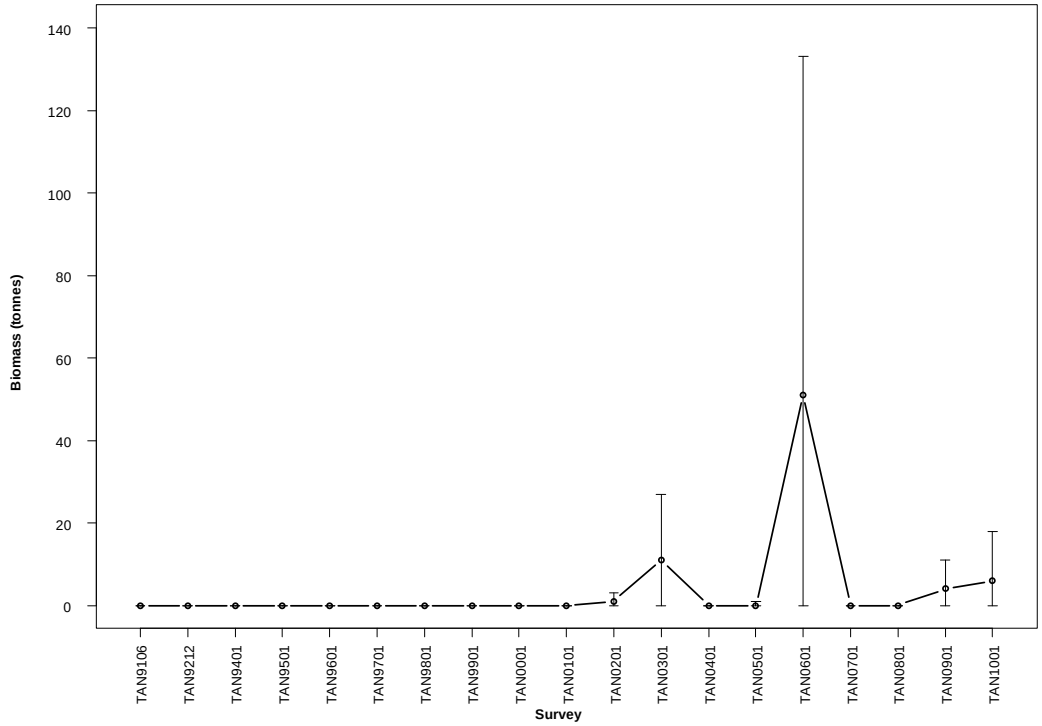


Number of surveys caught 1992–2010 (out of 19):	7
Total catch weight (kg):	59.3
Number measured	0
Length range (mean) (cm)	–
Number weighed	0
Length-weight parameters a, b (r^2)	–

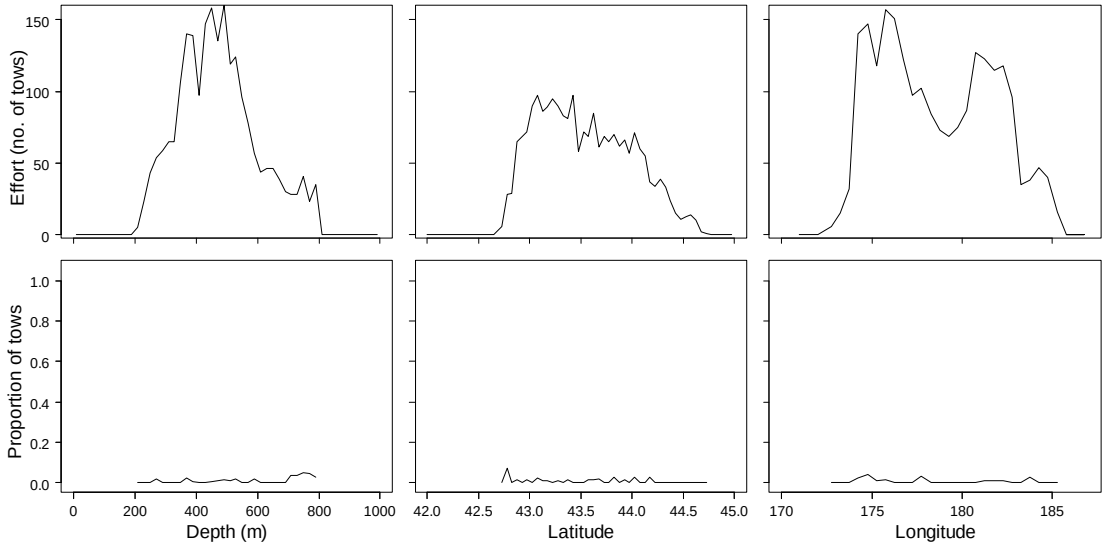
The core survey area and depth range **is not** appropriate for this group. It is mainly **pelagic** (caught as drift weed). Biomass of this group is **poorly** estimated in the core survey area. Biomass has **increased** since the start of the time series, but this may be because this group was **poorly recorded** in some early surveys.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	0	-
1994	0	-
1995	0	-
1996	0	-
1997	0	-
1998	0	-
1999	0	-
2000	0	-
2001	0	100
2002	1	100
2003	11	69
2004	0	-
2005	0	100
2006	51	81
2007	0	-
2008	0	-
2009	4	77
2010	6	100



Distribution



Coded as ASR
Number of surveys caught 1992–2010 (out of 19): 13
Total catch weight (kg): 191.2

Coded as CDY
Number of surveys caught 1992–2010 (out of 19): 8
Total catch weight (kg): 25.3

Coded as CJA
Number of surveys caught 1992–2010 (out of 19): 10
Total catch weight (kg): 122.7

Coded as DMG
Number of surveys caught 1992–2010 (out of 19): 8
Total catch weight (kg): 115

Coded as GOR
Number of surveys caught 1992–2010 (out of 19): 10
Total catch weight (kg): 96.4

Coded as HTR
Number of surveys caught 1992–2010 (out of 19): 10
Total catch weight (kg): 121.3

Coded as MSL
Number of surveys caught 1992–2010 (out of 19): 10
Total catch weight (kg): 115.5

Coded as OPH
Number of surveys caught 1992–2010 (out of 19): 10
Total catch weight (kg): 11.5

Coded as PKN
Number of surveys caught 1992–2010 (out of 19): 5
Total catch weight (kg): 46.4

Coded as PLT
Number of surveys caught 1992–2010 (out of 19): 9
Total catch weight (kg): 437.1

Coded as PRU

Number of surveys caught 1992–2010 (out of 19):	6
Total catch weight (kg):	15.4

Coded as PSI

Number of surveys caught 1992–2010 (out of 19):	10
Total catch weight (kg):	224.7

Coded as SFI

Number of surveys caught 1992–2010 (out of 19):	9
Total catch weight (kg):	313.9

Coded as SMO

Number of surveys caught 1992–2010 (out of 19):	7
Total catch weight (kg):	14.2

Coded as SOT

Number of surveys caught 1992–2010 (out of 19):	9
Total catch weight (kg):	35.5

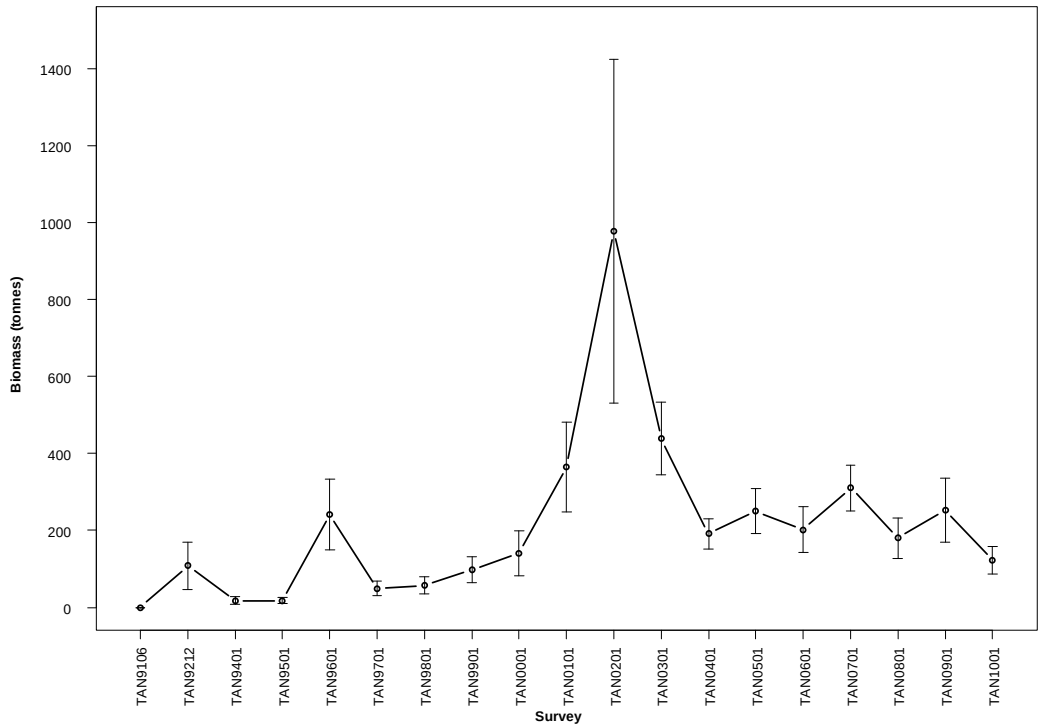
Coded as ZOR

Number of surveys caught 1992–2010 (out of 19):	10
Total catch weight (kg):	137

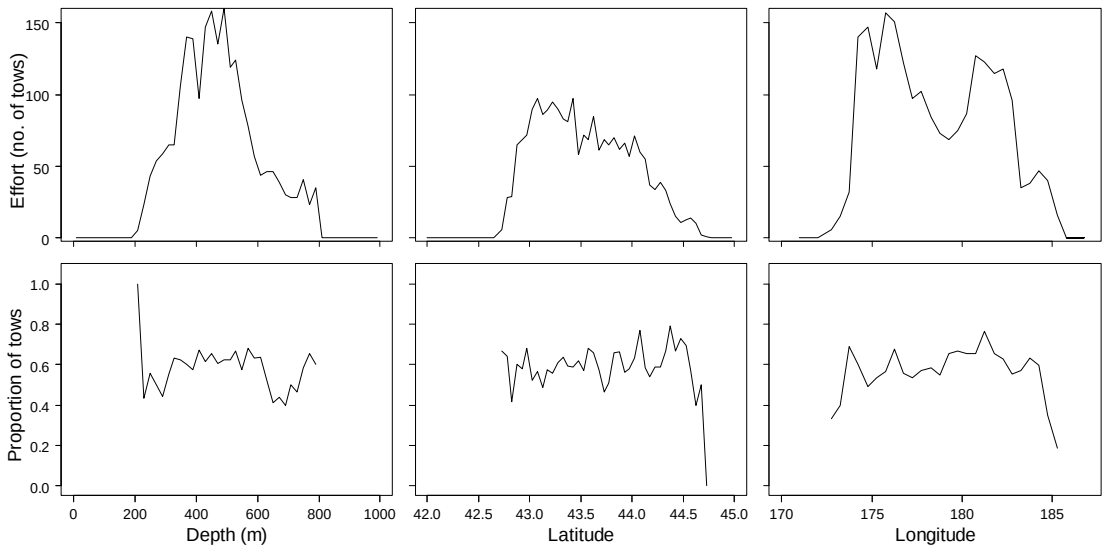
The core survey area and depth range **is** appropriate for this group. Biomass of this group is **very well** estimated in the core survey area. Biomass has **increased** since the start of the time series, but this group may have been **poorly recorded** in early surveys.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	108	29
1994	18	27
1995	18	19
1996	242	19
1997	49	20
1998	57	20
1999	98	18
2000	141	21
2001	365	16
2002	977	23
2003	439	11
2004	191	10
2005	250	12
2006	202	15
2007	310	10
2008	180	15
2009	252	17
2010	123	15



Distribution



Coded as BTA

Number of surveys caught 1992–2010 (out of 19):	17
Total catch weight (kg):	276
Number measured	25
Length range (mean) (cm, PL)	19–34 (28.1)
Number weighed	20

Coded as BTH

Number of surveys caught 1992–2010 (out of 19):	10
Total catch weight (kg):	118.5
Number measured	6
Length range (mean) (cm, PL)	23–45 (35.4)
Number weighed	6

Coded as BTS

Number of surveys caught 1992–2010 (out of 19):	17
Total catch weight (kg):	224.1
Number measured	11
Length range (mean) (cm, PL)	28–44 (38.2)
Number weighed	8

Coded as PSK

Number of surveys caught 1992–2010 (out of 19):	7
Total catch weight (kg):	43.8
Number measured	8
Number weighed	7

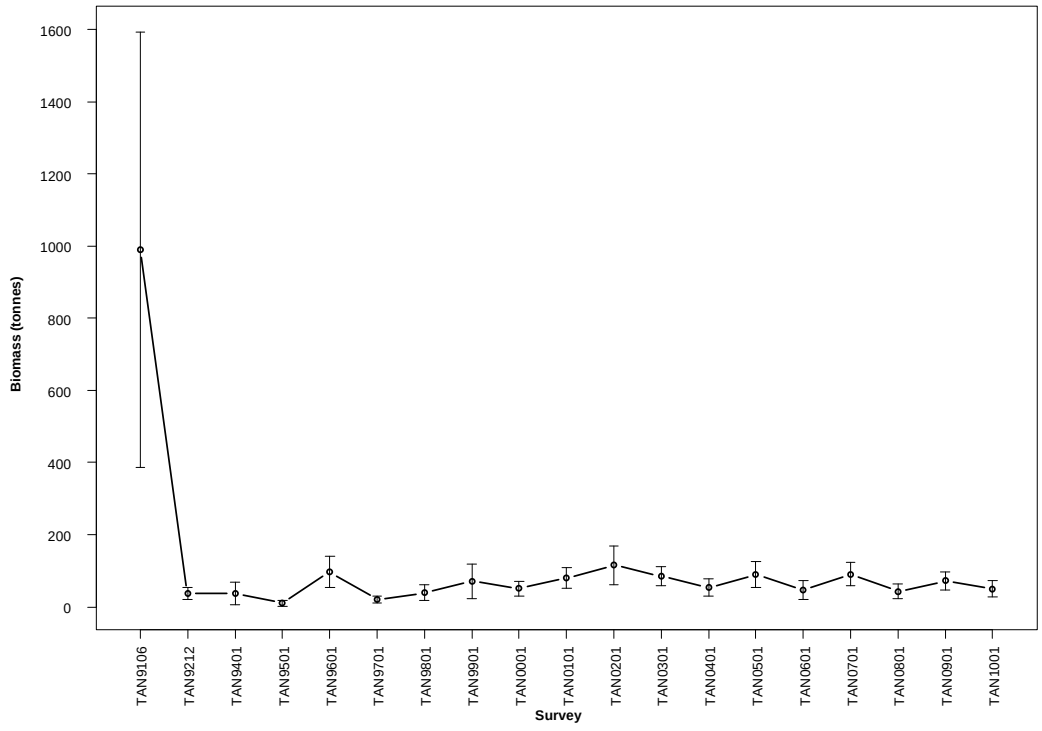
Coded as SKA

Number of surveys caught 1992–2010 (out of 19):	3
Total catch weight (kg):	815.2

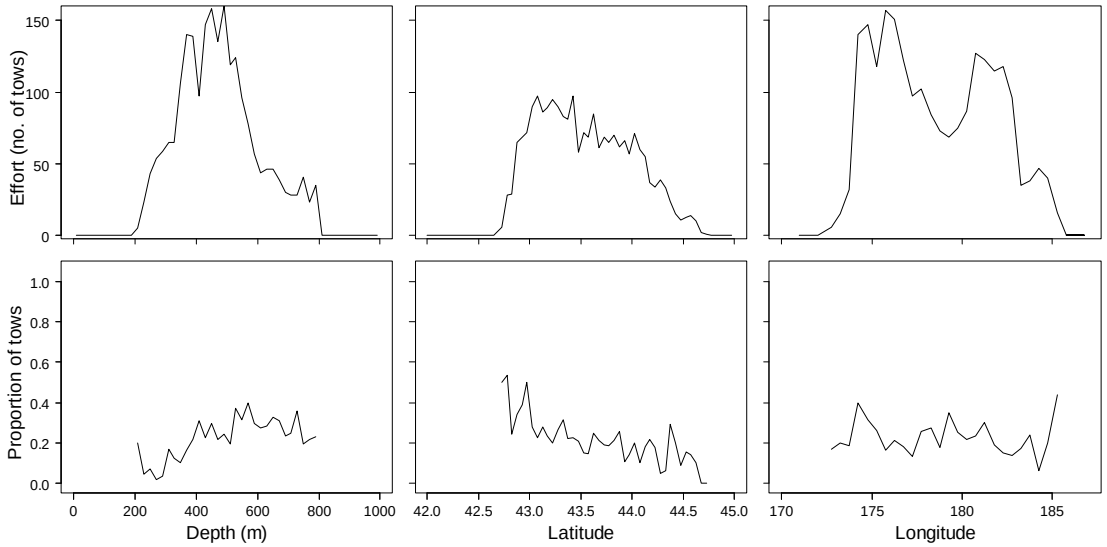
The core survey area and depth range **is** appropriate for this group. Biomass of this group is **well** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **north**.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	990	31
1993	37	22
1994	38	41
1995	10	42
1996	98	23
1997	20	25
1998	39	29
1999	71	35
2000	51	20
2001	80	18
2002	116	24
2003	85	15
2004	54	22
2005	89	21
2006	46	29
2007	91	18
2008	43	24
2009	72	18
2010	50	22



Distribution



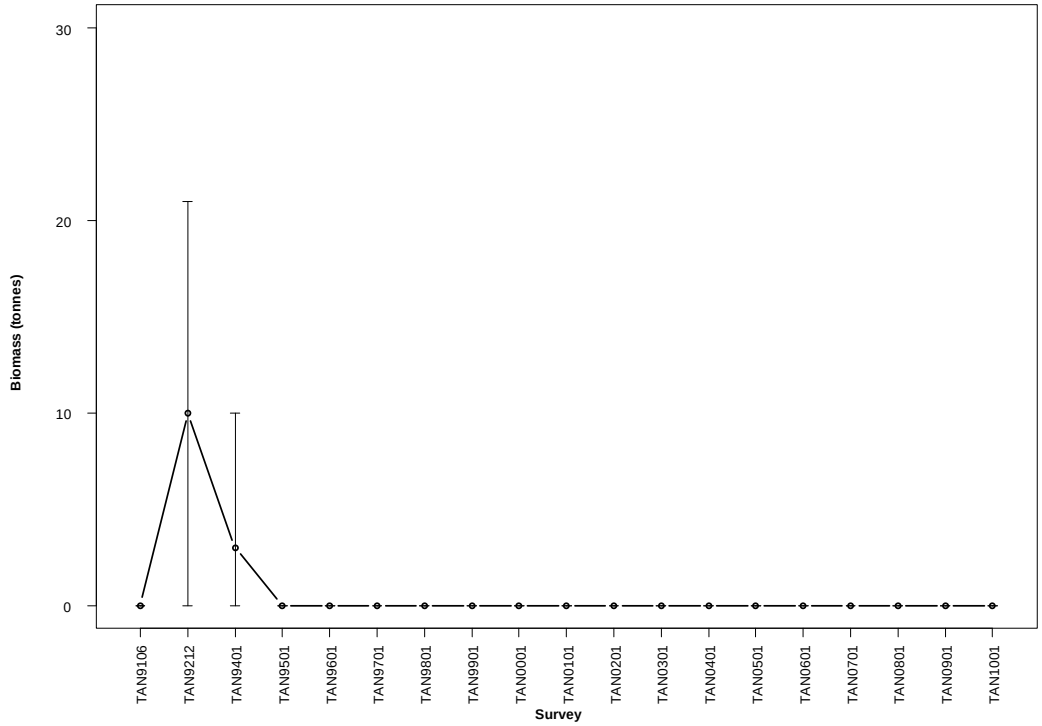
Gemfish (*Rexea solandri*) SKI

Number of surveys caught 1992–2010 (out of 19):	3
Total catch weight (kg):	40.8
Number measured	9
Length range (mean) (cm, FL)	76–98 (89.2)
Number weighed	0
Length-weight parameters a, b (r^2)	–

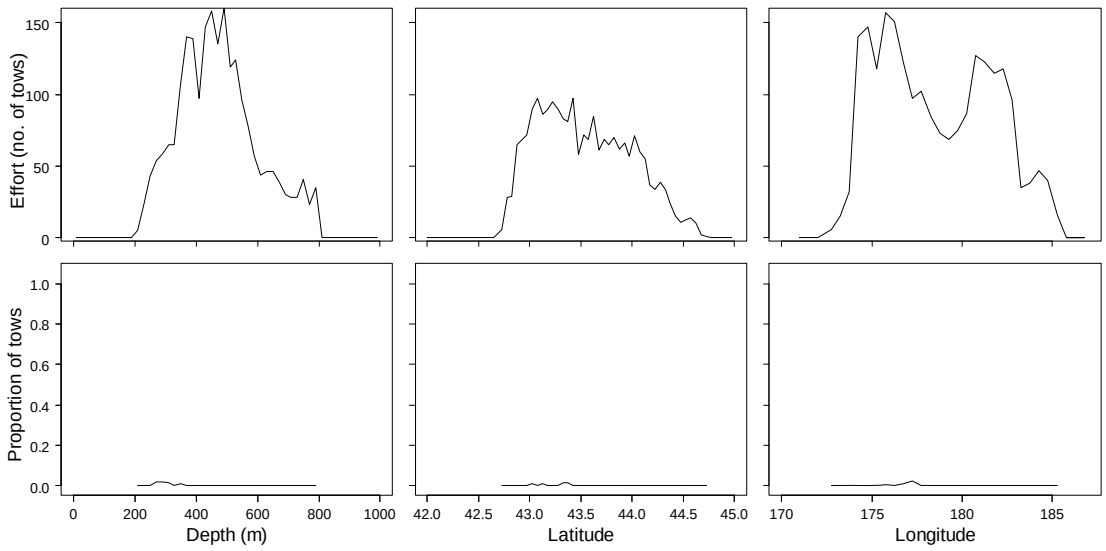
There were **too few fish caught to determine whether the core survey area is appropriate for this species**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	10	57
1994	3	100
1995	0	-
1996	0	-
1997	0	-
1998	0	-
1999	0	-
2000	0	-
2001	0	-
2002	0	-
2003	0	-
2004	0	-
2005	0	-
2006	0	-
2007	0	-
2008	0	-
2009	0	-
2010	0	-



Distribution



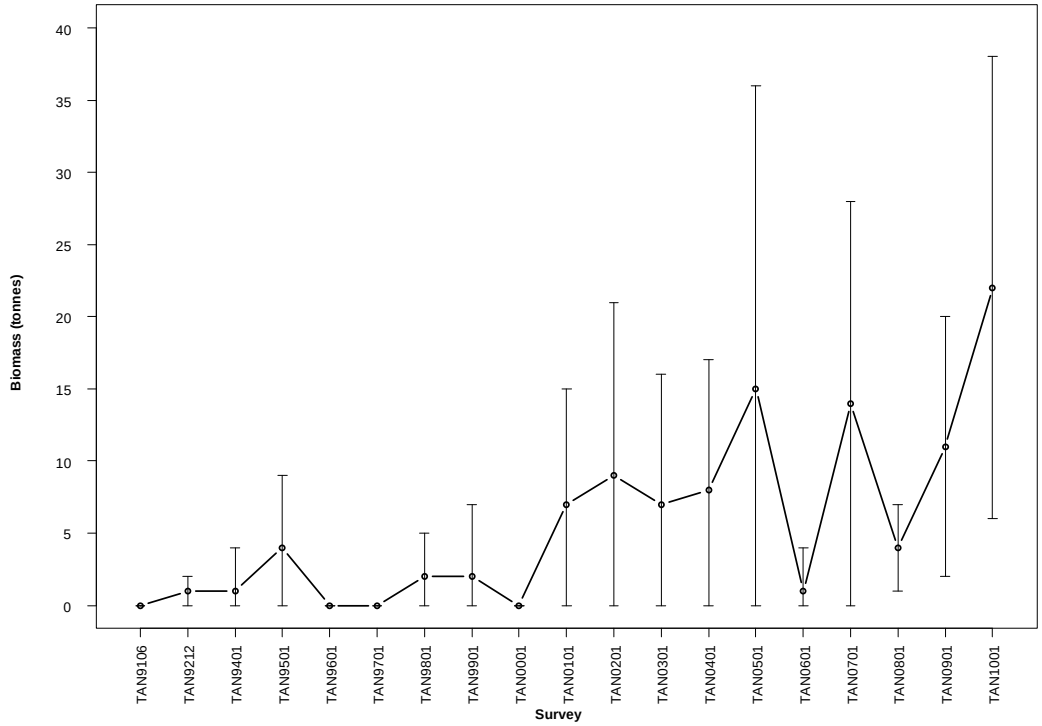
Small-headed cod (*Lepidion microcephalus*) SMC

Number of surveys caught 1992–2010 (out of 19):	16
Total catch weight (kg):	59.7
Number measured	44
Length range (mean) (cm, TL)	39–44 (41.5)
Number weighed	41
Length-weight parameters a, b (r^2)	–

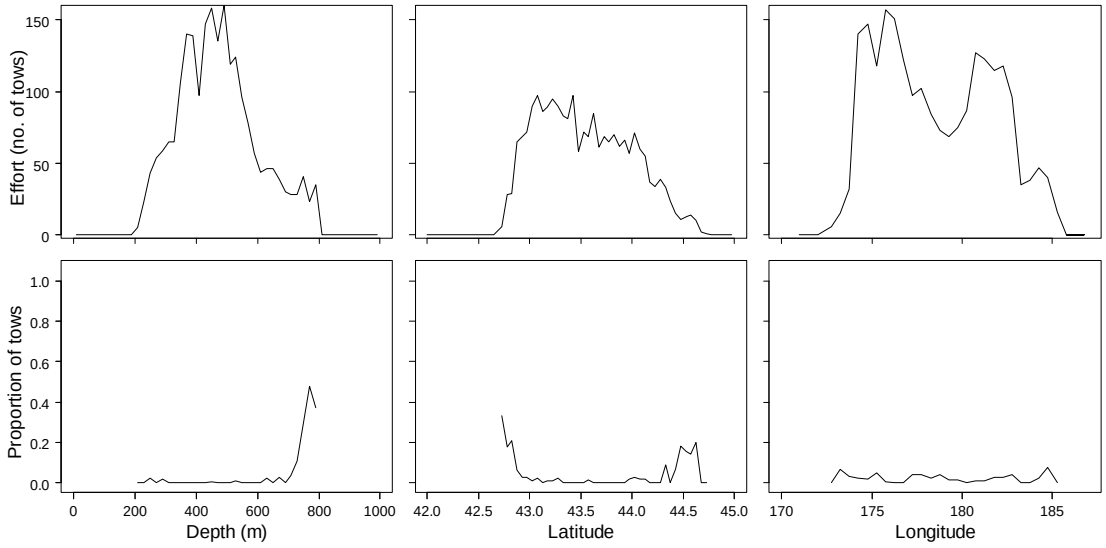
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass has **increased** since the start of the time series.

Relative biomass estimates

Year	Biomass (t)	cv (%)
1992	0	-
1993	1	71
1994	1	100
1995	4	72
1996	0	-
1997	0	-
1998	2	100
1999	2	100
2000	0	-
2001	7	54
2002	9	71
2003	7	63
2004	8	60
2005	15	68
2006	1	100
2007	14	52
2008	4	37
2009	11	42
2010	22	36



Distribution



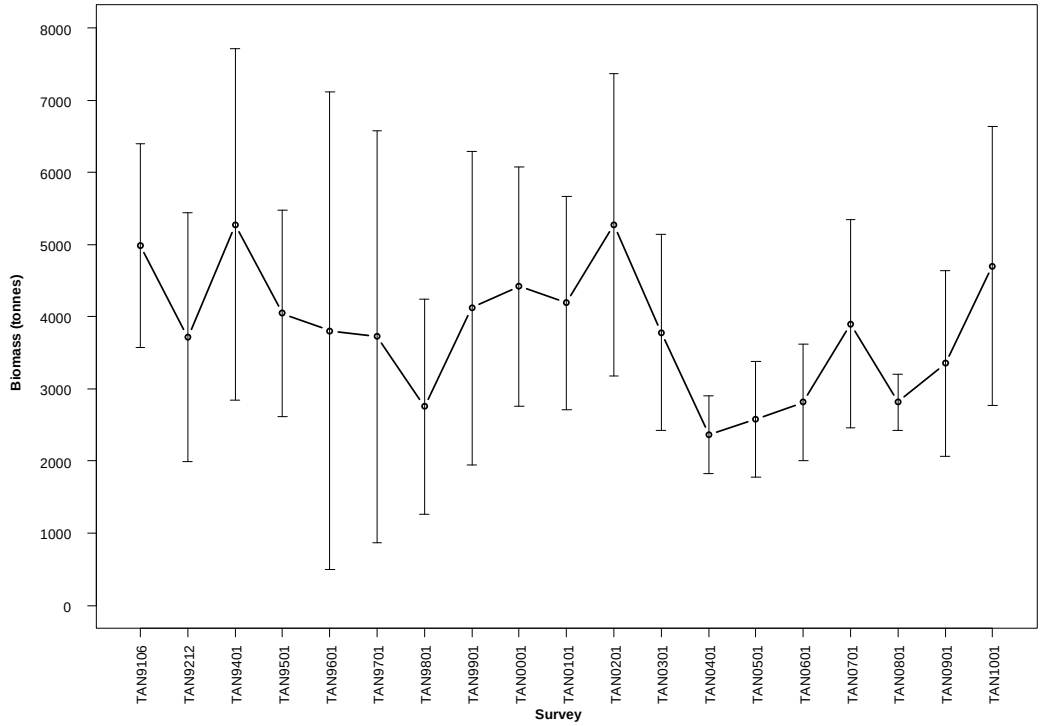
Shovelnose spiny dogfish (*Deania calcea*) SND

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	43 022.3
Number measured	11 992
Length range (mean) (cm, TL)	29–126 (75.2)
Number weighed	5 568
Length-weight parameters a, b (r^2)	0.002028, 3.133079 (98.33)

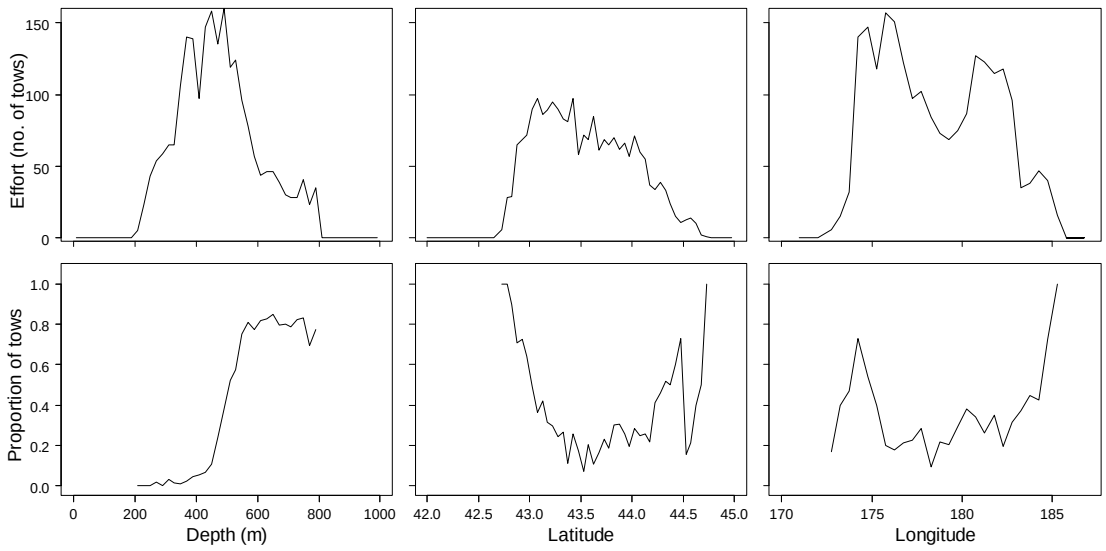
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **well** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **north**. Length frequencies **have multiple modes which may contain information about year-class strength**. The length distribution of females is much broader than that of males. Mean length **shows no clear trend** since the start of the time series. Gonad stage data indicate that **most females are immature or maturing while males of all maturity stages are caught**.

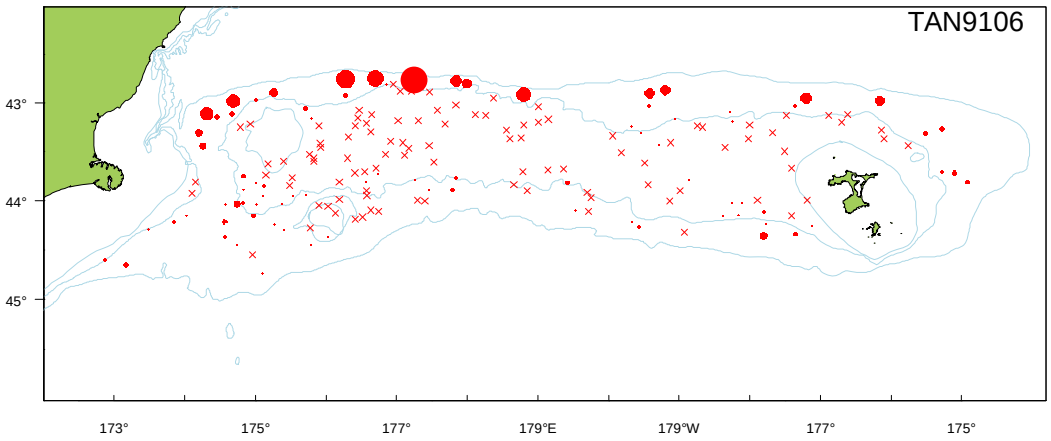
Relative biomass estimates and length summary

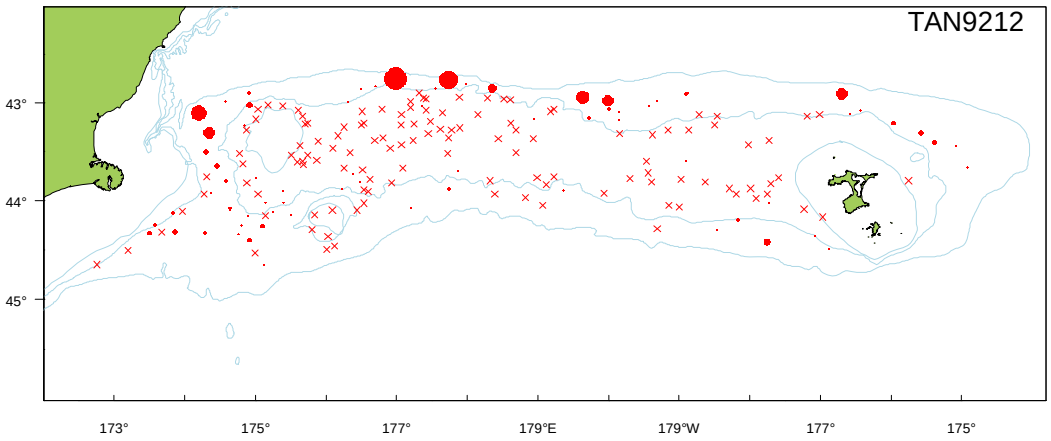
			Length (cm)			No.
Year	**Biomass (t)**	**cv (%)**	**Min.**	**Max.**	**Mean**	**measured**
1992	4 989	14	-	-	-	0
1993	3 716	23	-	-	-	0
1994	5 274	23	-	-	-	0
1995	4 046	18	-	-	-	0
1996	3 803	44	-	-	-	0
1997	3 724	38	-	-	-	0
1998	2 757	27	34	115	76.7	309
1999	4 121	26	31	126	79.9	497
2000	4 421	19	30	116	79.2	754
2001	4 190	18	29	117	73.2	998
2002	5 272	20	32	115	74.5	898
2003	3 781	18	34	117	74.7	841
2004	2 363	12	30	114	73.8	713
2005	2 576	16	31	118	72.3	793
2006	2 815	14	31	115	75.6	687
2007	3 901	18	30	113	77.1	808
2008	2 816	7	31	115	79.5	630
2009	3 352	19	31	116	72.6	1 049
2010	4 700	21	33	112	74.3	1 169

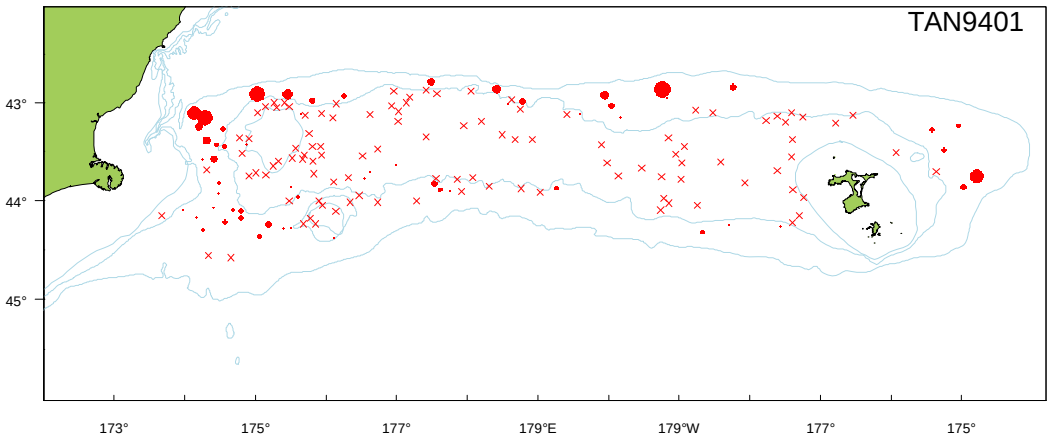


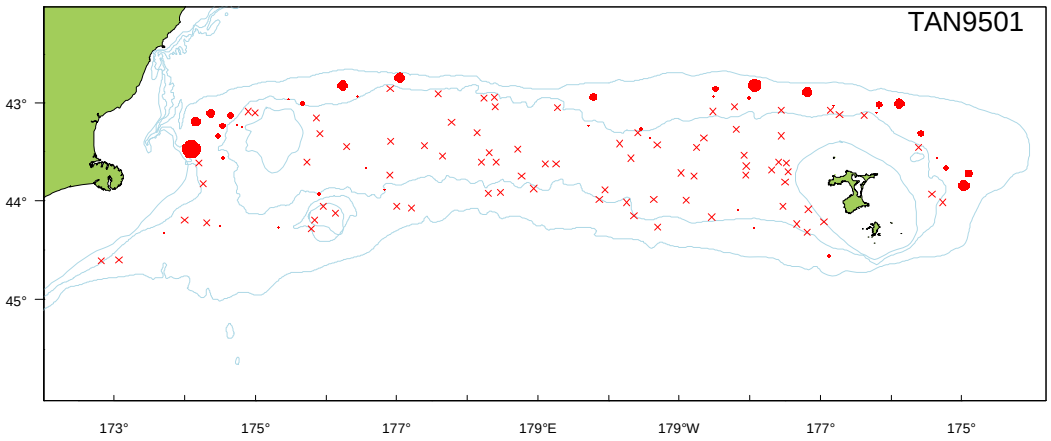
Distribution

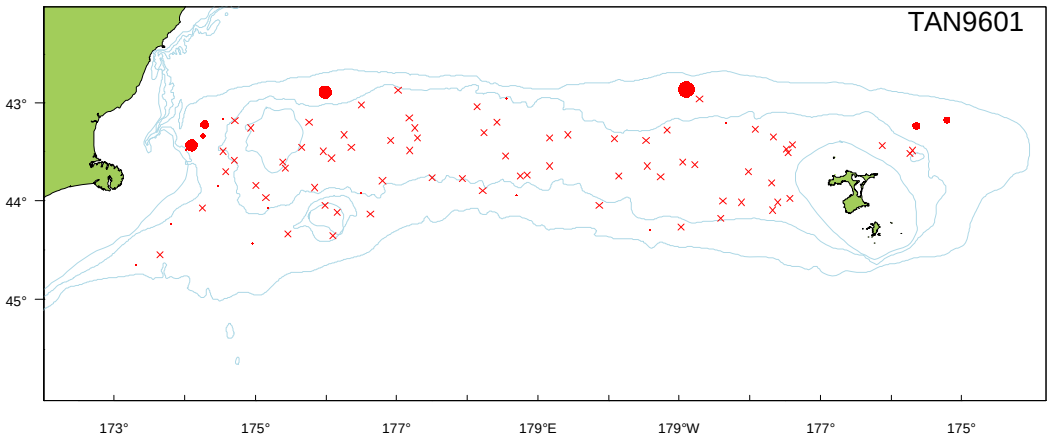


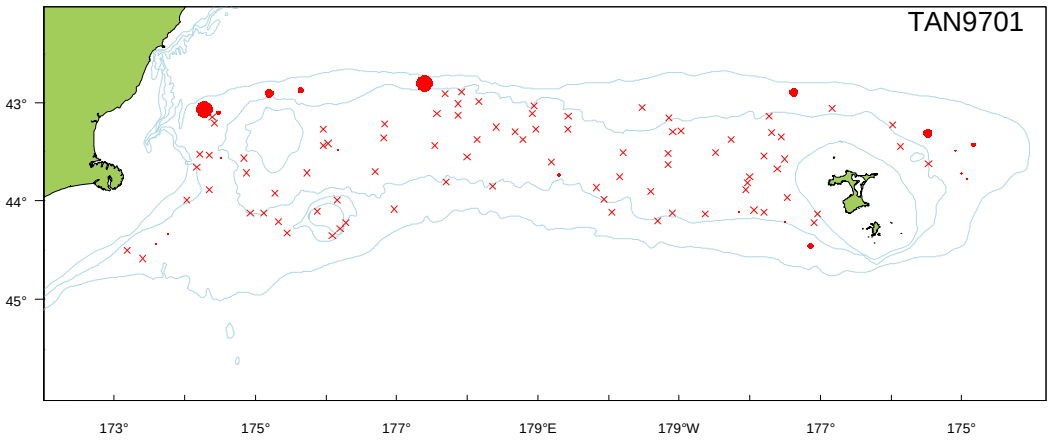

TAN9106
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

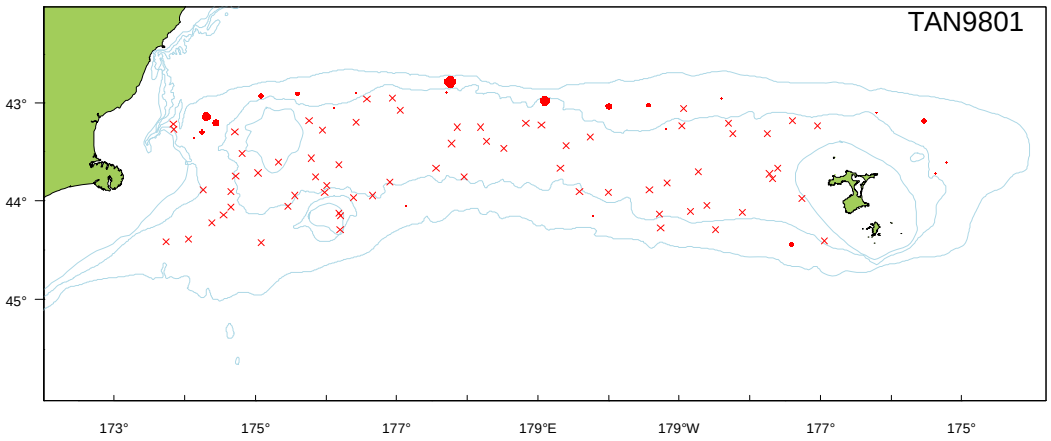

TAN9212
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

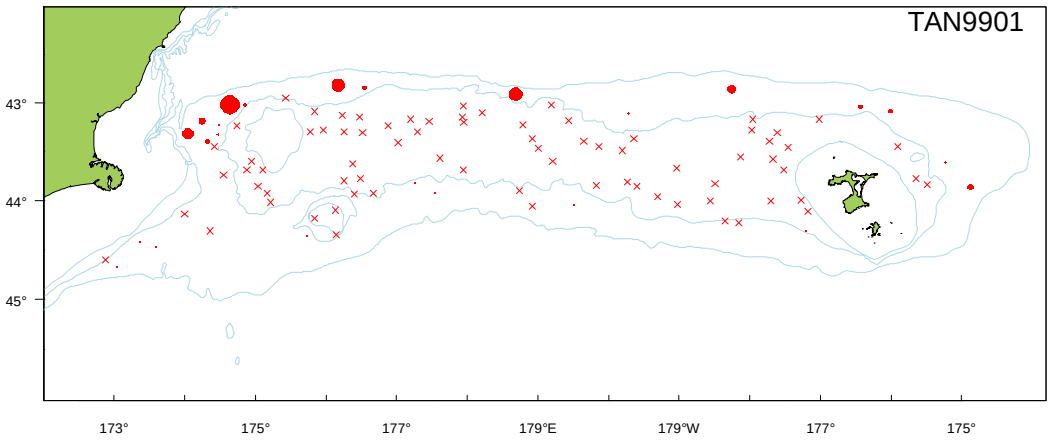

TAN9401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

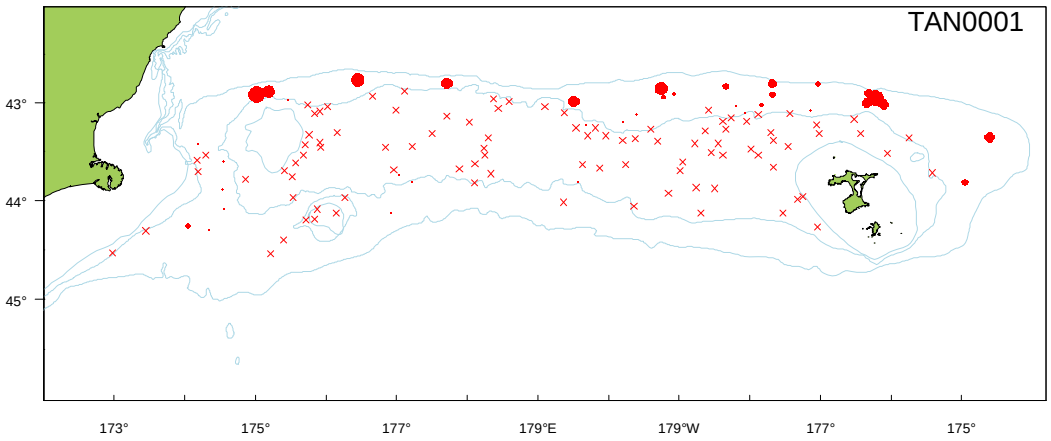

TAN9501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

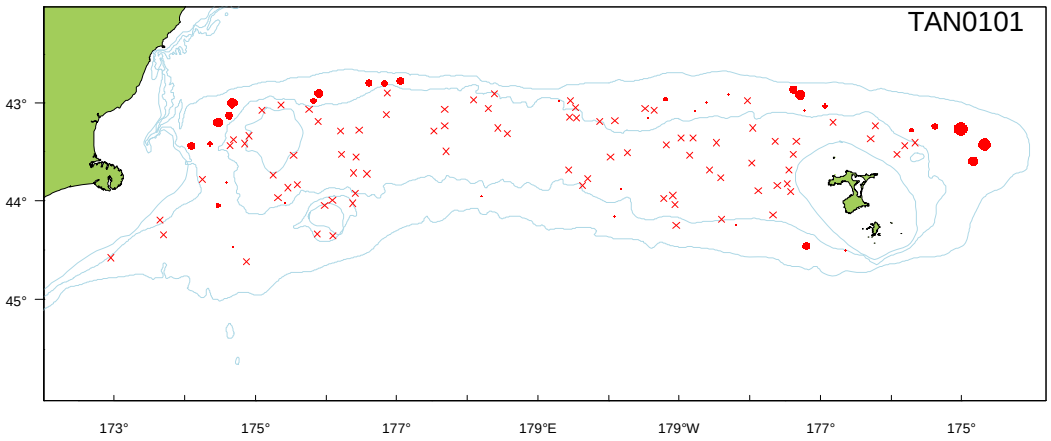

TAN9601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

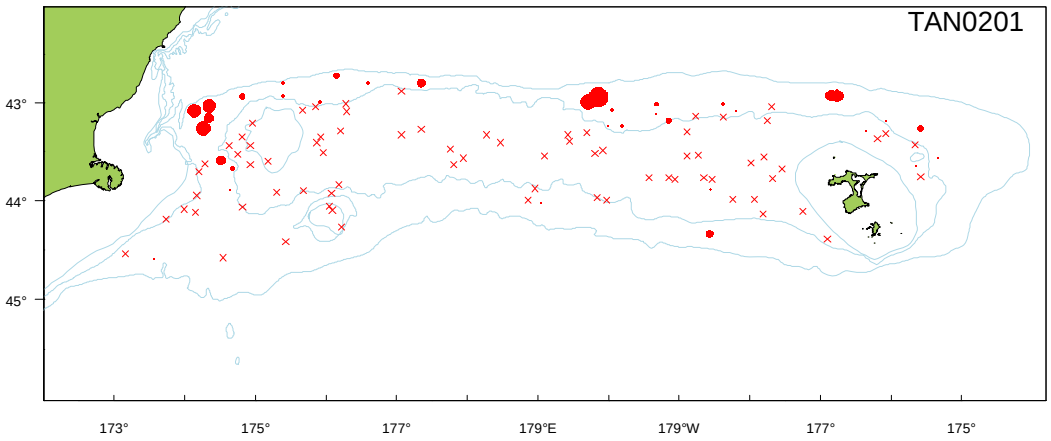

TAN9701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

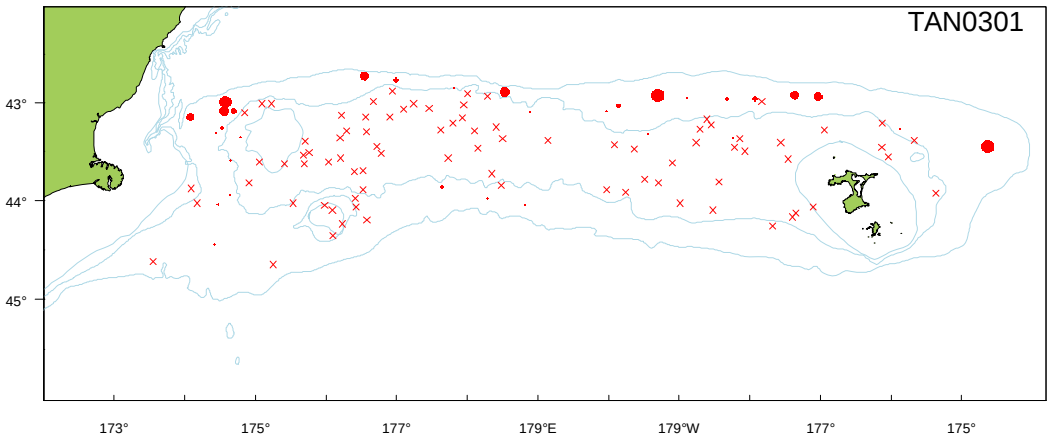

TAN9801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

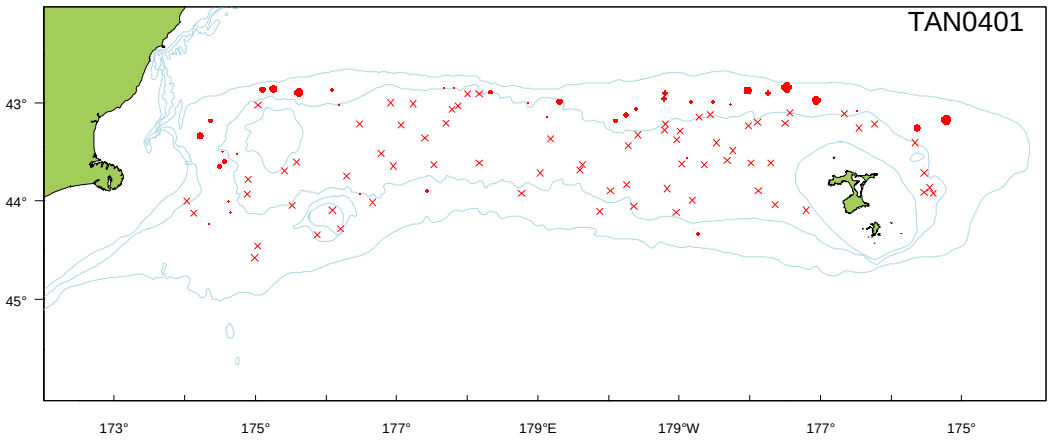

TAN9901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

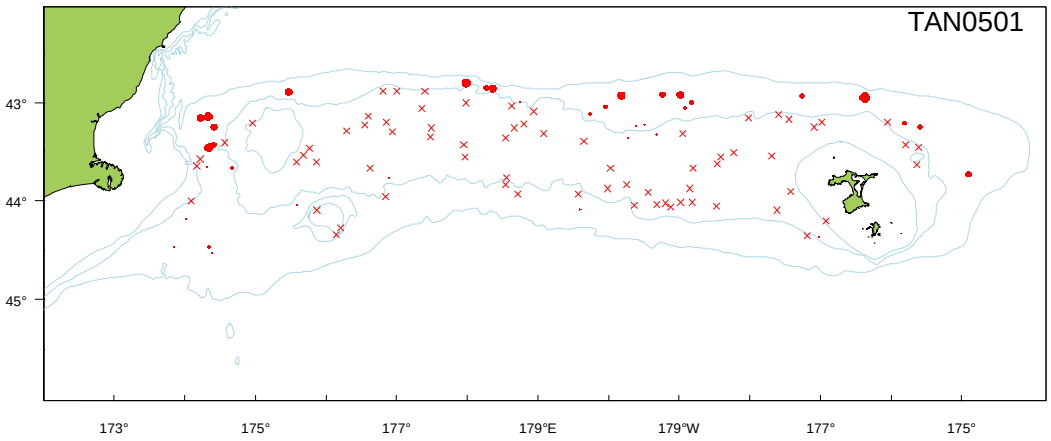

TAN0001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

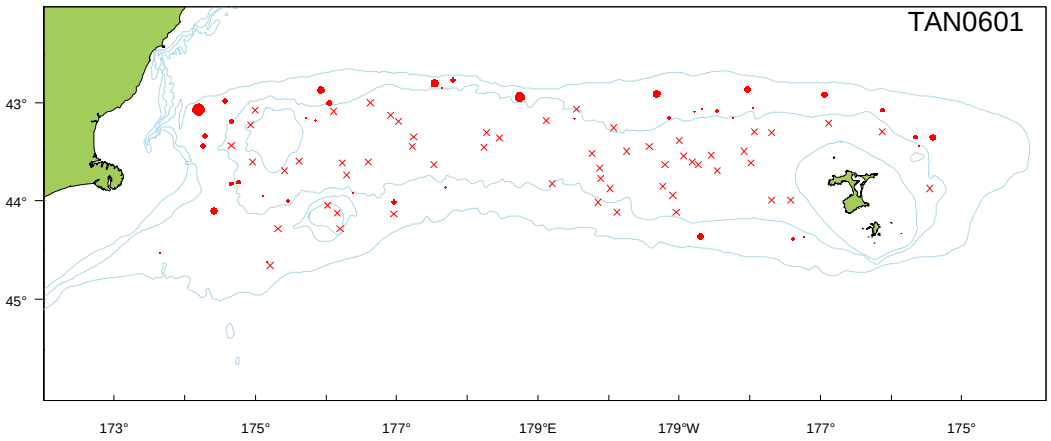

TAN0101
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

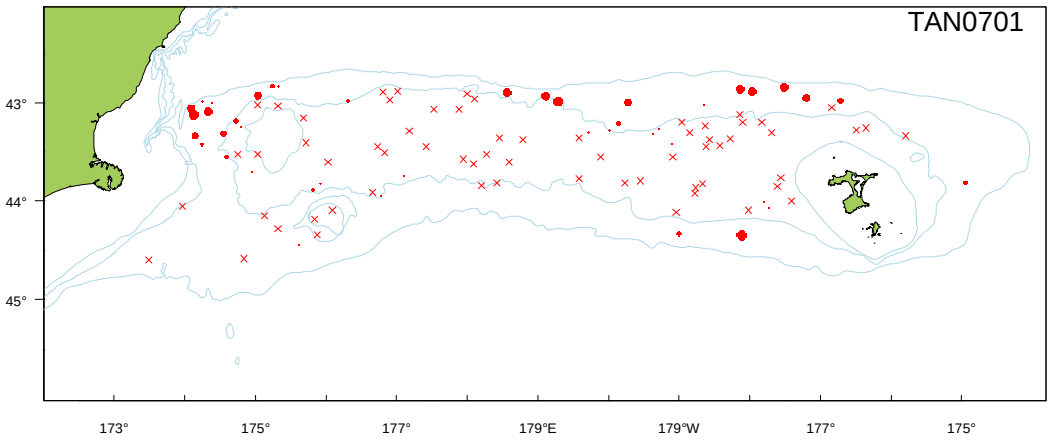

TAN0201
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

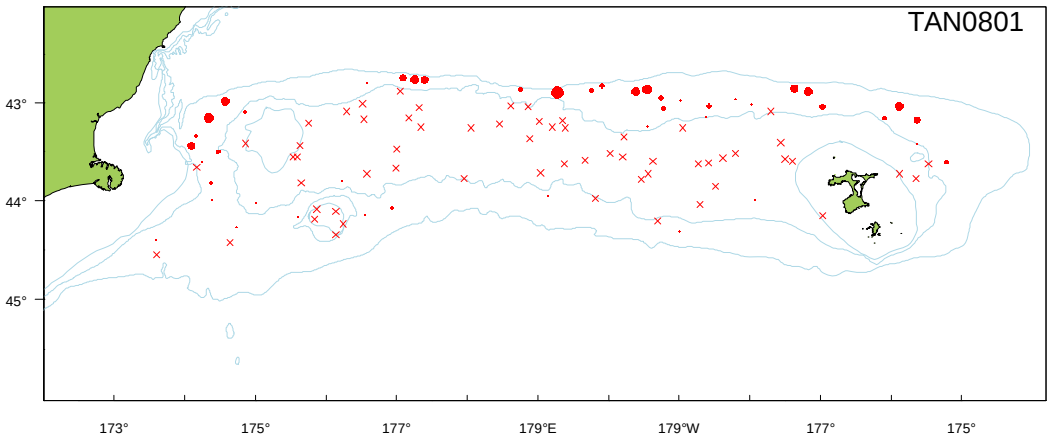

TAN0301
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

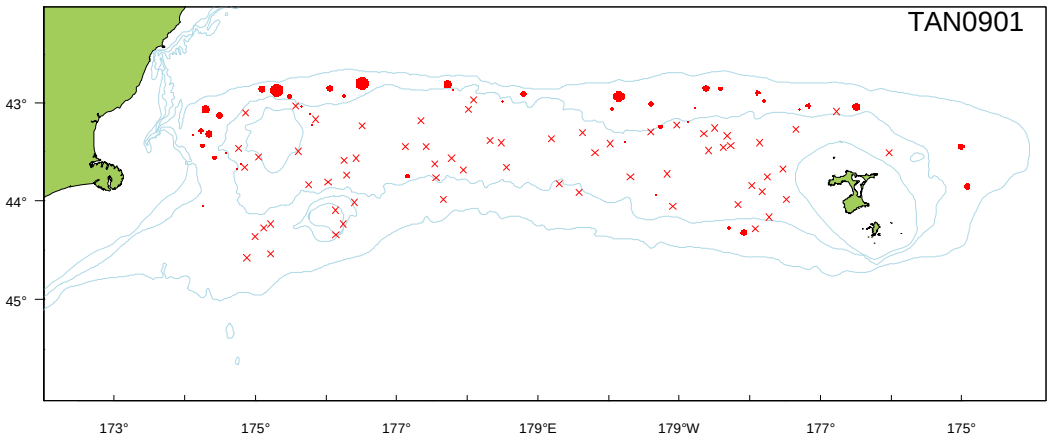

TAN0401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

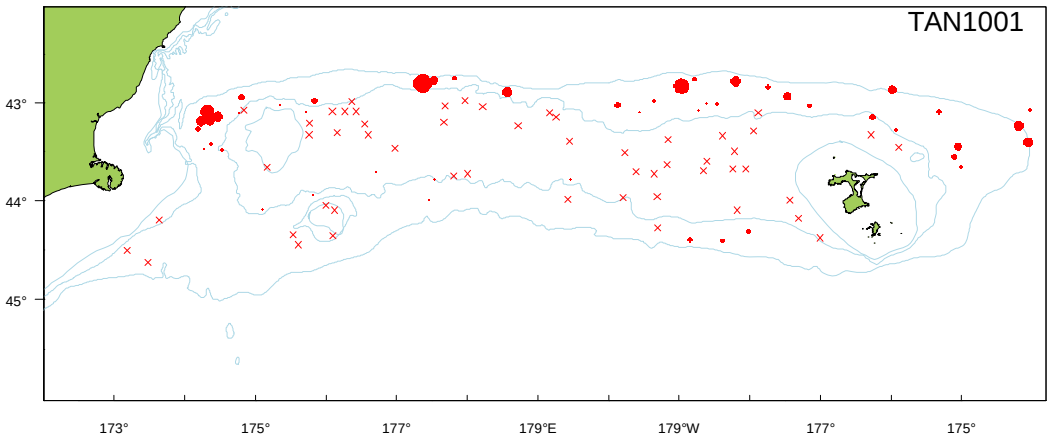

TAN0501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

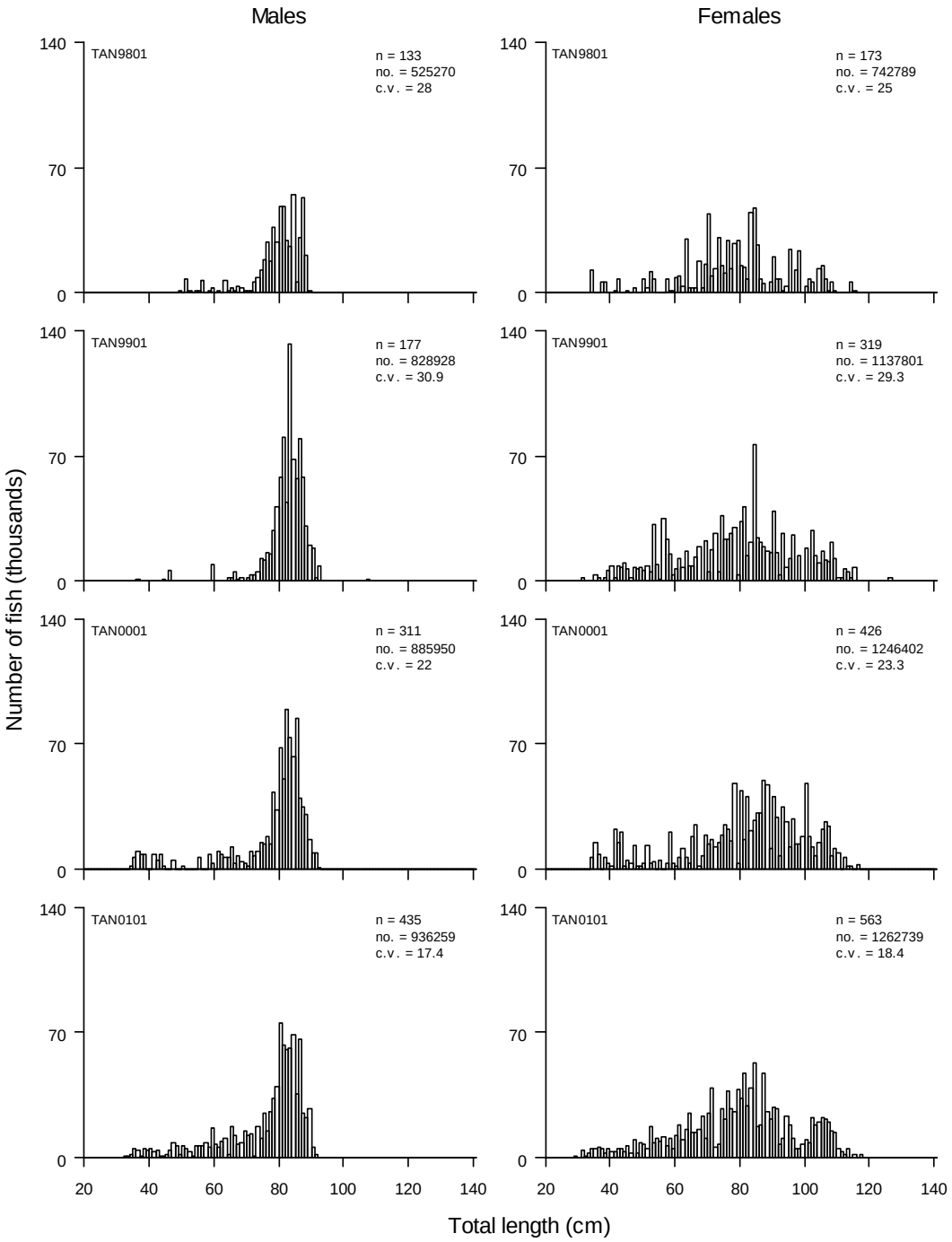

TAN0701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

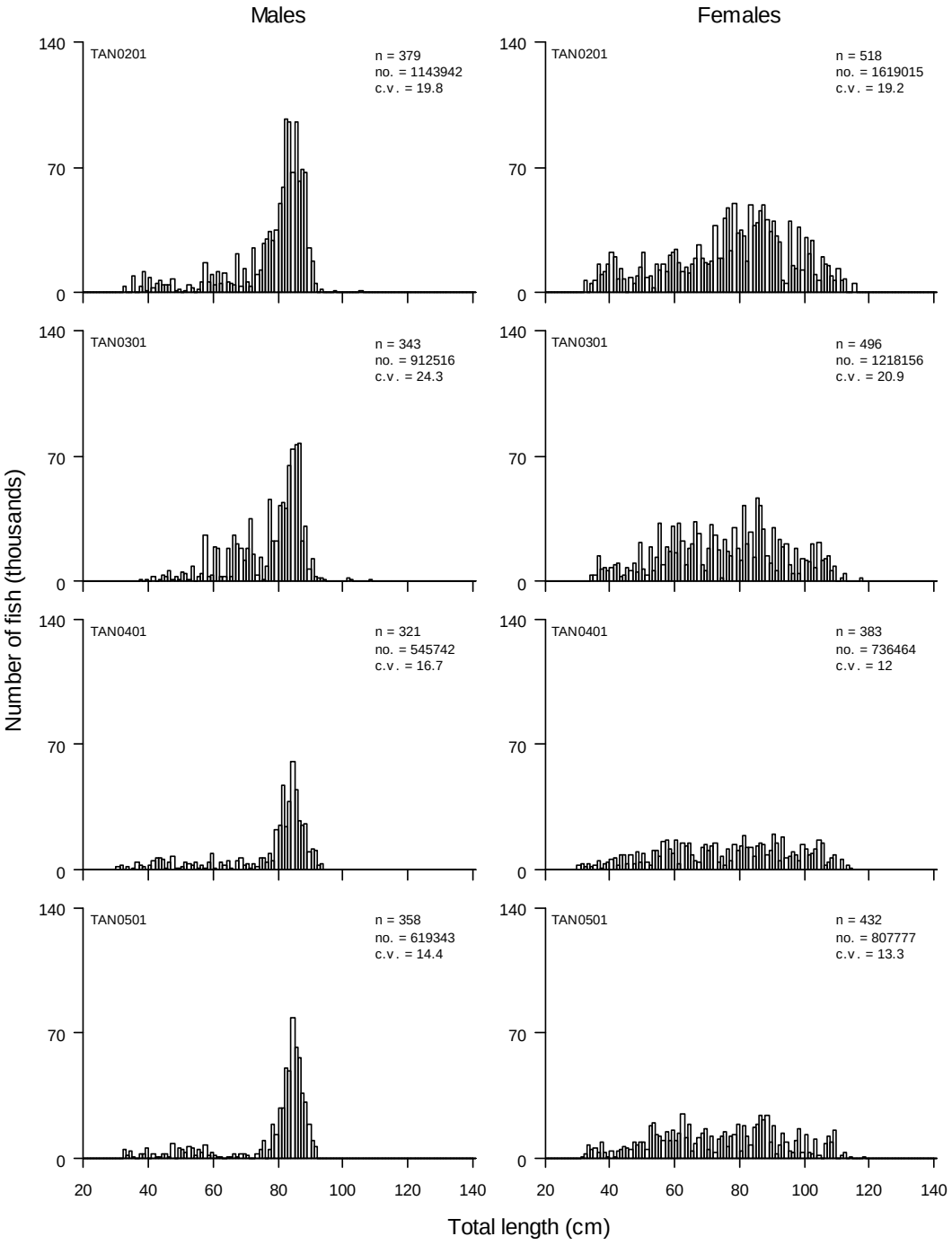

TAN0801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

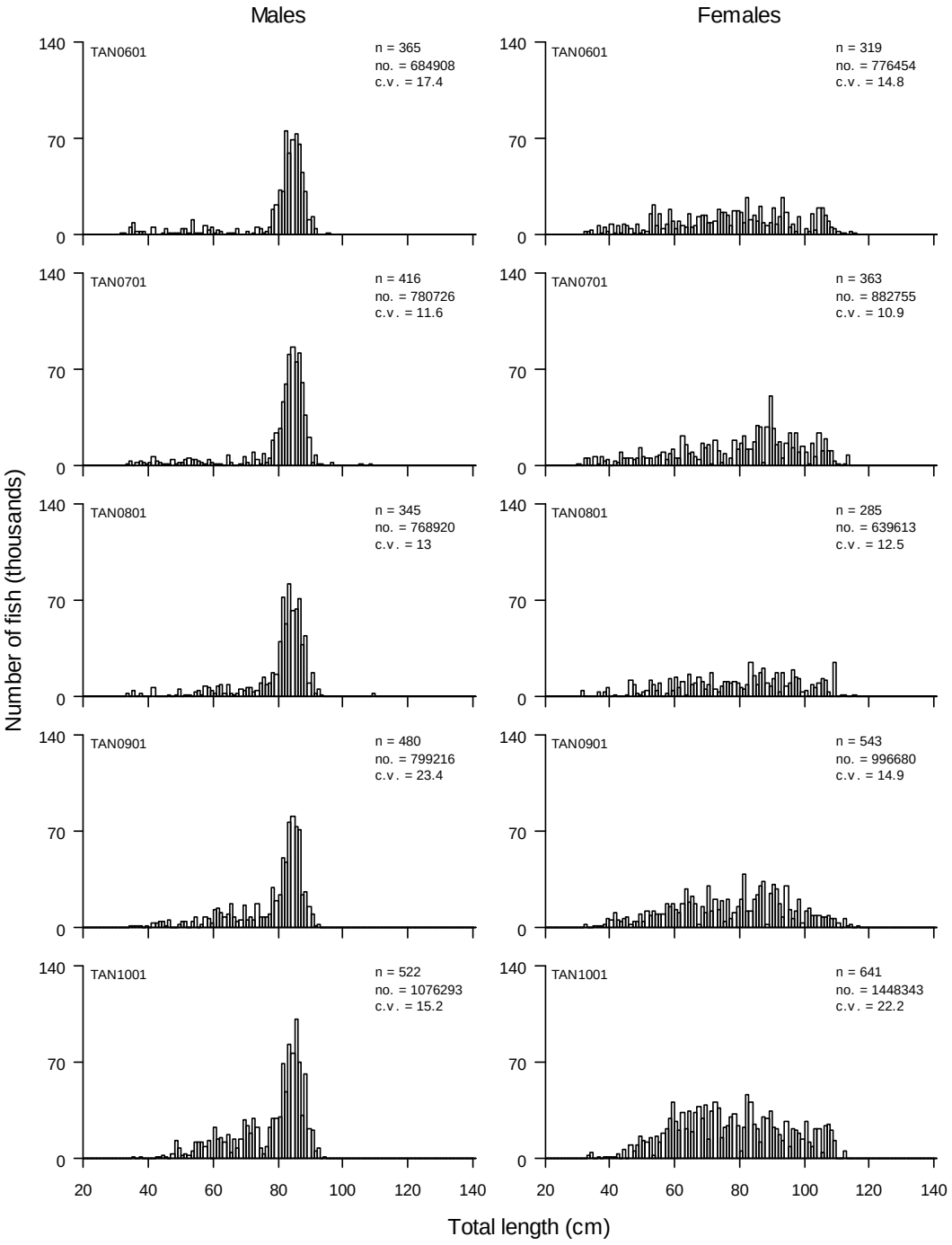

TAN0901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN1001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

Length Frequencies




Males
Females
TAN0201
n = 379
no. = 1143942
c.v. = 19.8
TAN0201
n = 518
no. = 1619015
c.v. = 19.2
TAN0301
n = 343
no. = 912516
c.v. = 24.3
TAN0301
n = 496
no. = 1218156
c.v. = 20.9
TAN0401
n = 321
no. = 545742
c.v. = 16.7
TAN0401
n = 383
no. = 736464
c.v. = 12
TAN0501
n = 358
no. = 619343
c.v. = 14.4
TAN0501
n = 432
no. = 807777
c.v. = 13.3
Number of fish (thousands)
0
70
140
20
40
60
80
100
120
140
Total length (cm)


Males
Females
TAN0601
n = 365
no. = 684908
c.v. = 17.4
TAN0601
n = 319
no. = 776454
c.v. = 14.8
TAN0701
n = 416
no. = 780726
c.v. = 11.6
TAN0701
n = 363
no. = 882755
c.v. = 10.9
TAN0801
n = 345
no. = 768920
c.v. = 13
TAN0801
n = 285
no. = 639613
c.v. = 12.5
TAN0901
n = 480
no. = 799216
c.v. = 23.4
TAN0901
n = 543
no. = 996680
c.v. = 14.9
TAN1001
n = 522
no. = 1076293
c.v. = 15.2
TAN1001
n = 641
no. = 1448343
c.v. = 22.2
Number of fish (thousands)
0
70
140
20
40
60
80
100
120
140
Total length (cm)

Gonad Stage Information (Cartilagenous)

Males

Year	p_M1	p_M2	p_M3	n_allM
1992	NA	NA	NA	0
1993	NA	NA	NA	0
1994	NA	NA	NA	0
1995	NA	NA	NA	0
1996	NA	NA	NA	0
1997	NA	NA	NA	0
1998	NA	NA	NA	0
1999	NA	NA	NA	0
2000	NA	NA	NA	0
2001	NA	NA	NA	0
2002	NA	NA	NA	0
2003	NA	NA	NA	0
2004	NA	NA	NA	0
2005	NA	NA	NA	0
2006	NA	NA	NA	0
2007	NA	NA	NA	0
2008	NA	NA	NA	0
2009	0.24	0.15	0.61	242
2010	0.41	0.18	0.42	356
ALL	0.34	0.17	0.49	598

Females

Year	p_F1	p_F2	p_F3	p_F4	p_F5	p_F6	n_allF
1992	NA	NA	NA	NA	NA	NA	0
1993	NA	NA	NA	NA	NA	NA	0
1994	NA	NA	NA	NA	NA	NA	0
1995	NA	NA	NA	NA	NA	NA	0
1996	NA	NA	NA	NA	NA	NA	0
1997	NA	NA	NA	NA	NA	NA	0
1998	NA	NA	NA	NA	NA	NA	0
1999	NA	NA	NA	NA	NA	NA	0
2000	NA	NA	NA	NA	NA	NA	0
2001	NA	NA	NA	NA	NA	NA	0
2002	NA	NA	NA	NA	NA	NA	0
2003	NA	NA	NA	NA	NA	NA	0
2004	NA	NA	NA	NA	NA	NA	0
2005	NA	NA	NA	NA	NA	NA	0
2006	NA	NA	NA	NA	NA	NA	0
2007	NA	NA	NA	NA	NA	NA	0
2008	NA	NA	NA	NA	NA	NA	0
2009	0.8	0.18	0.03	0	0	0	339
2010	0.61	0.33	0.05	0	0	0	452
ALL	0.69	0.27	0.04	0	0	0	791

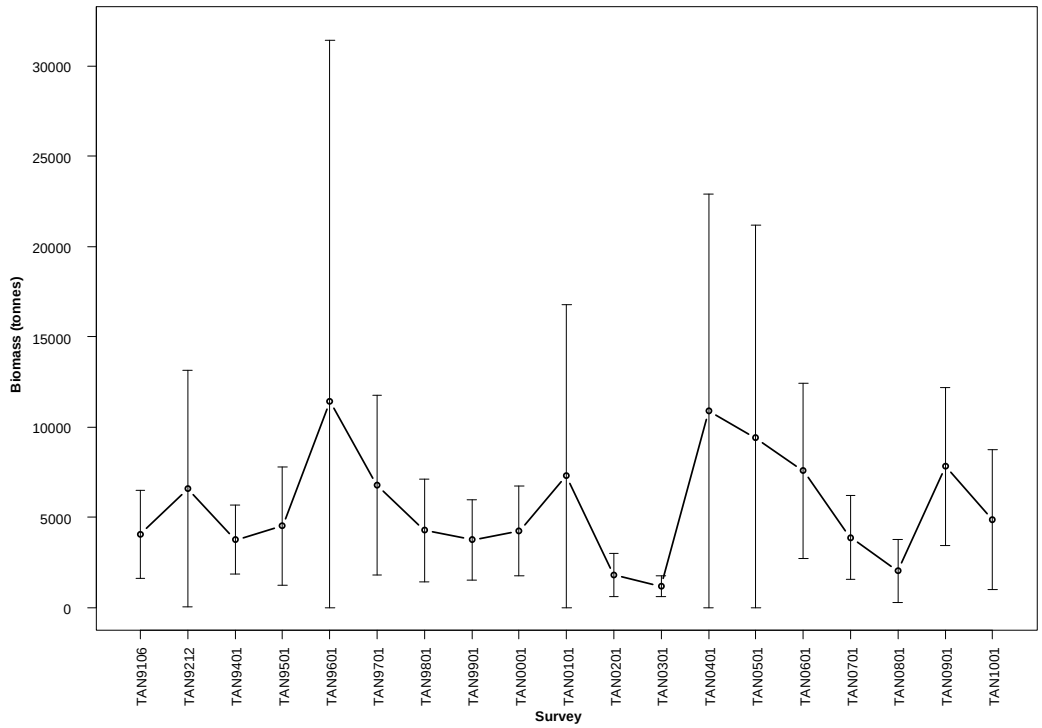
Spiky oreo (*Neocyttus rhomboidalis*) SOR

Number of surveys caught 1992–2010 (out of 19):	19
Total catch weight (kg):	40 271.5
Number measured	16 058
Length range (mean) (cm, TL)	10–44 (30.2)
Number weighed	3 349
Length-weight parameters a, b (r^2)	0.037853, 2.851444 (97.97)

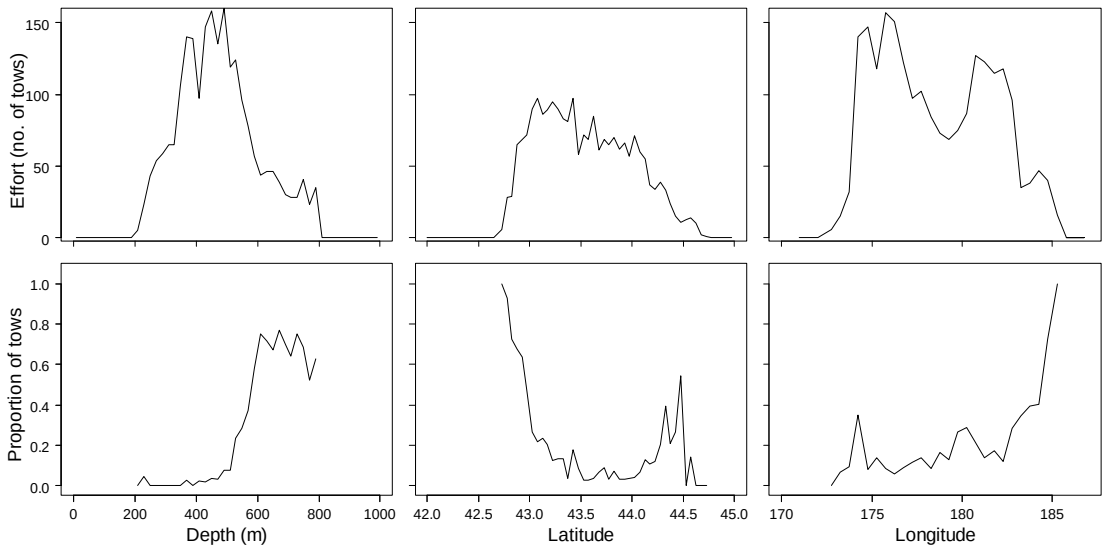
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **northeast**. Length frequencies are usually **unimodal**. Mean length **shows no clear trend** since the start of the time series. Gonad stage data indicate that most fish are **immature, resting, or maturing**.

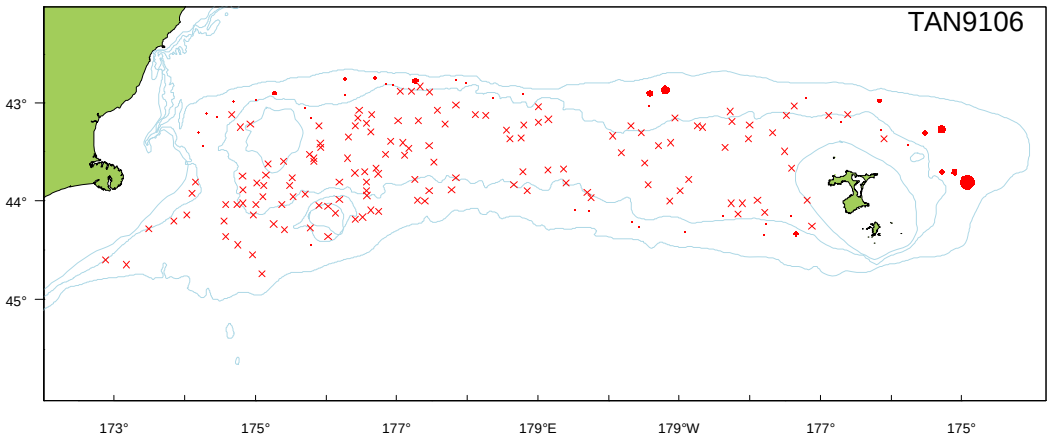
Relative biomass estimates and length summary

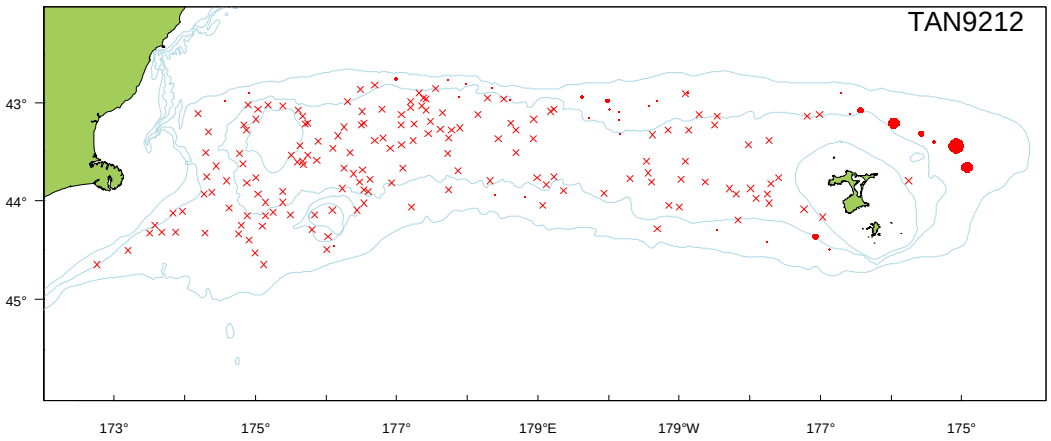
			Length (cm)			No.
Year	**Biomass (t)**	**cv (%)**	**Min.**	**Max.**	**Mean**	**measured**
1992	4 053	30	-	-	-	0
1993	6 577	50	14	41	31.3	216
1994	3 742	26	12	42	33.3	130
1995	4 503	36	-	-	-	0
1996	11 415	88	12	42	29.7	335
1997	6 770	37	11	43	30.1	695
1998	4 265	33	17	44	31.7	657
1999	3 745	30	13	44	31.1	662
2000	4 245	29	14	41	30.7	1 216
2001	7 300	65	10	42	29.3	1 690
2002	1 783	34	12	42	29.3	714
2003	1 179	25	11	42	28.7	537
2004	10 880	55	13	42	30.3	1 033
2005	9 385	63	10	43	30.4	1 205
2006	7 576	32	12	44	30.8	1 202
2007	3 868	30	10	42	30.6	871
2008	2 028	43	10	41	29.0	848
2009	7 824	28	11	43	31.4	1 404
2010	4 870	40	10	42	29.5	1 270

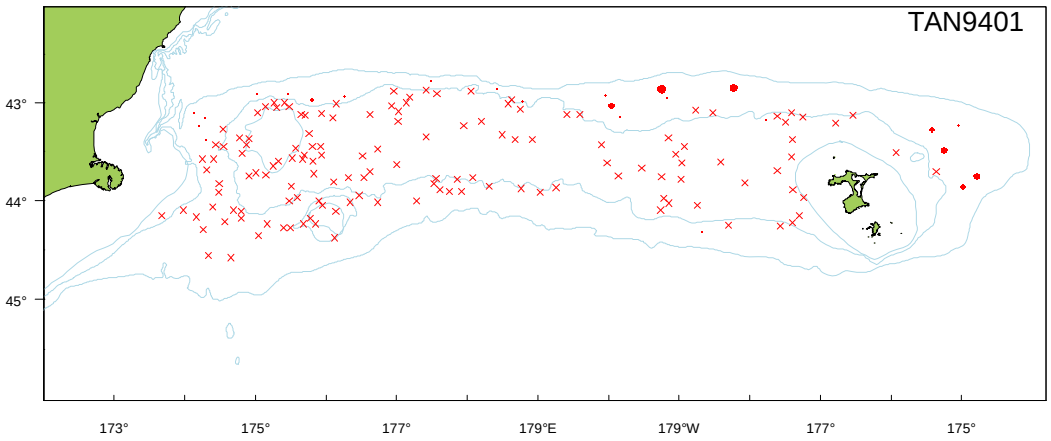


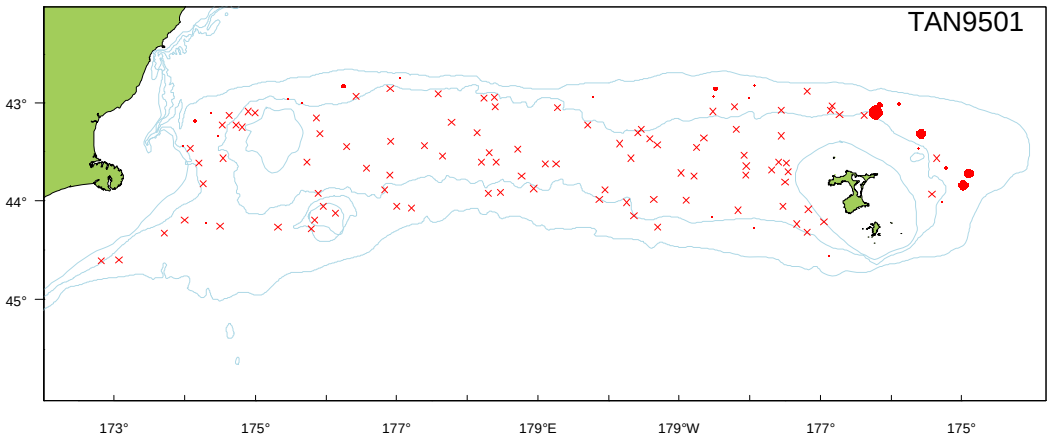
Distribution

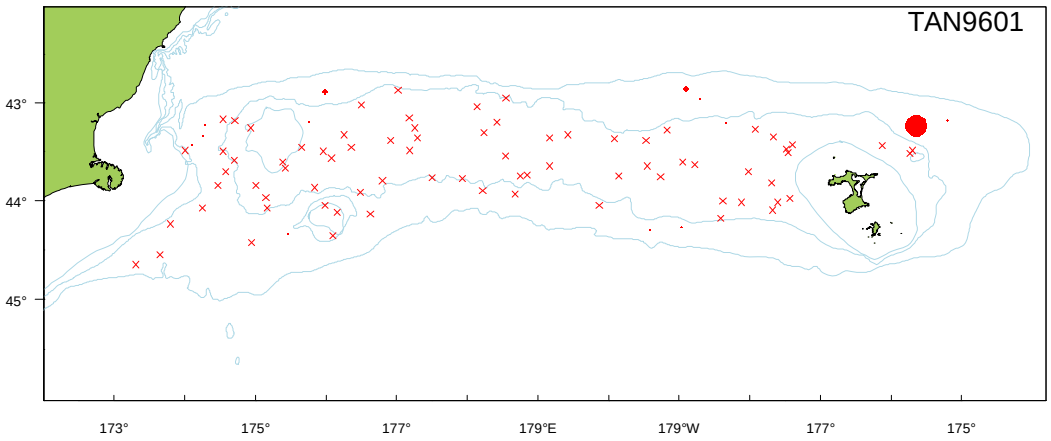


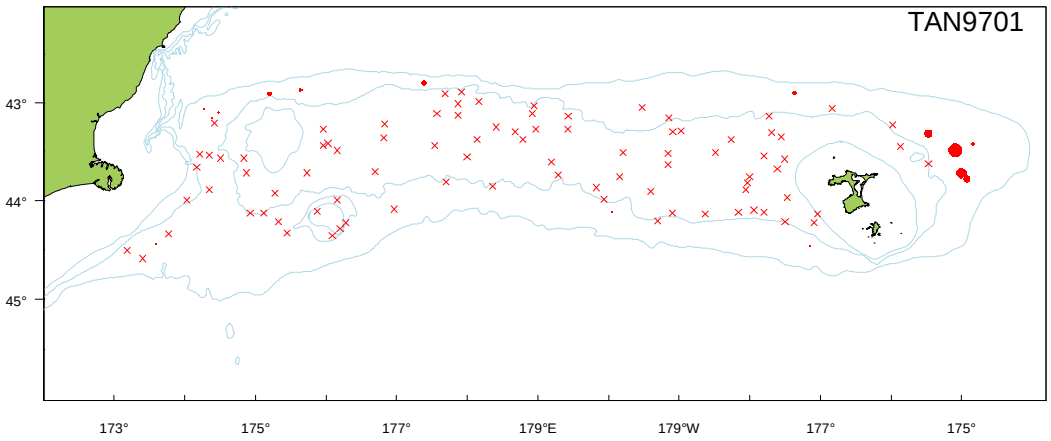

TAN9106
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

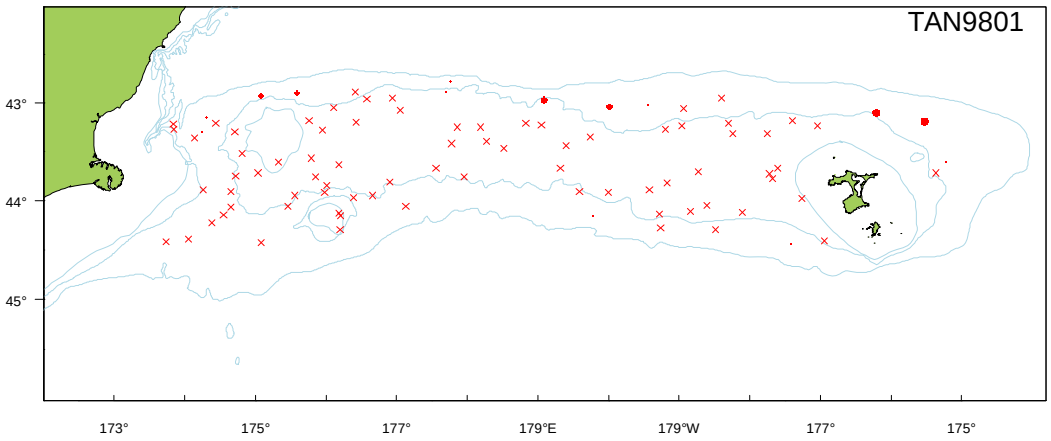

TAN9212
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

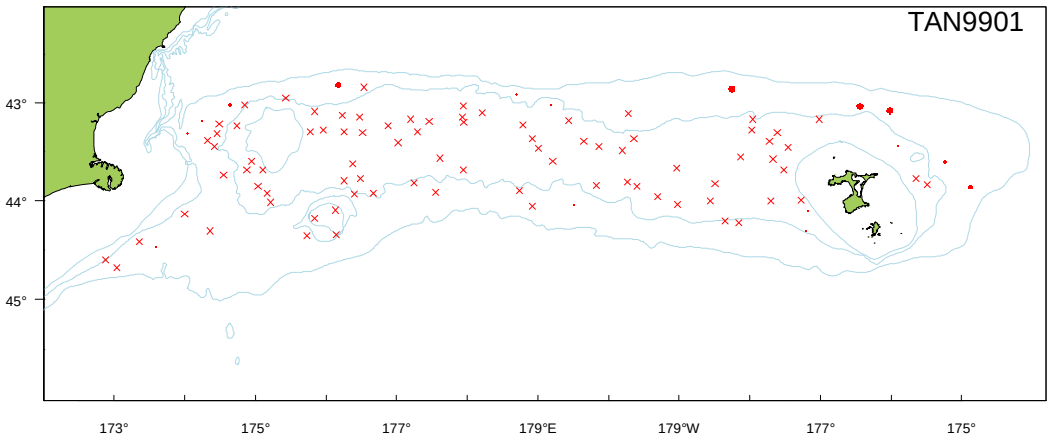

TAN9401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

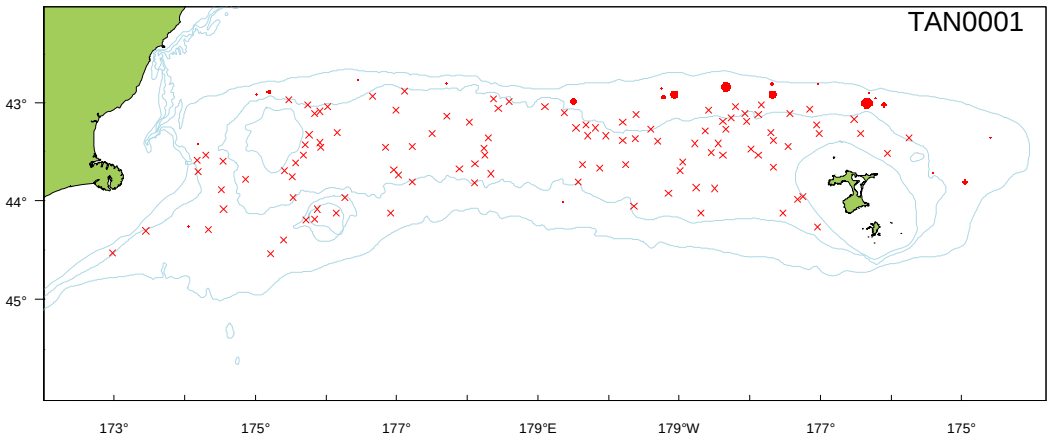

TAN9501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

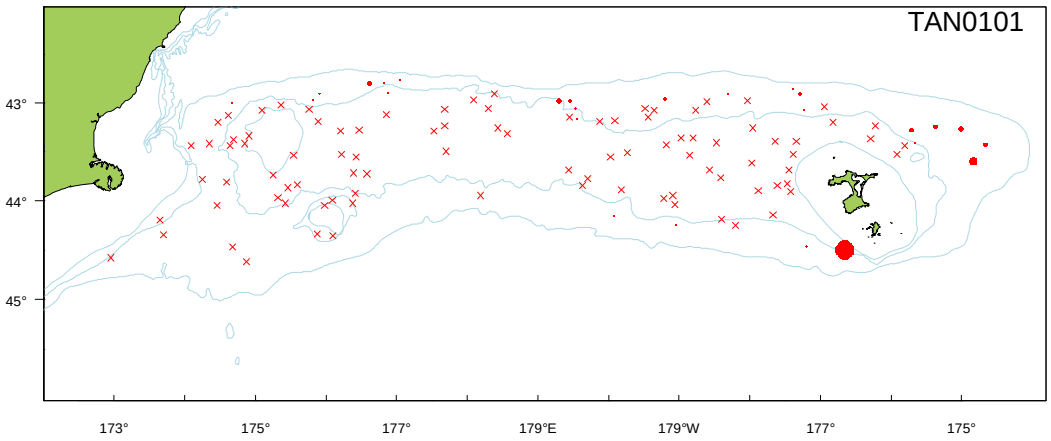

TAN9601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

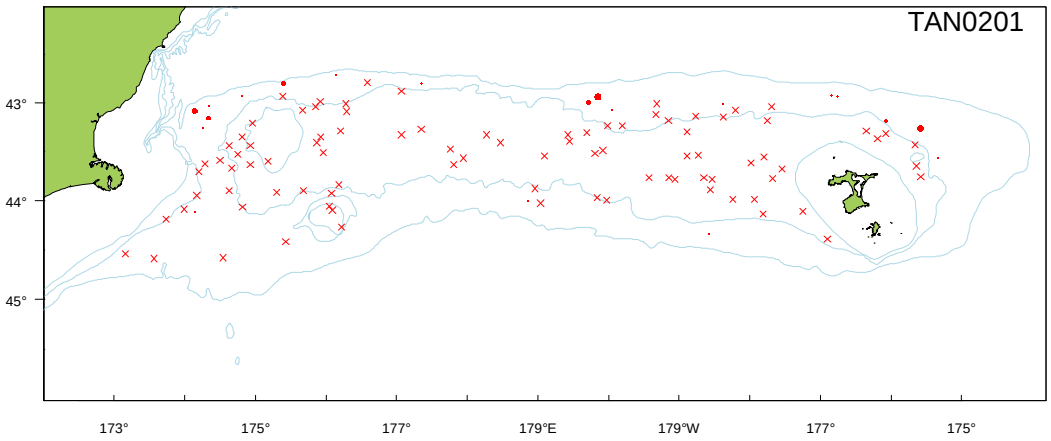

TAN9701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

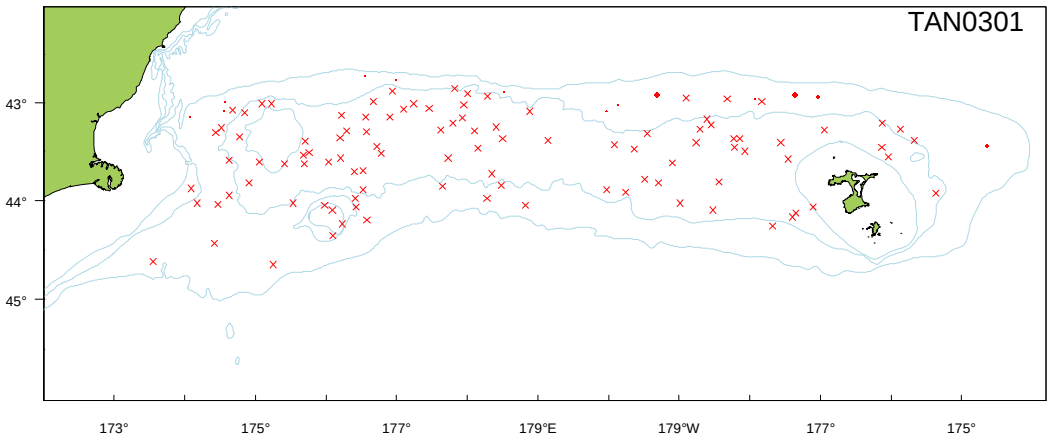

TAN9801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

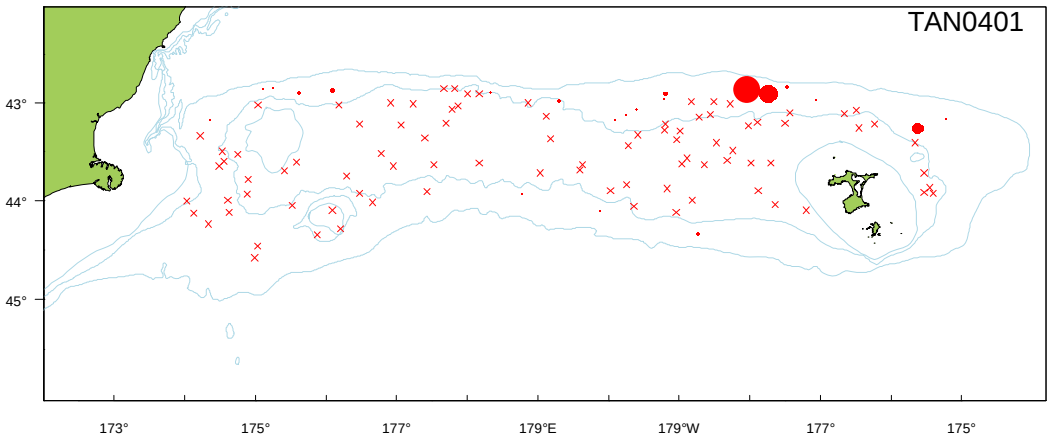

TAN9901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

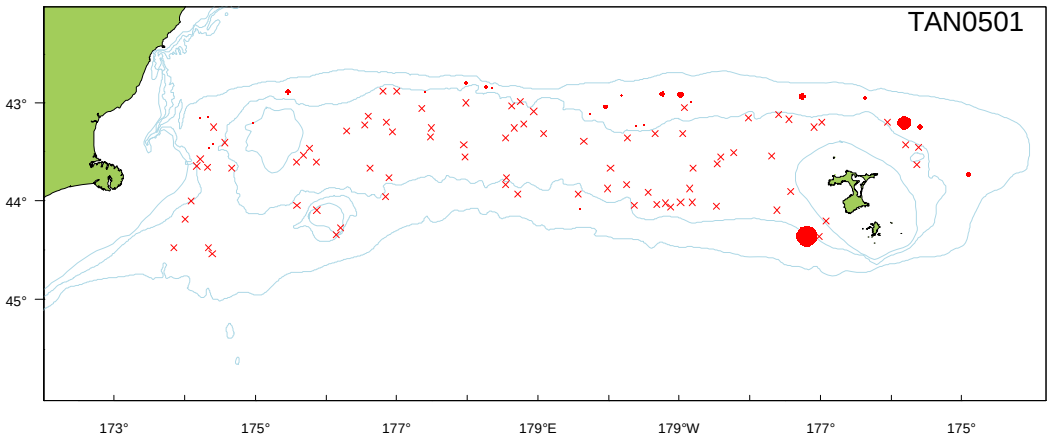

TAN0001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

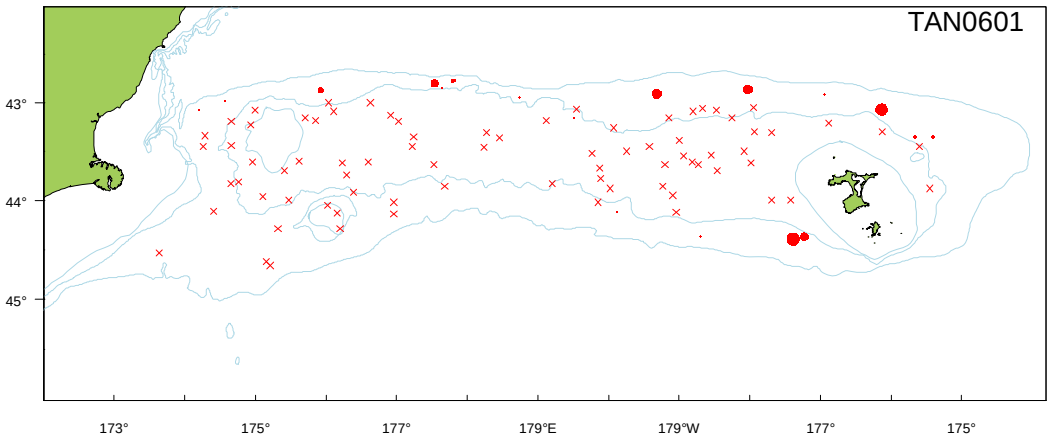

TAN0101
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

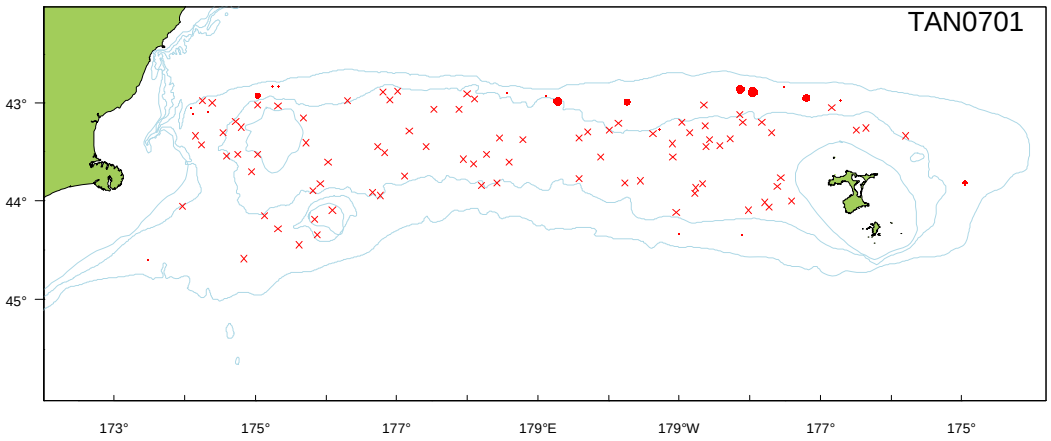

TAN0201
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

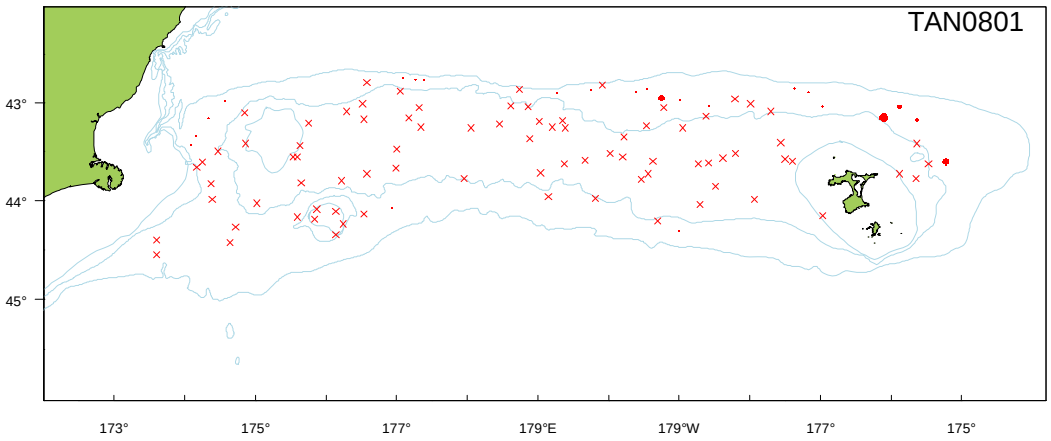

TAN0301
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

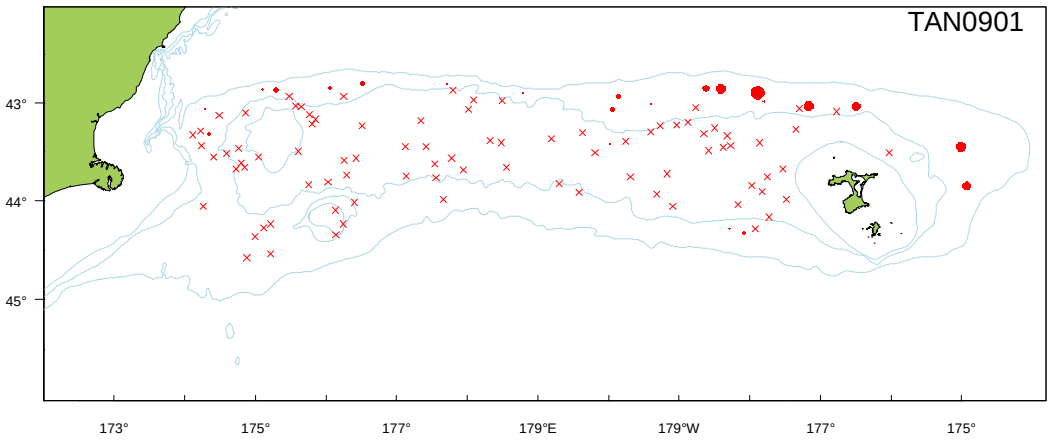

TAN0401
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

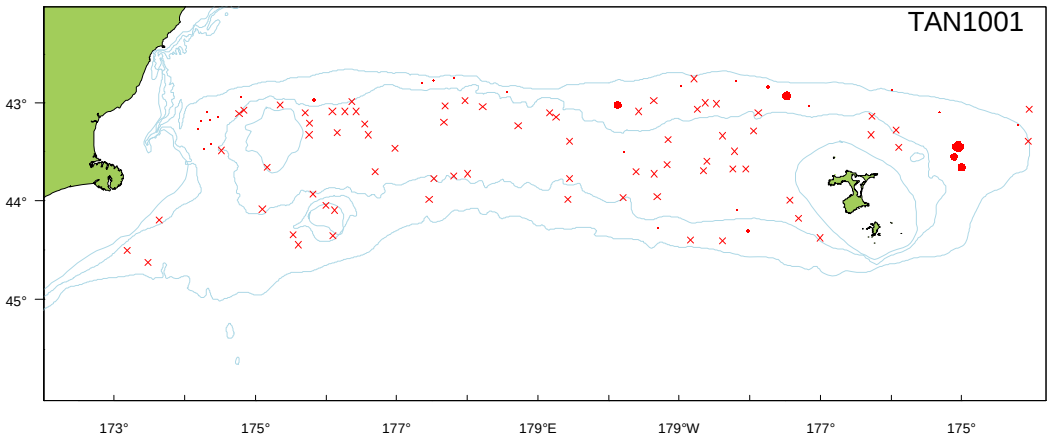

TAN0501
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN0601
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

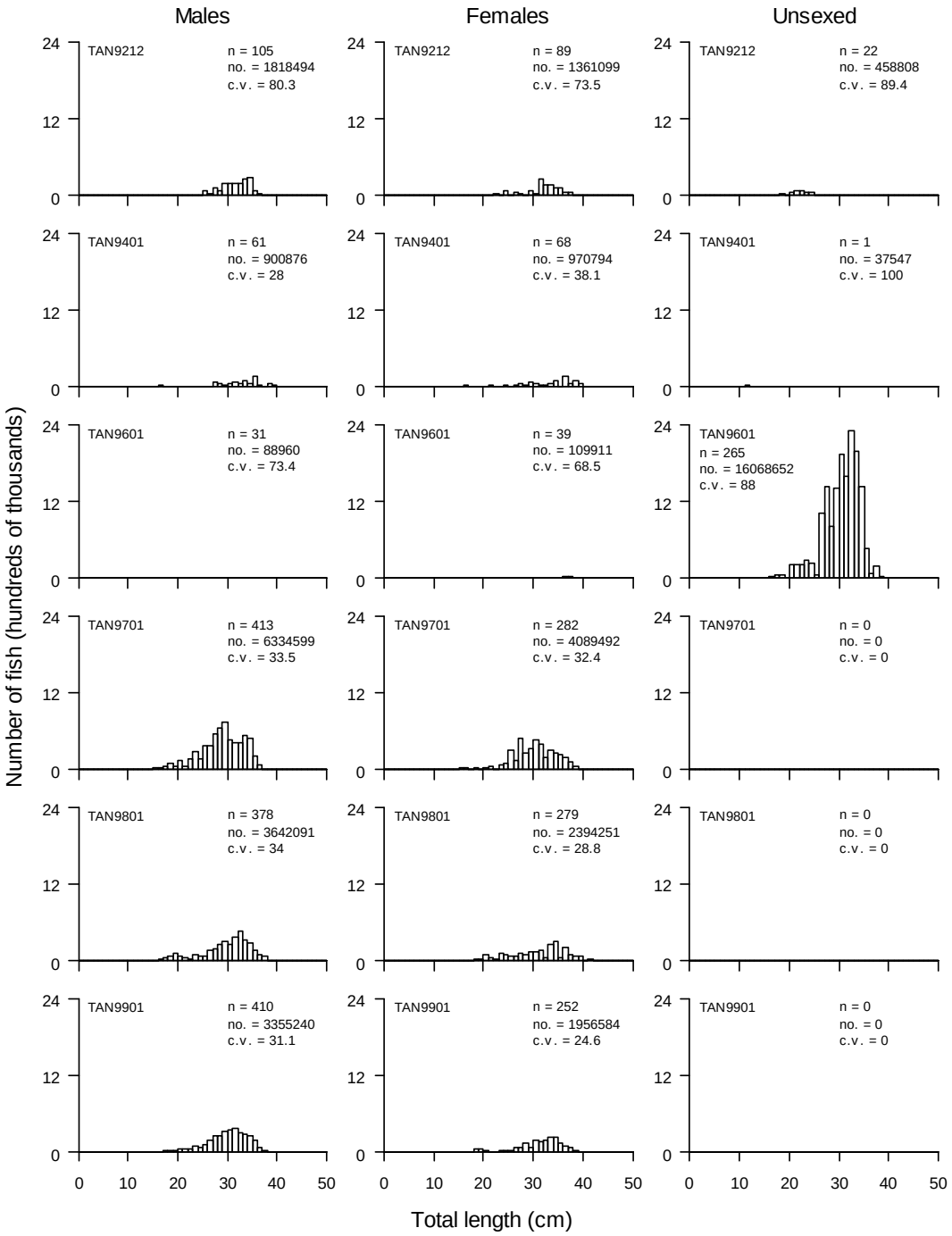

TAN0701
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

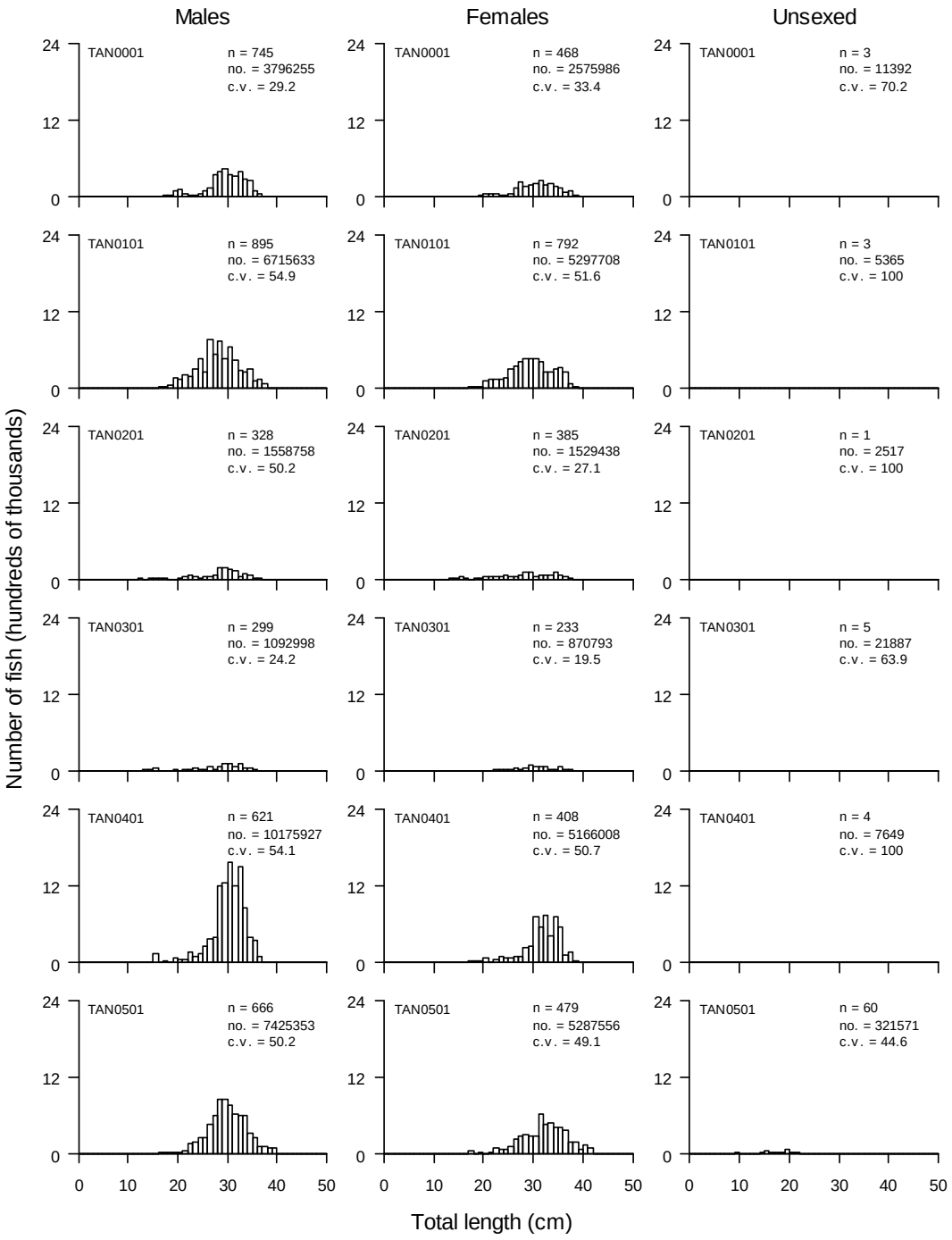

TAN0801
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

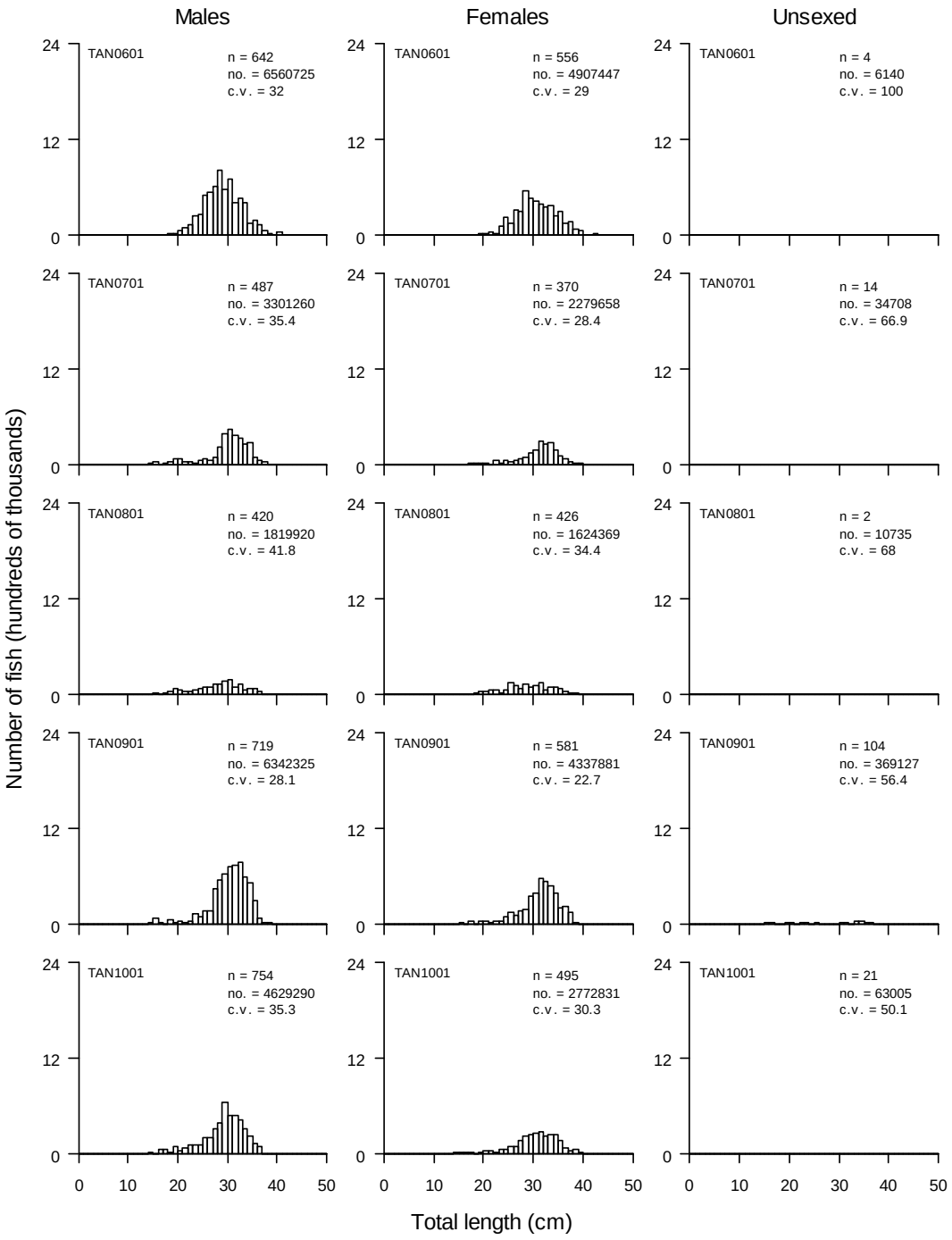

TAN0901
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°


TAN1001
43°
44°
45°
173°
175°
177°
179°E
179°W
177°
175°

Length Frequencies




Males
Females
Unsexed
TAN0001
n = 745
no. = 3796255
c.v. = 29.2
TAN0001
n = 468
no. = 2575986
c.v. = 33.4
TAN0001
n = 3
no. = 11392
c.v. = 70.2
TAN0101
n = 895
no. = 6715633
c.v. = 54.9
TAN0101
n = 792
no. = 5297708
c.v. = 51.6
TAN0101
n = 3
no. = 5365
c.v. = 100
TAN0201
n = 328
no. = 1558758
c.v. = 50.2
TAN0201
n = 385
no. = 1529438
c.v. = 27.1
TAN0201
n = 1
no. = 2517
c.v. = 100
TAN0301
n = 299
no. = 1092998
c.v. = 24.2
TAN0301
n = 233
no. = 870793
c.v. = 19.5
TAN0301
n = 5
no. = 21887
c.v. = 63.9
TAN0401
n = 621
no. = 10175927
c.v. = 54.1
TAN0401
n = 408
no. = 5166008
c.v. = 50.7
TAN0401
n = 4
no. = 7649
c.v. = 100
TAN0501
n = 666
no. = 7425353
c.v. = 50.2
TAN0501
n = 479
no. = 5287556
c.v. = 49.1
TAN0501
n = 60
no. = 321571
c.v. = 44.6
Number of fish (hundreds of thousands)
Total length (cm)
0
12
24
0
10
20
30
40
50


Males
Females
Unsexed
Number of fish (hundreds of thousands)
Total length (cm)
TAN0601
n = 642
no. = 6560725
c.v. = 32
TAN0601
n = 556
no. = 4907447
c.v. = 29
TAN0601
n = 4
no. = 6140
c.v. = 100
TAN0701
n = 487
no. = 3301260
c.v. = 35.4
TAN0701
n = 370
no. = 2279658
c.v. = 28.4
TAN0701
n = 14
no. = 34708
c.v. = 66.9
TAN0801
n = 420
no. = 1819920
c.v. = 41.8
TAN0801
n = 426
no. = 1624369
c.v. = 34.4
TAN0801
n = 2
no. = 10735
c.v. = 68
TAN0901
n = 719
no. = 6342325
c.v. = 28.1
TAN0901
n = 581
no. = 4337881
c.v. = 22.7
TAN0901
n = 104
no. = 369127
c.v. = 56.4
TAN1001
n = 754
no. = 4629290
c.v. = 35.3
TAN1001
n = 495
no. = 2772831
c.v. = 30.3
TAN1001
n = 21
no. = 63005
c.v. = 50.1
0
12
24
0
10
20
30
40
50

Gonad Stage Information (Middle Depths)

Males

Year	p_M1	p_M2	p_M3	p_M4	p_M5	p_M6	p_M7	n_allM
1992	NA	NA	NA	NA	NA	NA	NA	0
1993	NA	NA	NA	NA	NA	NA	NA	0
1994	NA	NA	NA	NA	NA	NA	NA	0
1995	NA	NA	NA	NA	NA	NA	NA	0
1996	NA	NA	NA	NA	NA	NA	NA	0
1997	NA	NA	NA	NA	NA	NA	NA	0
1998	NA	NA	NA	NA	NA	NA	NA	0
1999	0	0.43	0.43	0	0	0.14	0	7
2000	NA	NA	NA	NA	NA	NA	NA	0
2001	NA	NA	NA	NA	NA	NA	NA	0
2002	NA	NA	NA	NA	NA	NA	NA	0
2003	NA	NA	NA	NA	NA	NA	NA	0
2004	NA	NA	NA	NA	NA	NA	NA	0
2005	NA	NA	NA	NA	NA	NA	NA	0
2006	NA	NA	NA	NA	NA	NA	NA	0
2007	NA	NA	NA	NA	NA	NA	NA	0
2008	NA	NA	NA	NA	NA	NA	NA	0
2009	NA	NA	NA	NA	NA	NA	NA	0
2010	0.58	0.23	0.05	0.13	0	0	0	60
ALL	0.52	0.25	0.09	0.12	0	0.01	0	67

Females

Year	p_F1	p_F2	p_F3	p_F4	p_F5	p_F6	p_F7	n_allF
1992	NA	NA	NA	NA	NA	NA	NA	0
1993	NA	NA	NA	NA	NA	NA	NA	0
1994	NA	NA	NA	NA	NA	NA	NA	0
1995	NA	NA	NA	NA	NA	NA	NA	0
1996	NA	NA	NA	NA	NA	NA	NA	0
1997	NA	NA	NA	NA	NA	NA	NA	0
1998	NA	NA	NA	NA	NA	NA	NA	0
1999	0	0	0.25	0	0	0.5	0.25	4
2000	NA	NA	NA	NA	NA	NA	NA	0
2001	NA	NA	NA	NA	NA	NA	NA	0
2002	NA	NA	NA	NA	NA	NA	NA	0
2003	NA	NA	NA	NA	NA	NA	NA	0
2004	NA	NA	NA	NA	NA	NA	NA	0
2005	NA	NA	NA	NA	NA	NA	NA	0
2006	NA	NA	NA	NA	NA	NA	NA	0
2007	NA	NA	NA	NA	NA	NA	NA	0
2008	NA	NA	NA	NA	NA	NA	NA	0
2009	NA	NA	NA	NA	NA	NA	NA	0
2010	0.38	0.26	0.28	0.03	0	0.05	0	39
ALL	0.35	0.23	0.28	0.02	0	0.09	0.02	43

Gonad Stage Information (Deepwater)

Males

Year	p_M1	p_M2	p_M3	p_M4	p_M5	p_M6	p_M7	p_M8	p_M9	n_allM
1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2010	0.41	0.45	0.08	0	0.06	0	0	0	0	312
ALL	0.41	0.45	0.08	0	0.06	0	0	0	0	312

Females

Year	p_F1	p_F2	p_F3	p_F4	p_F5	p_F6	p_F7	p_F8	p_F9	n_allF
1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	0
2010	0.28	0.43	0.29	0	0	0	0	0	0	228
ALL	0.28	0.43	0.29	0	0	0	0	0	0	228