

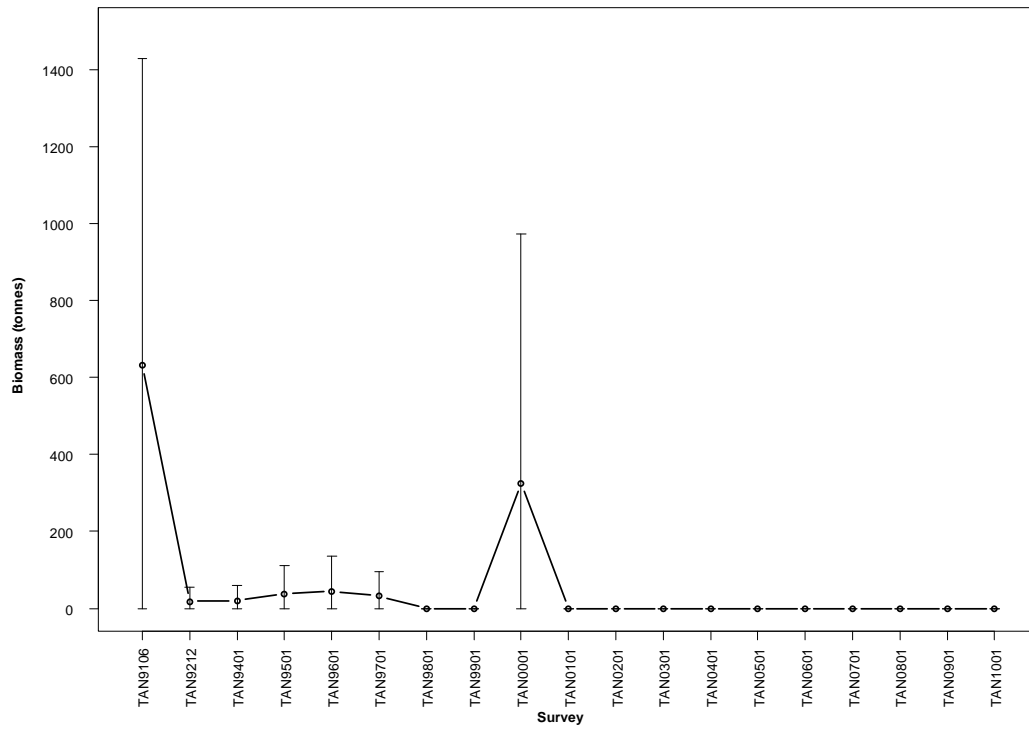


| | |
|---|---------|
| Number of surveys caught 1992–2010 (out of 19): | 8 |
| Total catch weight (kg): | 1 013.0 |
| Number measured | 0 |
| Length range (mean) (cm) | – |
| Number weighed | 0 |
| Length-weight parameters a, b (r^2) | – |

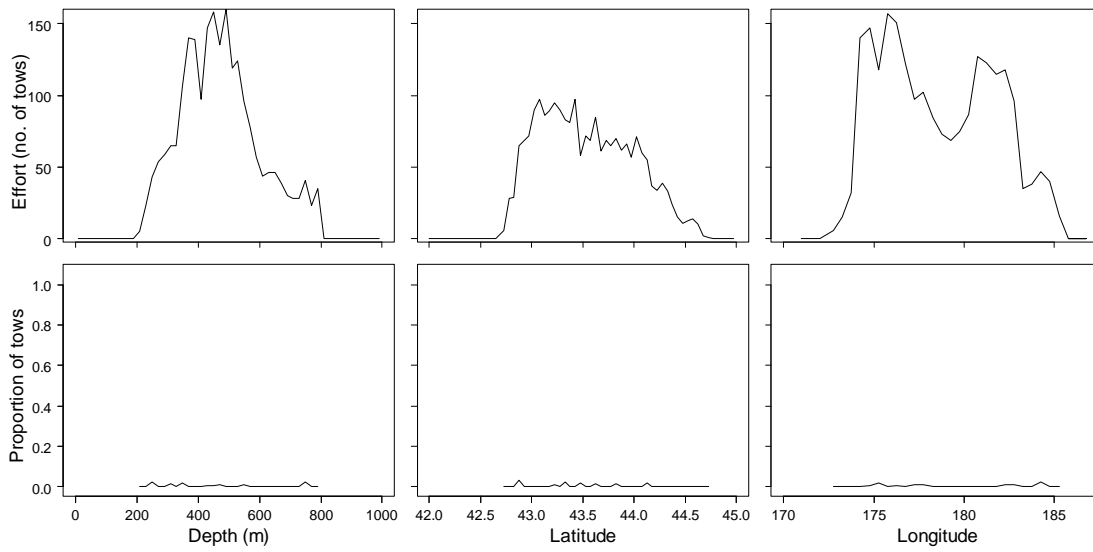
The core survey area and depth range **is not** appropriate for this species. It occurs in midwater. Biomass of this species is **poorly** estimated in the core survey area. Biomass has **decreased** since the start of the time series.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 631 | 63 |
| 1993 | 18 | 100 |
| 1994 | 20 | 100 |
| 1995 | 37 | 100 |
| 1996 | 45 | 100 |
| 1997 | 32 | 100 |
| 1998 | 0 | - |
| 1999 | 0 | - |
| 2000 | 324 | 100 |
| 2001 | 0 | - |
| 2002 | 0 | - |
| 2003 | 0 | - |
| 2004 | 0 | - |
| 2005 | 0 | - |
| 2006 | 0 | - |
| 2007 | 0 | - |
| 2008 | 0 | - |
| 2009 | 0 | - |
| 2010 | 0 | - |



Distribution



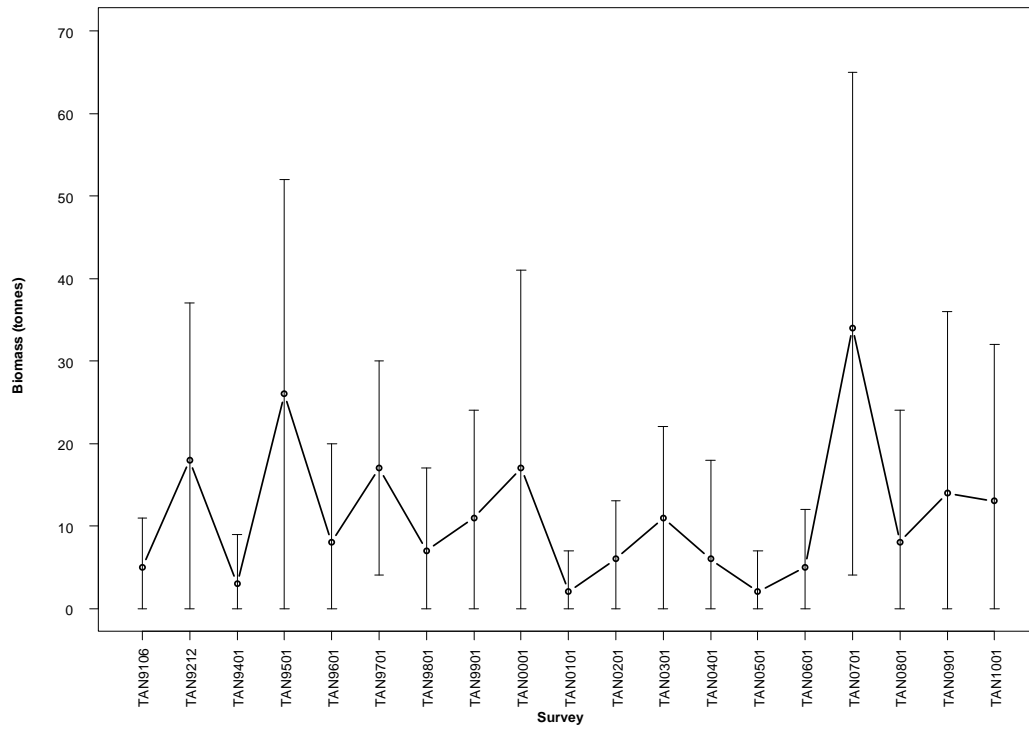


| | |
|---|------------|
| Number of surveys caught 1992–2010 (out of 19): | 19 |
| Total catch weight (kg): | 71.6 |
| Number measured | 3 |
| Length range (mean) (cm, TL) | 53–53 (53) |
| Number weighed | 3 |
| Length-weight parameters a, b (r^2) | – |

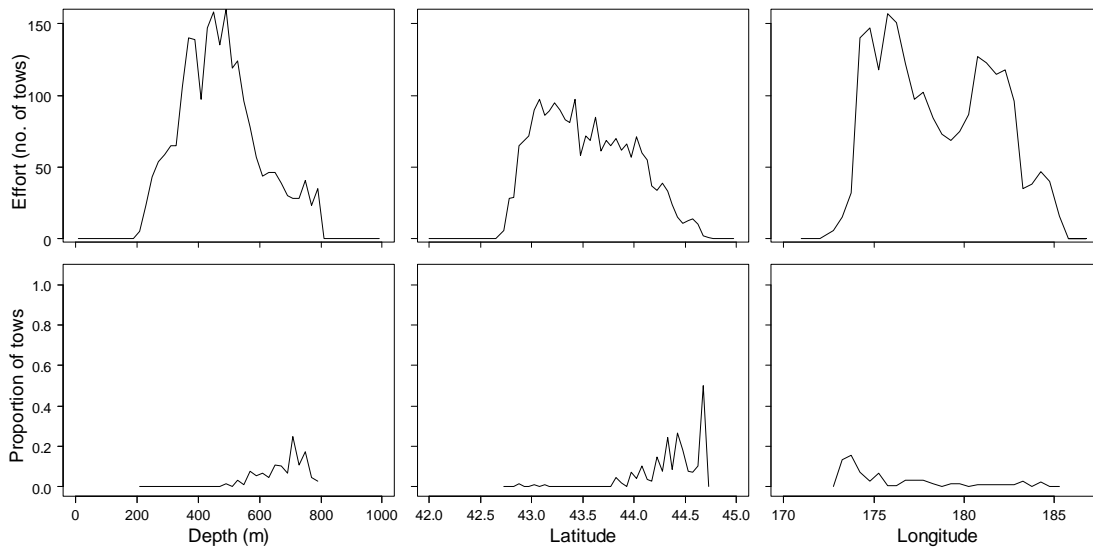
The core survey area and depth range **is** appropriate for this species. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **south**.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 5 | 55 |
| 1993 | 18 | 51 |
| 1994 | 3 | 93 |
| 1995 | 26 | 50 |
| 1996 | 8 | 79 |
| 1997 | 17 | 38 |
| 1998 | 7 | 72 |
| 1999 | 11 | 60 |
| 2000 | 17 | 72 |
| 2001 | 2 | 100 |
| 2002 | 6 | 66 |
| 2003 | 11 | 50 |
| 2004 | 6 | 100 |
| 2005 | 2 | 100 |
| 2006 | 5 | 71 |
| 2007 | 34 | 44 |
| 2008 | 8 | 100 |
| 2009 | 14 | 80 |
| 2010 | 13 | 71 |



Distribution



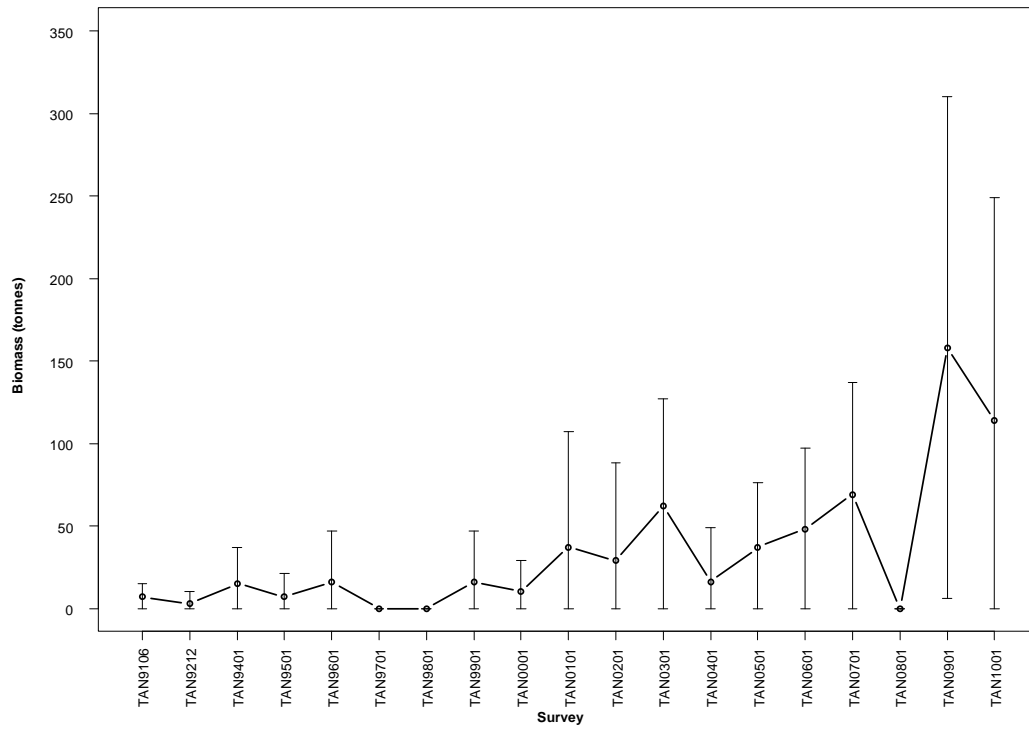


| | |
|---|--------------|
| Number of surveys caught 1992–2010 (out of 19): | 16 |
| Total catch weight (kg): | 268.8 |
| Number measured | 226 |
| Length range (mean) (cm, TL) | 37–77 (53.6) |
| Number weighed | 136 |
| Length-weight parameters a, b (r^2) | – |

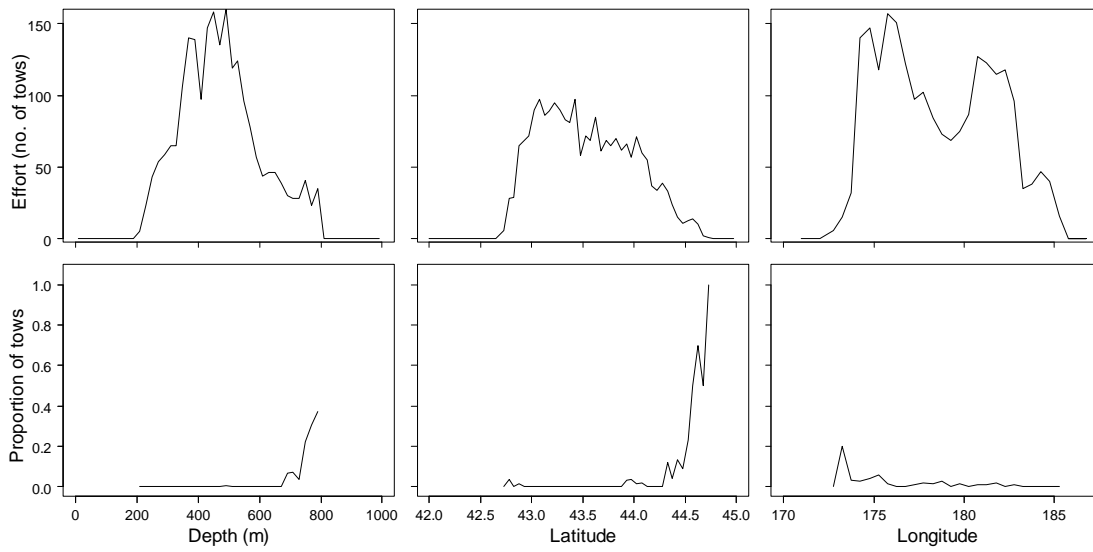
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass has **increased** since the start of the time series. Catch rates are highest in the **south**.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 7 | 62 |
| 1993 | 3 | 100 |
| 1994 | 15 | 70 |
| 1995 | 7 | 100 |
| 1996 | 16 | 100 |
| 1997 | 0 | - |
| 1998 | 0 | - |
| 1999 | 16 | 100 |
| 2000 | 10 | 100 |
| 2001 | 37 | 95 |
| 2002 | 29 | 100 |
| 2003 | 62 | 53 |
| 2004 | 16 | 100 |
| 2005 | 37 | 51 |
| 2006 | 48 | 50 |
| 2007 | 69 | 50 |
| 2008 | 0 | - |
| 2009 | 158 | 48 |
| 2010 | 114 | 60 |



Distribution



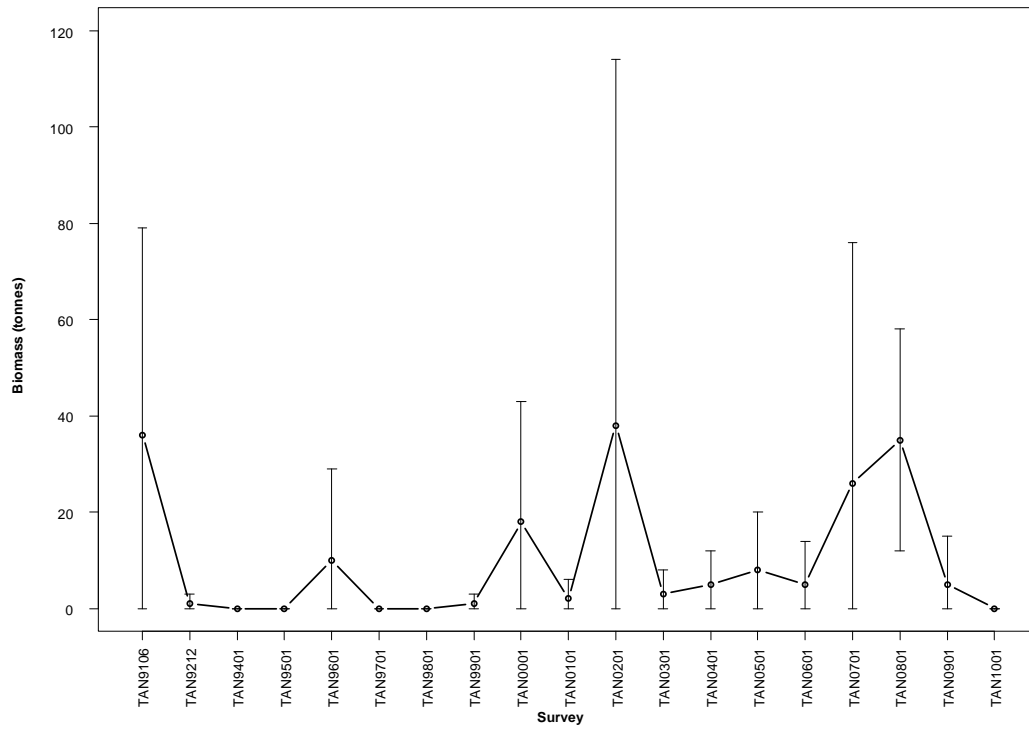


| | |
|---|--------------|
| Number of surveys caught 1992–2010 (out of 19): | 14 |
| Total catch weight (kg): | 111.9 |
| Number measured | 7 |
| Length range (mean) (cm, TL) | 47–53 (51.3) |
| Number weighed | 2 |
| Length-weight parameters a, b (r^2) | – |

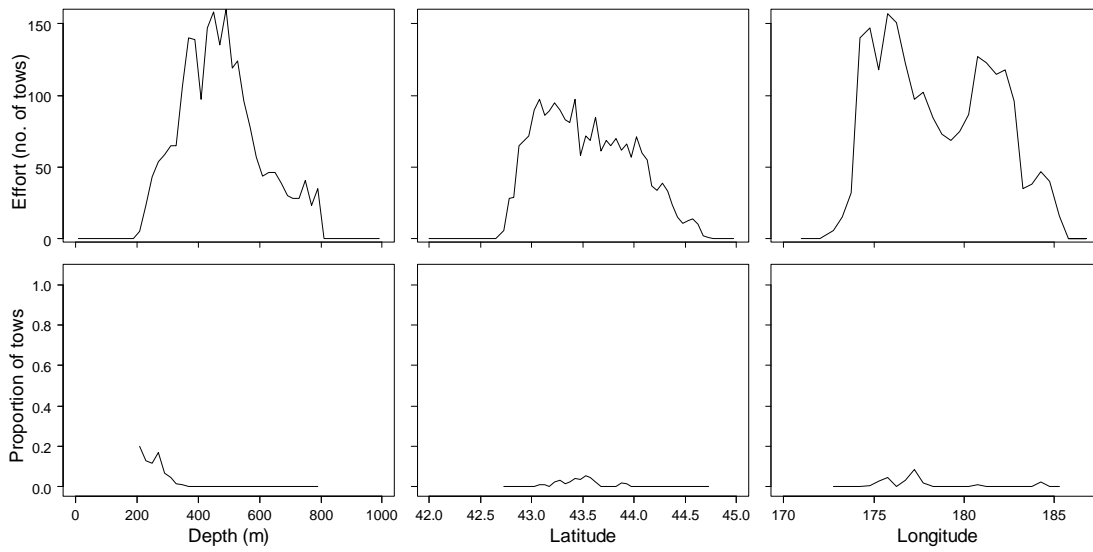
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 36 | 59 |
| 1993 | 1 | 100 |
| 1994 | 0 | - |
| 1995 | 0 | - |
| 1996 | 10 | 100 |
| 1997 | 0 | - |
| 1998 | 0 | - |
| 1999 | 1 | 100 |
| 2000 | 18 | 68 |
| 2001 | 2 | 100 |
| 2002 | 38 | 100 |
| 2003 | 3 | 90 |
| 2004 | 5 | 71 |
| 2005 | 8 | 72 |
| 2006 | 5 | 100 |
| 2007 | 26 | 93 |
| 2008 | 35 | 33 |
| 2009 | 5 | 100 |
| 2010 | 0 | - |



Distribution



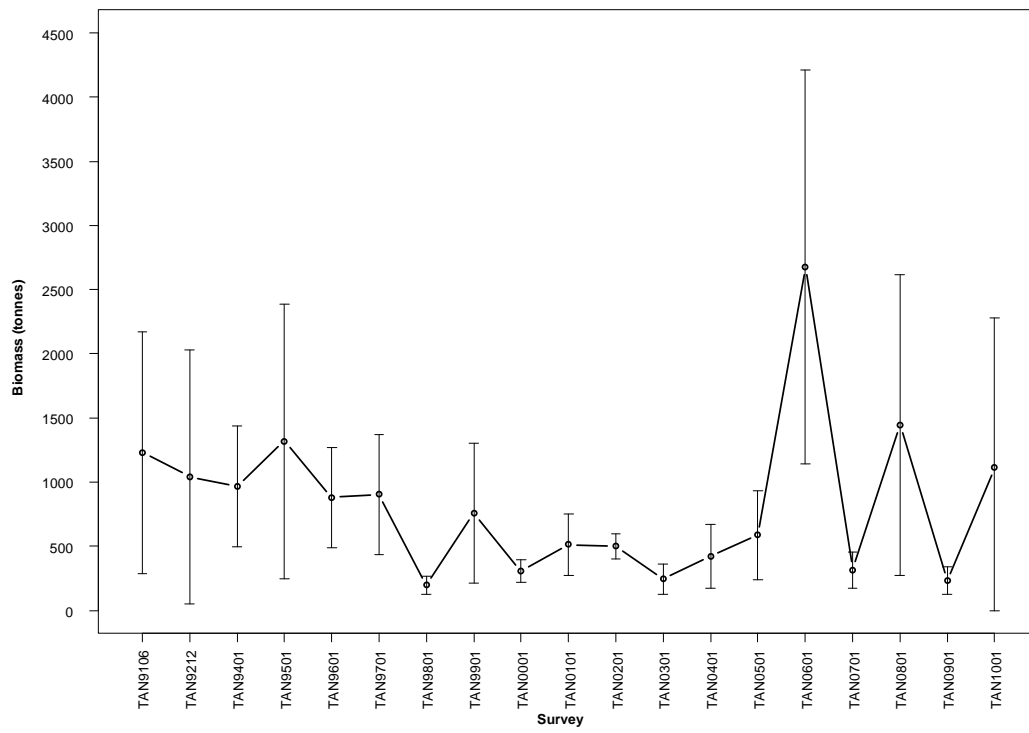


| | |
|---|----------------------------|
| Number of surveys caught 1992–2010 (out of 19): | 19 |
| Total catch weight (kg): | 11 967.4 |
| Number measured | 15 889 |
| Length range (mean) (cm, ML) | 8–41 (23.3) |
| Number weighed | 1 471 |
| Length-weight parameters a, b (r ²) | 0.016761, 3.100632 (92.83) |

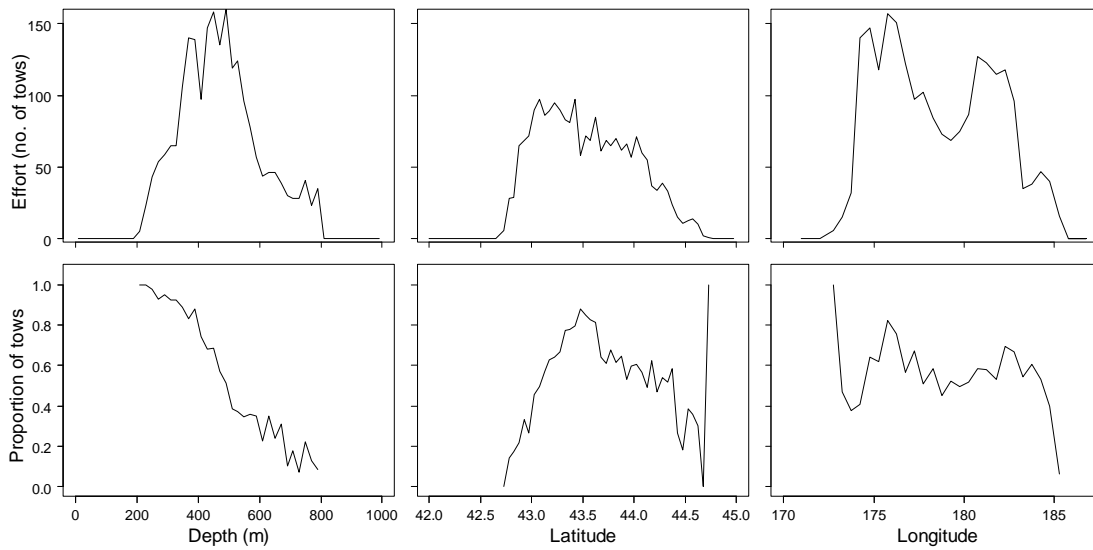
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **well** estimated in the core survey area. Biomass has **decreased and then increased** since the start of the time series. Catch rates are highest in the **west**. Length frequencies are usually **unimodal**. Mean length has **increased then decreased** since the start of the time series.

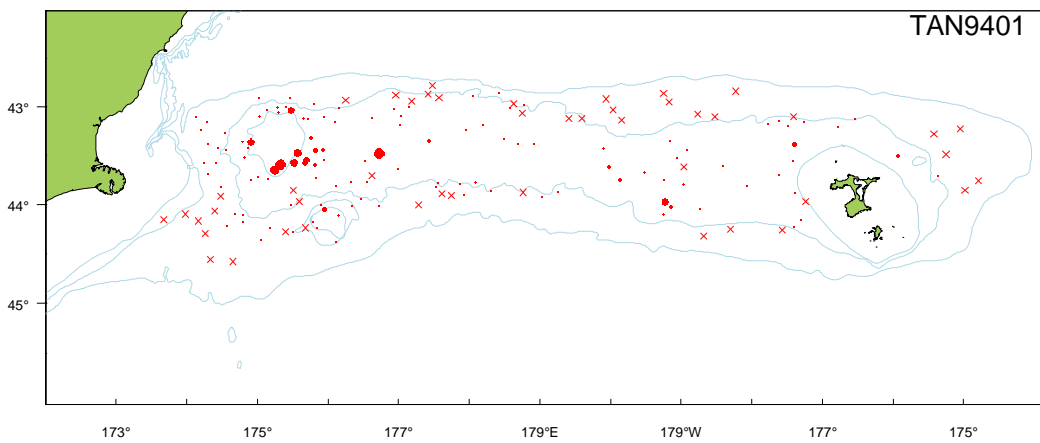
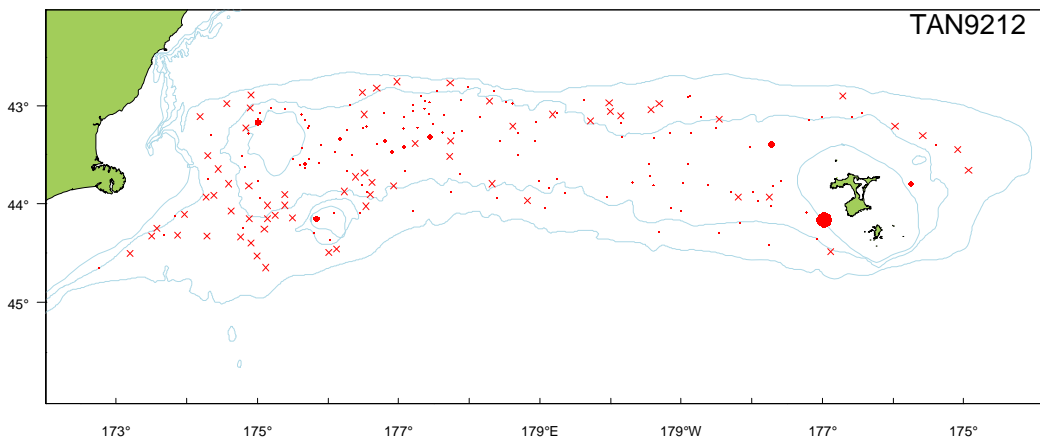
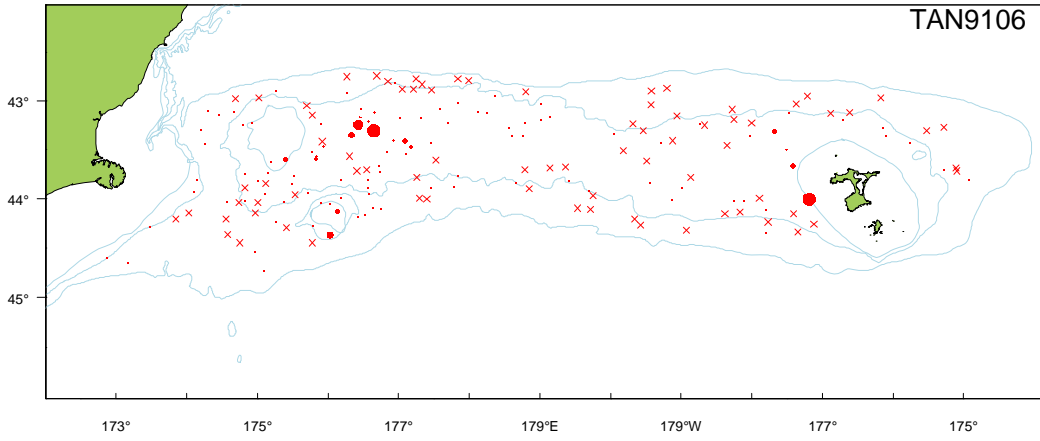
Relative biomass estimates and length summary

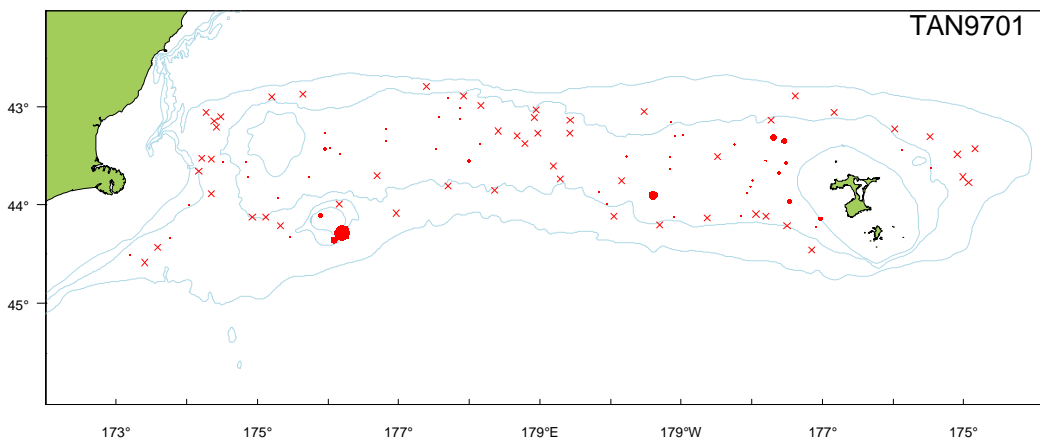
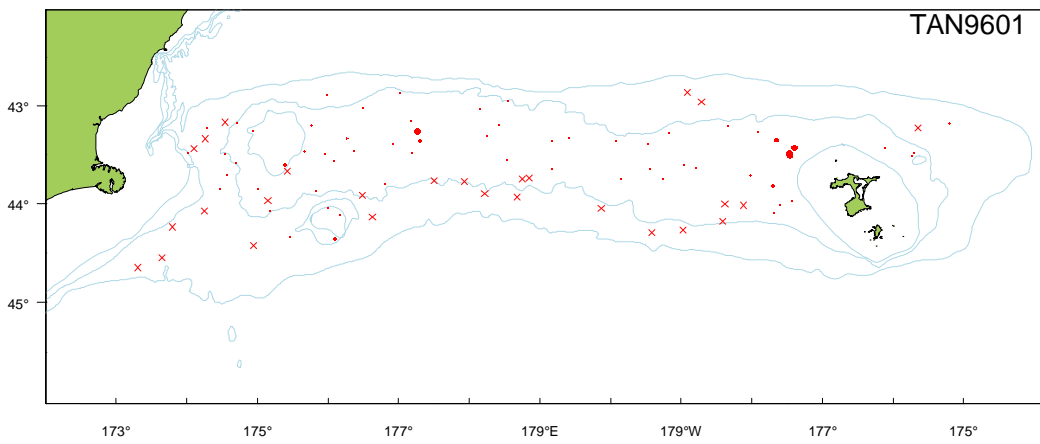
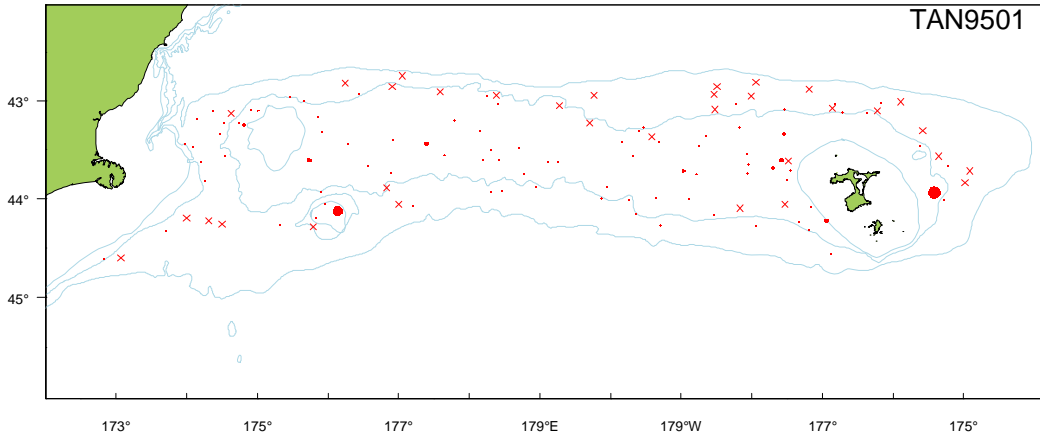
| Year | Biomass (t) | cv (%) | Length (cm) | | | No. measure d |
|------|-------------|--------|-------------|------|------|------------------|
| | | | Min. | Max. | Mean | |
| 1992 | 1 231 | 38 | 11 | 39 | 22.2 | 1 584 |
| 1993 | 1 042 | 48 | 11 | 38 | 22.1 | 1 743 |
| 1994 | 967 | 24 | 9 | 40 | 23.3 | 1 251 |
| 1995 | 1 318 | 40 | 10 | 40 | 21.6 | 1 407 |
| 1996 | 879 | 22 | 13 | 40 | 22.4 | 873 |
| 1997 | 904 | 26 | 16 | 38 | 24.7 | 942 |
| 1998 | 197 | 18 | 9 | 38 | 25.7 | 194 |
| 1999 | 755 | 36 | 12 | 36 | 24.7 | 880 |
| 2000 | 307 | 14 | 8 | 35 | 24.3 | 523 |
| 2001 | 512 | 23 | 14 | 37 | 25.1 | 655 |
| 2002 | 499 | 10 | 15 | 37 | 25.6 | 664 |
| 2003 | 245 | 24 | 15 | 38 | 25.6 | 349 |
| 2004 | 420 | 30 | 10 | 38 | 22.8 | 477 |
| 2005 | 589 | 29 | 13 | 41 | 24.9 | 456 |
| 2006 | 2 678 | 29 | 12 | 38 | 22.9 | 1 369 |
| 2007 | 316 | 22 | 16 | 39 | 26.1 | 446 |
| 2008 | 1 444 | 41 | 13 | 36 | 22.0 | 951 |
| 2009 | 230 | 23 | 18 | 36 | 25.2 | 233 |
| 2010 | 1 112 | 53 | 9 | 37 | 23.0 | 575 |

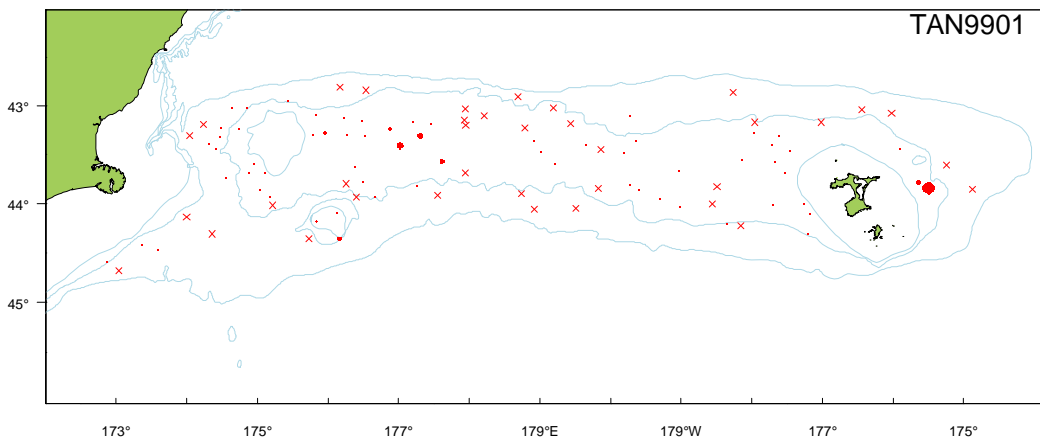
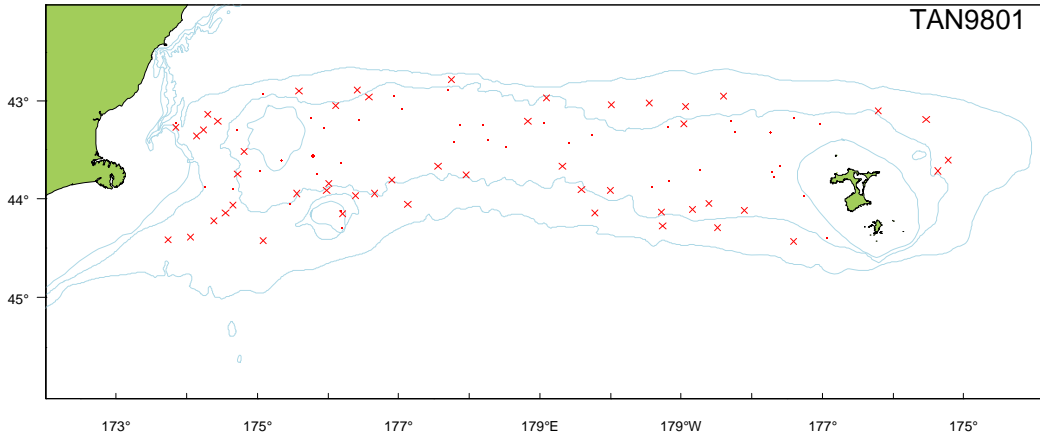


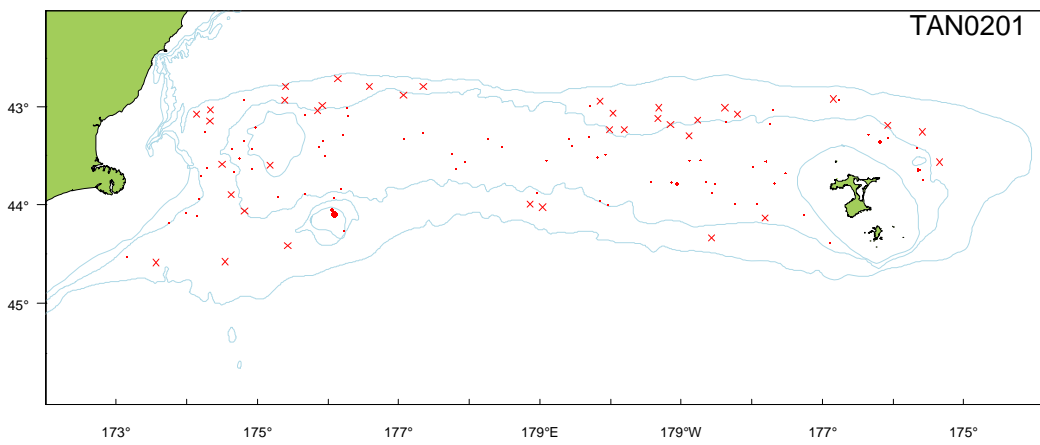
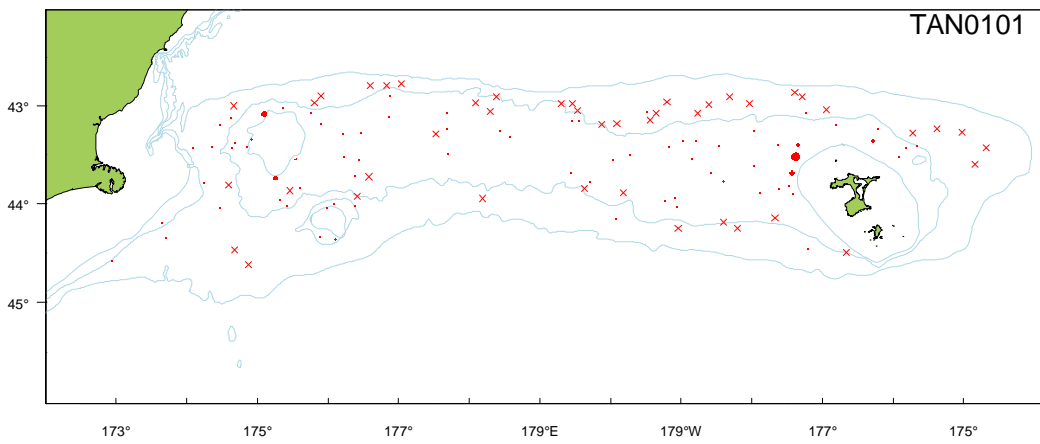
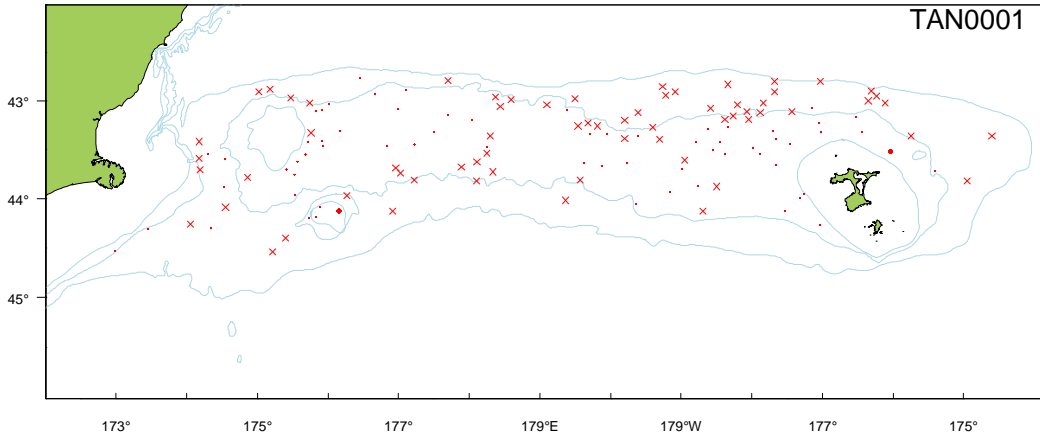
Distribution

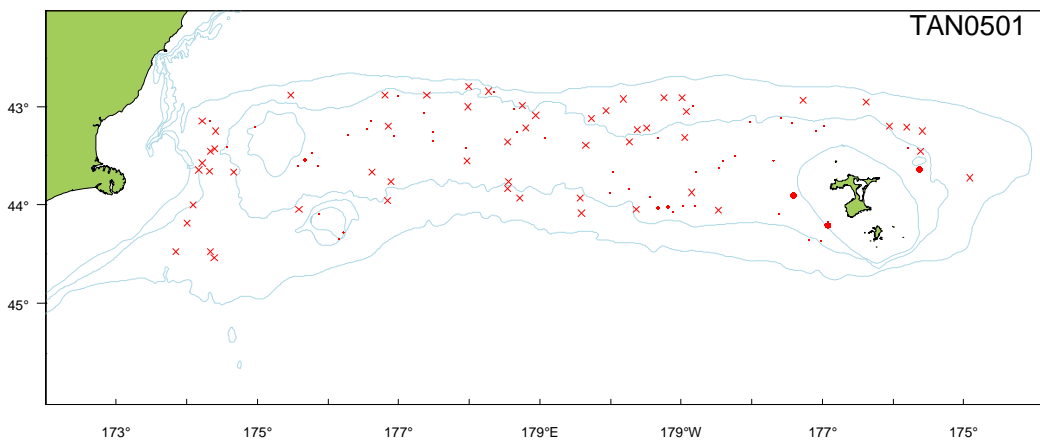
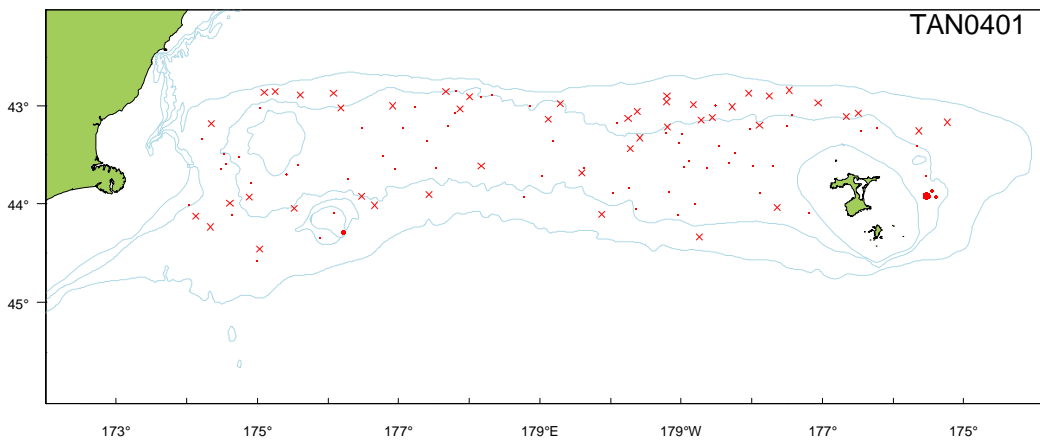
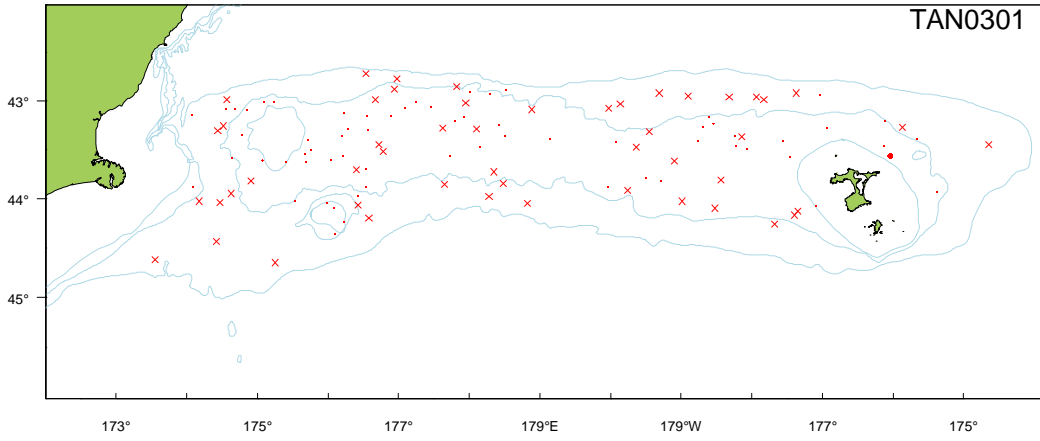


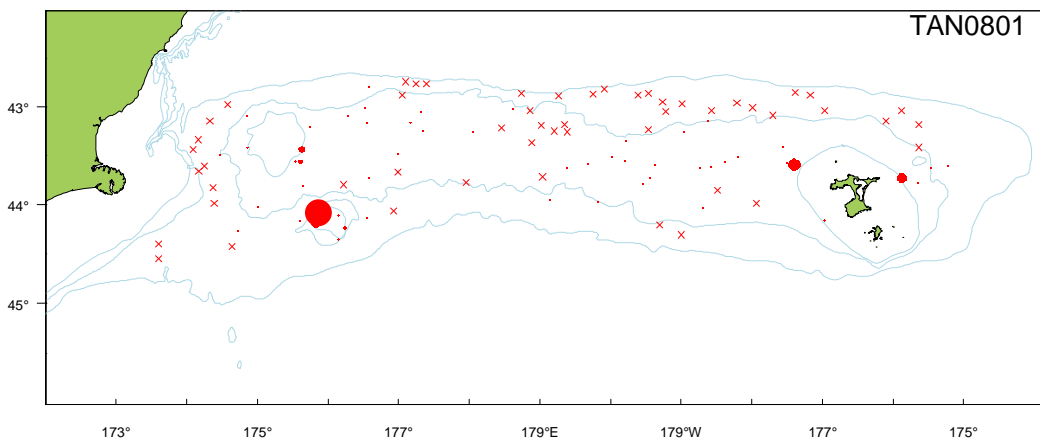
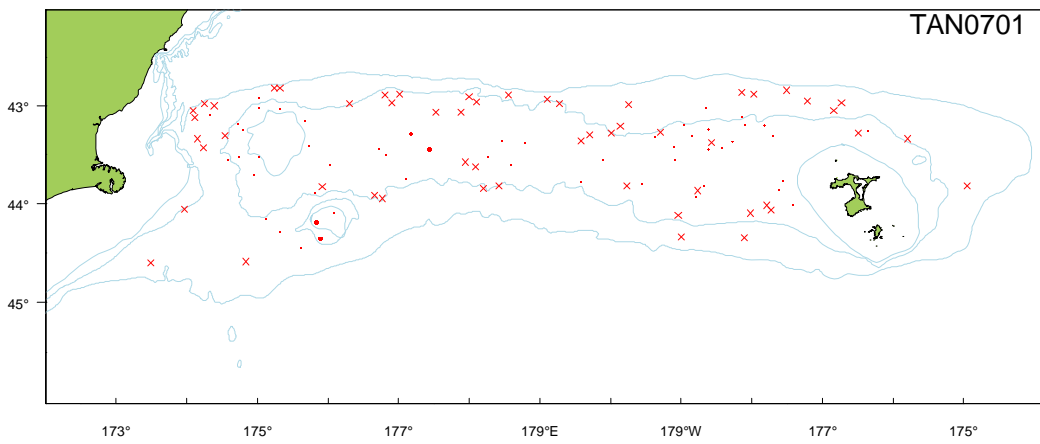
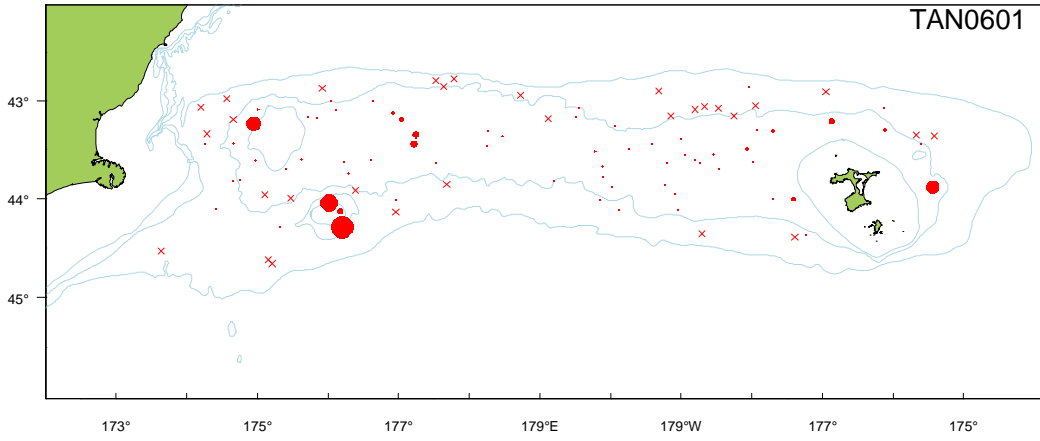


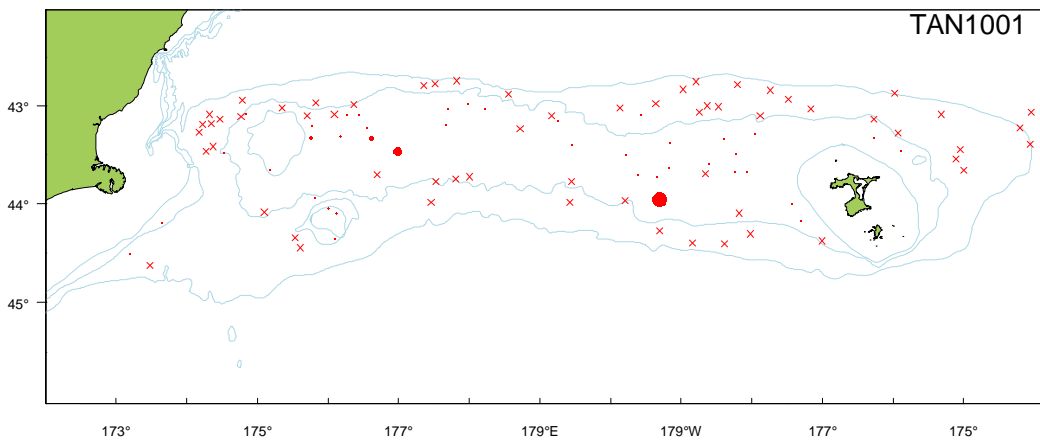
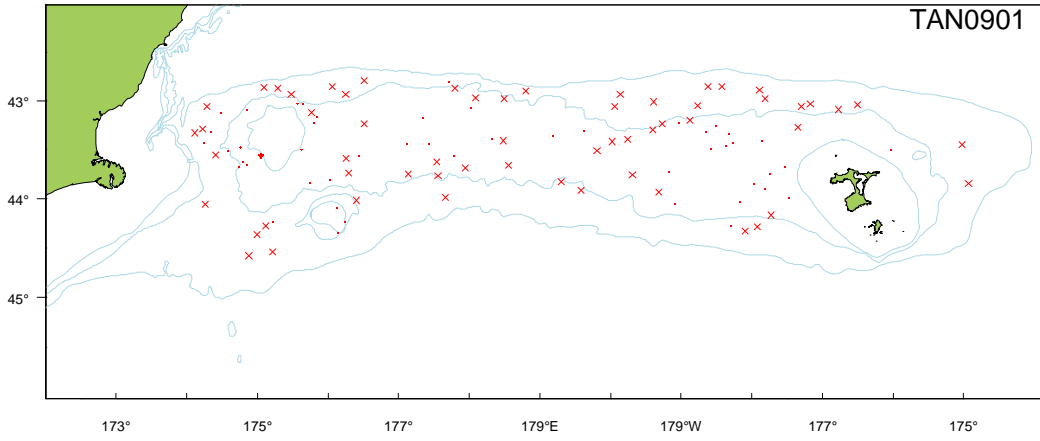




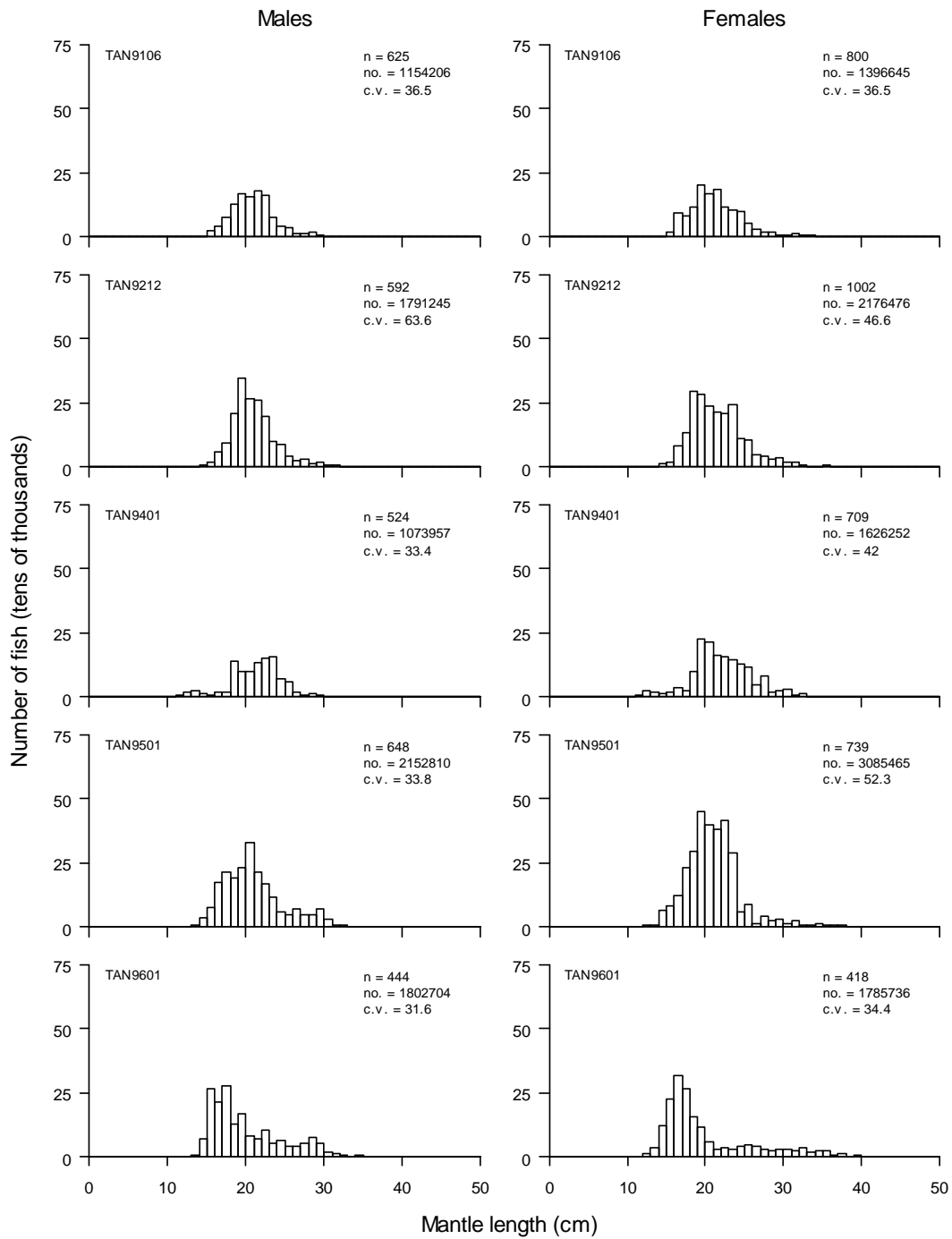


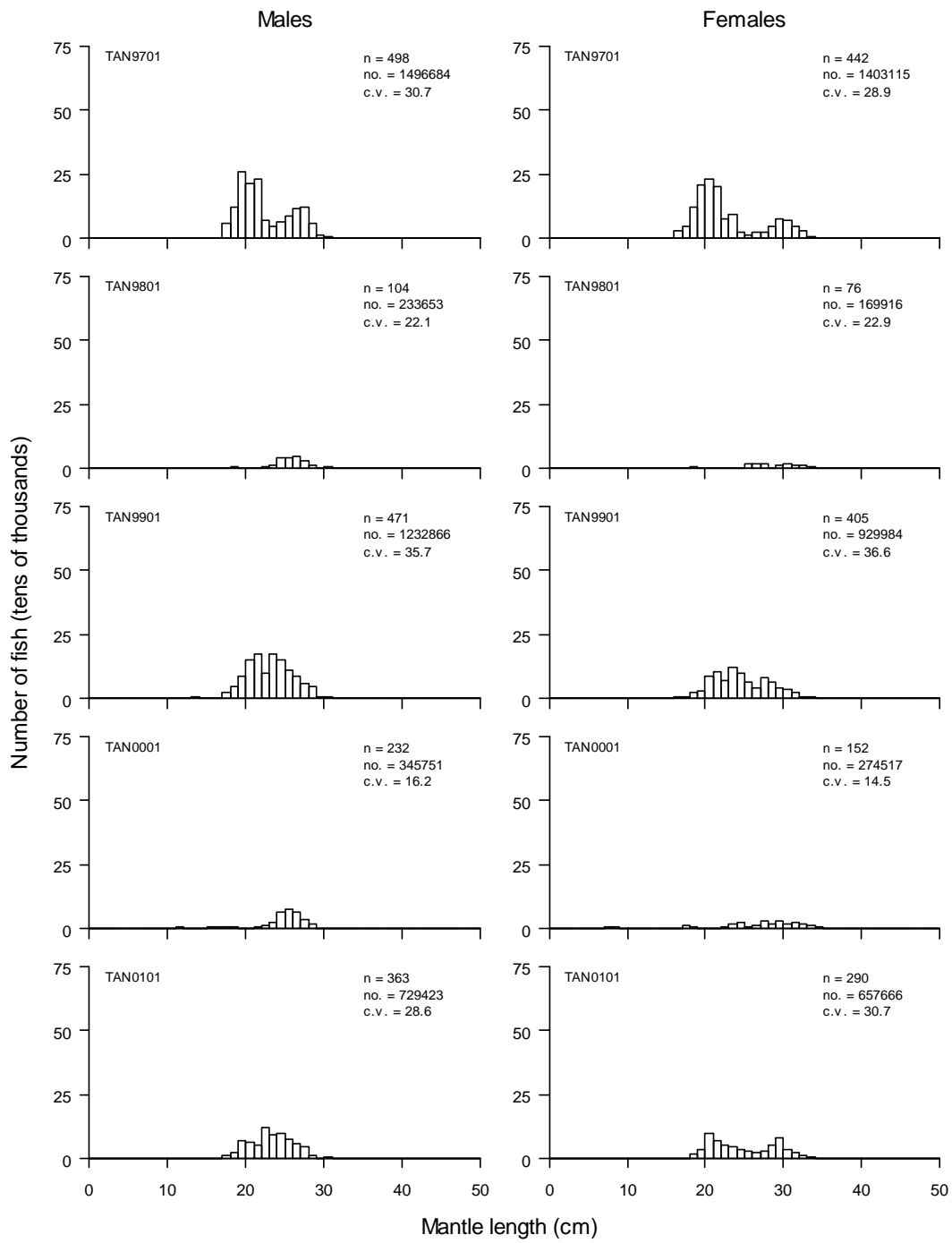


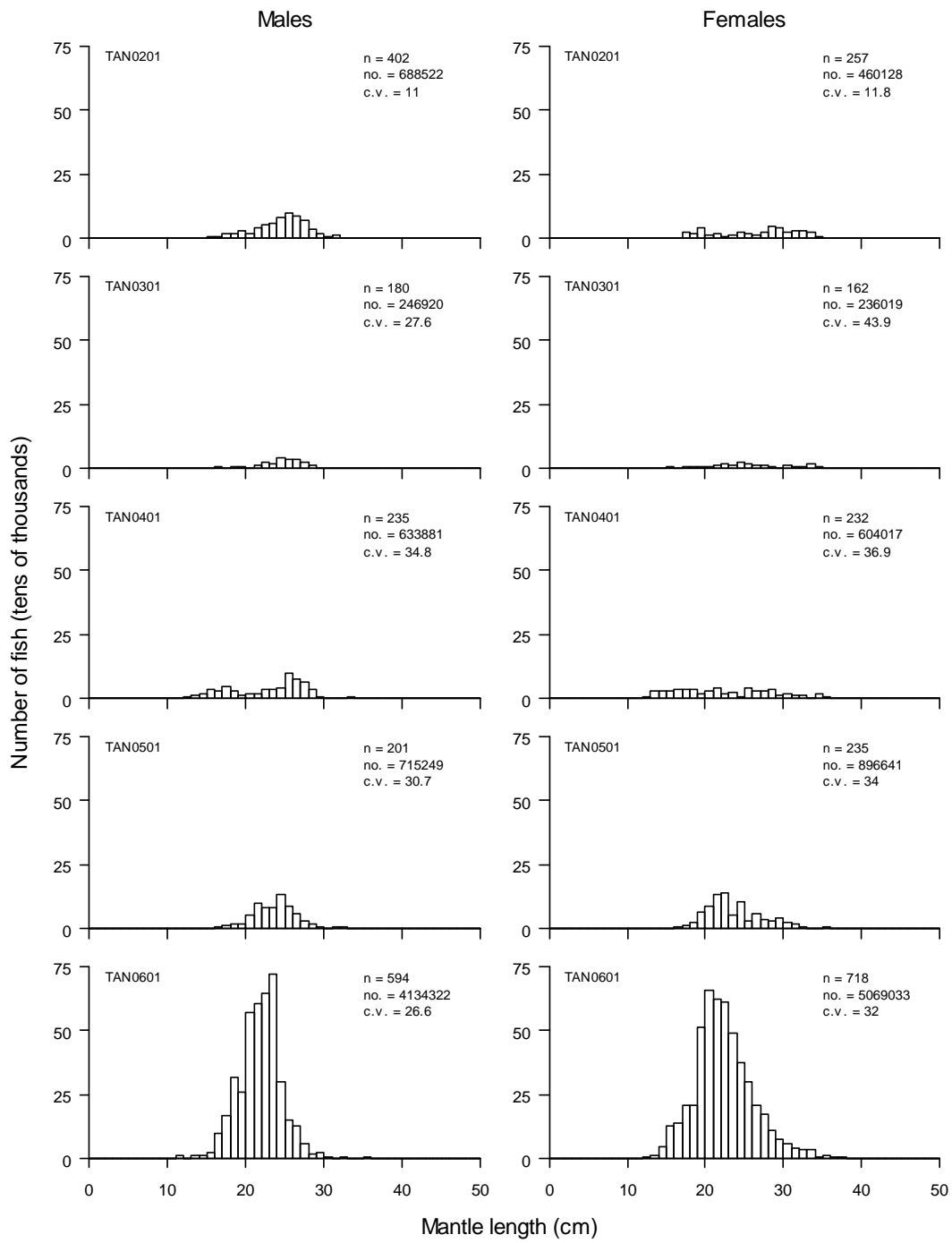


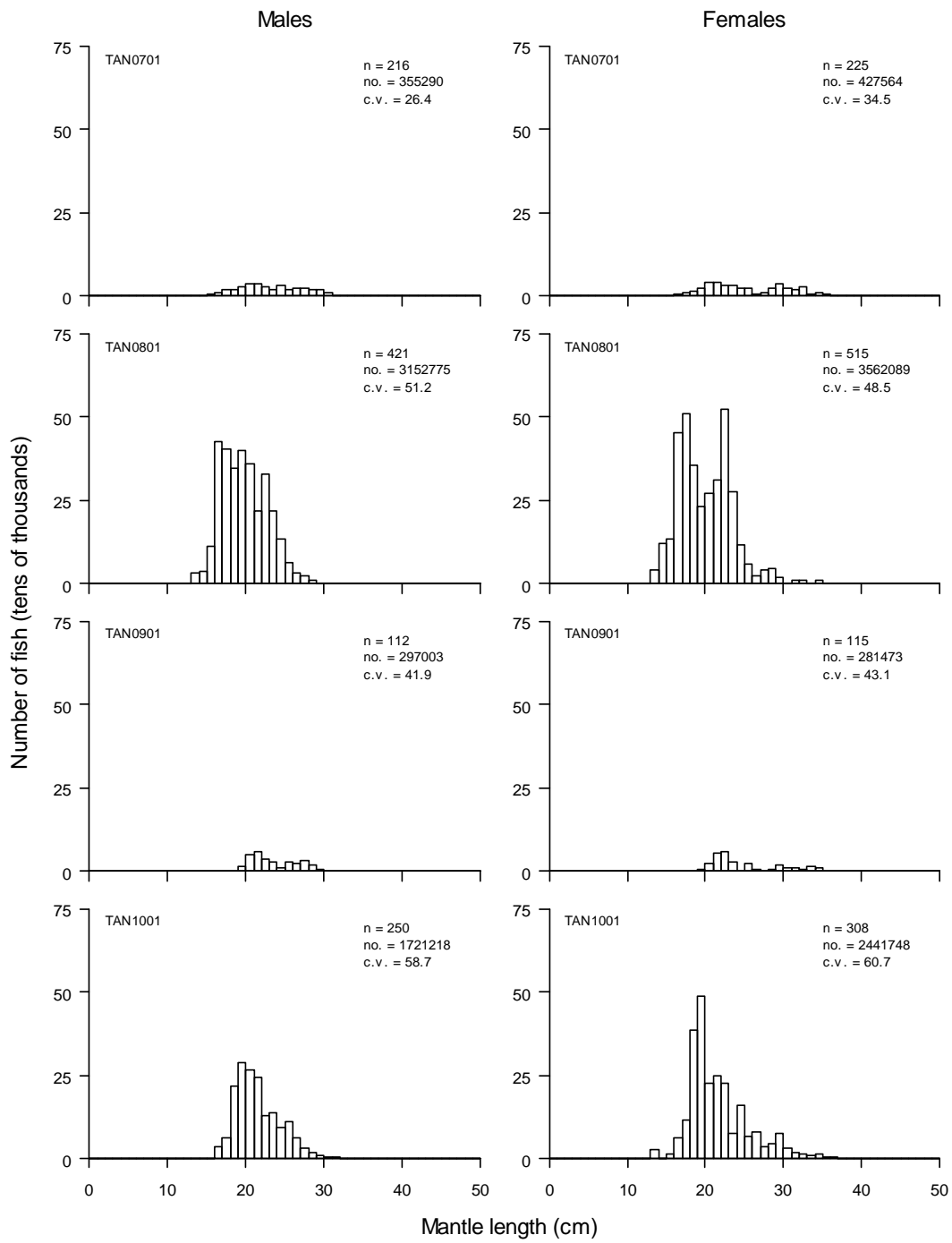


Length Frequencies









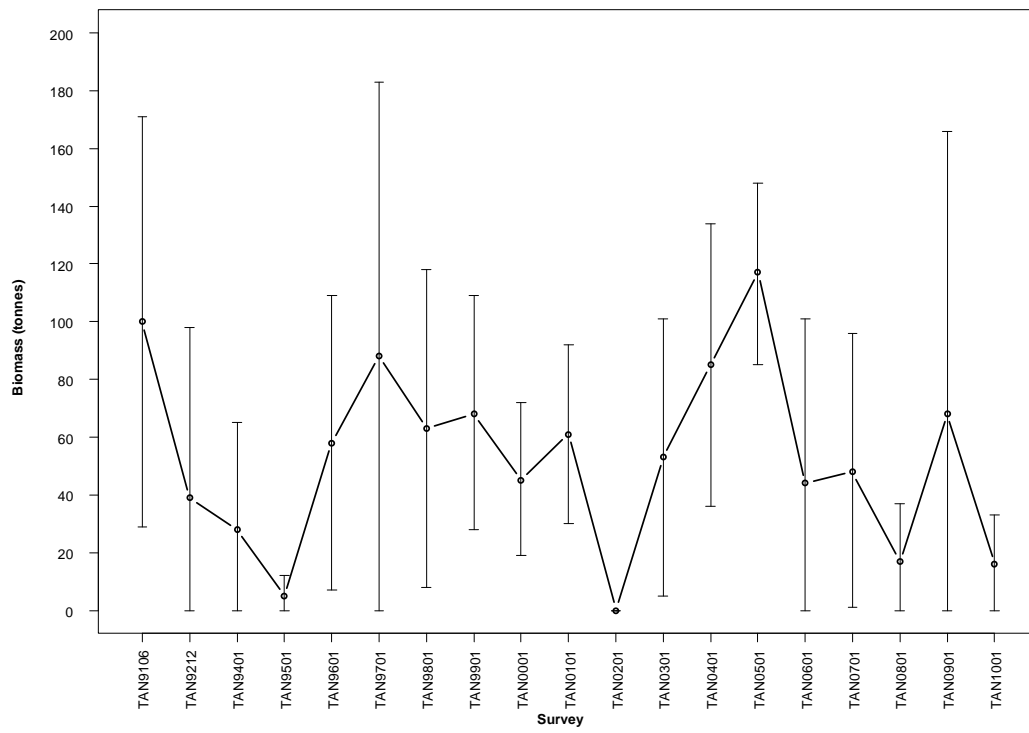


| | |
|---|--------------|
| Number of surveys caught 1992–2010 (out of 19): | 18 |
| Total catch weight (kg): | 500.8 |
| Number measured | 161 |
| Length range (mean) (cm, TL) | 36–94 (73.3) |
| Number weighed | 84 |
| Length-weight parameters a, b (r^2) | – |

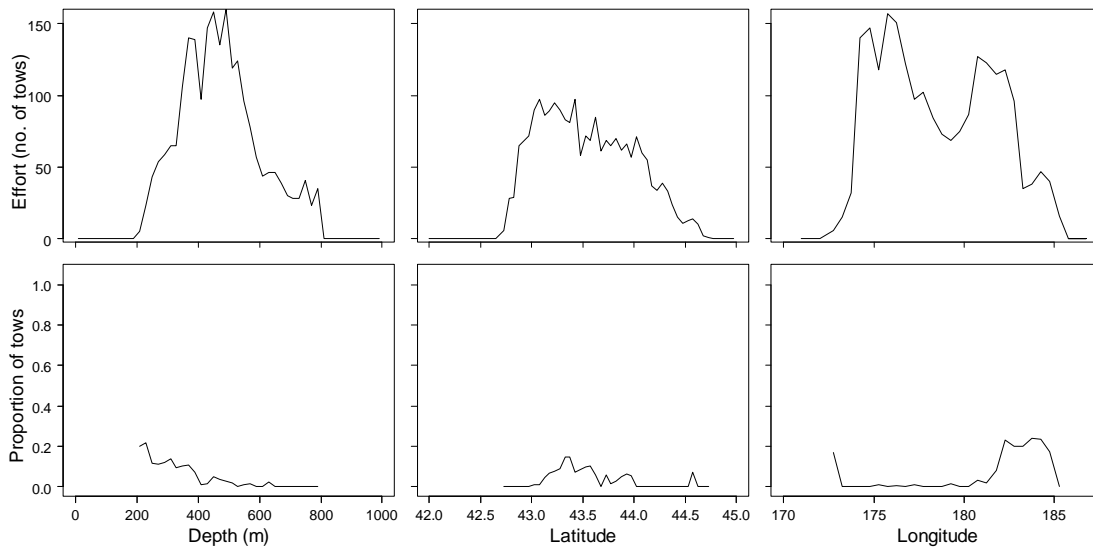
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **east**.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 100 | 35 |
| 1993 | 39 | 76 |
| 1994 | 28 | 64 |
| 1995 | 5 | 70 |
| 1996 | 58 | 44 |
| 1997 | 88 | 54 |
| 1998 | 63 | 44 |
| 1999 | 68 | 29 |
| 2000 | 45 | 29 |
| 2001 | 61 | 26 |
| 2002 | 0 | - |
| 2003 | 53 | 45 |
| 2004 | 85 | 29 |
| 2005 | 117 | 13 |
| 2006 | 44 | 64 |
| 2007 | 48 | 50 |
| 2008 | 17 | 56 |
| 2009 | 68 | 73 |
| 2010 | 16 | 50 |



Distribution



Oarfish (*Regalecus glesne*)

OAR

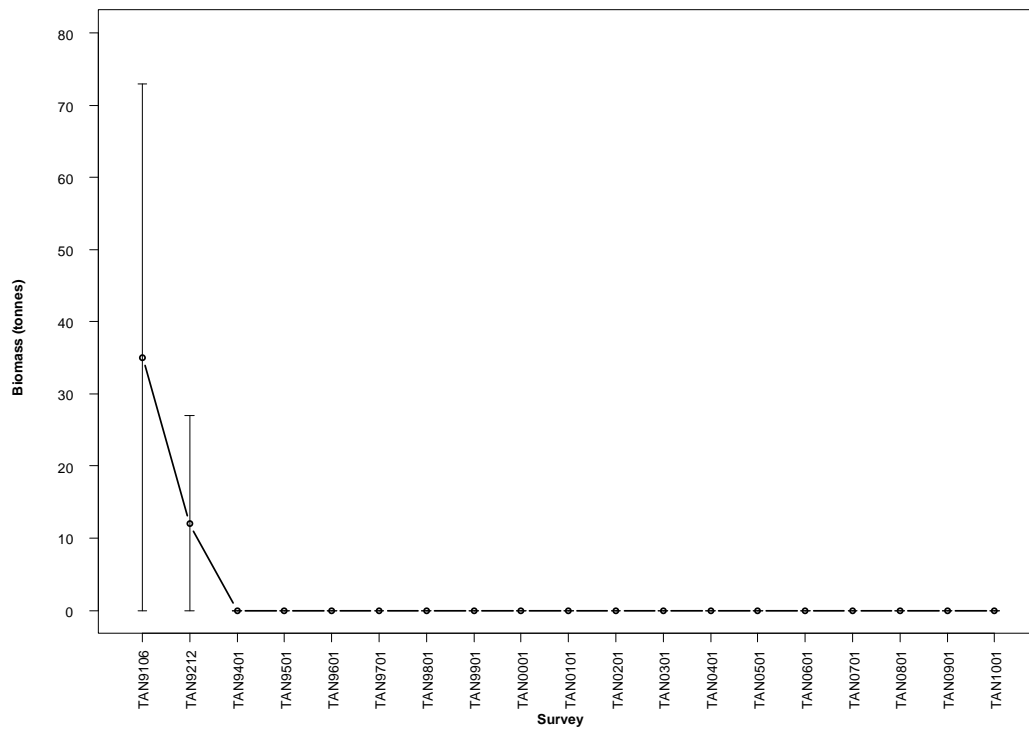
No picture available

| | |
|---|------|
| Number of surveys caught 1992–2010 (out of 19): | 4 |
| Total catch weight (kg): | 57.6 |
| Number measured | 0 |
| Length range (mean) (cm) | – |
| Number weighed | 0 |
| Length-weight parameters a, b (r^2) | – |

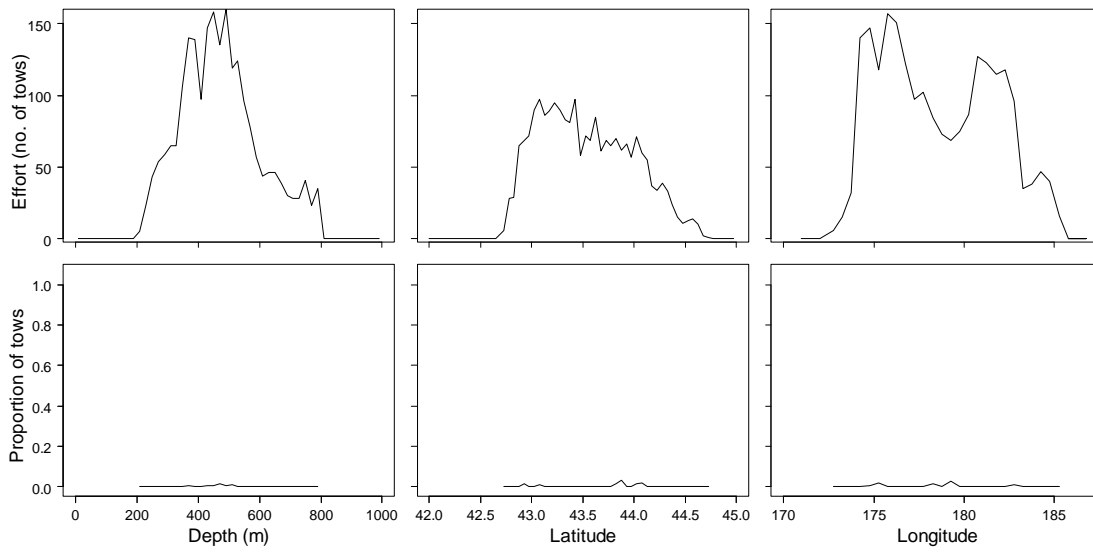
The core survey area and depth range **is not** appropriate for this species. It occurs in midwater. Biomass of this species is **poorly** estimated in the core survey area. Biomass has **decreased** since the start of the time series.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|-------------|--------------------|---------------|
| 1992 | 35 | 54 |
| 1993 | 12 | 61 |
| 1994 | 0 | - |
| 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



**Coded as DWO**

| | |
|---|-------|
| Number of surveys caught 1992–2010 (out of 19): | 16 |
| Total catch weight (kg): | 115.7 |

Coded as EZE

| | |
|---|-------|
| Number of surveys caught 1992–2010 (out of 19): | 6 |
| Total catch weight (kg): | 160.1 |

Coded as OCP

| | |
|---|------|
| Number of surveys caught 1992–2010 (out of 19): | 7 |
| Total catch weight (kg): | 43.9 |

Coded as OCT

| | |
|---|-------|
| Number of surveys caught 1992–2010 (out of 19): | 11 |
| Total catch weight (kg): | 252.7 |

Coded as OPI

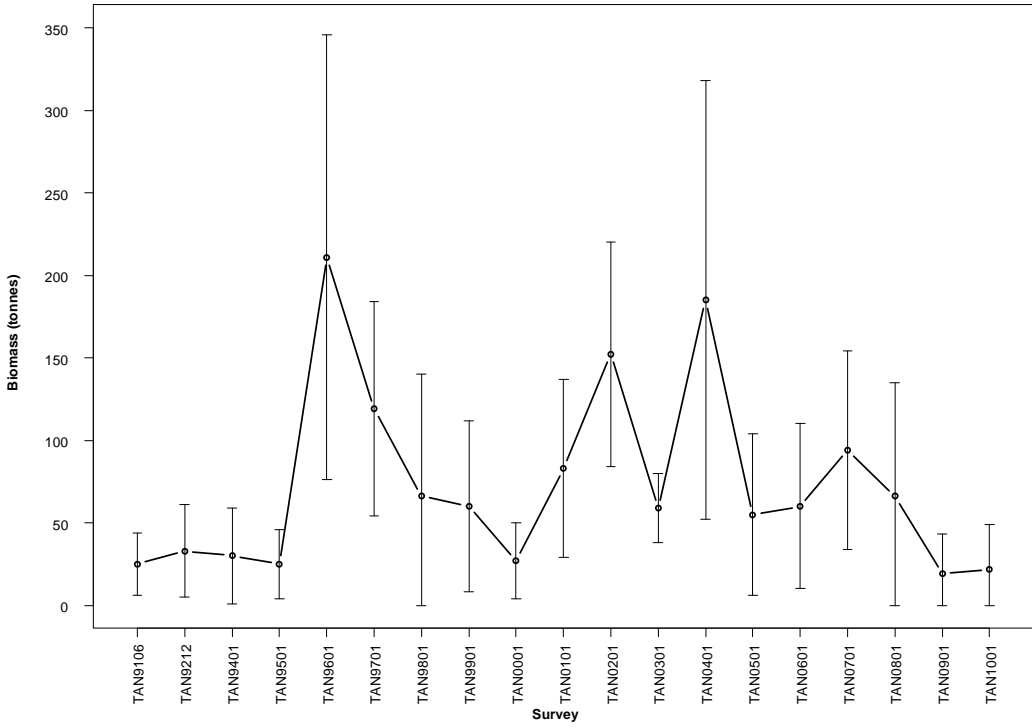
| | |
|---|-------|
| Number of surveys caught 1992–2010 (out of 19): | 10 |
| Total catch weight (kg): | 101.4 |

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

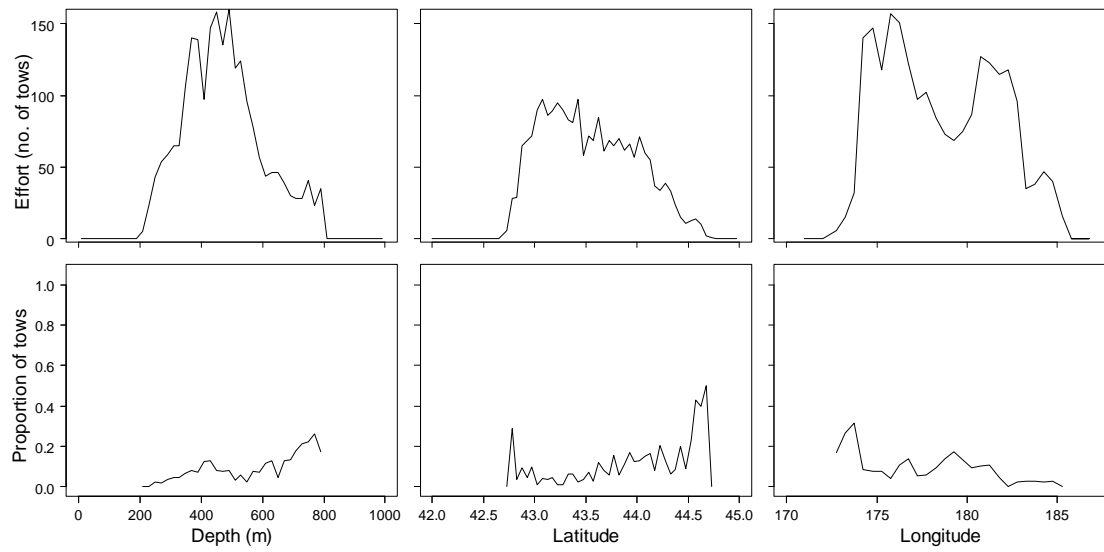
Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 25 | 38 |
| 1993 | 33 | 43 |
| 1994 | 30 | 50 |
| 1995 | 25 | 44 |
| 1996 | 211 | 33 |
| 1997 | 119 | 28 |
| 1998 | 66 | 57 |
| 1999 | 60 | 44 |
| 2000 | 27 | 43 |
| 2001 | 83 | 33 |
| 2002 | 152 | 23 |
| 2003 | 59 | 18 |

| | | |
|------|-----|----|
| 2004 | 185 | 37 |
| 2005 | 55 | 46 |
| 2006 | 60 | 42 |
| 2007 | 94 | 32 |
| 2008 | 66 | 53 |
| 2009 | 19 | 64 |
| 2010 | 22 | 62 |



Distribution



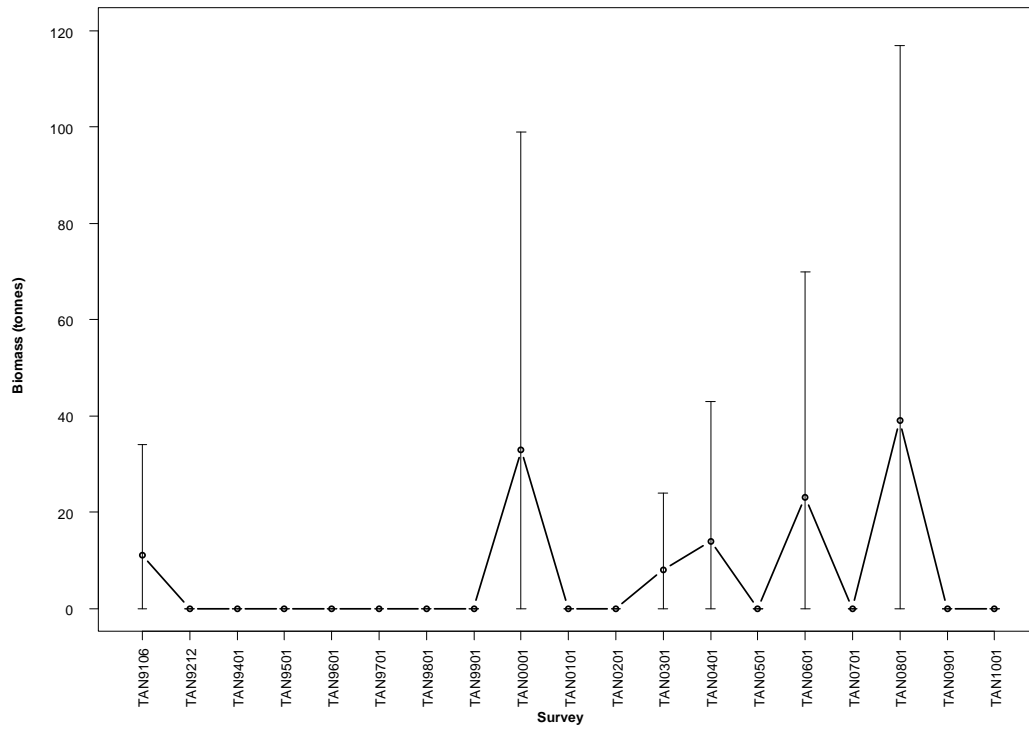


| | |
|---|-------|
| Number of surveys caught 1992–2010 (out of 19): | 7 |
| Total catch weight (kg): | 132.1 |
| Number measured | 2 |
| Length range (mean) (cm) | – |
| Number weighed | 2 |
| Length-weight parameters a, b (r^2) | – |

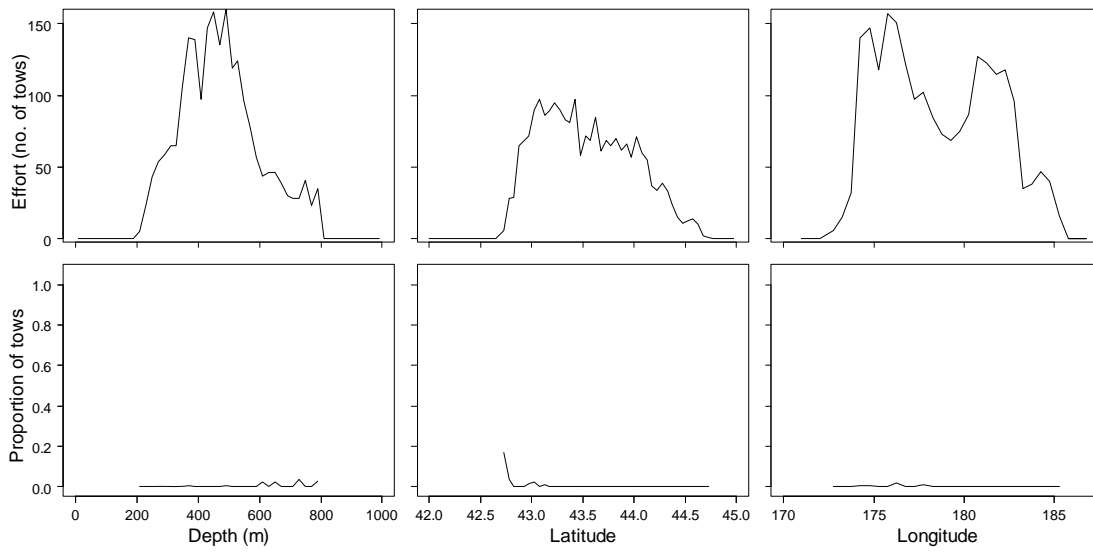
There were **too few fish caught to determine whether the core survey area is appropriate for this species**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **north**.

Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 11 | 100 |
| 1993 | 0 | - |
| 1994 | 0 | - |
| 1995 | 0 | - |
| 1996 | 0 | - |
| 1997 | 0 | - |
| 1998 | 0 | - |
| 1999 | 0 | - |
| 2000 | 33 | 100 |
| 2001 | 0 | - |
| 2002 | 0 | - |
| 2003 | 8 | 100 |
| 2004 | 14 | 100 |
| 2005 | 0 | - |
| 2006 | 23 | 100 |
| 2007 | 0 | - |
| 2008 | 39 | 100 |
| 2009 | 0 | - |
| 2010 | 0 | - |



Distribution



**Coded as ANZ**

| | |
|---|------|
| Number of surveys caught 1992–2010 (out of 19): | 6 |
| Total catch weight (kg): | 17.2 |

Coded as GLS

| | |
|---|---------|
| Number of surveys caught 1992–2010 (out of 19): | 3 |
| Total catch weight (kg): | 9 530.5 |

Coded as HYA

| | |
|---|----------|
| Number of surveys caught 1992–2010 (out of 19): | 5 |
| Total catch weight (kg): | 13 381.7 |

Coded as ONG

| | |
|---|----------|
| Number of surveys caught 1992–2010 (out of 19): | 18 |
| Total catch weight (kg): | 69 359.9 |

Coded as SUA

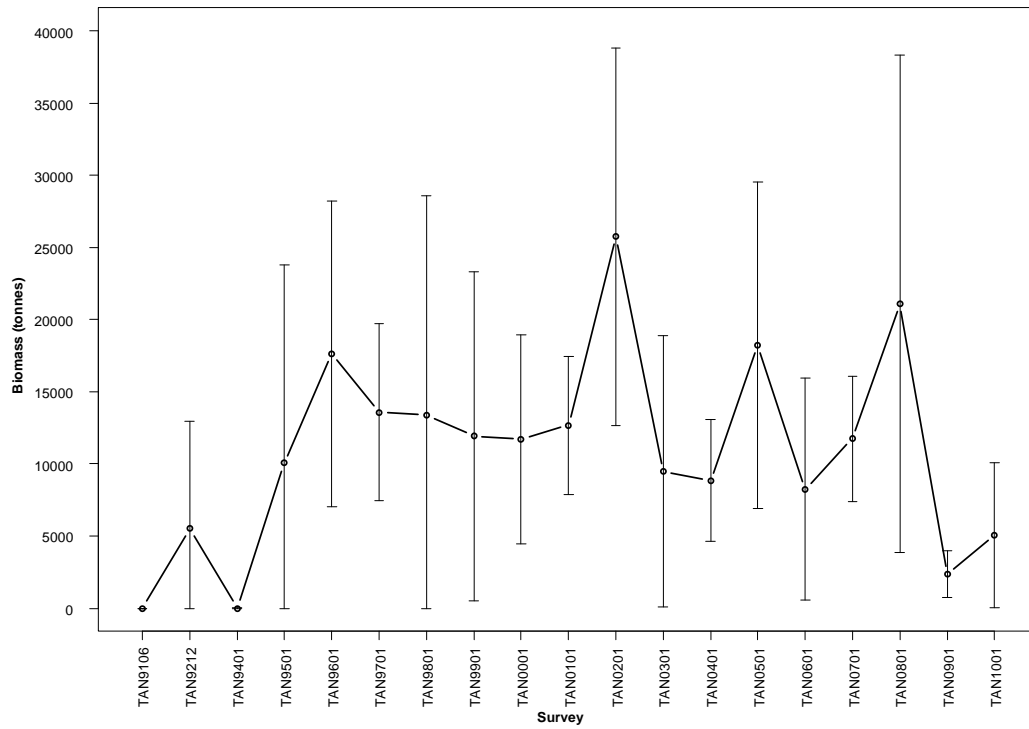
| | |
|---|------|
| Number of surveys caught 1992–2010 (out of 19): | 6 |
| Total catch weight (kg): | 19.9 |

The core survey area and depth range **is** appropriate for this group. Biomass of this group is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series, but this group was **poorly recorded** in early surveys.

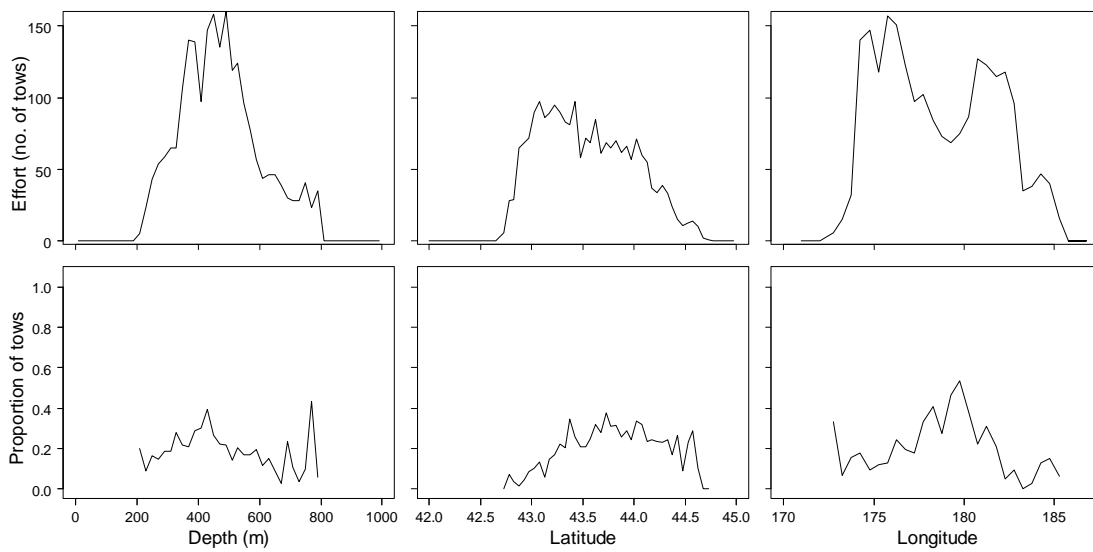
Relative biomass estimates

| Year | Biomass (t) | cv (%) |
|------|-------------|--------|
| 1992 | 0 | - |
| 1993 | 5 522 | 69 |
| 1994 | 3 | 100 |
| 1995 | 10 057 | 70 |
| 1996 | 17 633 | 31 |
| 1997 | 13 578 | 23 |
| 1998 | 13 403 | 58 |
| 1999 | 11 916 | 49 |
| 2000 | 11 696 | 32 |
| 2001 | 12 675 | 19 |
| 2002 | 25 754 | 26 |
| 2003 | 9 485 | 50 |

| | | |
|------|--------|----|
| 2004 | 8 855 | 24 |
| 2005 | 18 204 | 32 |
| 2006 | 8 245 | 48 |
| 2007 | 11 747 | 19 |
| 2008 | 21 095 | 42 |
| 2009 | 2 367 | 35 |
| 2010 | 5 080 | 50 |



Distribution



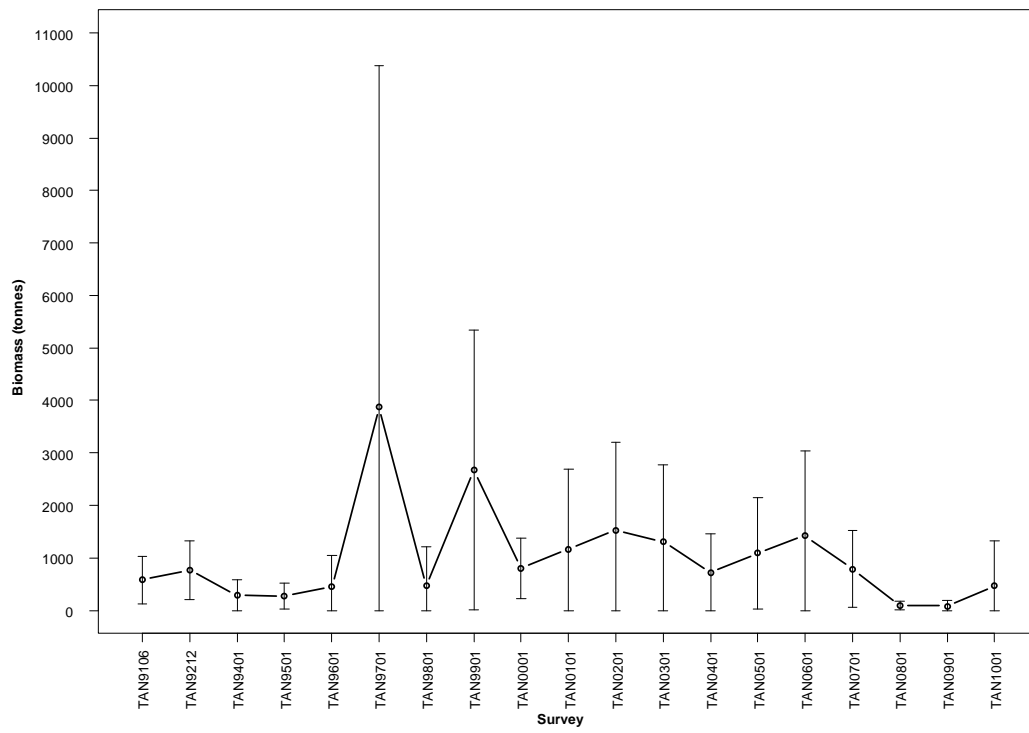


| | |
|---|---------------------------|
| Number of surveys caught 1992–2010 (out of 19): | 19 |
| Total catch weight (kg): | 11 294.3 |
| Number measured | 4 091 |
| Length range (mean) (cm, FL) | 15–38 (29.6) |
| Number weighed | 1 427 |
| Length-weight parameters a, b (r^2) | 0.019974, 3.024211 (93.7) |

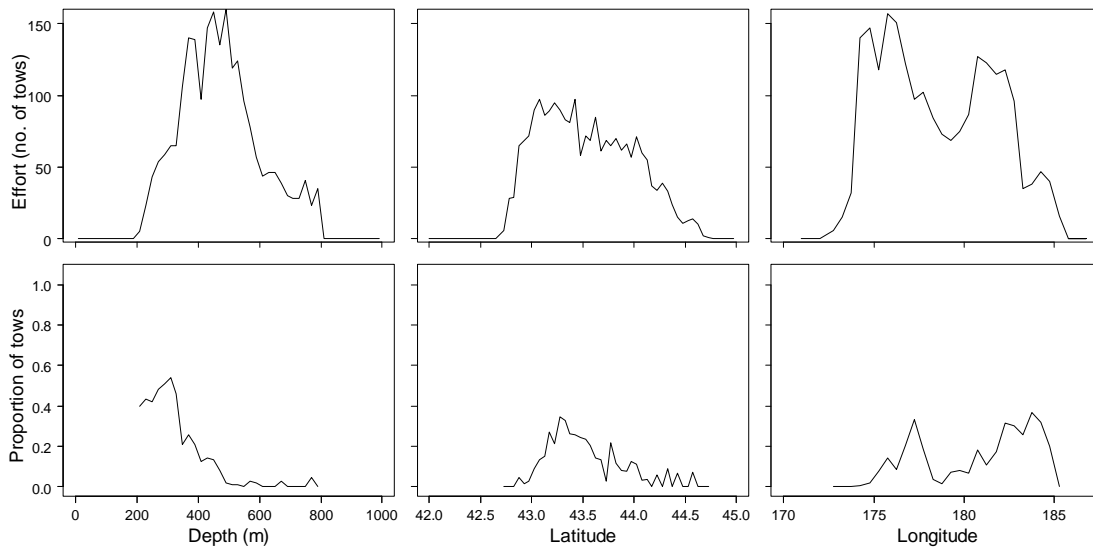
The core survey area and depth range **is not** appropriate for this species. It is found **shallower than 200 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass has **increased and then decreased** since the start of the time series. Length frequencies are usually **unimodal**. Mean length **shows no clear trend** since the start of the time series. Gonad stage data indicate that most fish are **maturing or ripe**.

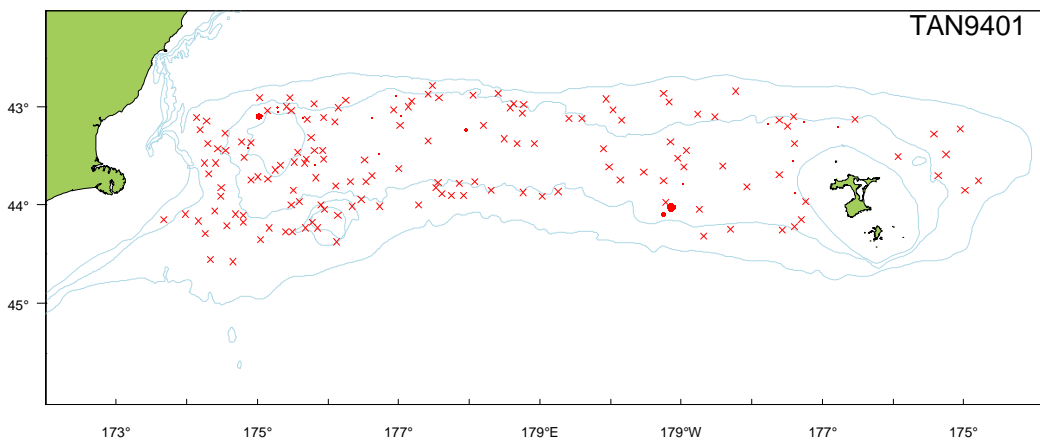
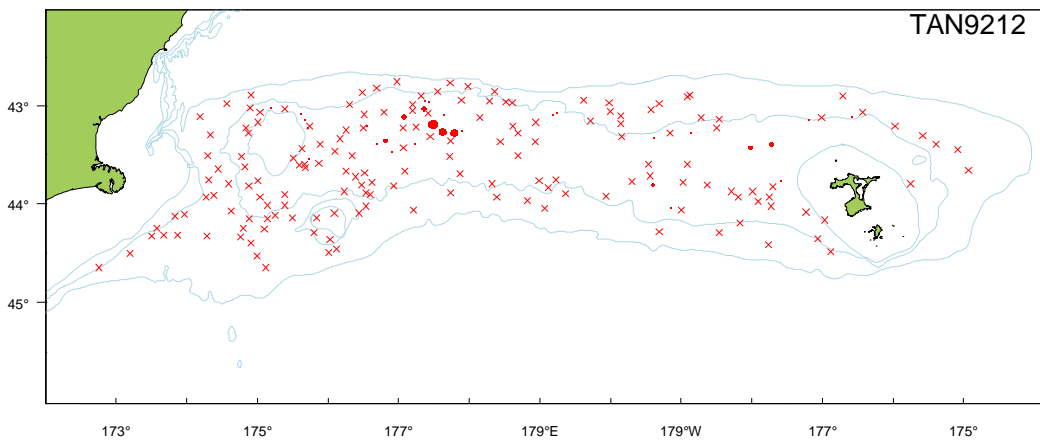
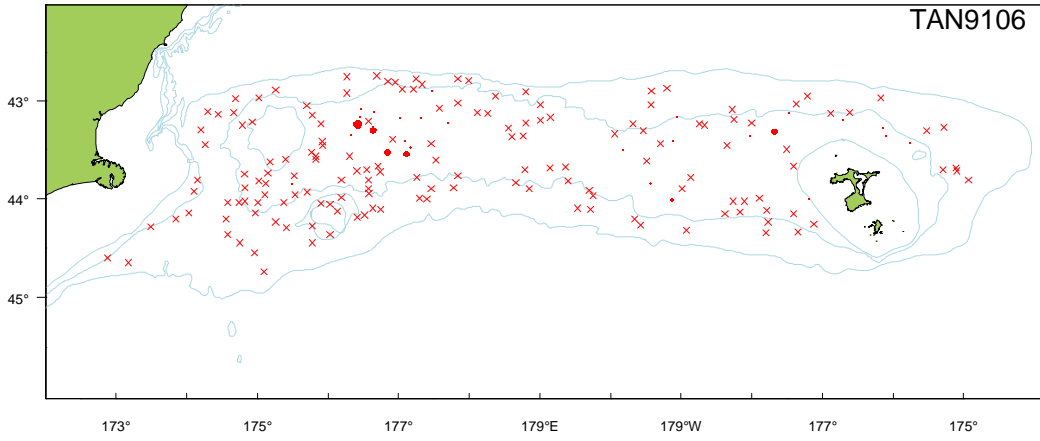
Relative biomass estimates and length summary

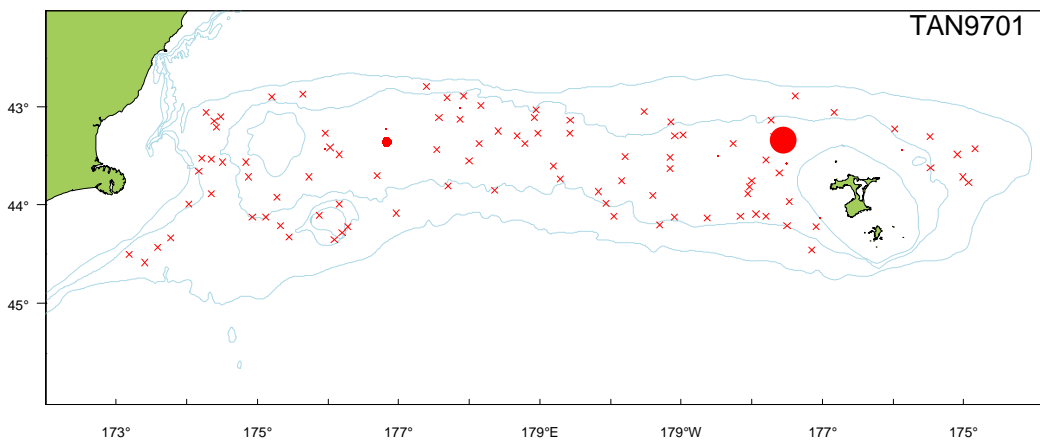
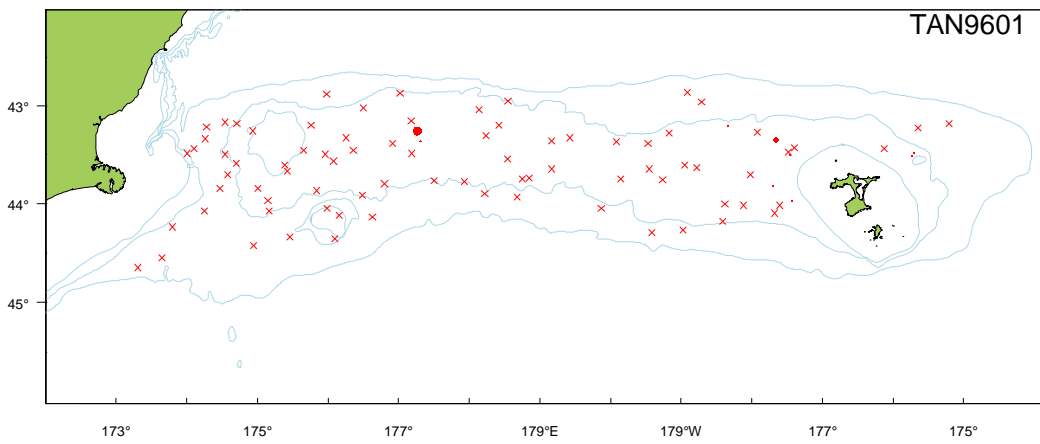
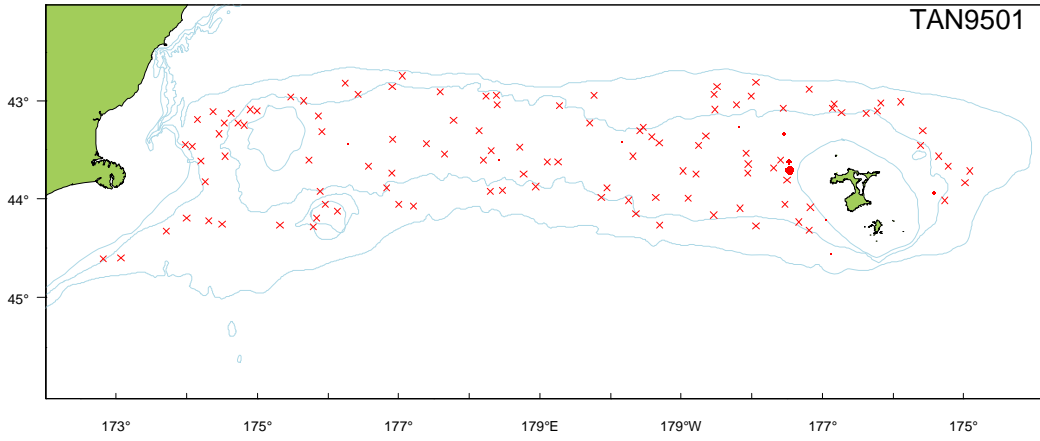
| Year | Biomass (t) | cv (%) | Length (cm) | | | No. measure |
|------|-------------|--------|-------------|------|------|-------------|
| | | | Min. | Max. | Mean | |
| 1992 | 580 | 39 | - | - | - | 0 |
| 1993 | 767 | 36 | - | - | - | 0 |
| 1994 | 288 | 52 | - | - | - | 0 |
| 1995 | 271 | 45 | - | - | - | 0 |
| 1996 | 455 | 64 | - | - | - | 0 |
| 1997 | 3 882 | 84 | - | - | - | 0 |
| 1998 | 462 | 81 | - | - | - | 0 |
| 1999 | 2 673 | 50 | 16 | 37 | 29.9 | 464 |
| 2000 | 804 | 36 | 18 | 36 | 29.1 | 419 |
| 2001 | 1 166 | 66 | 18 | 37 | 29.7 | 269 |
| 2002 | 1 528 | 55 | 16 | 37 | 28.2 | 284 |
| 2003 | 1 313 | 56 | 19 | 38 | 29.9 | 600 |
| 2004 | 719 | 51 | 15 | 37 | 29.1 | 339 |
| 2005 | 1 089 | 49 | 18 | 37 | 30.0 | 363 |
| 2006 | 1 425 | 57 | 16 | 37 | 29.7 | 355 |
| 2007 | 785 | 47 | 17 | 38 | 30.8 | 312 |
| 2008 | 94 | 42 | 20 | 35 | 28.4 | 74 |
| 2009 | 81 | 64 | 21 | 38 | 28.5 | 53 |
| 2010 | 463 | 93 | 21 | 37 | 30.3 | 129 |

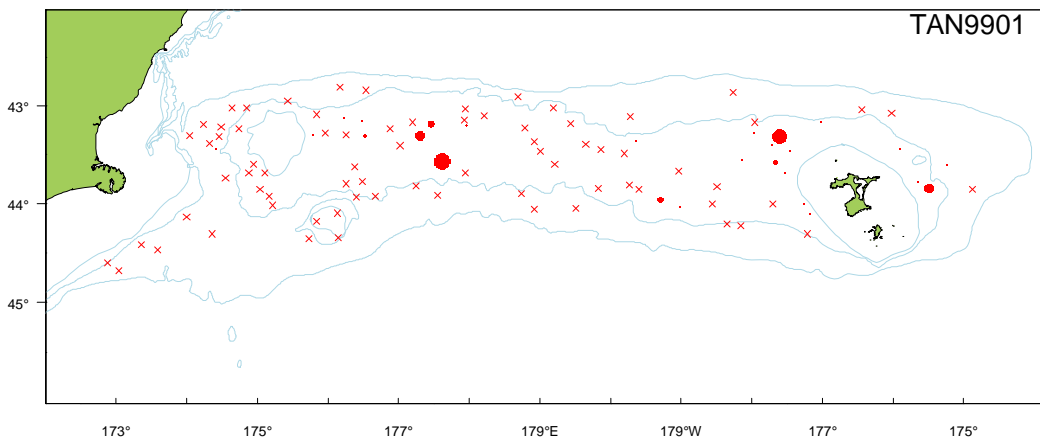
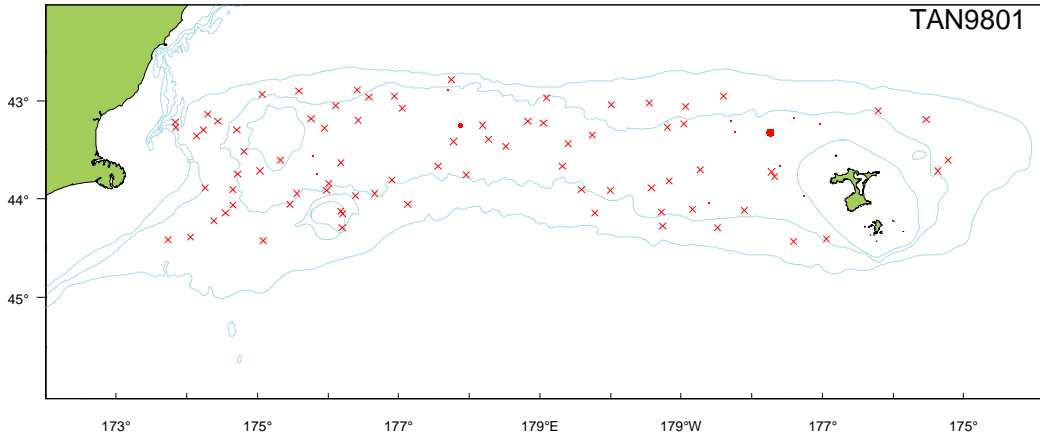


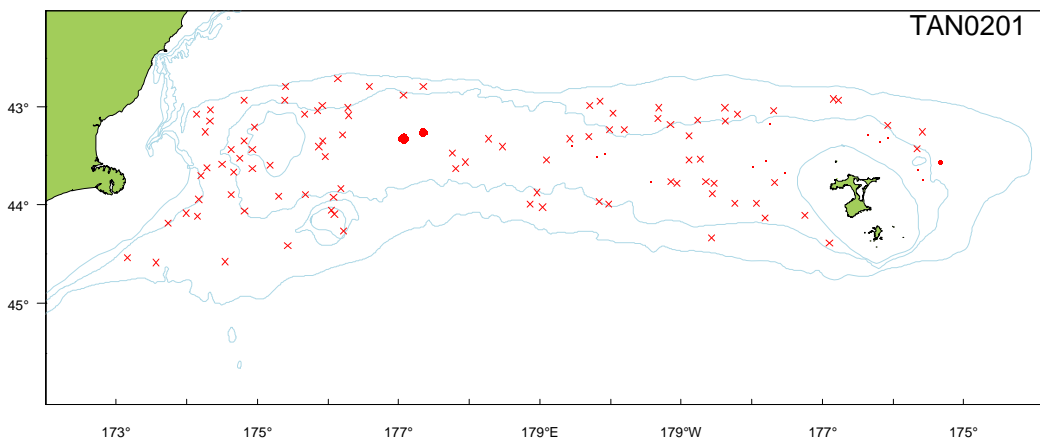
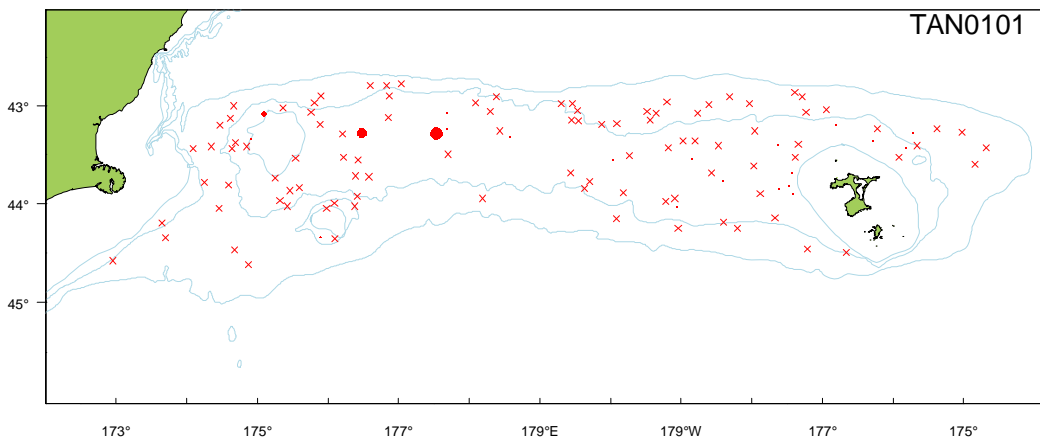
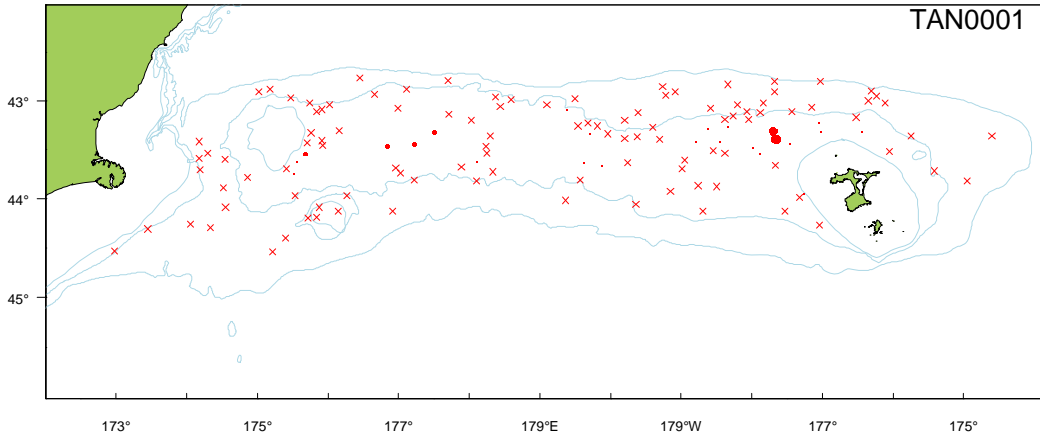
Distribution

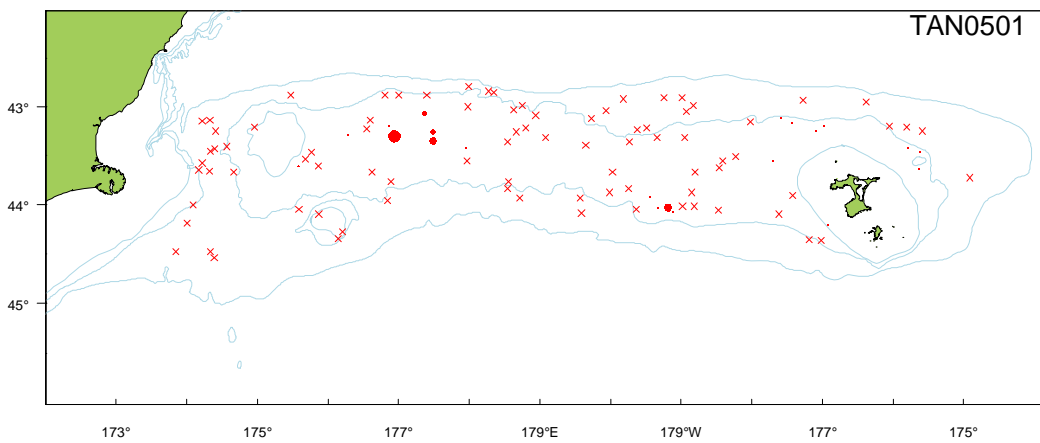
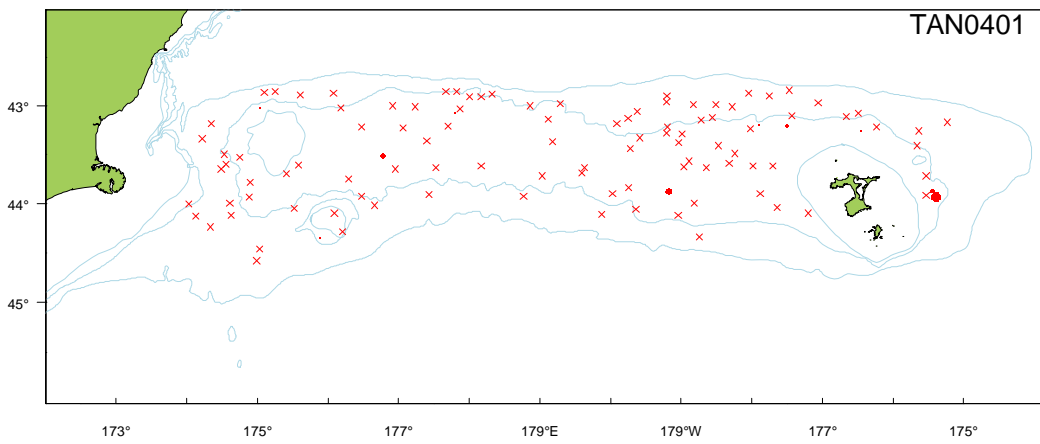
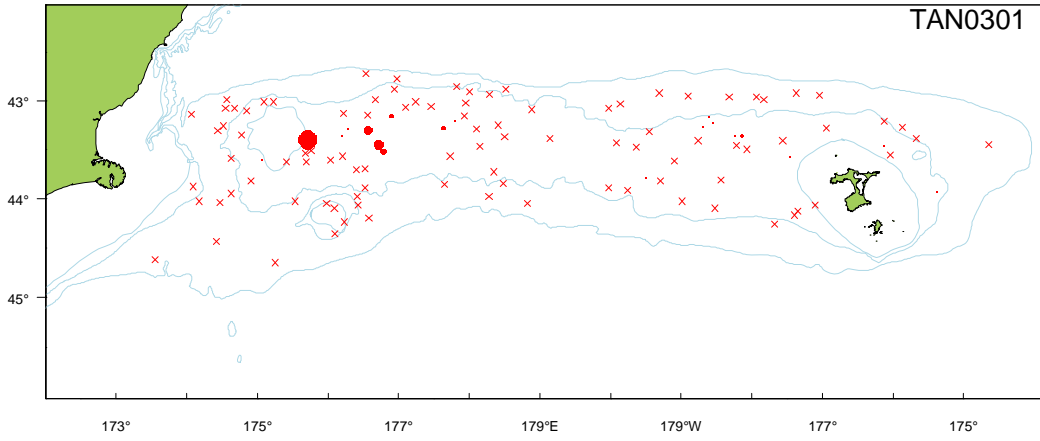


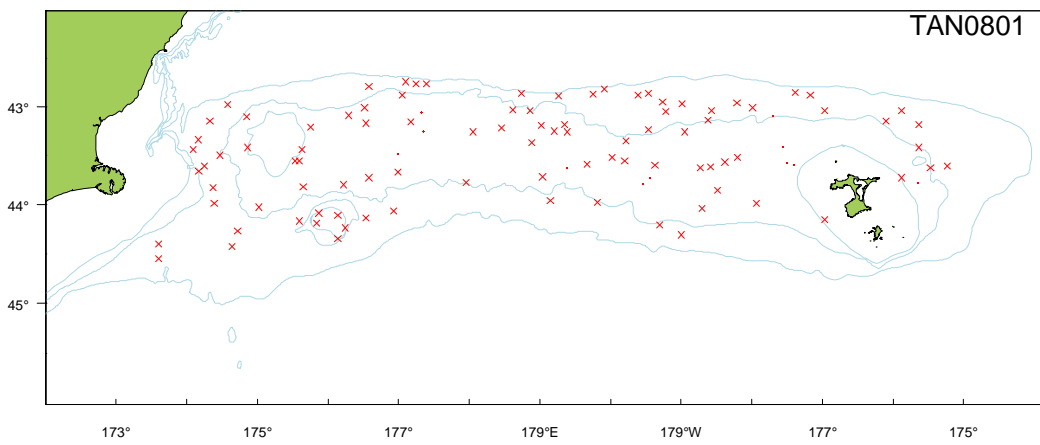
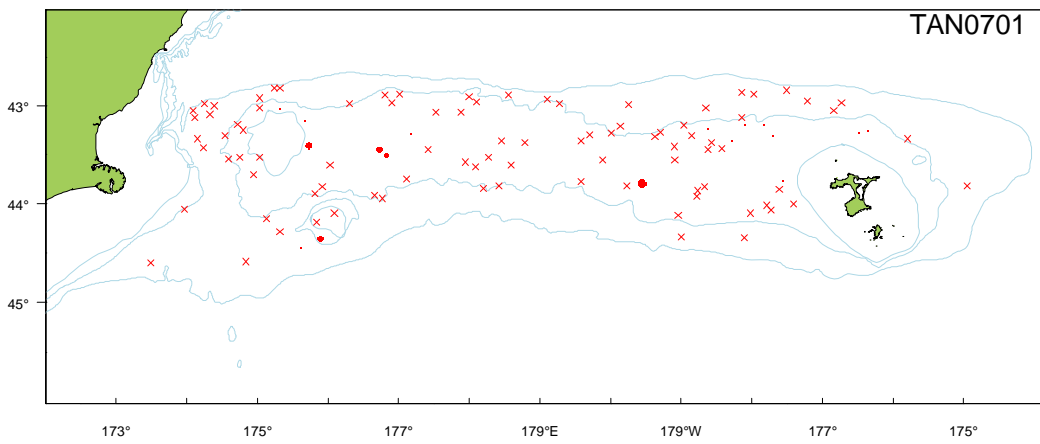
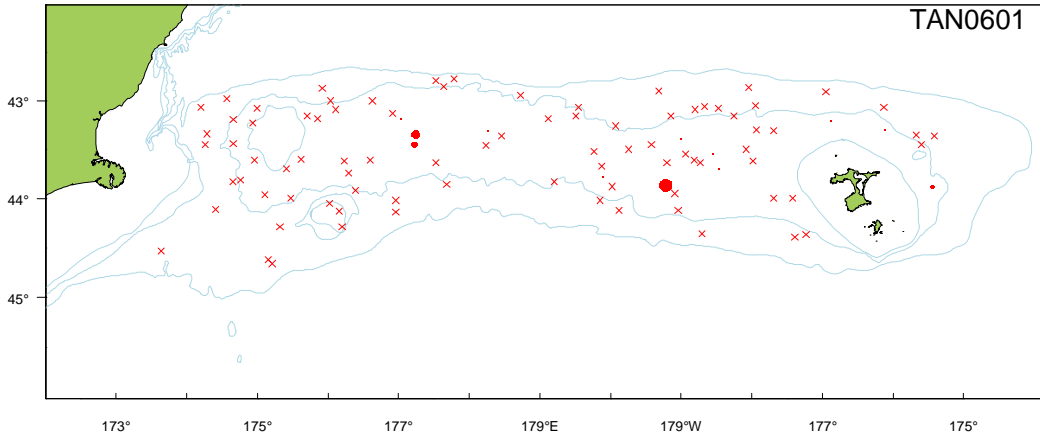


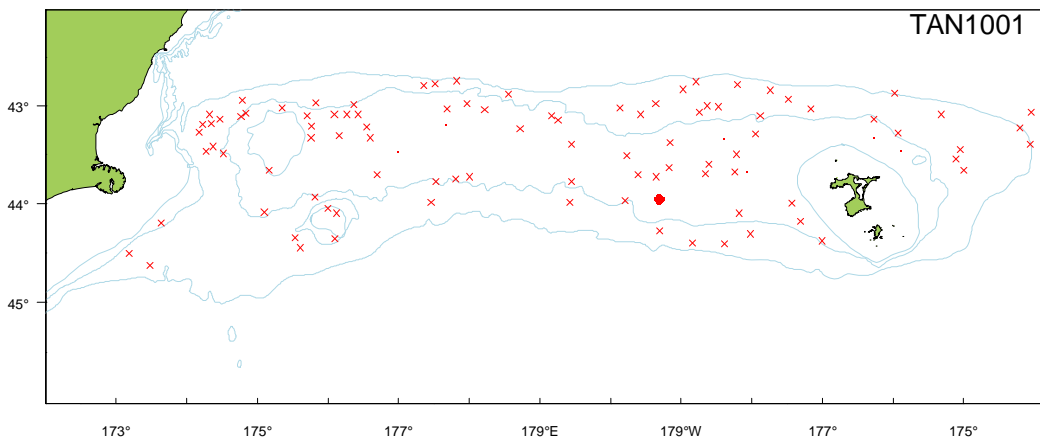
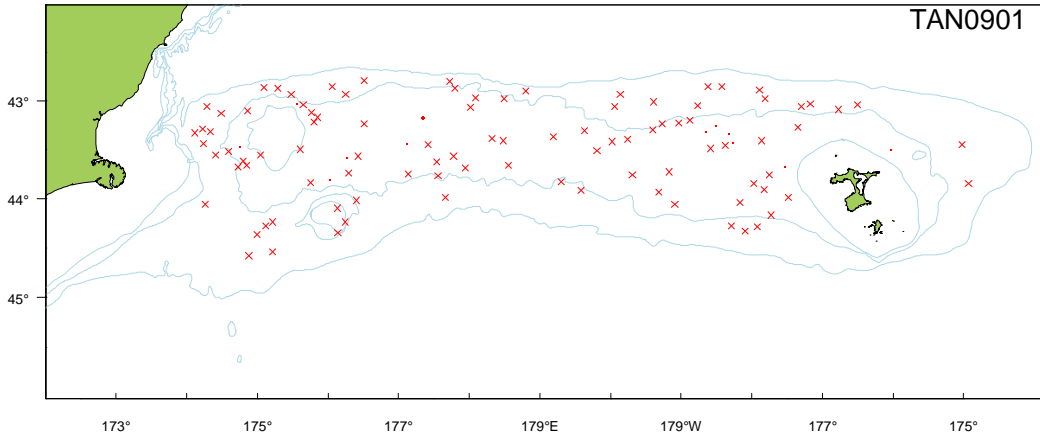




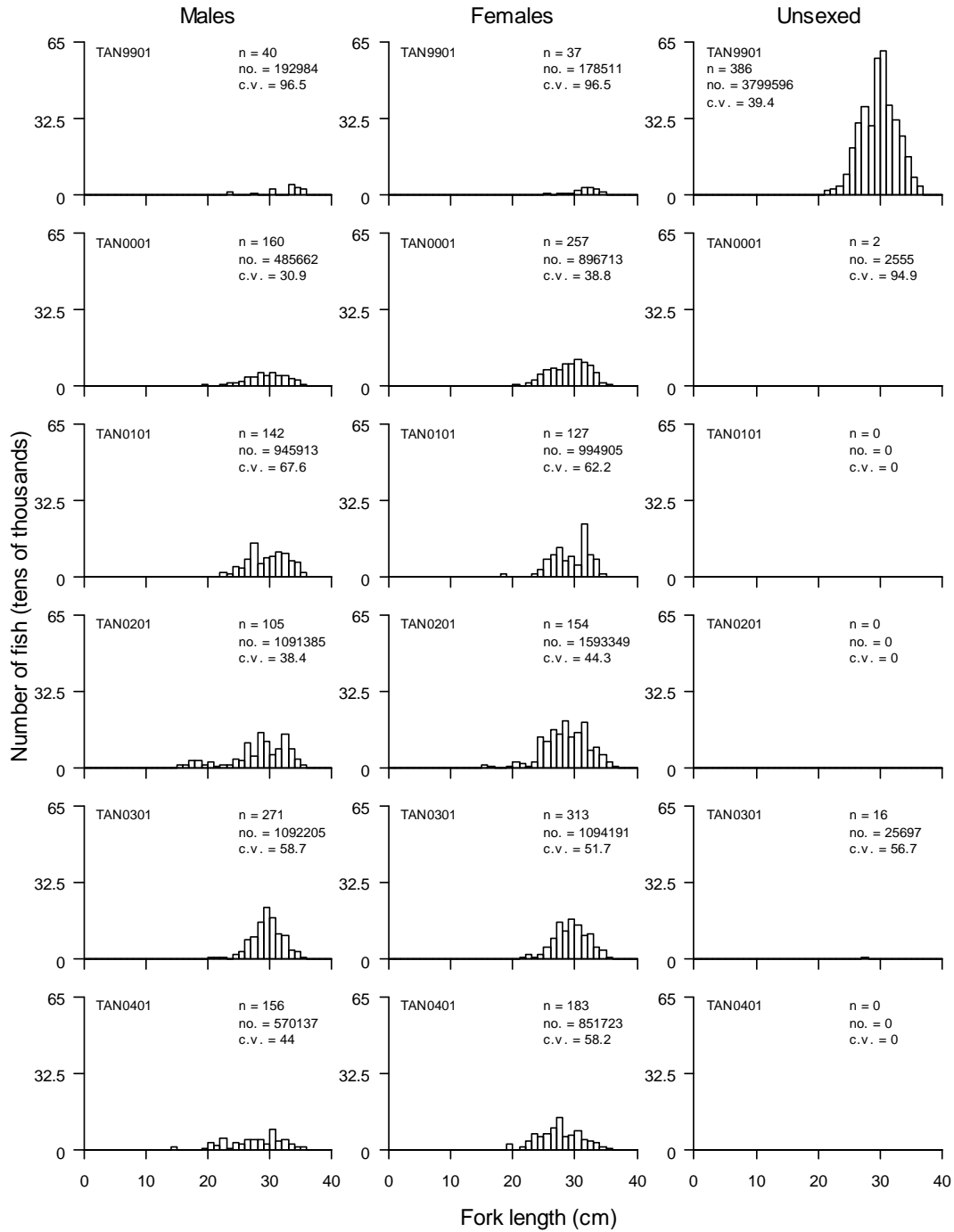


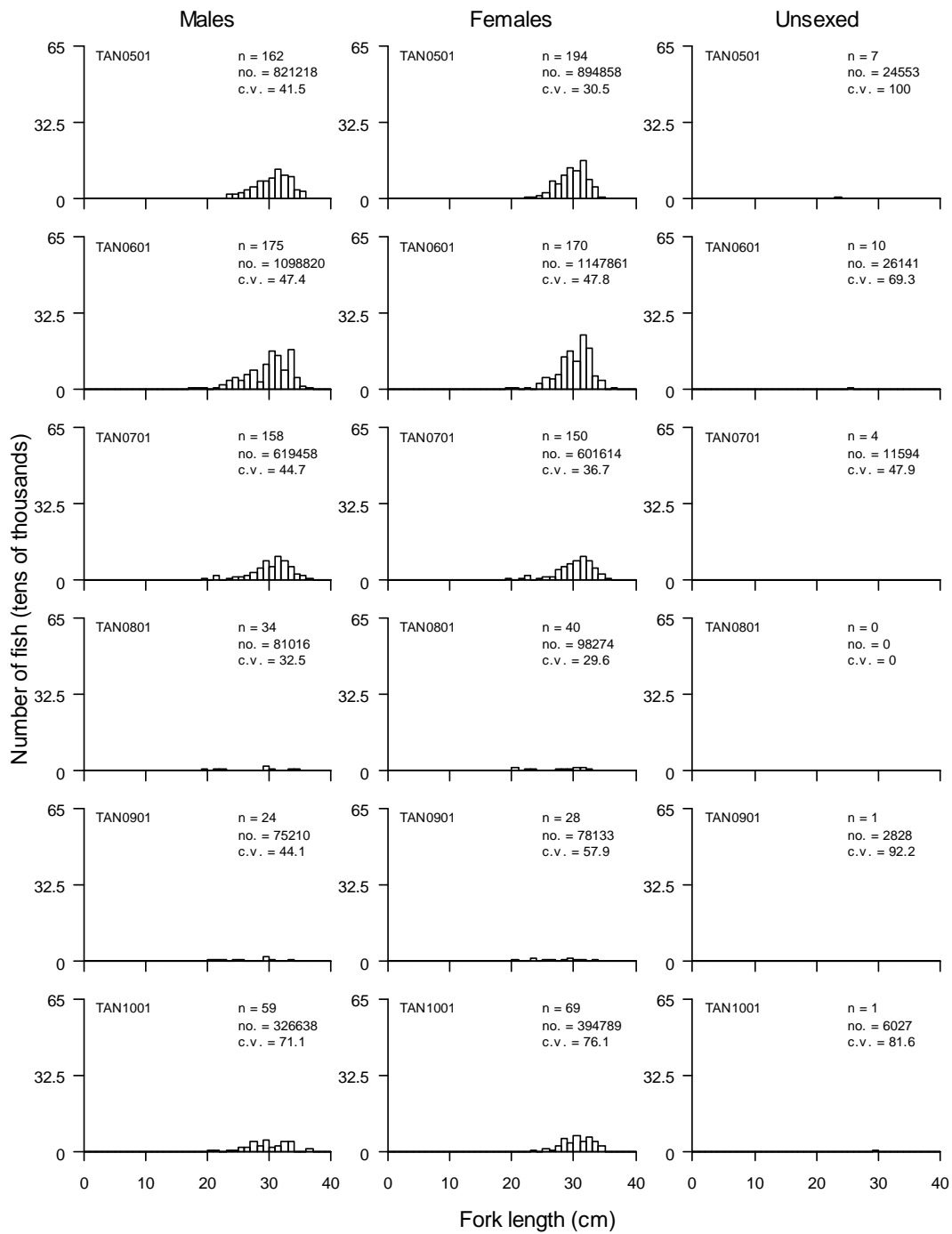






Length Frequencies





Gonad Stage Information

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 | NA | NA | NA | NA | NA | NA | NA | 0 |
| 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 | 0 | 0 | 0.67 | 0.28 | 0.04 | 0 | 0 | 46 |
| 2004 | NA | NA | NA | NA | NA | NA | NA | 0 |
| 2005 | 0.2 | 0.33 | 0.33 | 0.07 | 0.07 | 0 | 0 | 15 |
| 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 | NA | NA | NA | NA | NA | NA | NA | 0 |
| ALL | 0.05 | 0.08 | 0.59 | 0.23 | 0.05 | 0 | 0 | 61 |

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 | NA | NA | NA | NA | NA | NA | NA | 0 |
| 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 | 0.02 | 0 | 0.73 | 0.25 | 0 | 0 | 0 | 52 |
| 2004 | NA | NA | NA | NA | NA | NA | NA | 0 |
| 2005 | 0.14 | 0.14 | 0.41 | 0.32 | 0 | 0 | 0 | 22 |
| 2006 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 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 | NA | NA | NA | NA | NA | NA | NA | 0 |
| ALL | 0.05 | 0.04 | 0.64 | 0.27 | 0 | 0 | 0 | 75 |

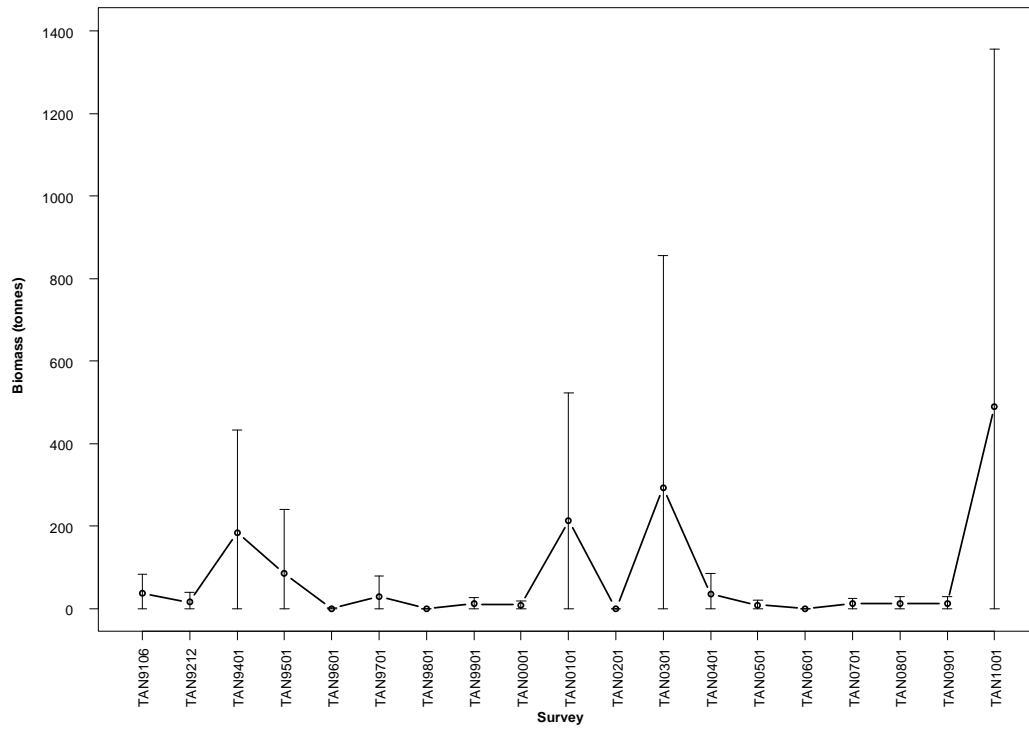


| | |
|---|---------------------------|
| Number of surveys caught 1992–2010 (out of 19): | 18 |
| Total catch weight (kg): | 2 893.2 |
| Number measured | 3 223 |
| Length range (mean) (cm, SL) | 90–40 (24.8) |
| Number weighed | 738 |
| Length-weight parameters a, b (r^2) | 0.05042 , 2.879128 (98.8) |

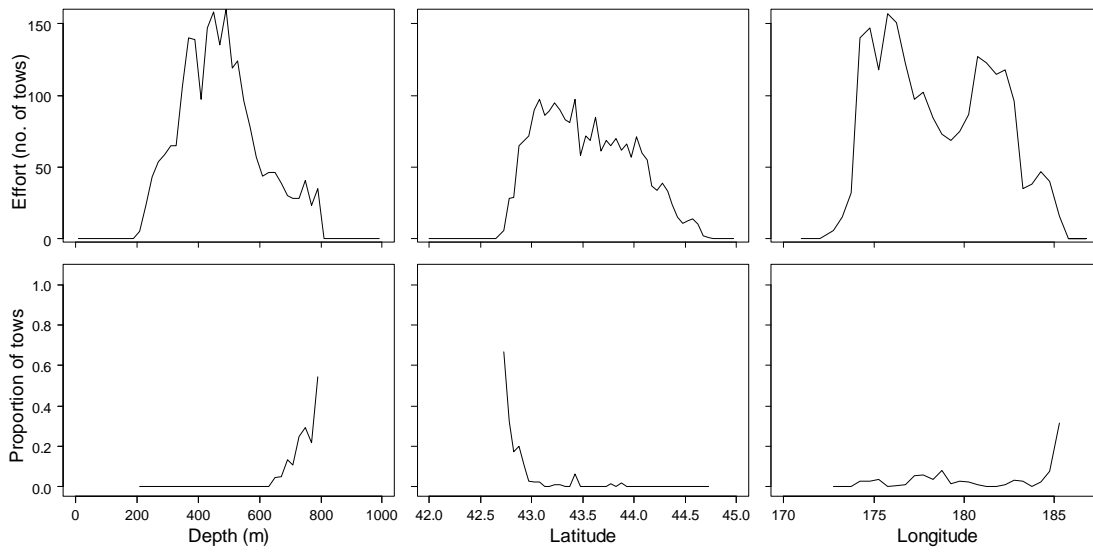
The core survey area and depth range **is not** appropriate for this species. It is found **deeper than 800 m**. Biomass of this species is **poorly** estimated in the core survey area. Biomass **shows no clear trend** since the start of the time series. Catch rates are highest in the **north and east**.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

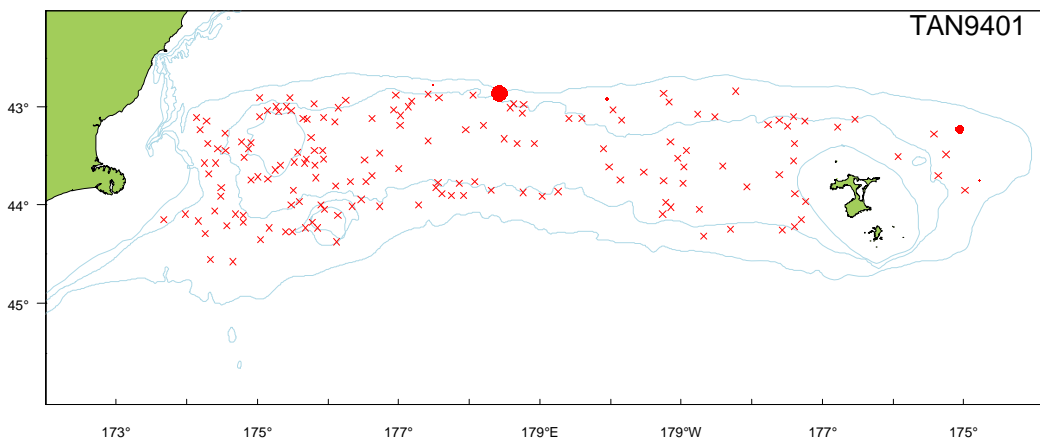
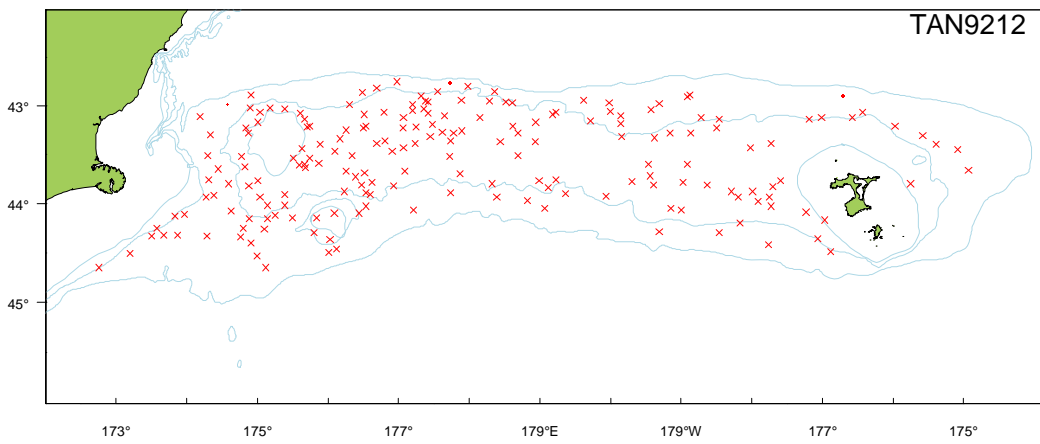
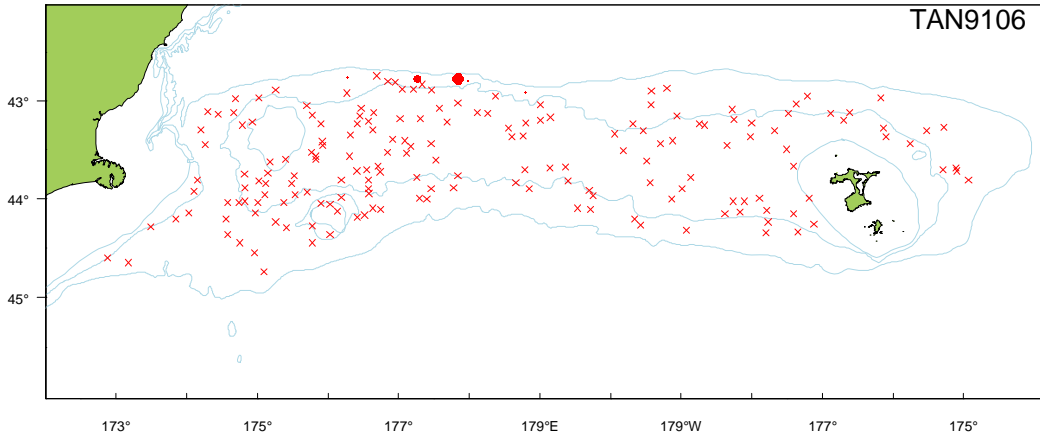
Relative biomass estimates and length summary

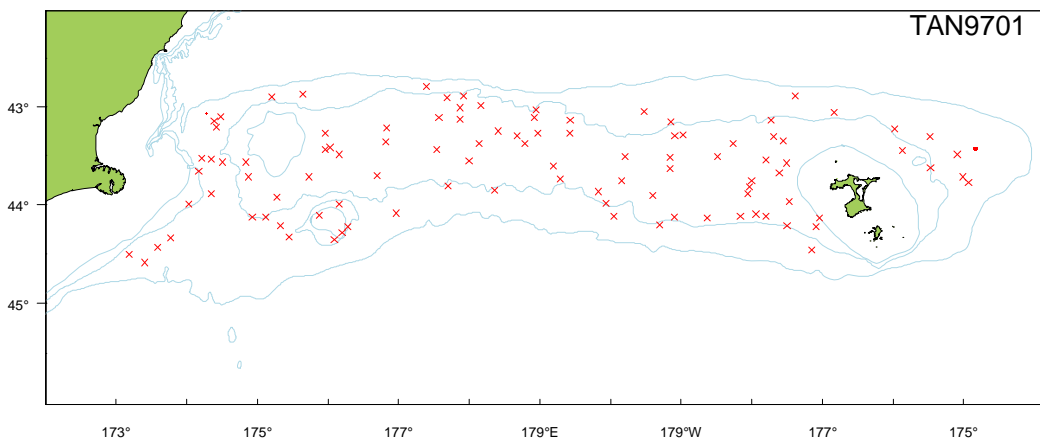
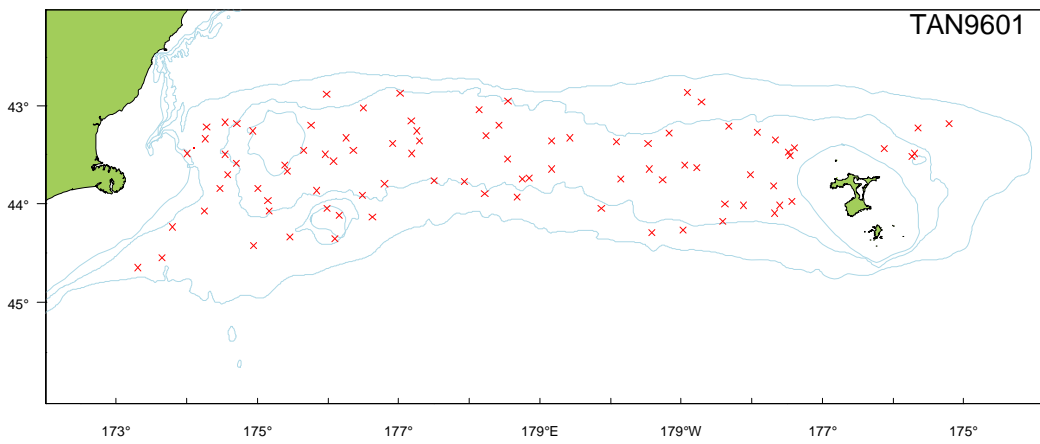
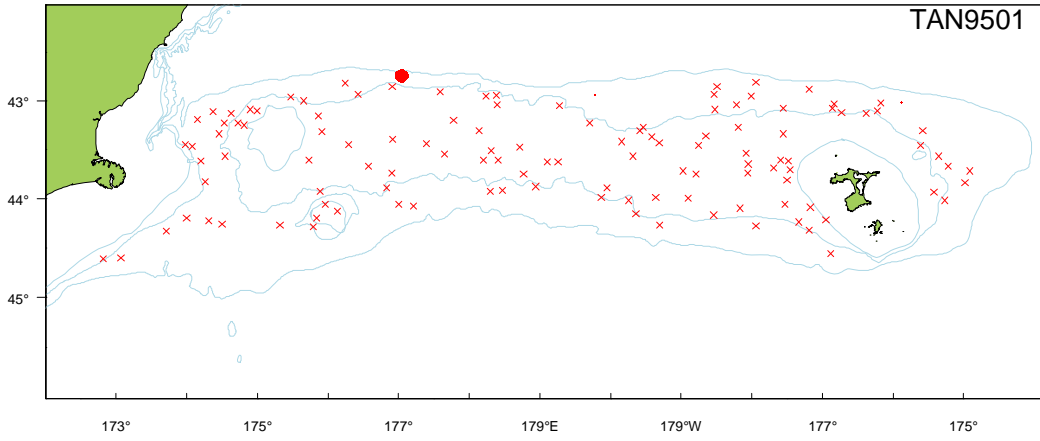
| Year | Biomass (t) | cv (%) | Length (cm) | | | No. measure d |
|------|-------------|--------|-------------|------|------|------------------|
| | | | Min. | Max. | Mean | |
| 1992 | 37 | 63 | 11 | 40 | 22.3 | 105 |
| 1993 | 15 | 74 | 20 | 38 | 28.1 | 9 |
| 1994 | 184 | 68 | 11 | 36 | 21.6 | 234 |
| 1995 | 84 | 92 | 17 | 38 | 28.0 | 55 |
| 1996 | 0 | 100 | 14 | 17 | 15.5 | 2 |
| 1997 | 28 | 90 | 18 | 35 | 23.7 | 15 |
| 1998 | 0 | 0 | - | - | - | 0 |
| 1999 | 11 | 70 | 22 | 35 | 29.0 | 3 |
| 2000 | 8 | 61 | 13 | 31 | 17.8 | 16 |
| 2001 | 213 | 72 | 9 | 38 | 26.2 | 116 |
| 2002 | 0 | - | - | - | - | 0 |
| 2003 | 292 | 97 | 15 | 38 | 28.9 | 88 |
| 2004 | 34 | 74 | 16 | 36 | 27.5 | 22 |
| 2005 | 8 | 70 | 11 | 25 | 16.2 | 23 |
| 2006 | 0 | - | - | - | - | 0 |
| 2007 | 11 | 64 | 10 | 30 | 15.1 | 42 |
| 2008 | 11 | 71 | 12 | 34 | 21.1 | 17 |
| 2009 | 12 | 69 | 9 | 40 | 22.9 | 14 |
| 2010 | 489 | 89 | 12 | 40 | 30.5 | 191 |

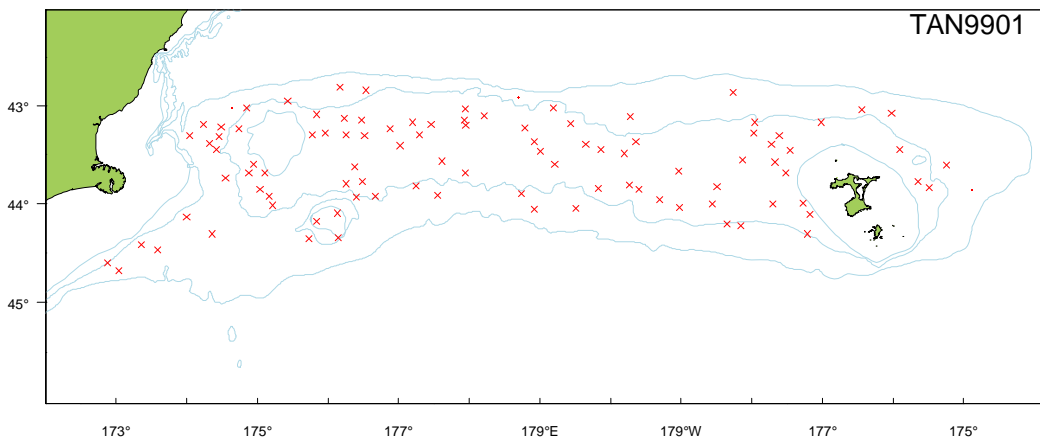
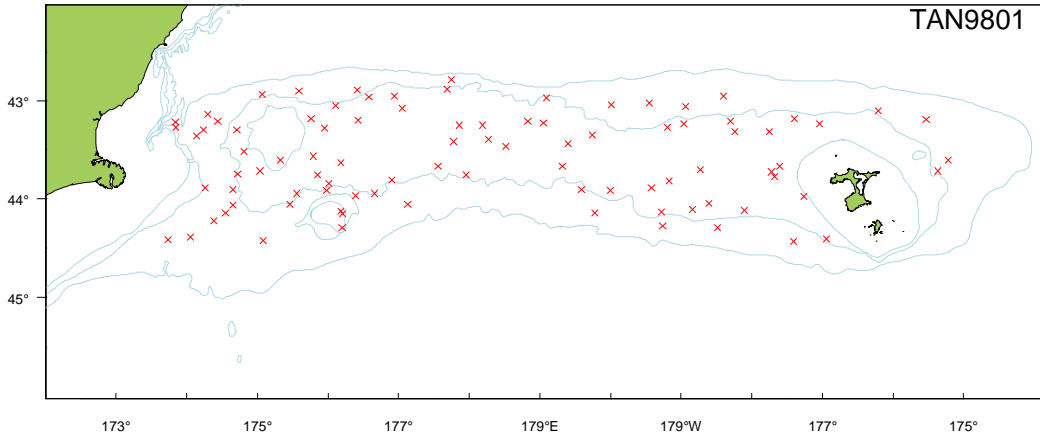


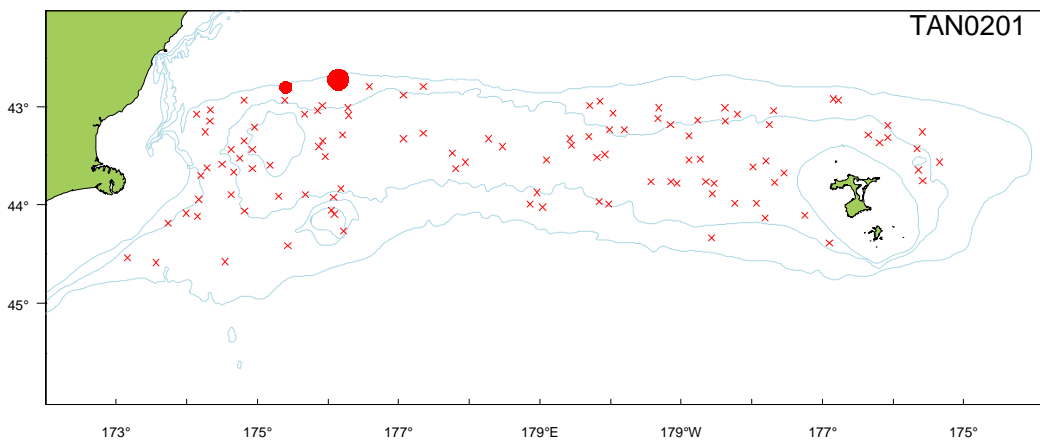
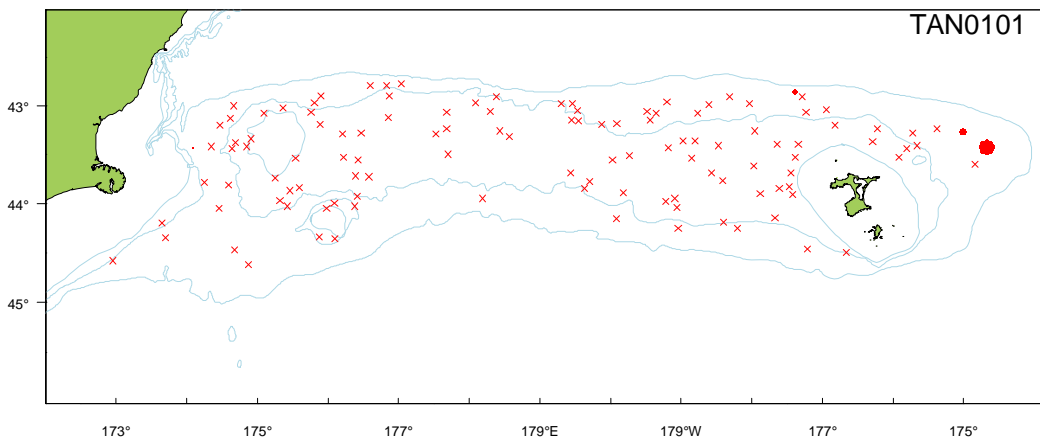
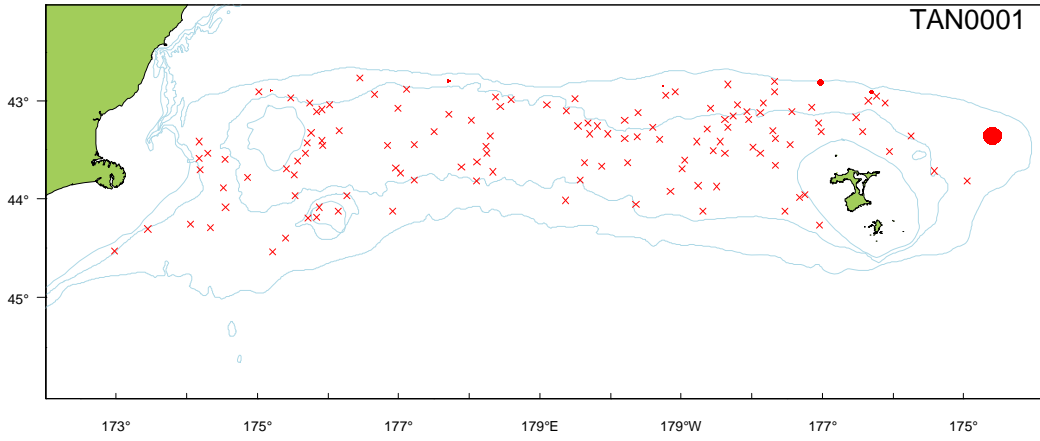
Distribution

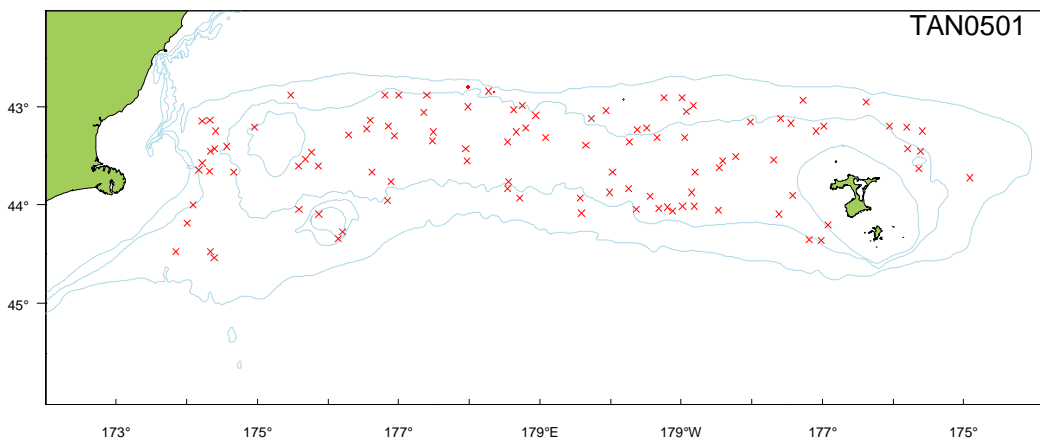
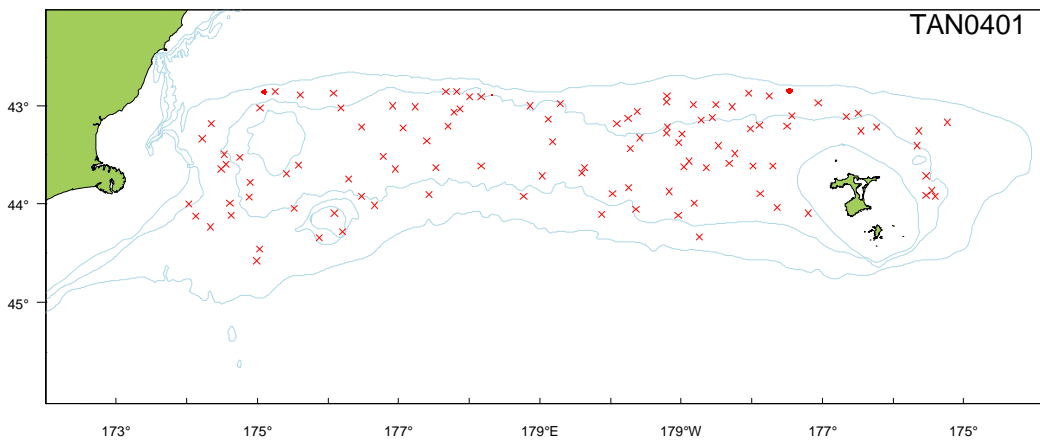
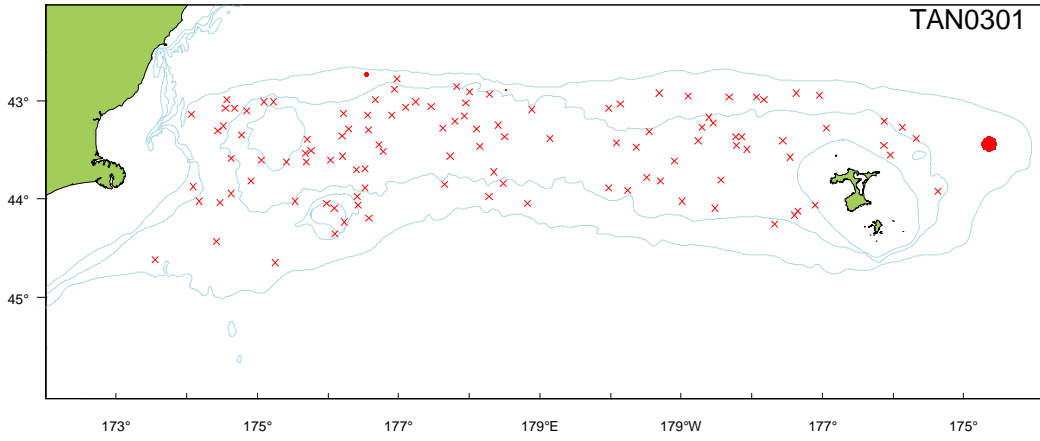


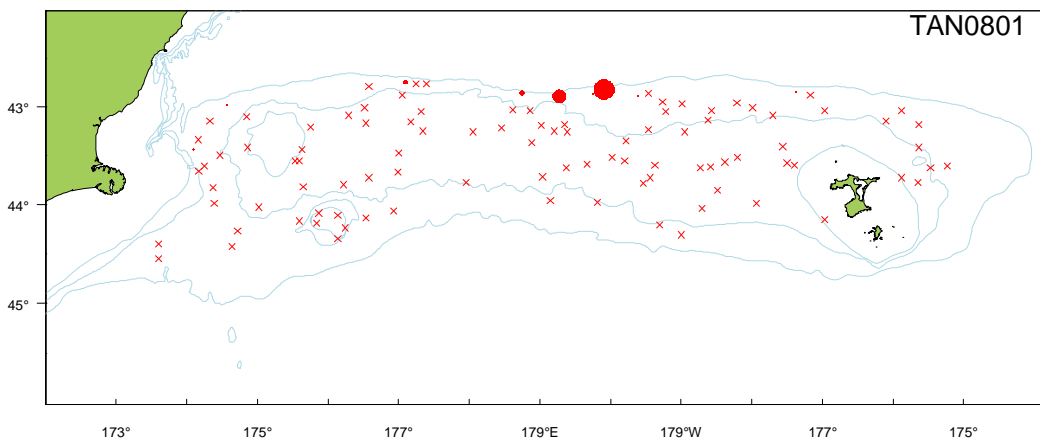
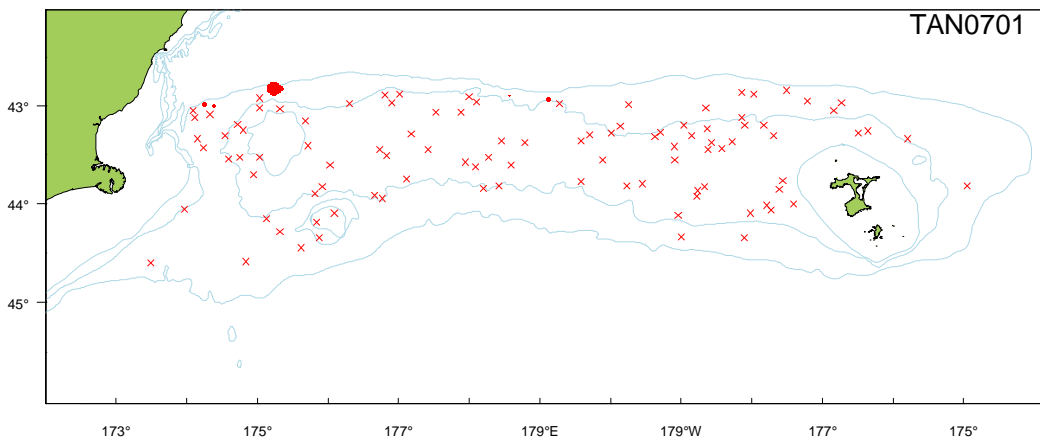
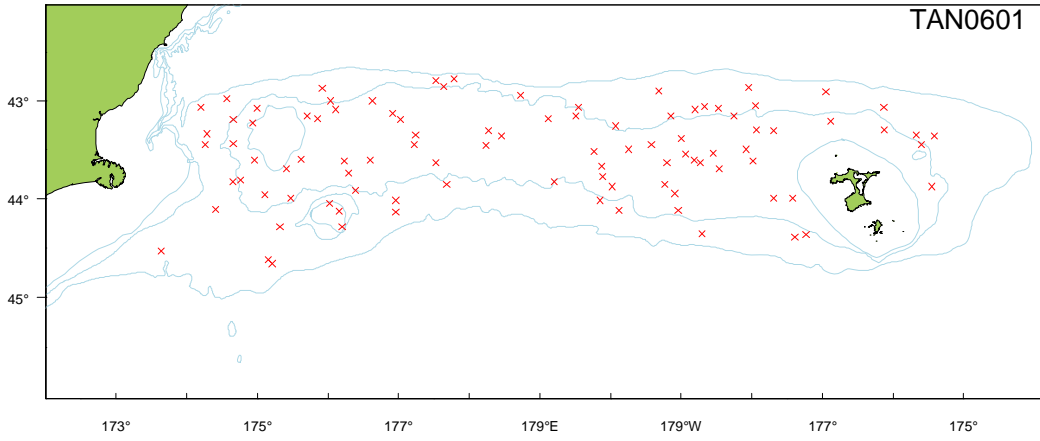


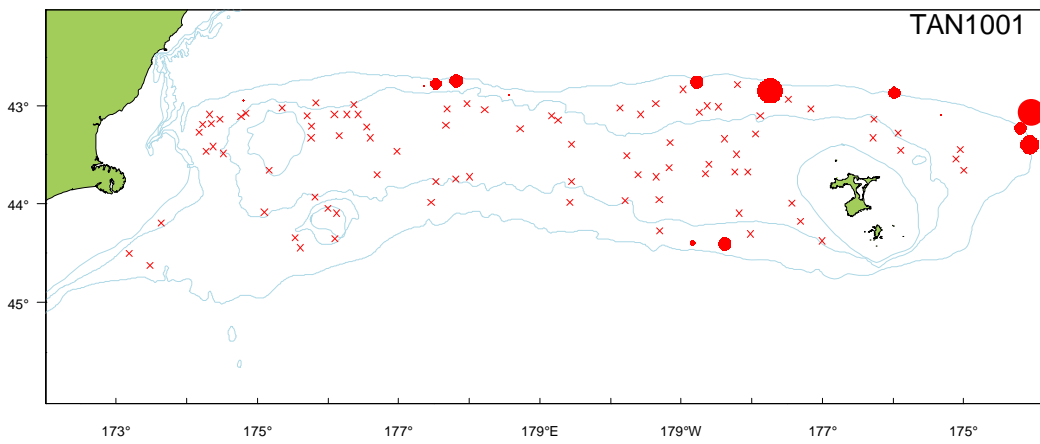
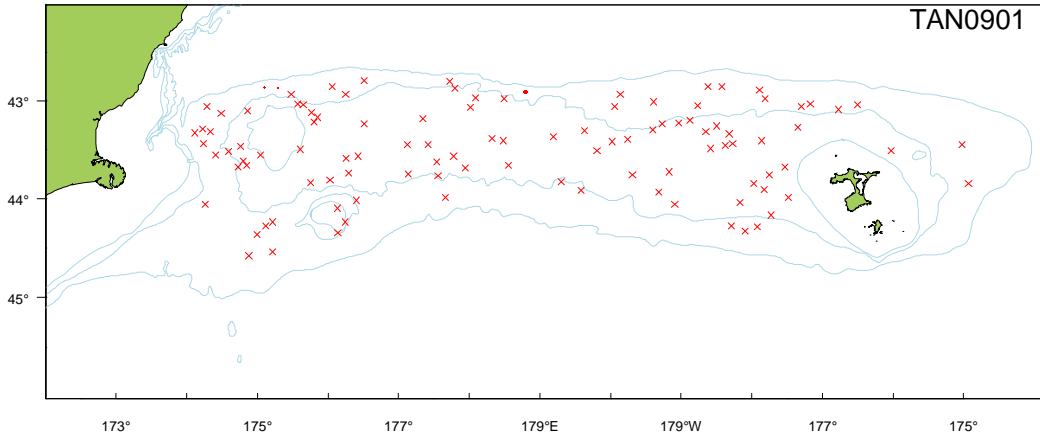




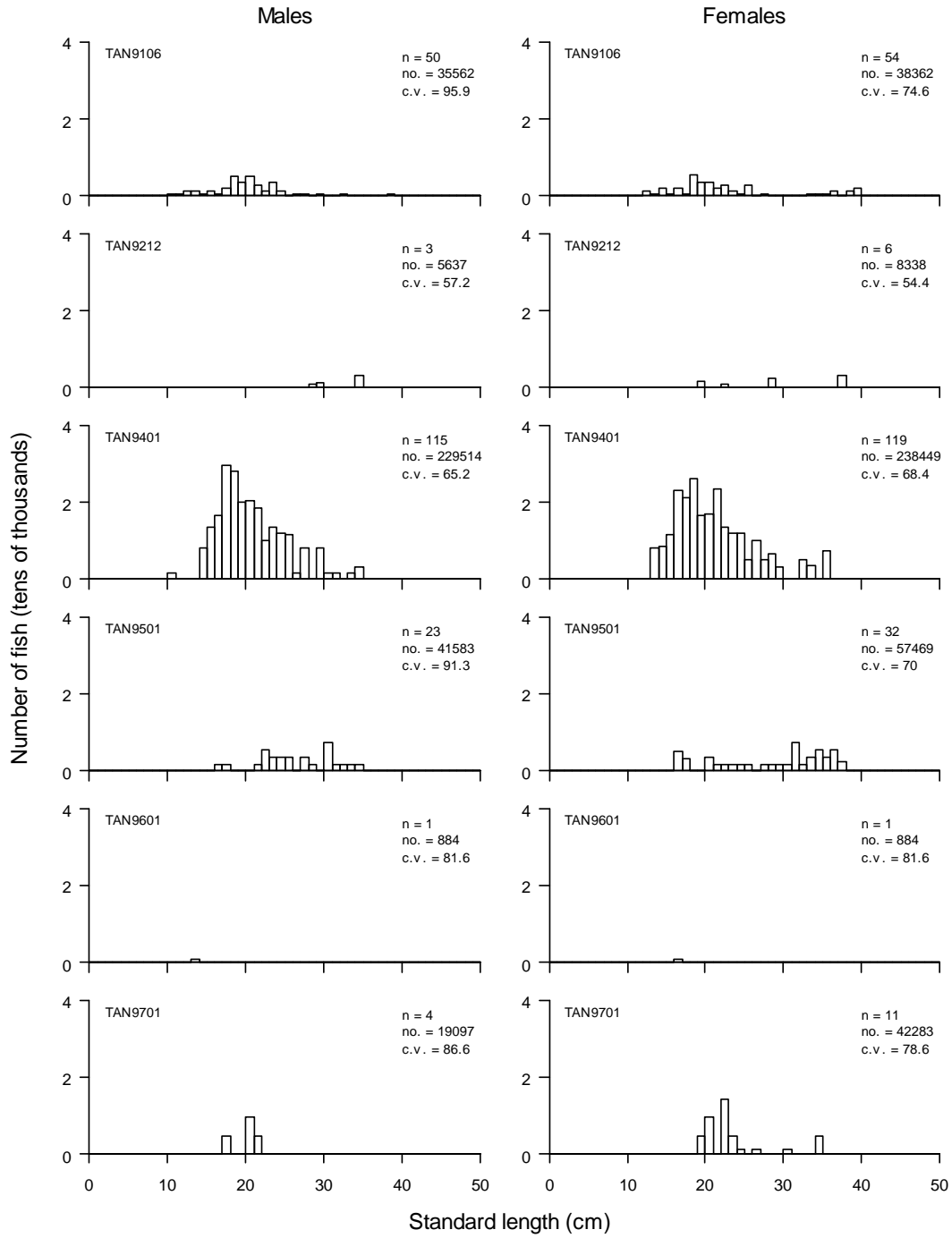


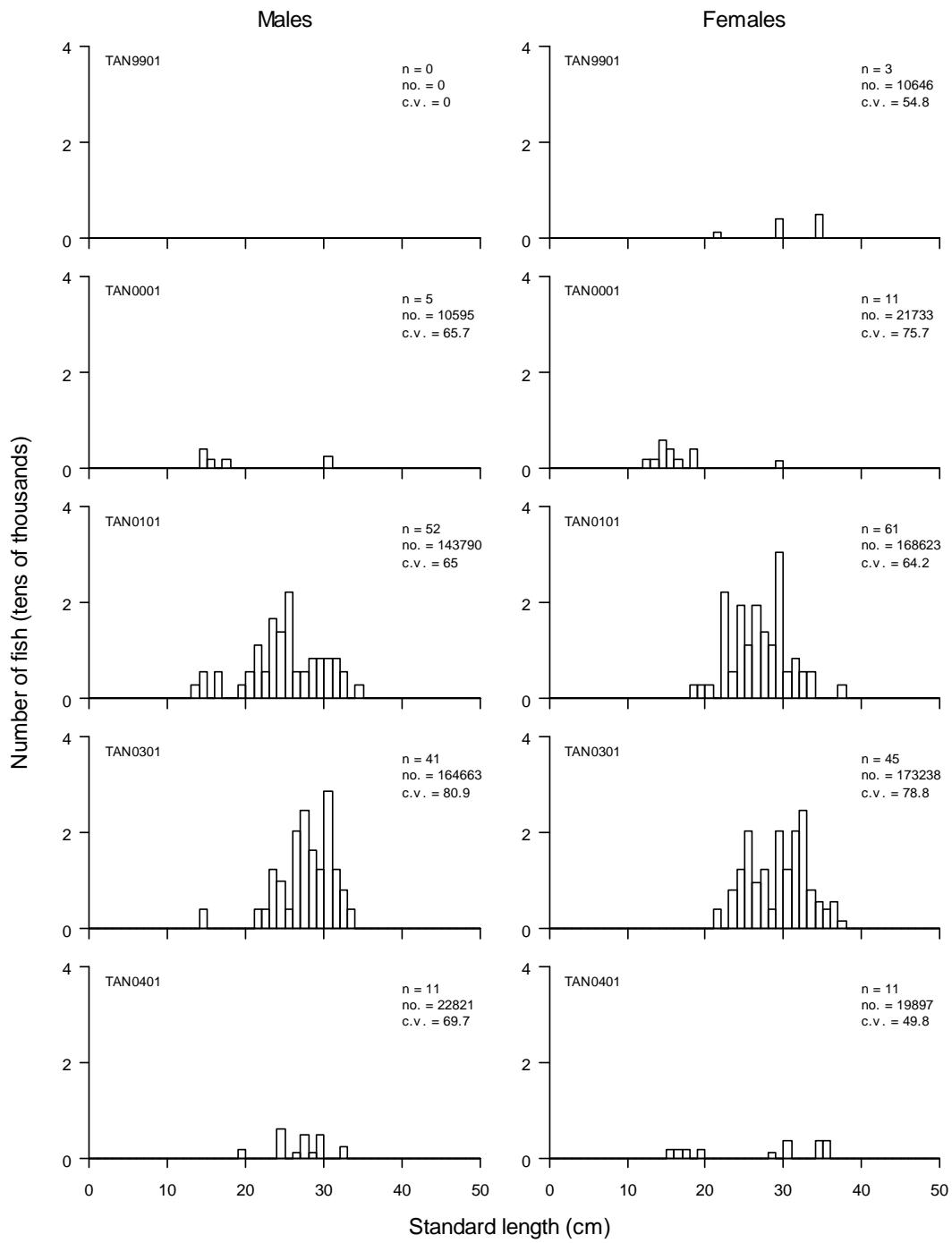


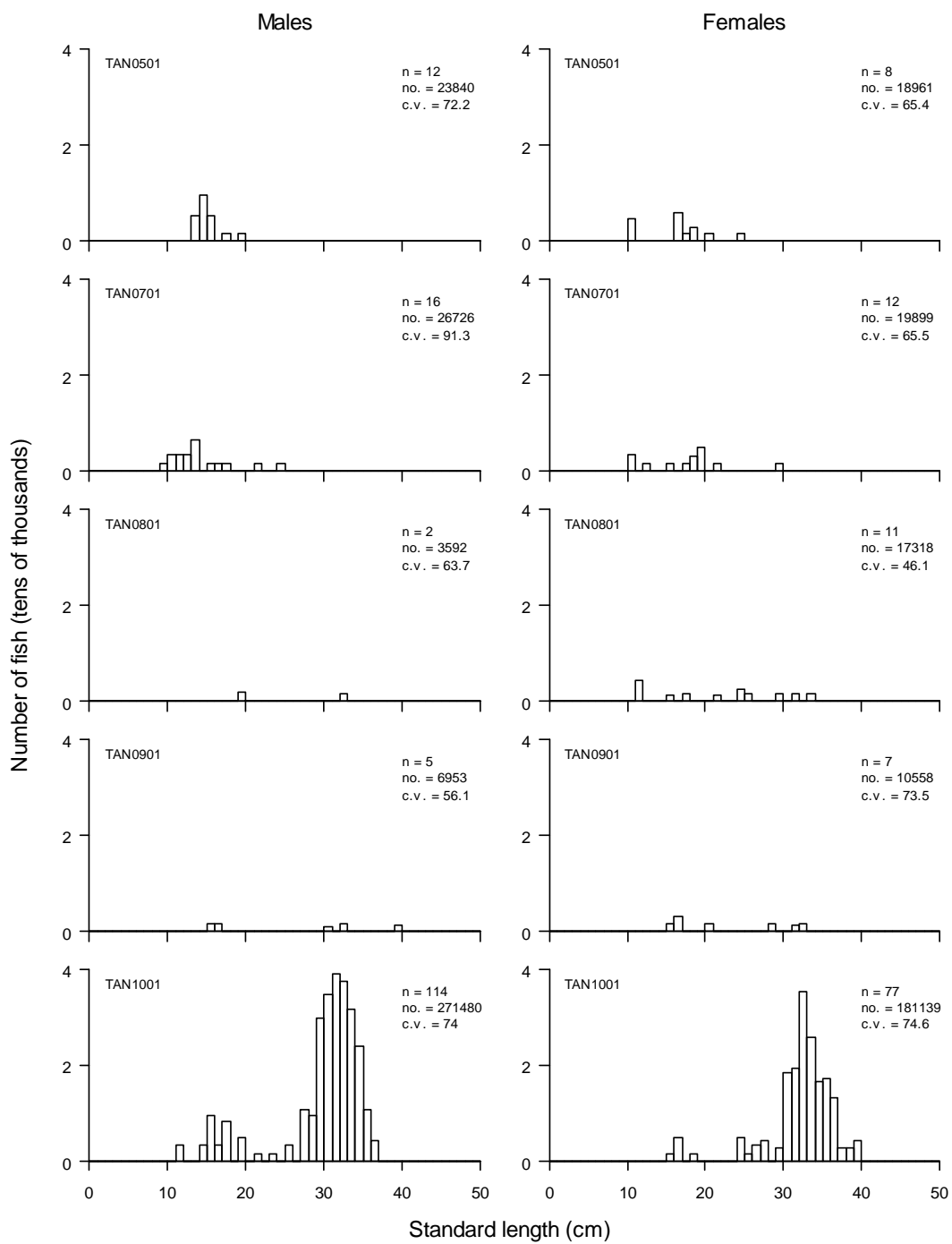




Length Frequencies







Gonad Stage Information

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 | 0.02 | 0.9 | 0.07 | 0 | 0 | 0 | 0 | 0 | 0 | 81 |
| ALL | 0.02 | 0.9 | 0.07 | 0 | 0 | 0 | 0 | 0 | 0 | 81 |

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 | 0.02 | 0.72 | 0.24 | 0.02 | 0 | 0 | 0 | 0 | 0 | 54 |
| ALL | 0.02 | 0.72 | 0.24 | 0.02 | 0 | 0 | 0 | 0 | 0 | 54 |