



# Data Summary for the Southern and Eastern Scalefish and Shark Fishery: Logbook, Landings and Observer Data to 2013

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**Australian Fisheries Management Authority**

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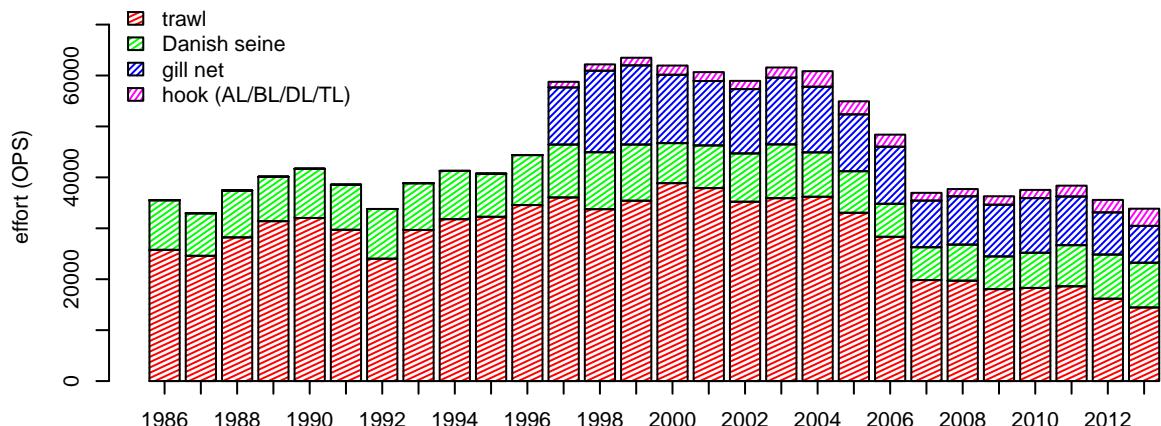
- 7 ... Tiger Flathead
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# Southern and Eastern Scalefish and Shark Fishery

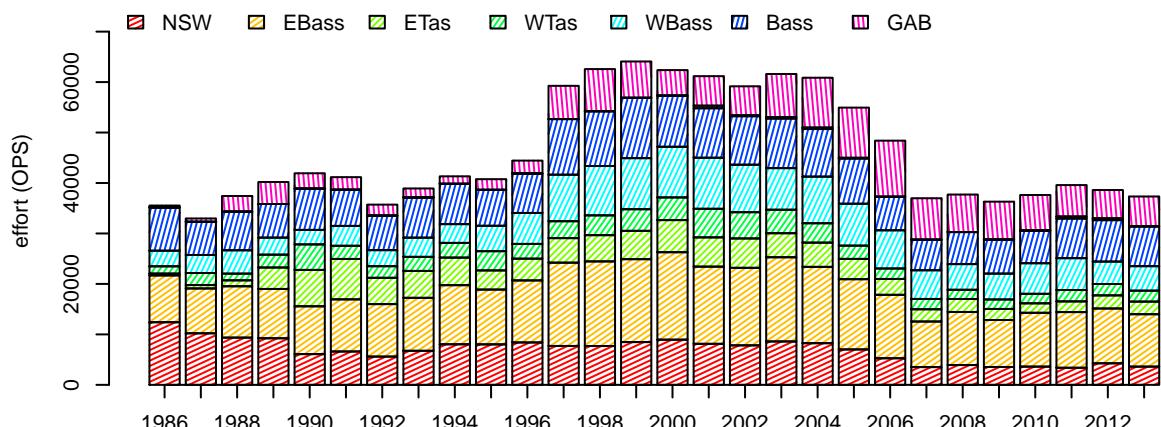
Sat Jul 19 14:28:36 2014

## Fishing operations by method

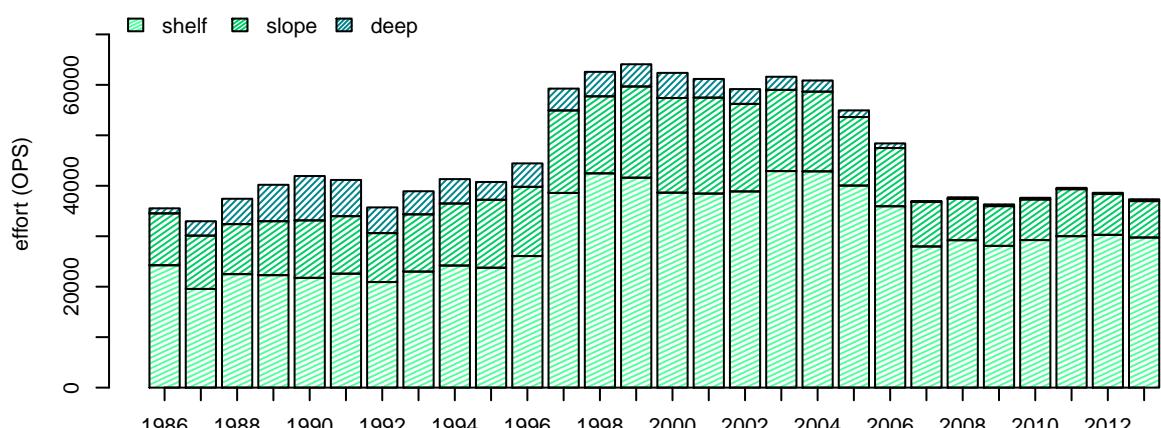
\*gill net & hook missing prior to 1997



## Fishing operations by zone



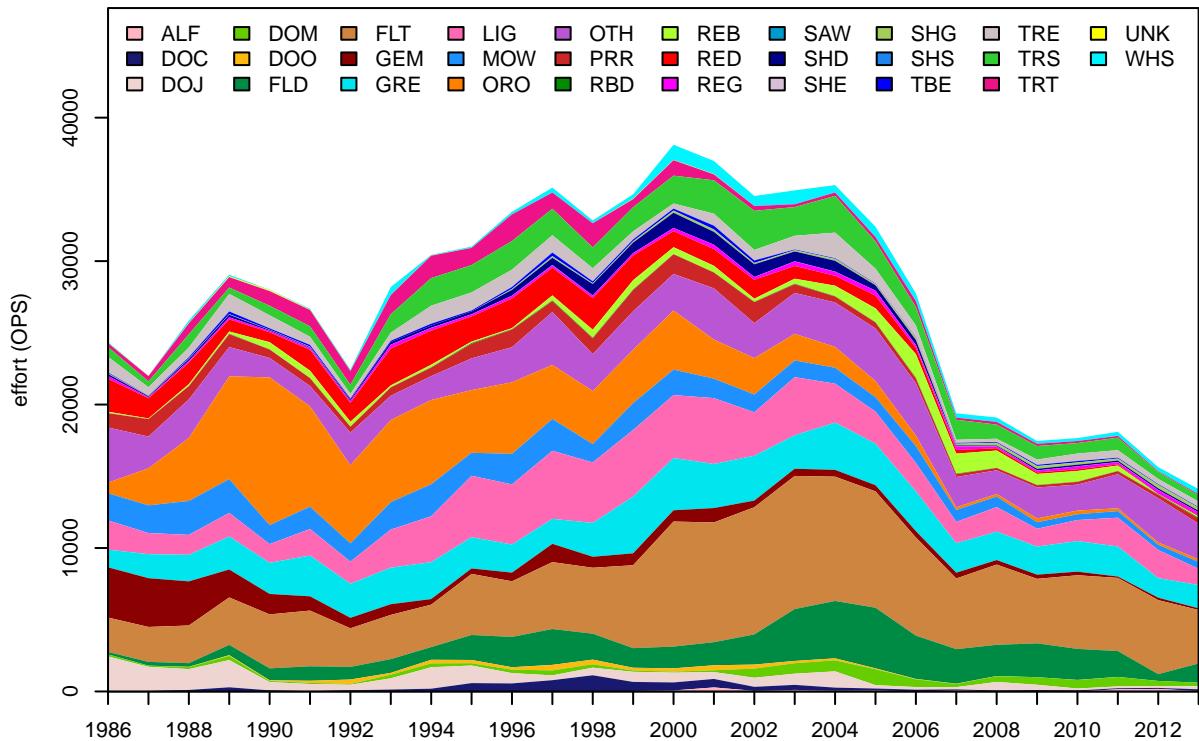
## Fishing operations by depth zone



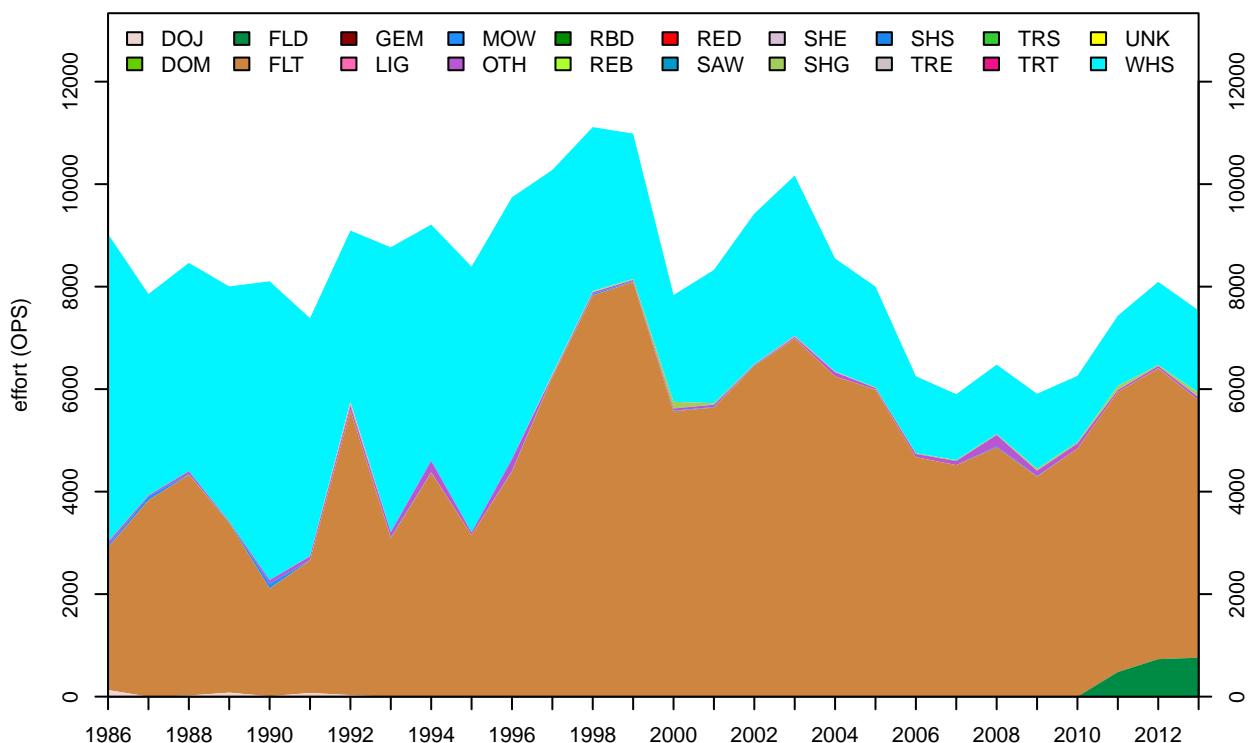
# Southern and Eastern Scalefish and Shark Fishery

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## Fishing operations by target species for trawl



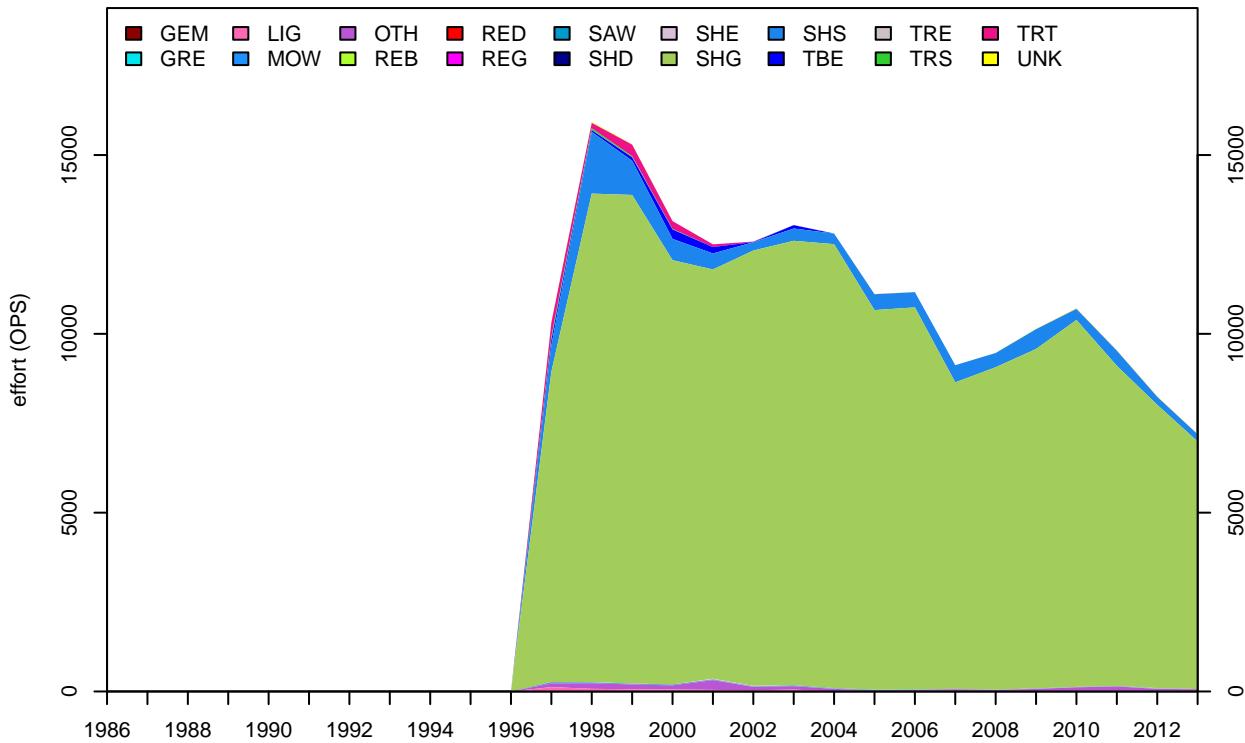
## Fishing operations by target species for Danish seine



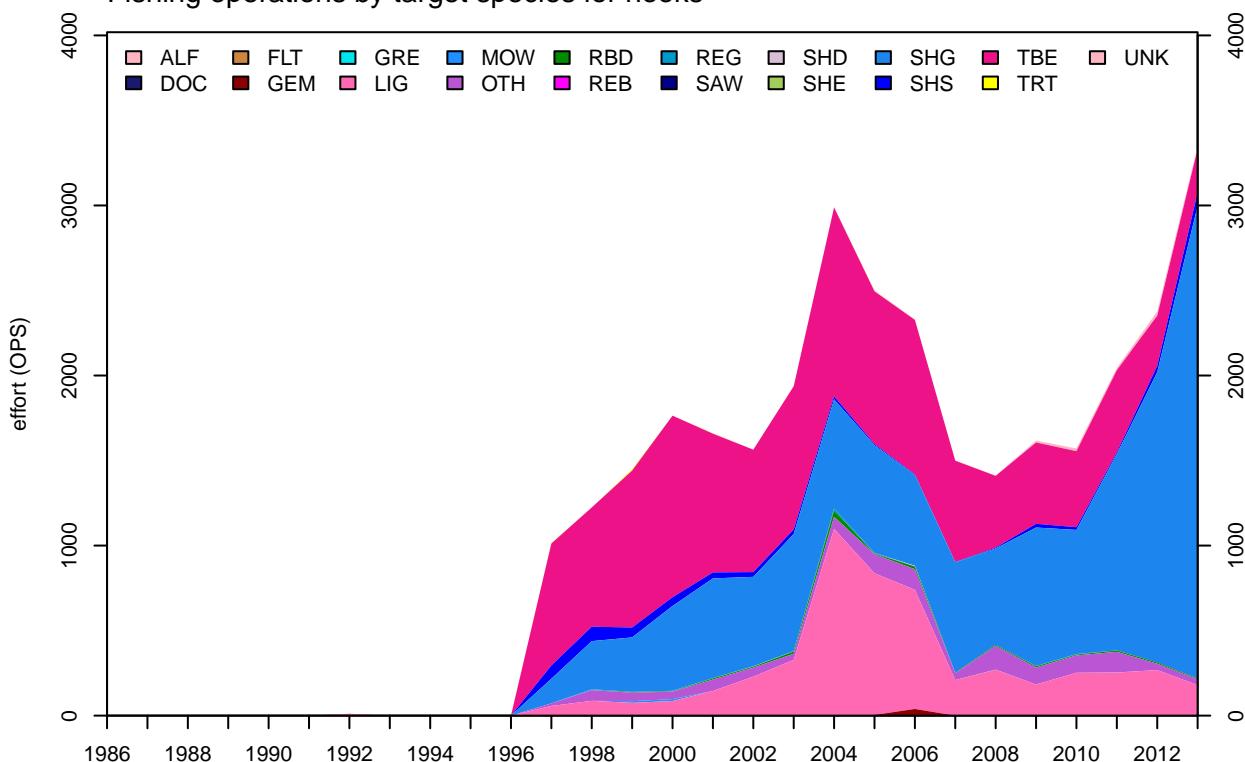
# Southern and Eastern Scalefish and Shark Fishery

Sat Jul 19 14:28:37 2014

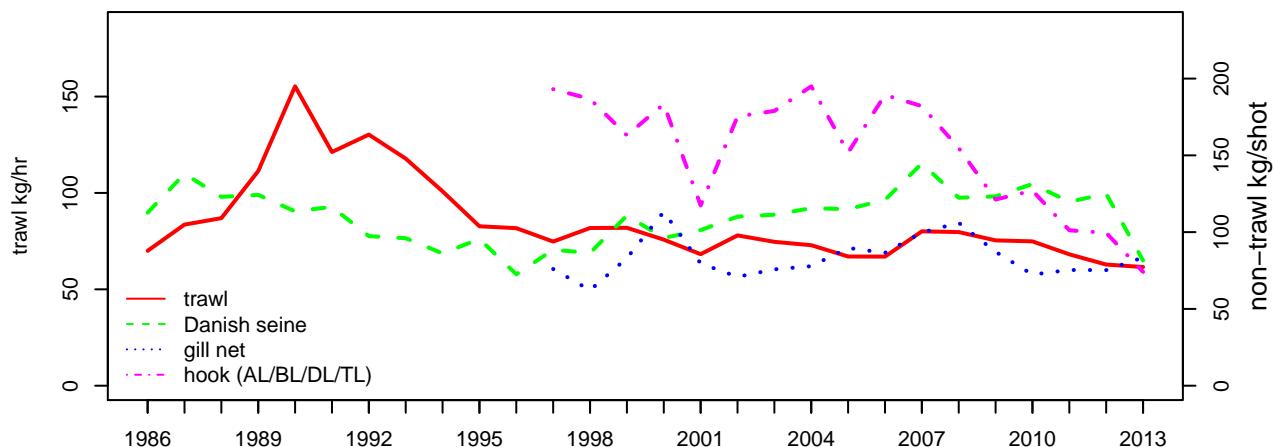
## Fishing operations by target species for gill net



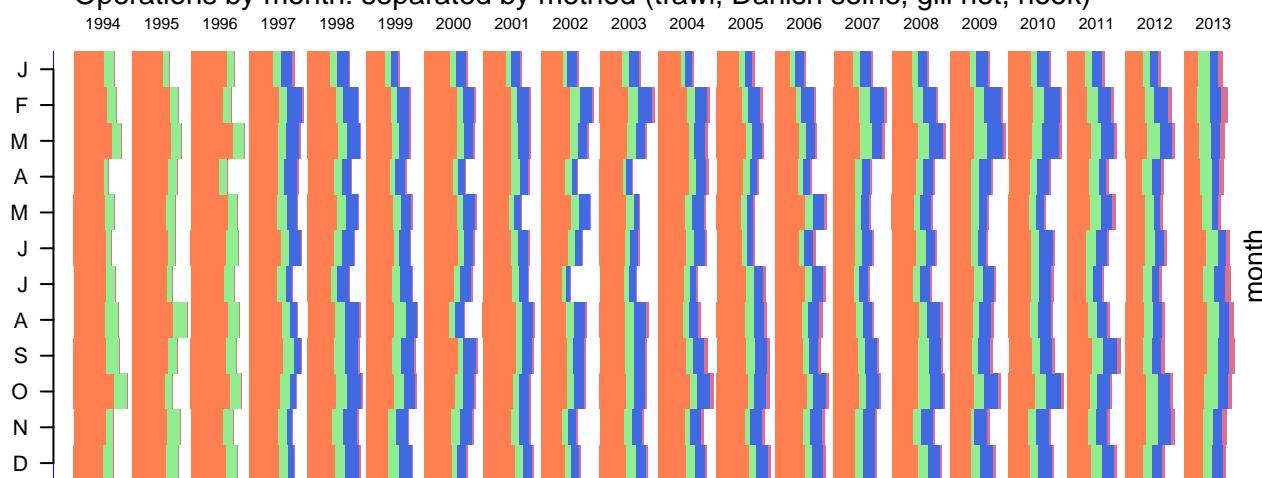
## Fishing operations by target species for hooks



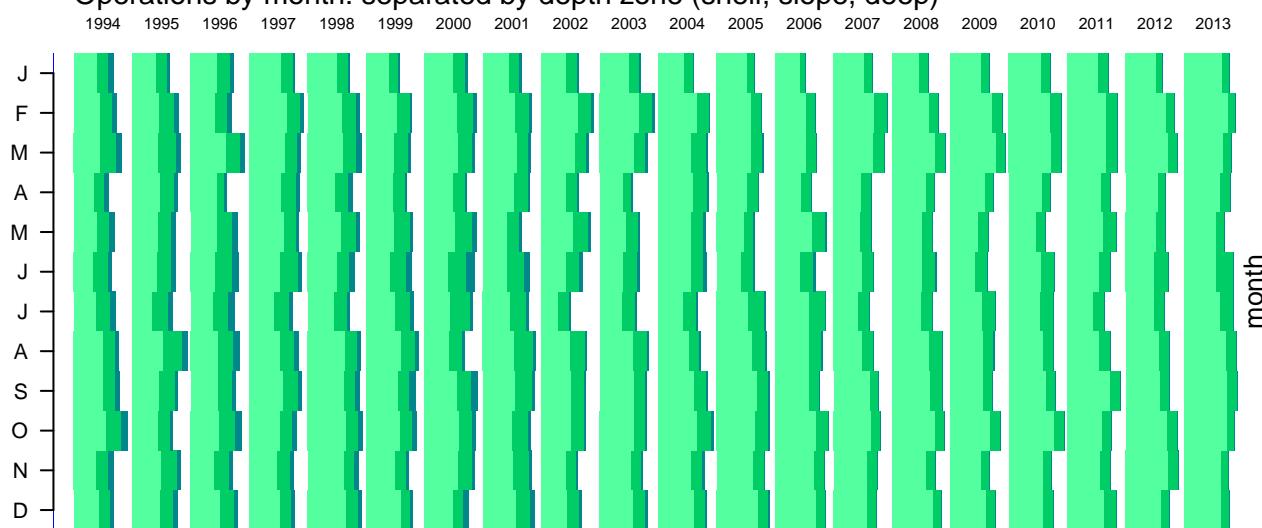
## Geometric mean CPUE for all quota species



## Operations by month: separated by method (trawl, Danish seine, gill net, hook)



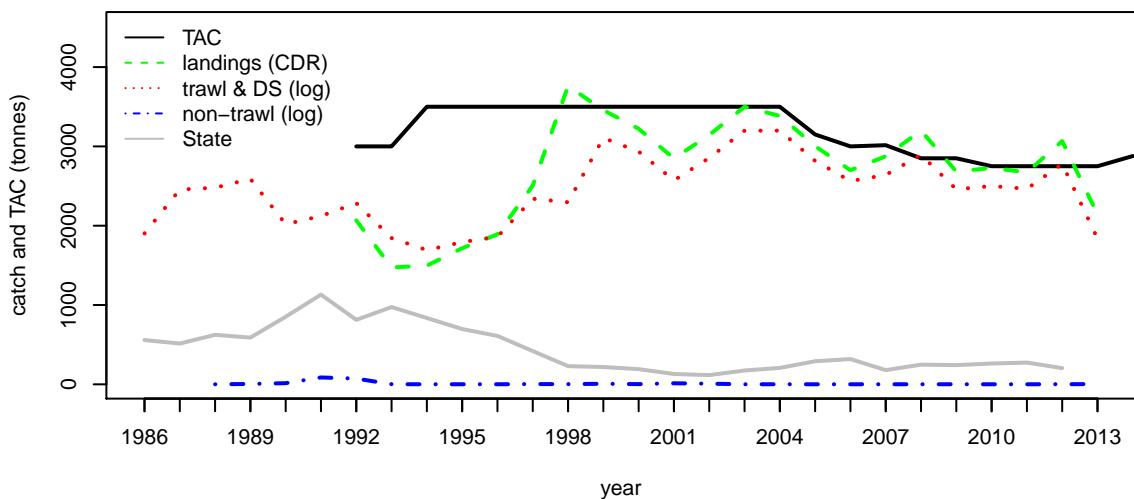
## Operations by month: separated by depth zone (shelf, slope, deep)



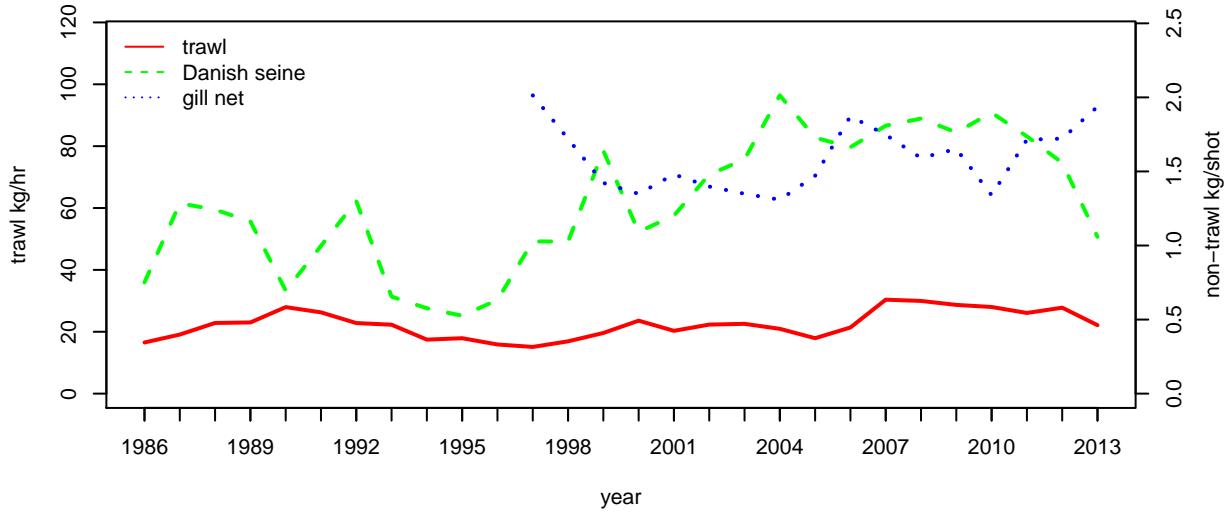
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 start month 1

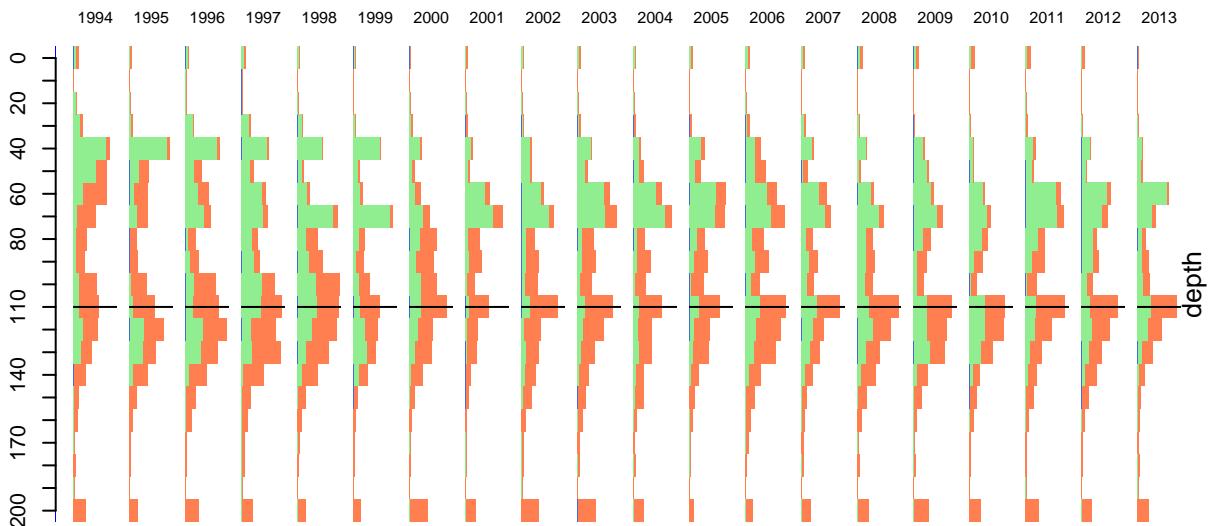
## TAC and landings



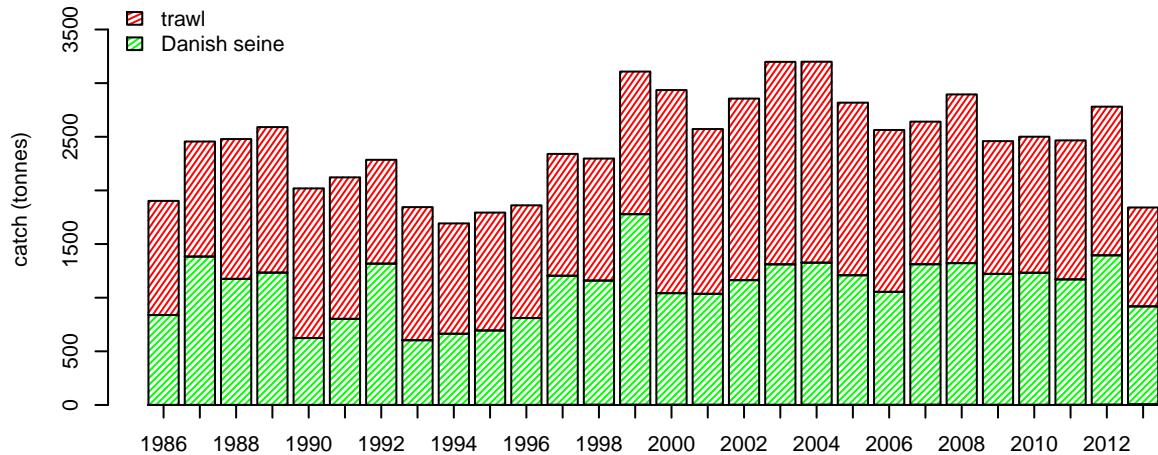
## Geometric mean CPUE



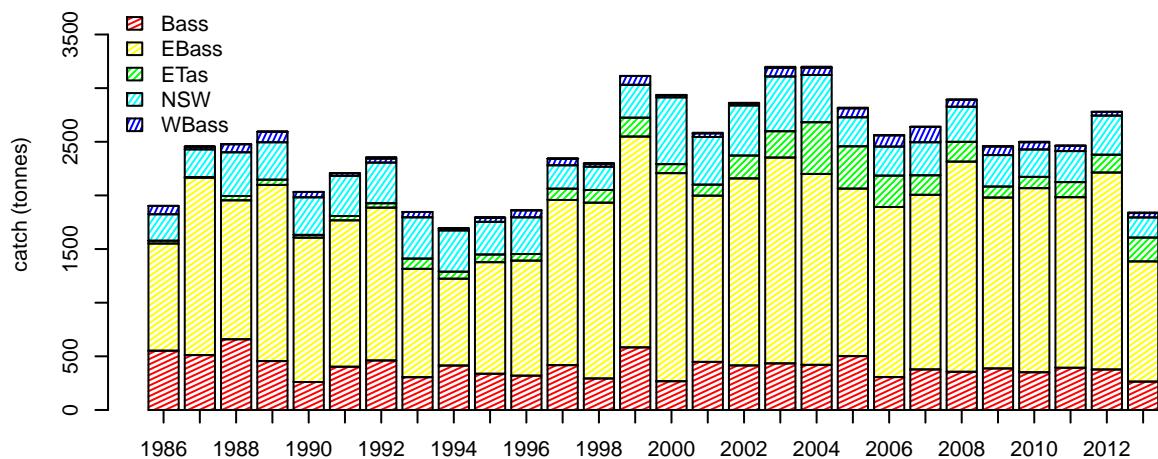
## Catch at depth



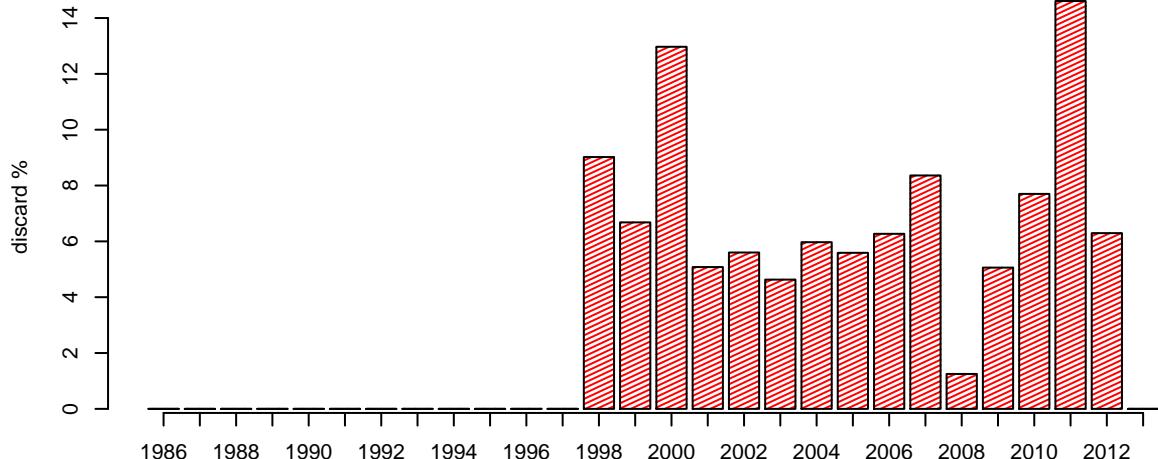
## Catch by gear



## Catch by zone



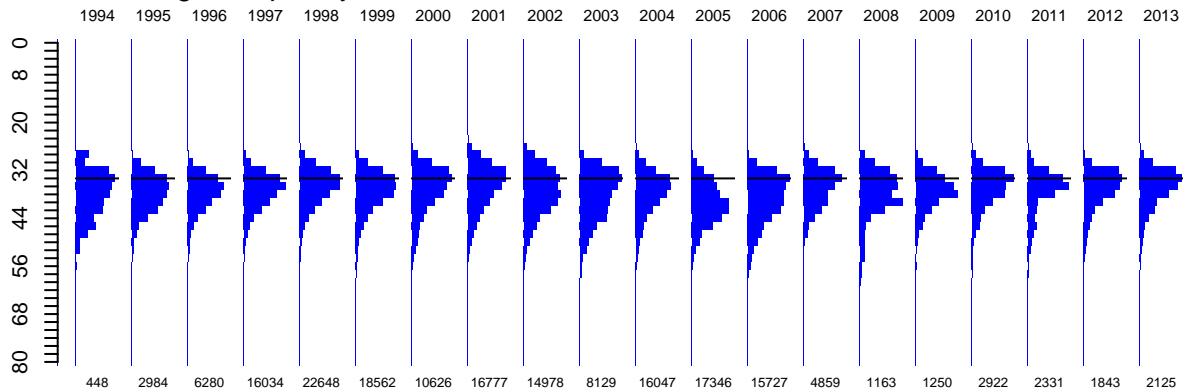
## Discards



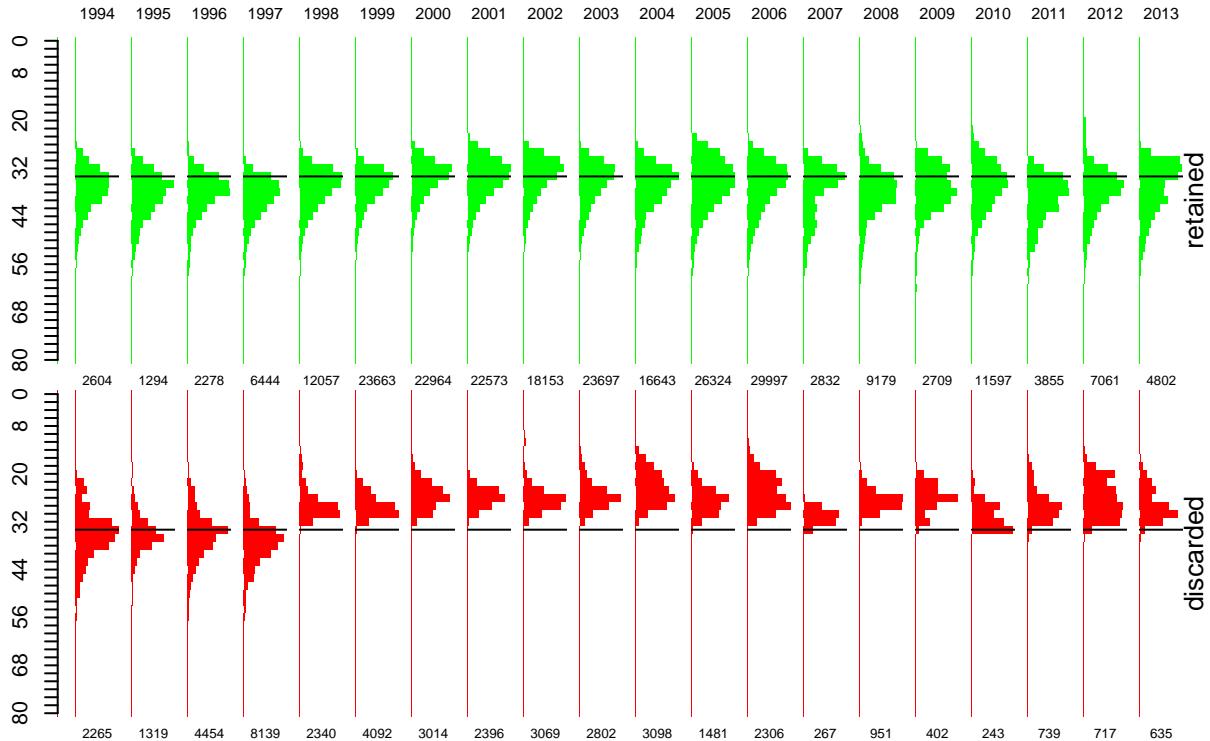
# Tiger Flathead

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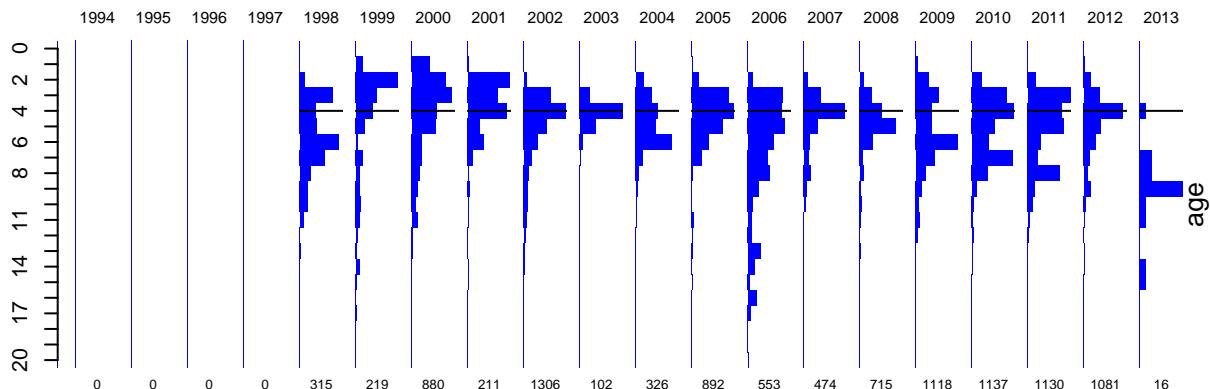
## Port length frequency



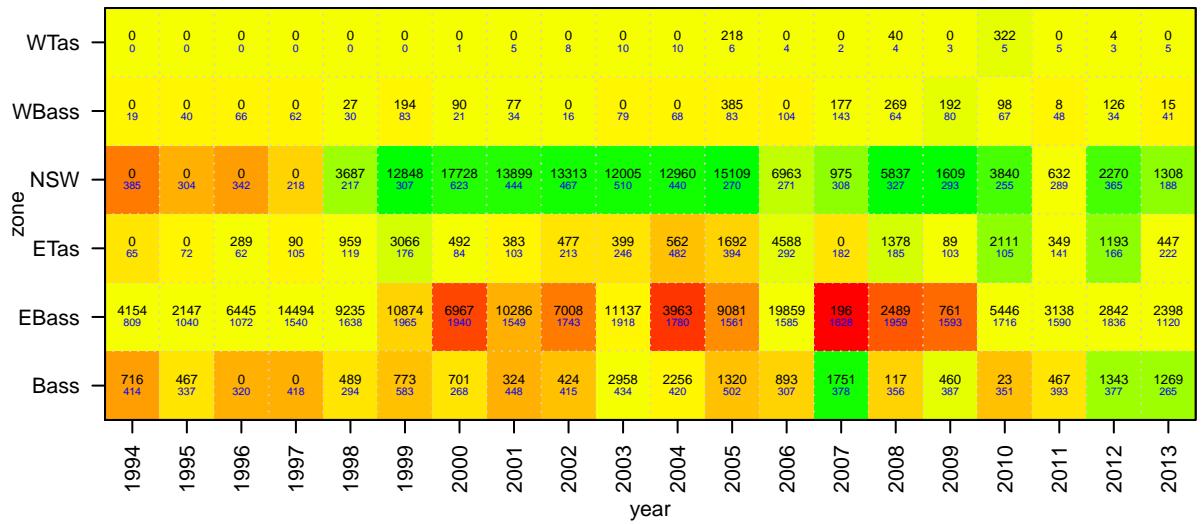
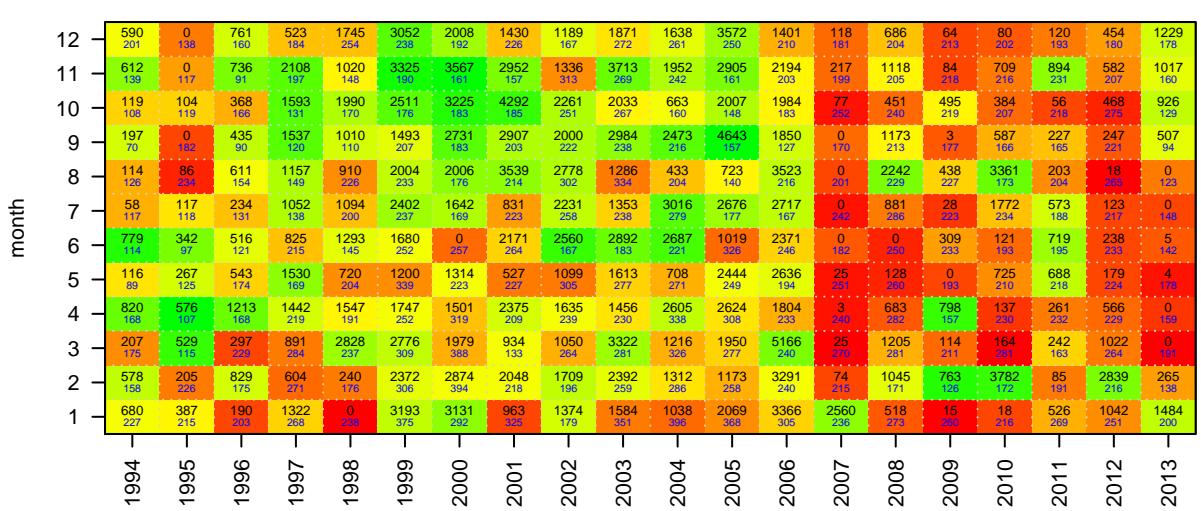
## Onboard length frequency



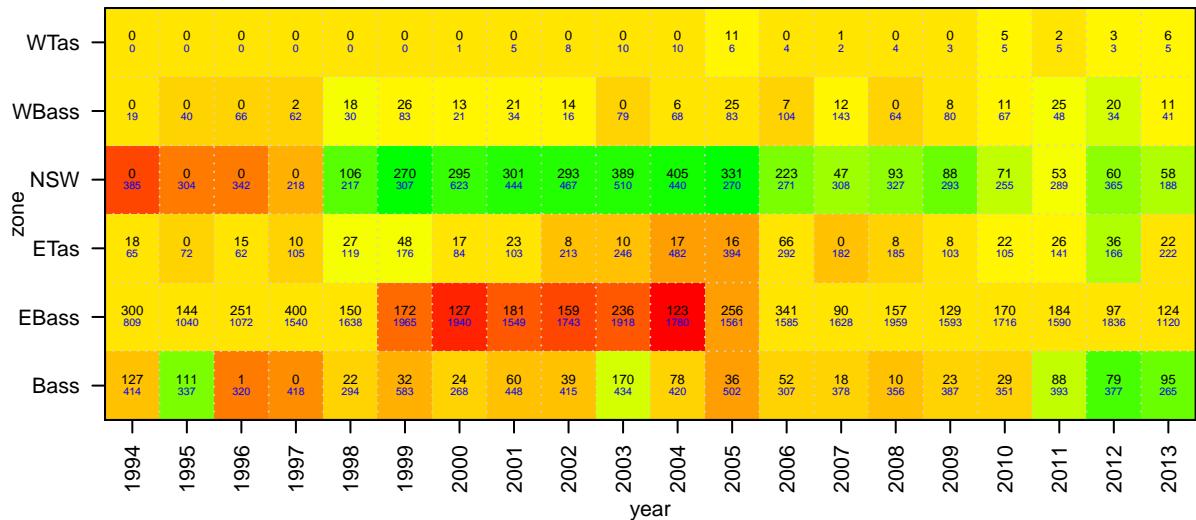
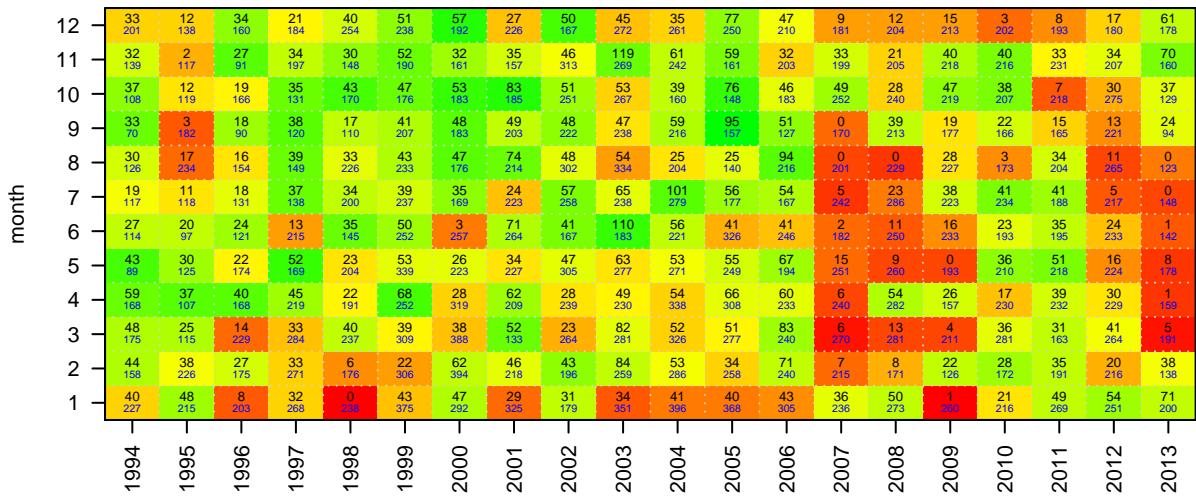
## Age frequency



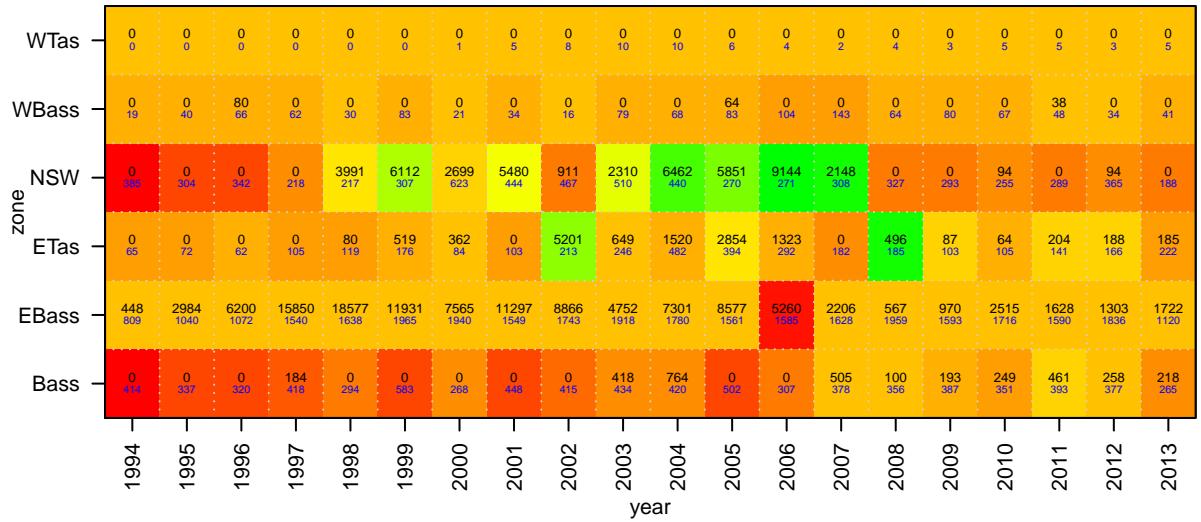
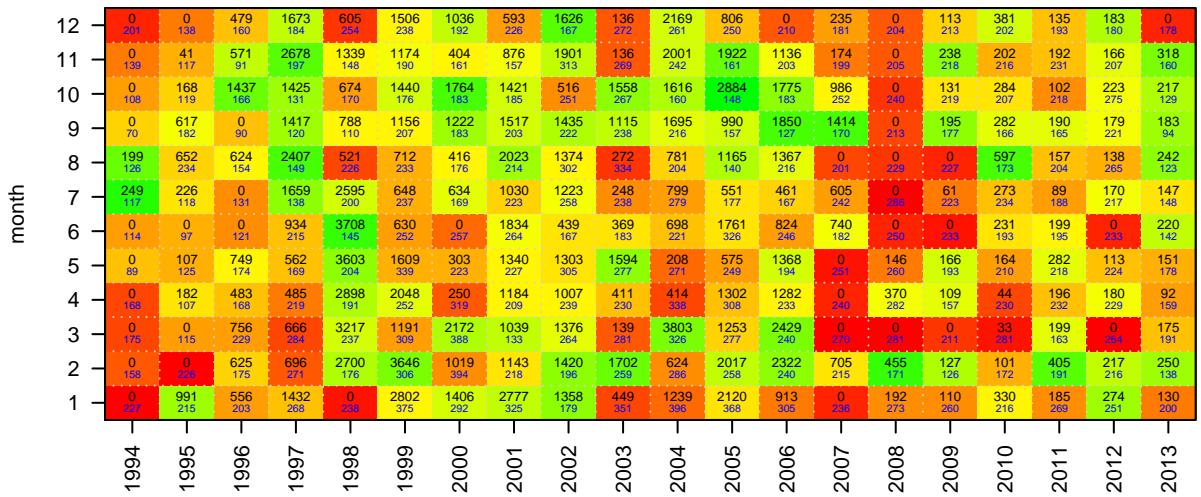
## Onboard length data



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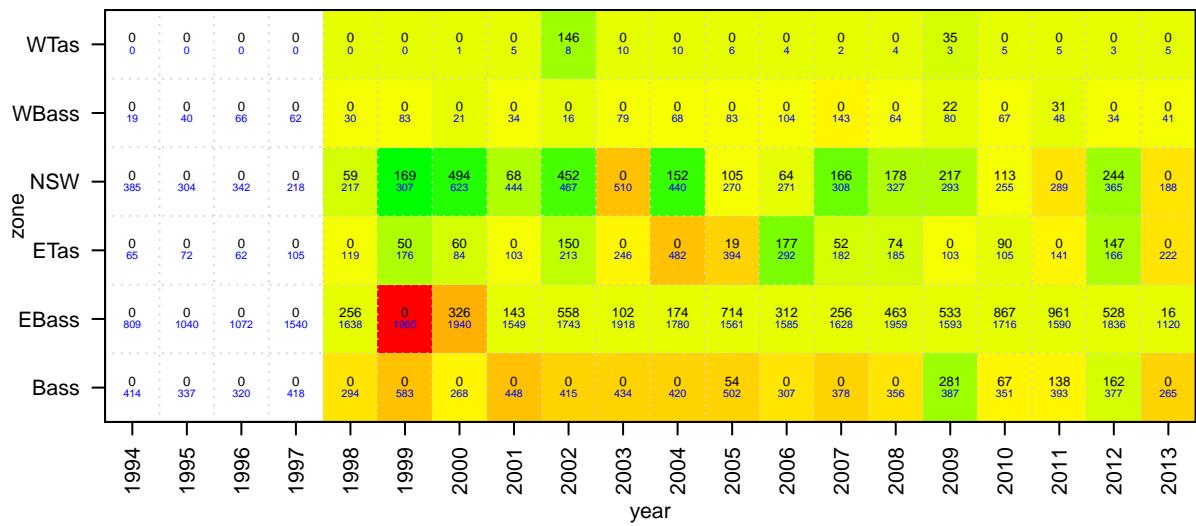
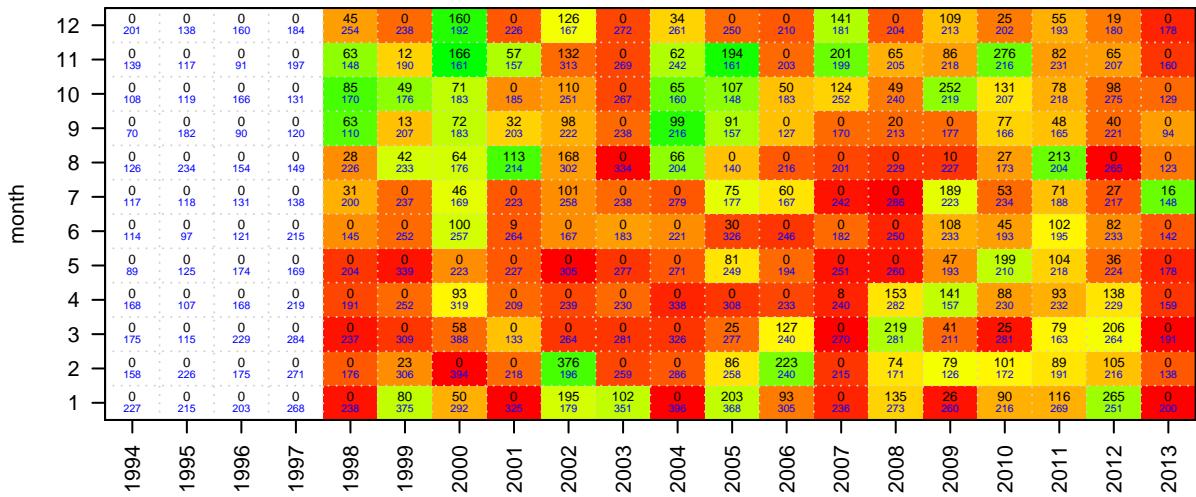
## Port length data



# Tiger Flathead

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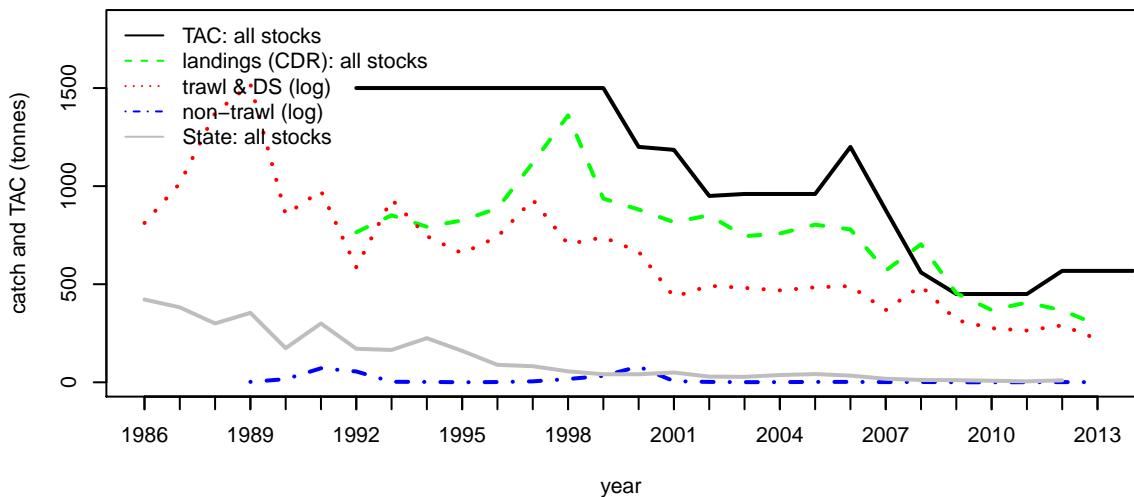
## Age data



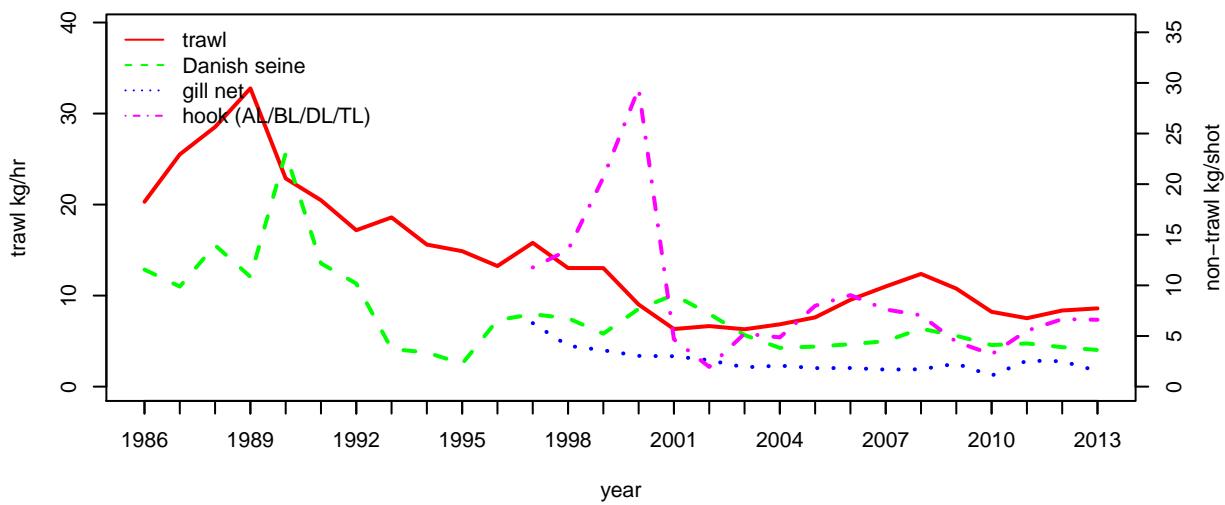
# Jackass Morwong East

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 CAAB 37377003 91377003 92377003  
 start month 1

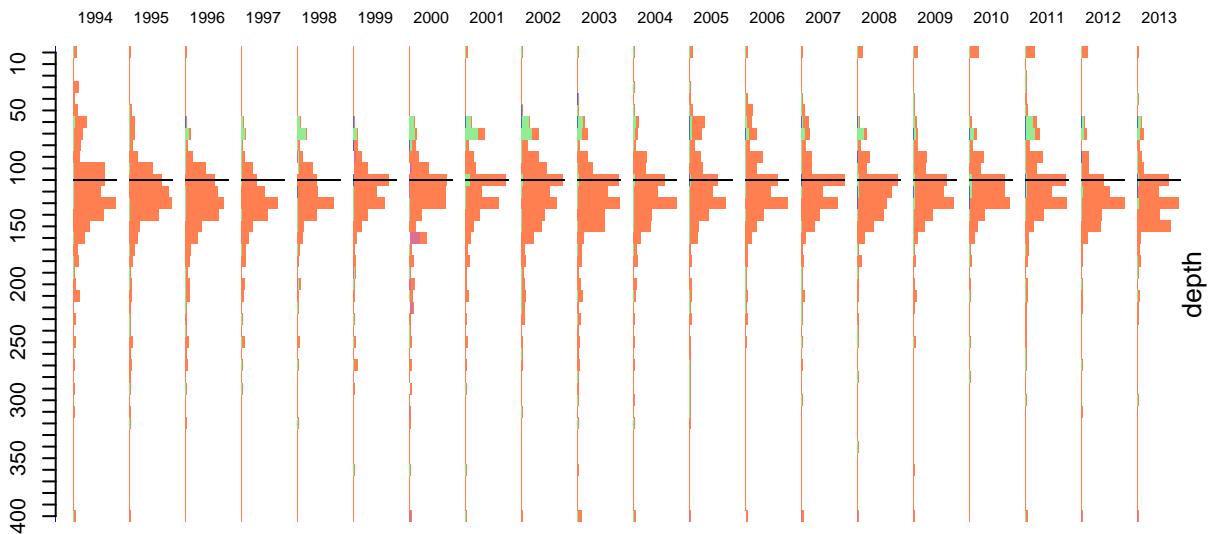
## TAC and landings



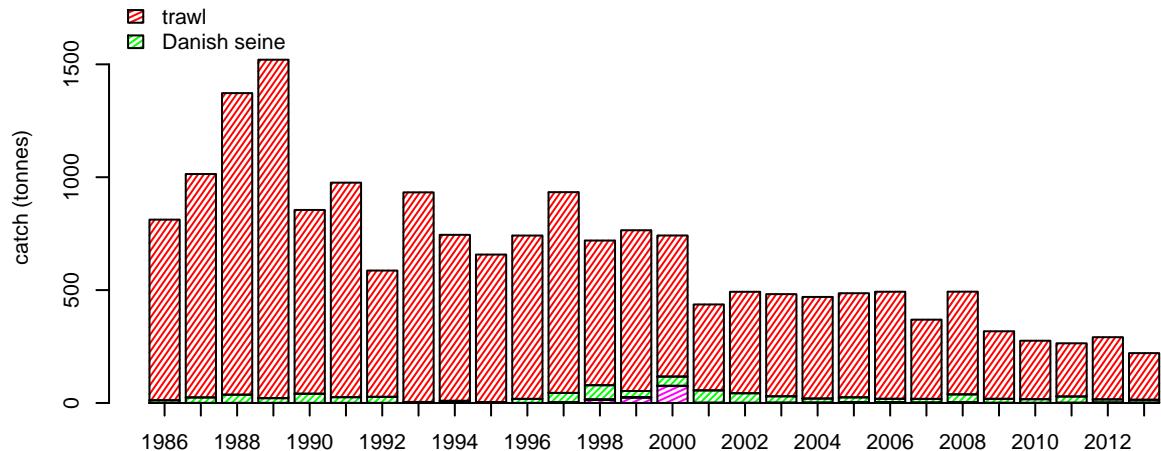
## Geometric mean CPUE



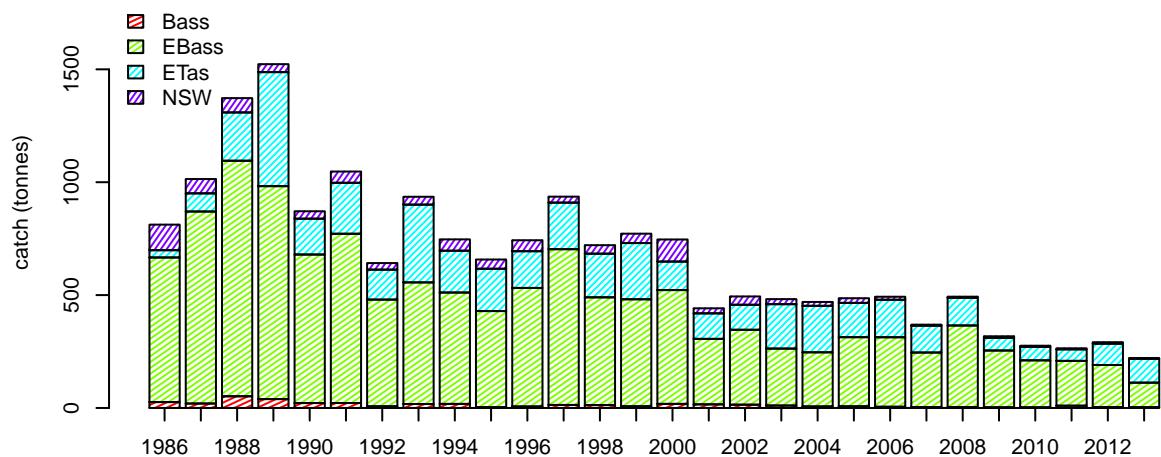
## Catch at depth



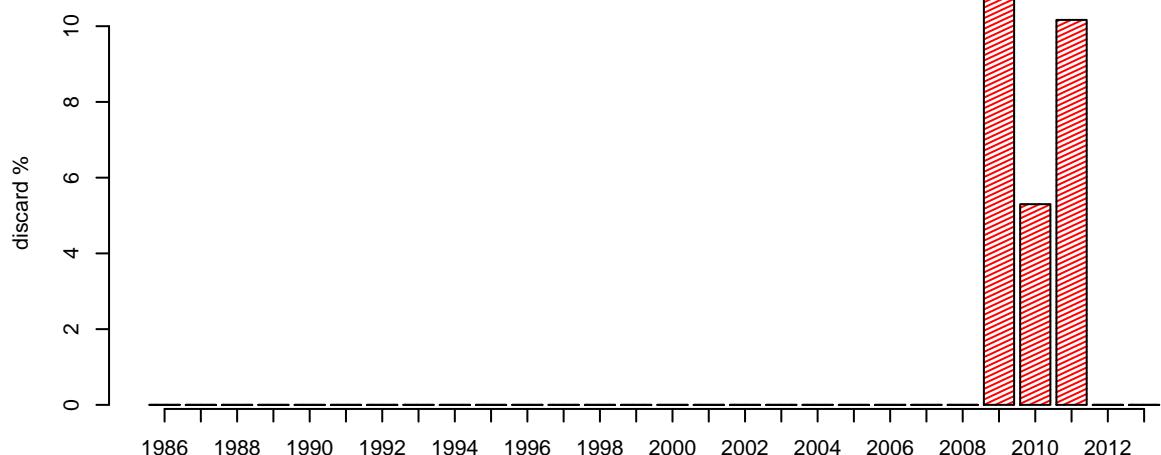
## Catch by gear



## Catch by zone



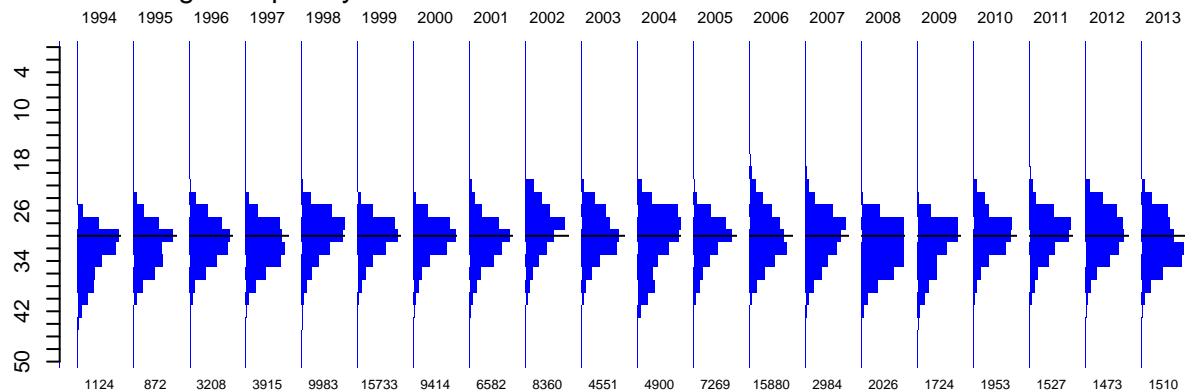
## Discards



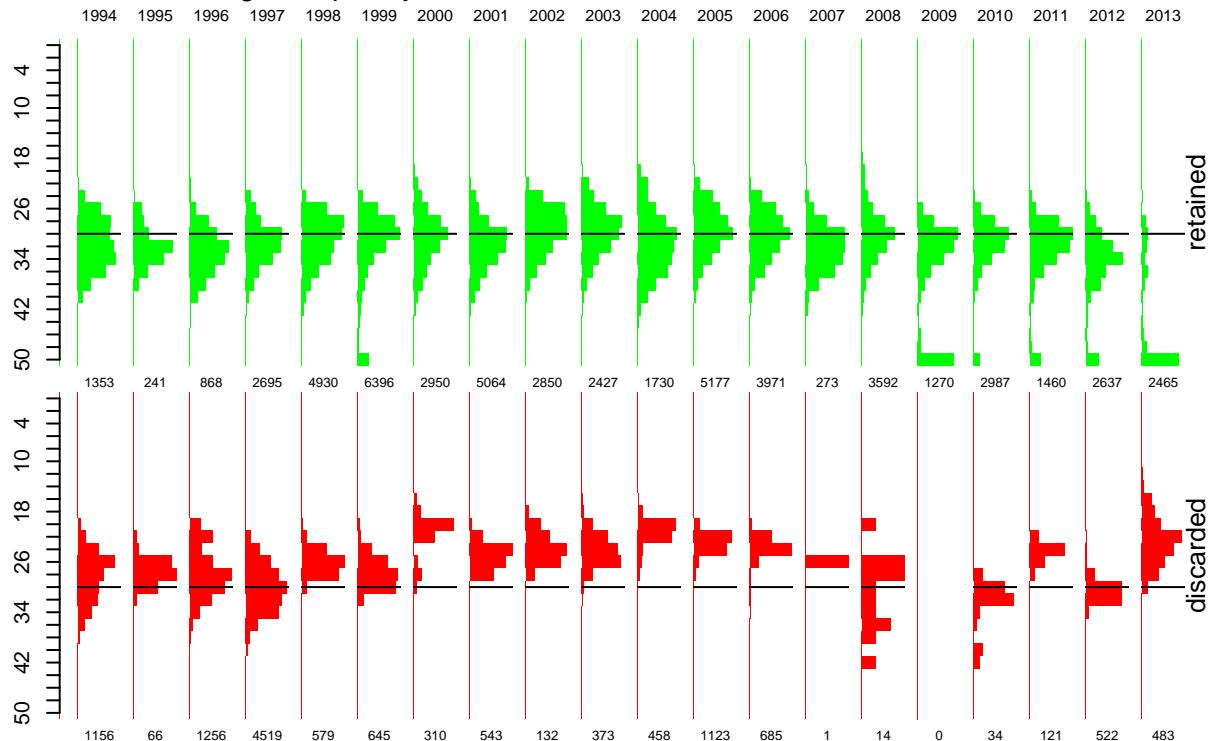
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Sat Jul 19 14:44:00 2014

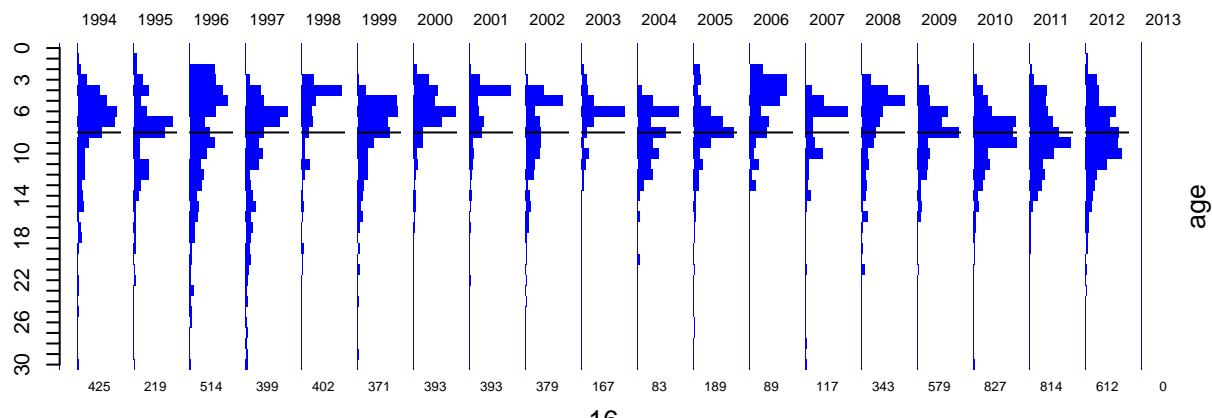
## Port length frequency



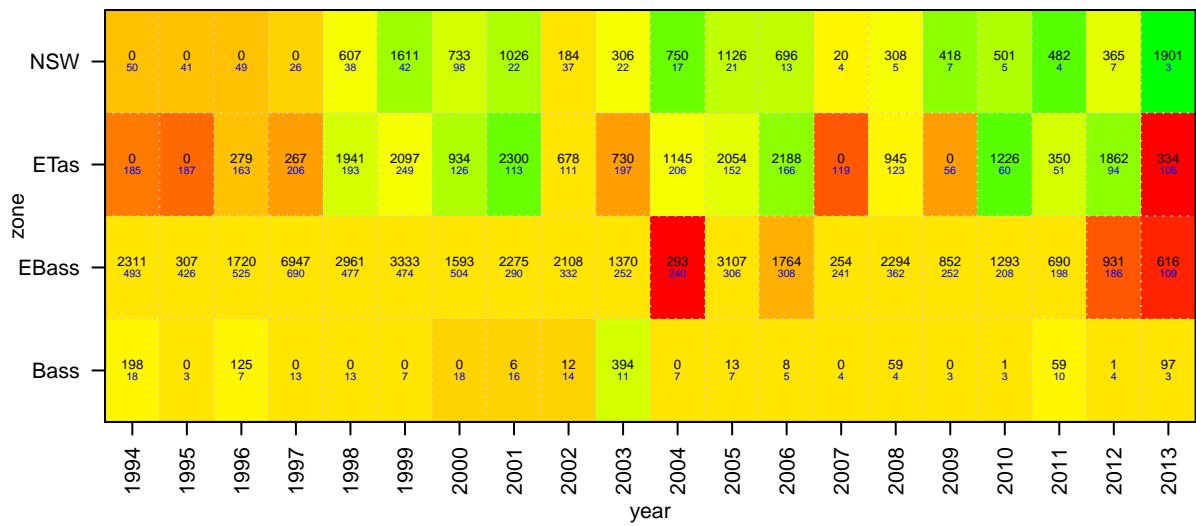
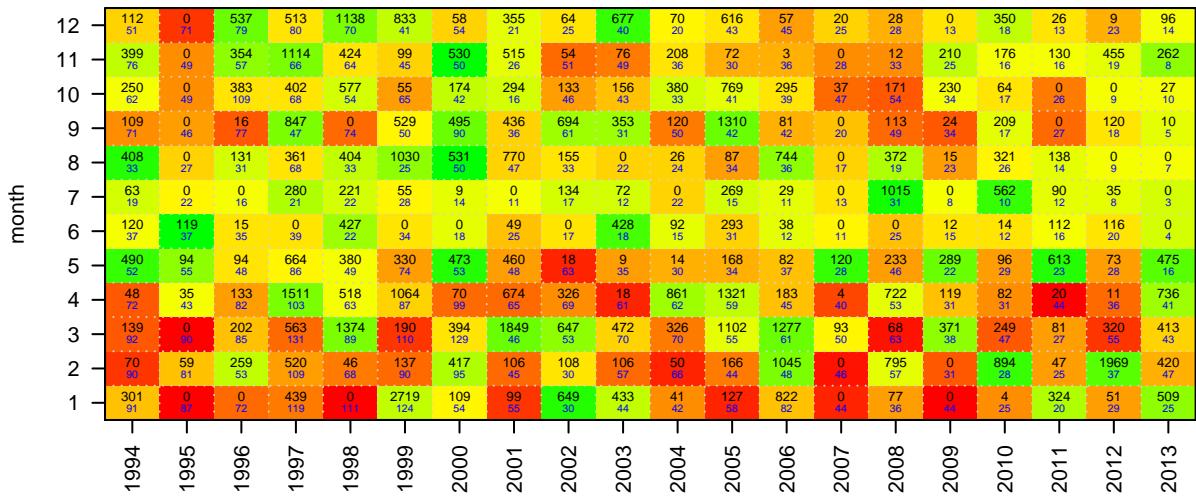
## Onboard length frequency



## Age frequency



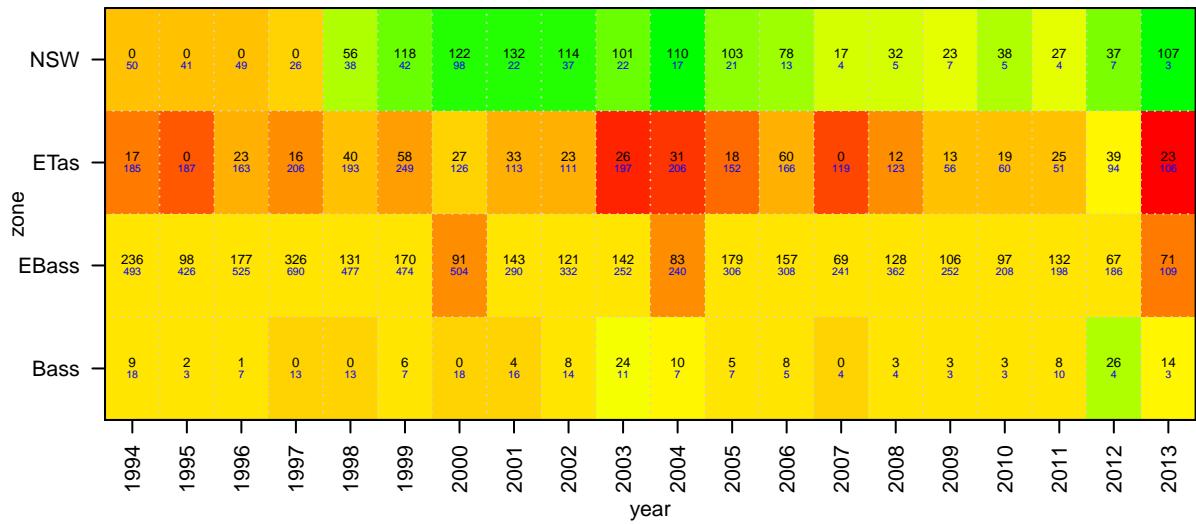
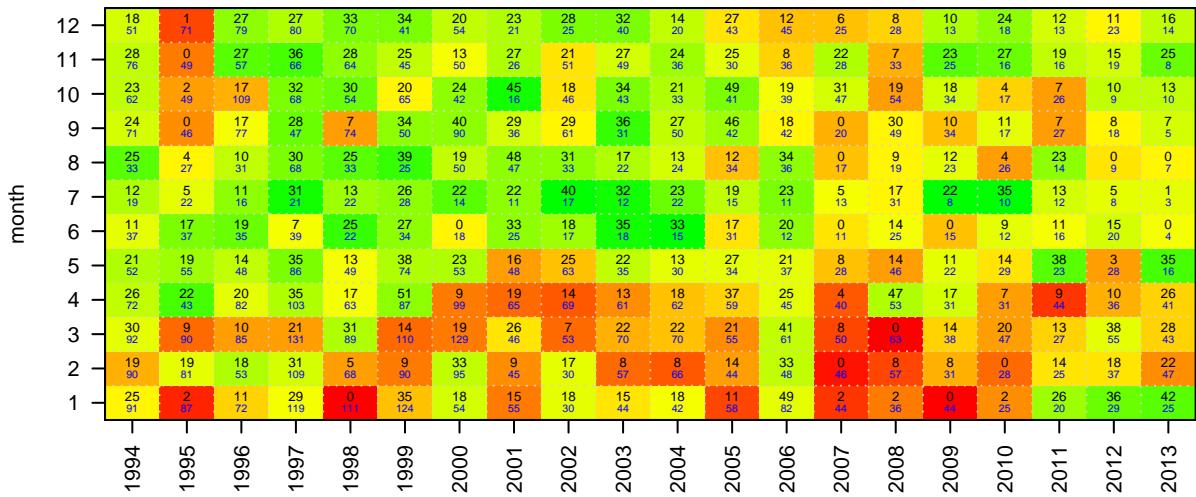
## Onboard length data



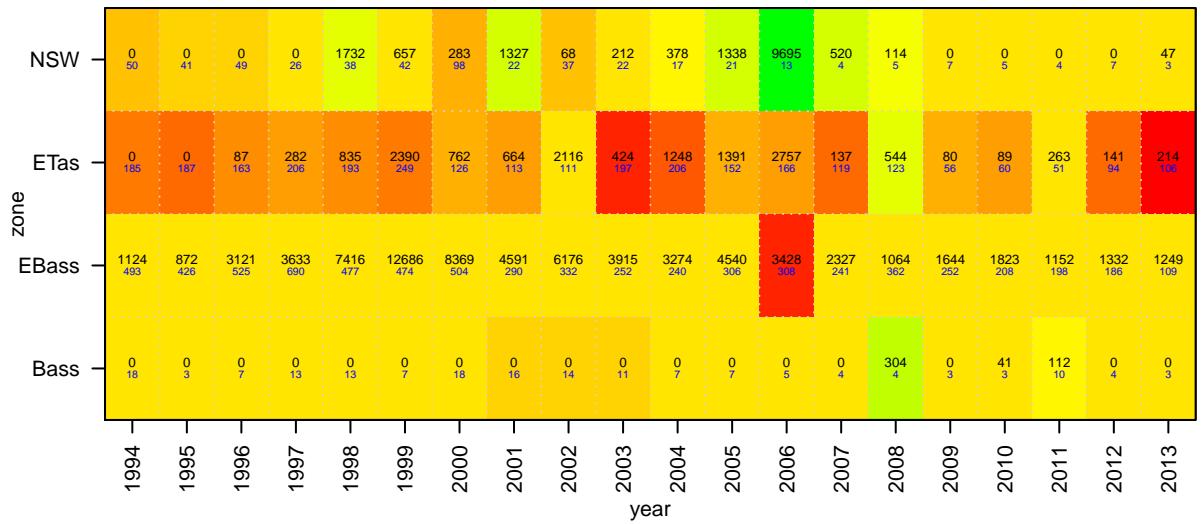
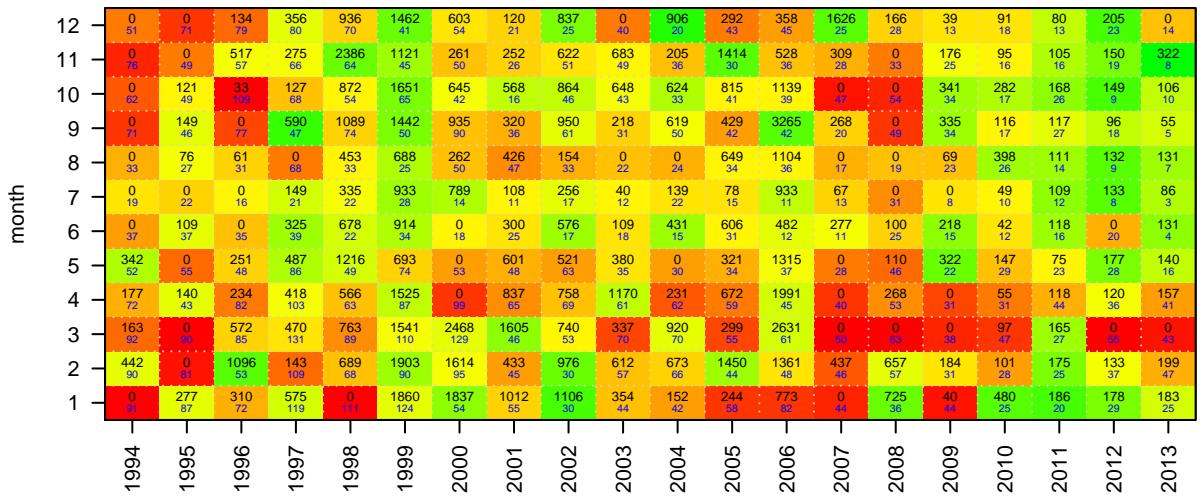
# Jackass Morwong East

Sat Jul 19 14:44:11 2014

## Onboard discard weight data



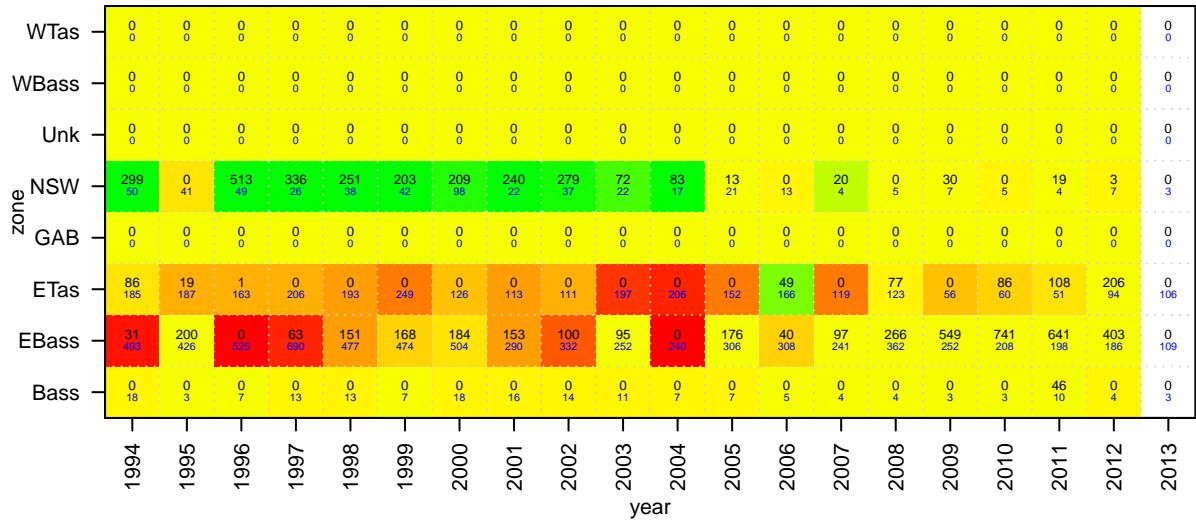
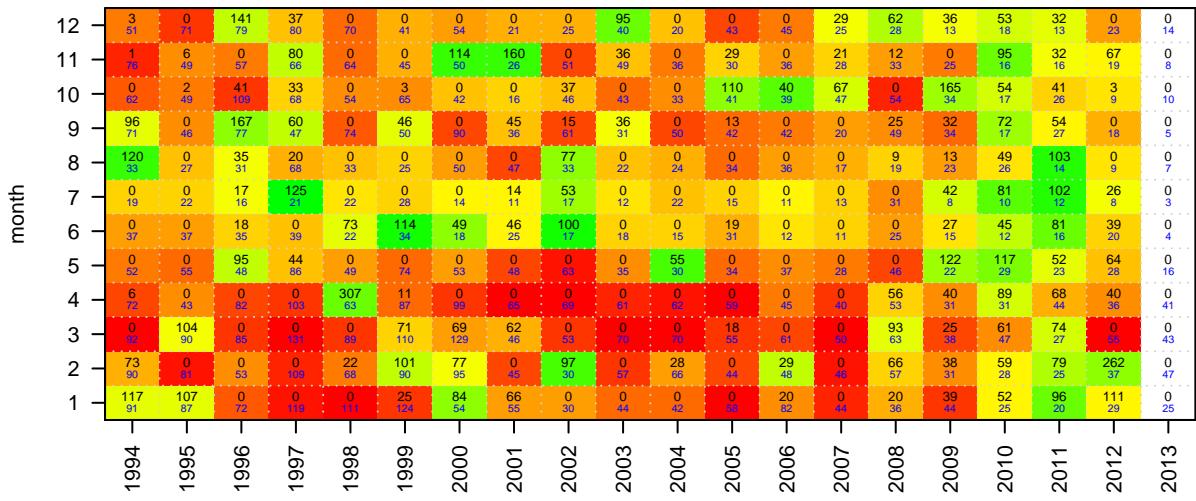
## Port length data



# Jackass Morwong East

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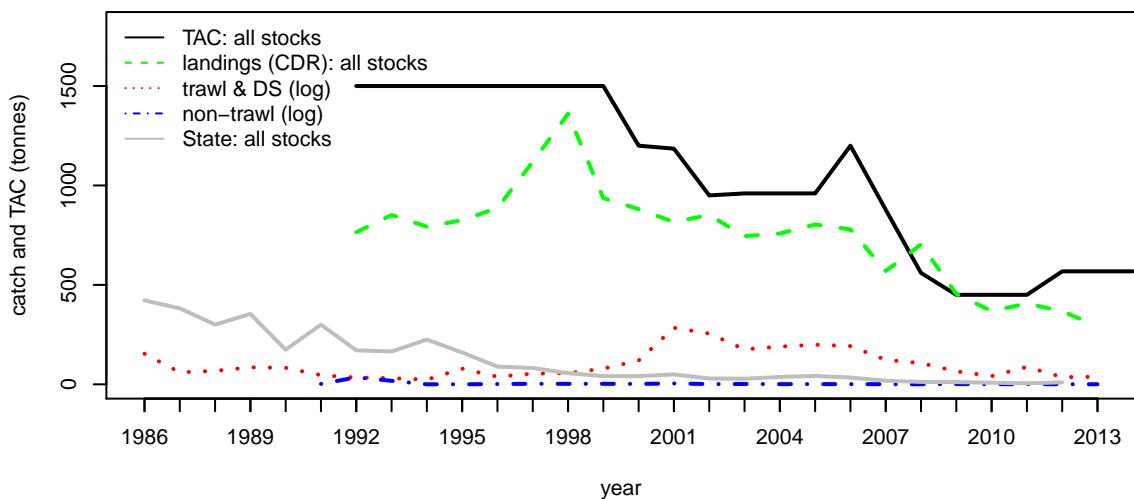
## Age data



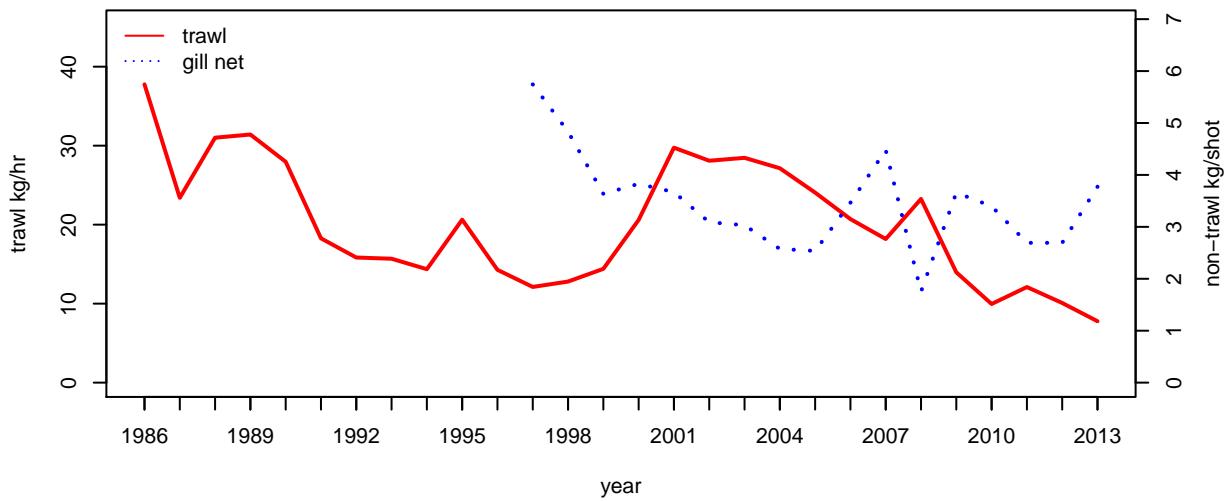
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 start month 1

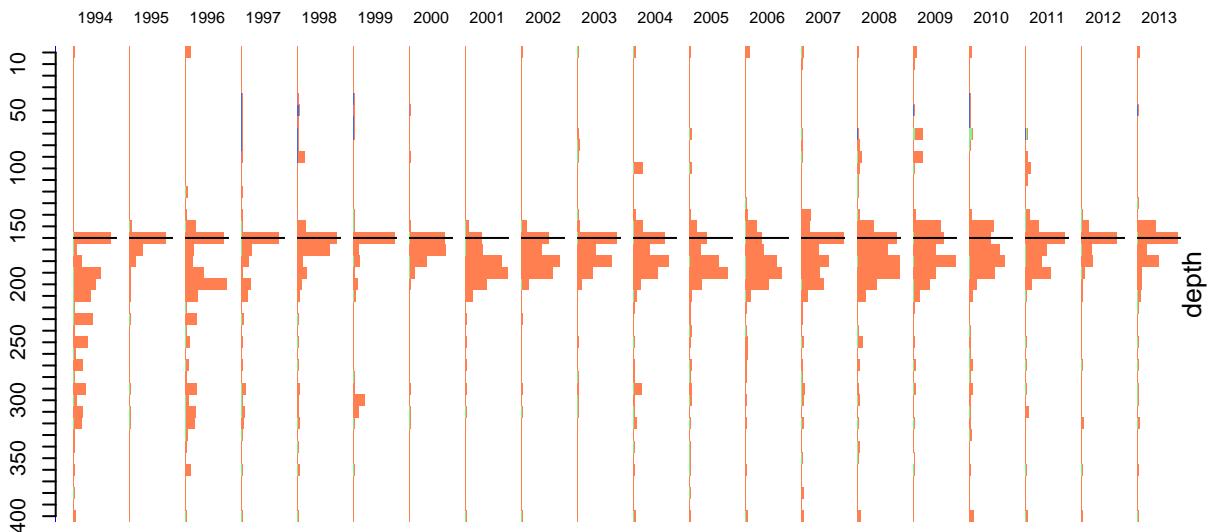
## TAC and landings

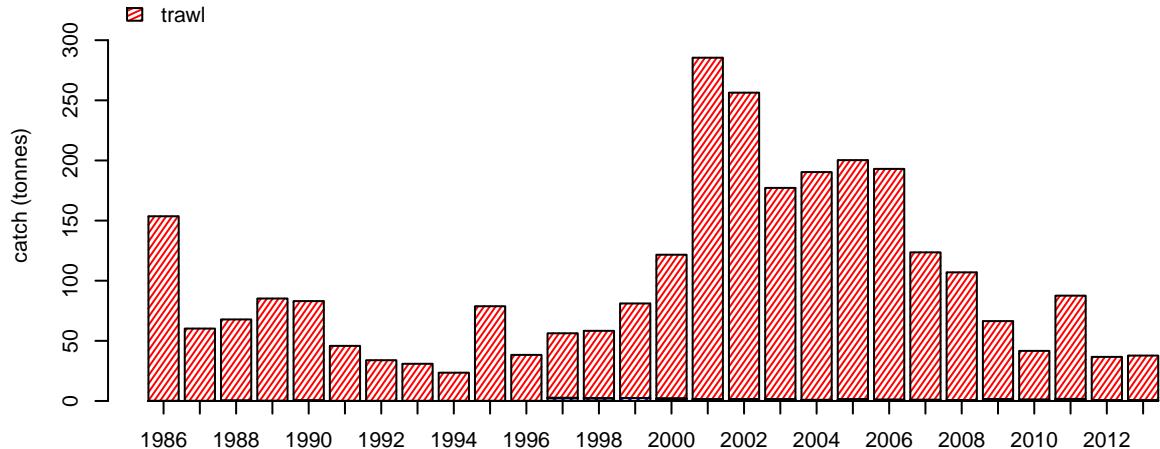
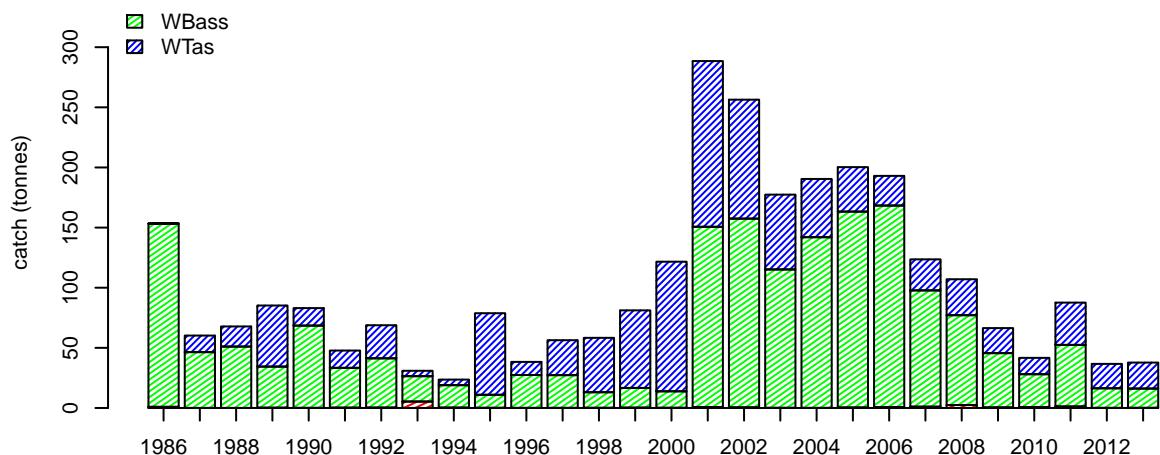
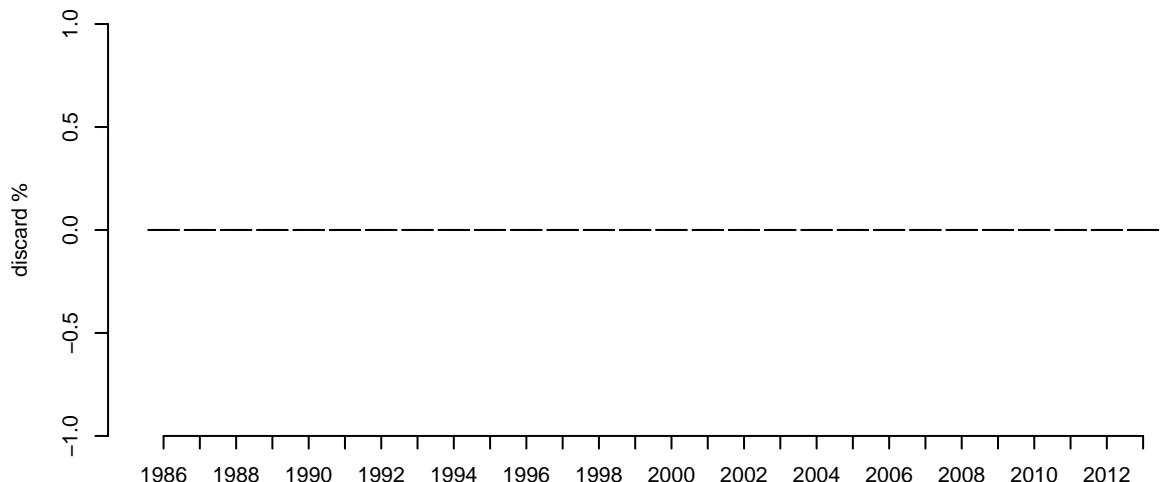


## Geometric mean CPUE



## Catch at depth

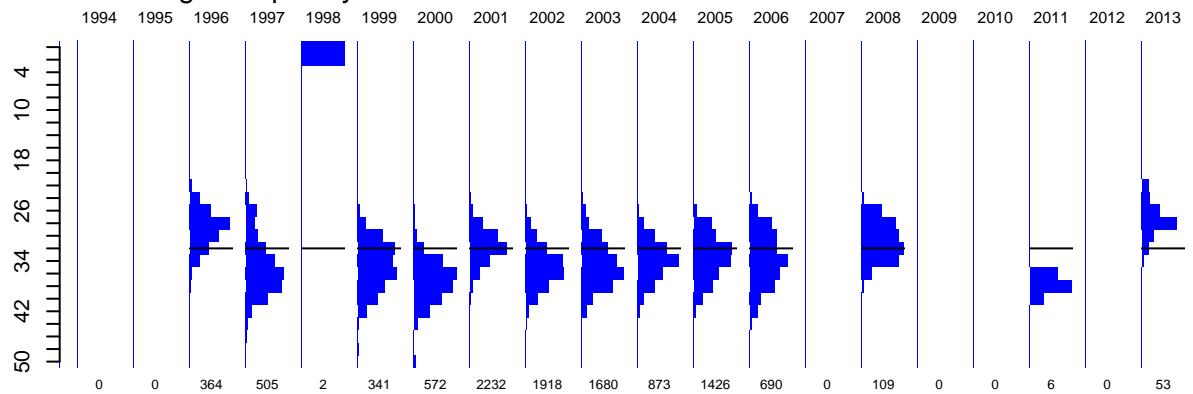


**Catch by gear****Catch by zone****Discards**

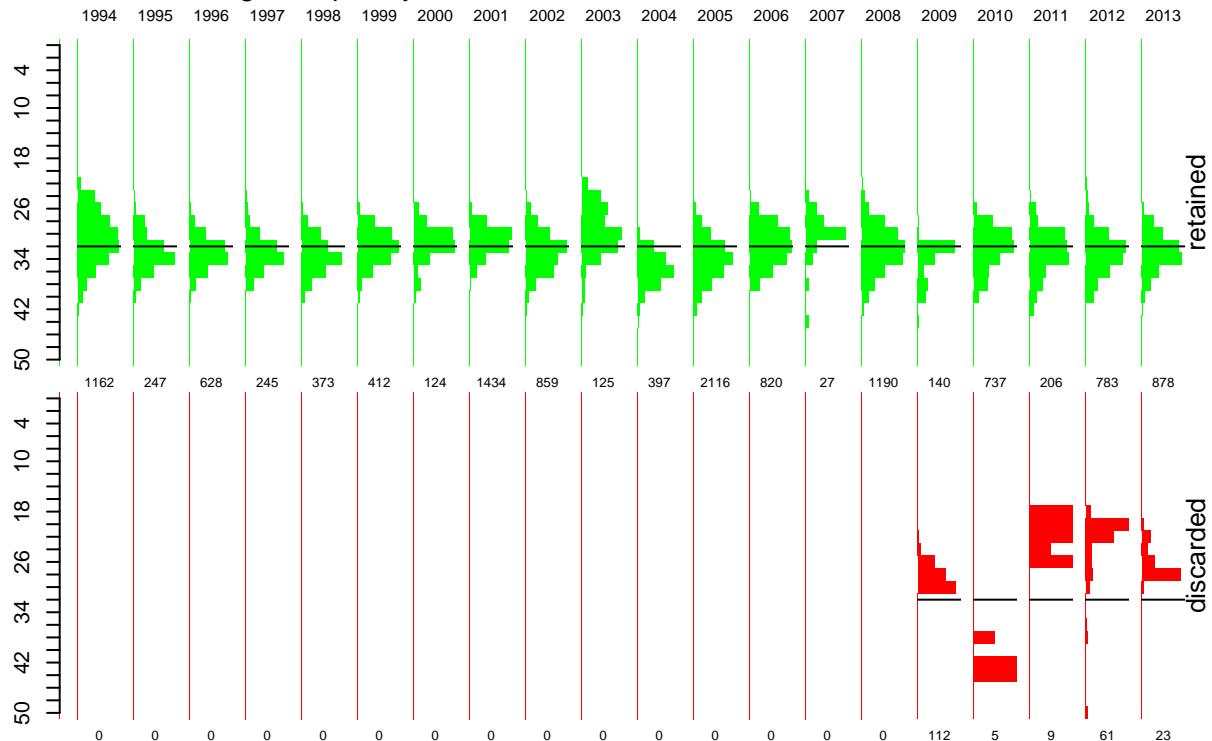
# Jackass Morwong West

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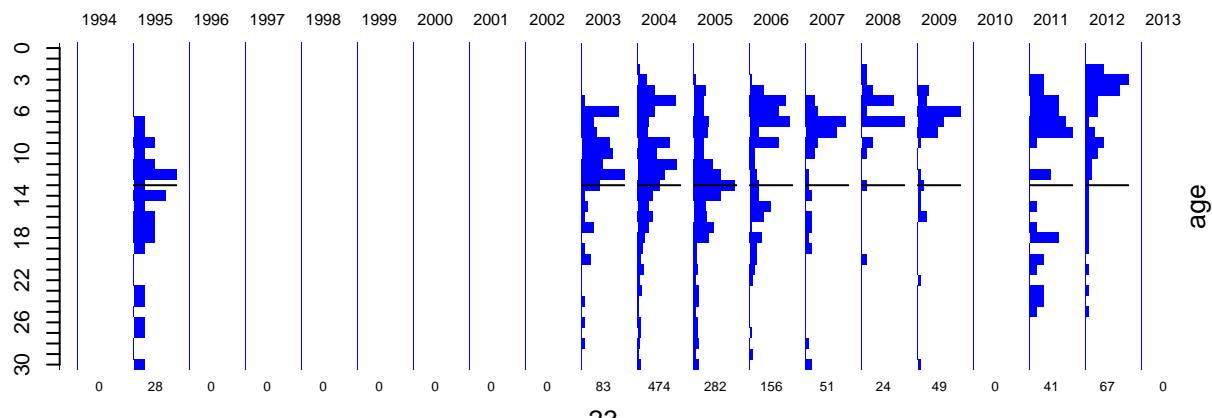
## Port length frequency



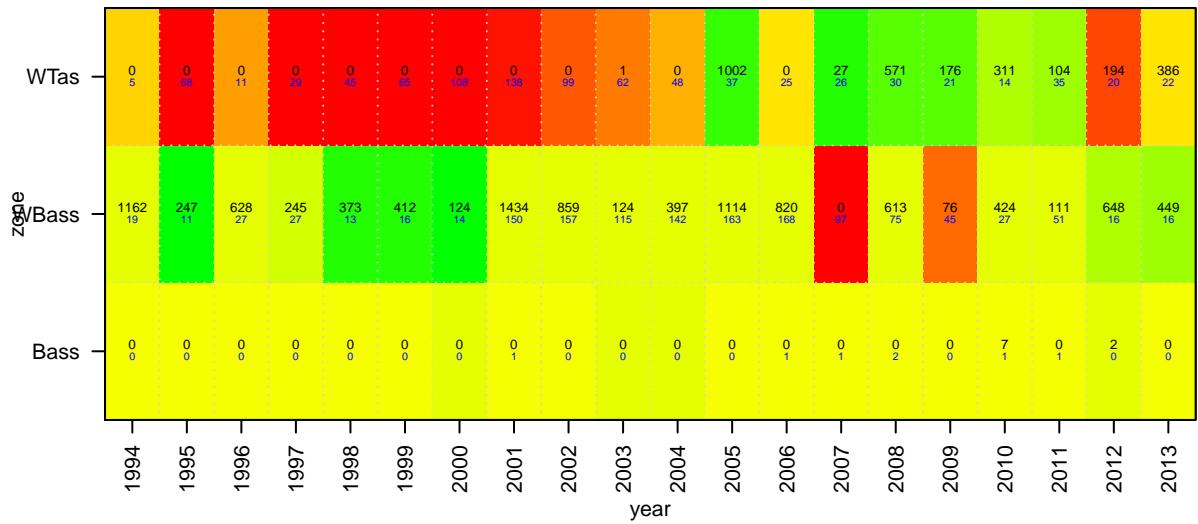
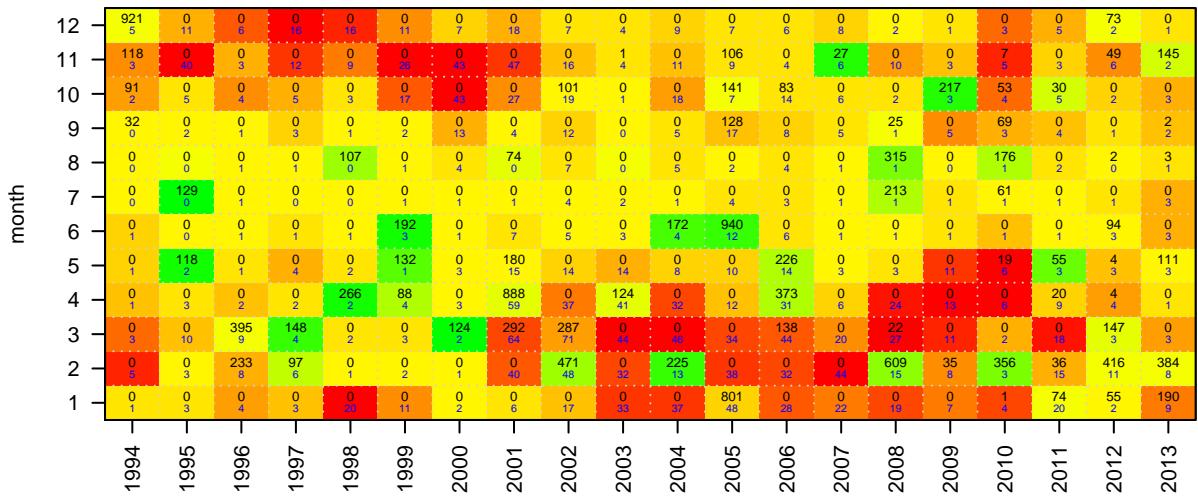
## Onboard length frequency



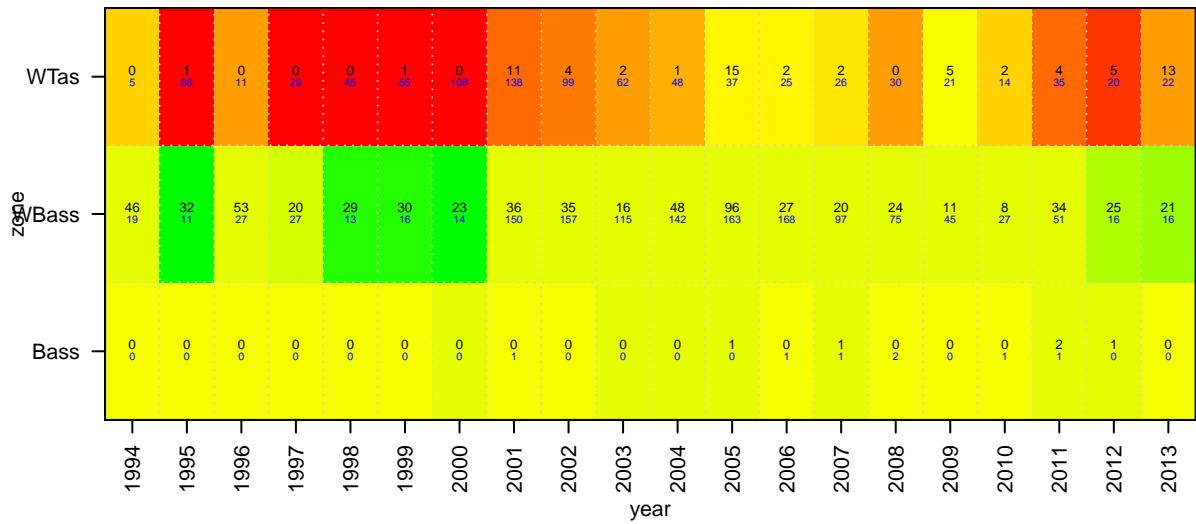
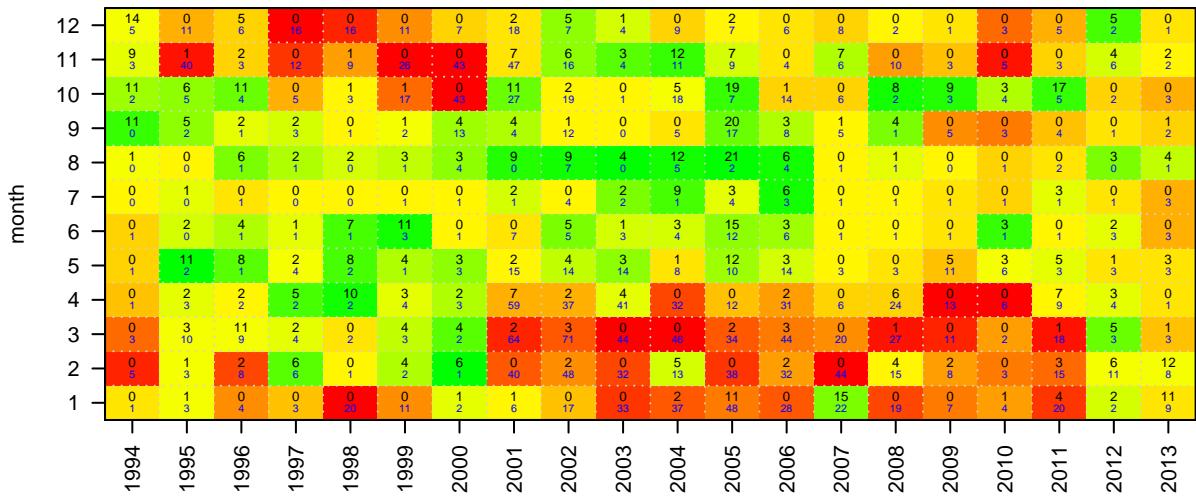
## Age frequency



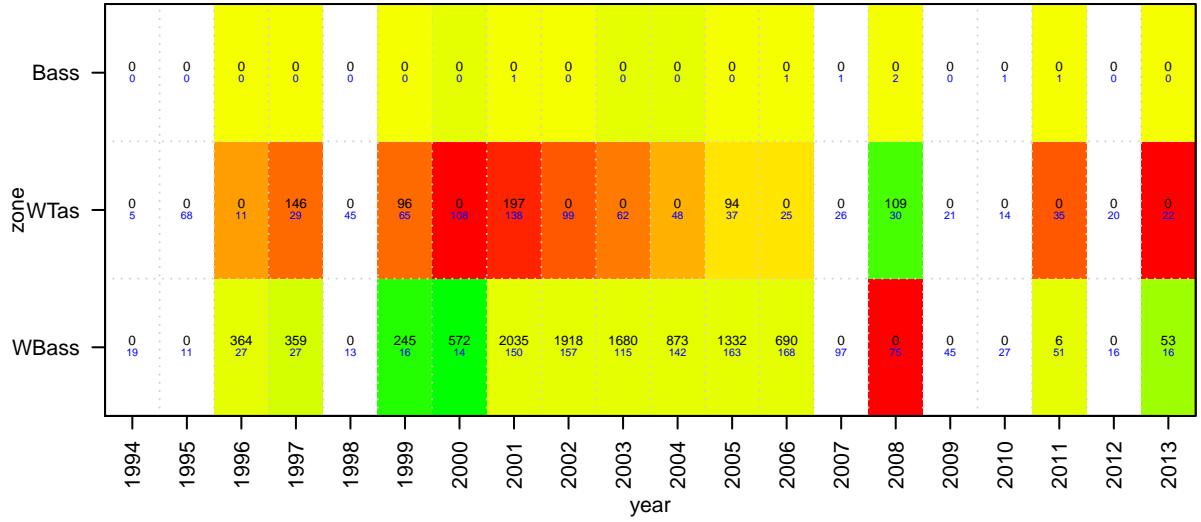
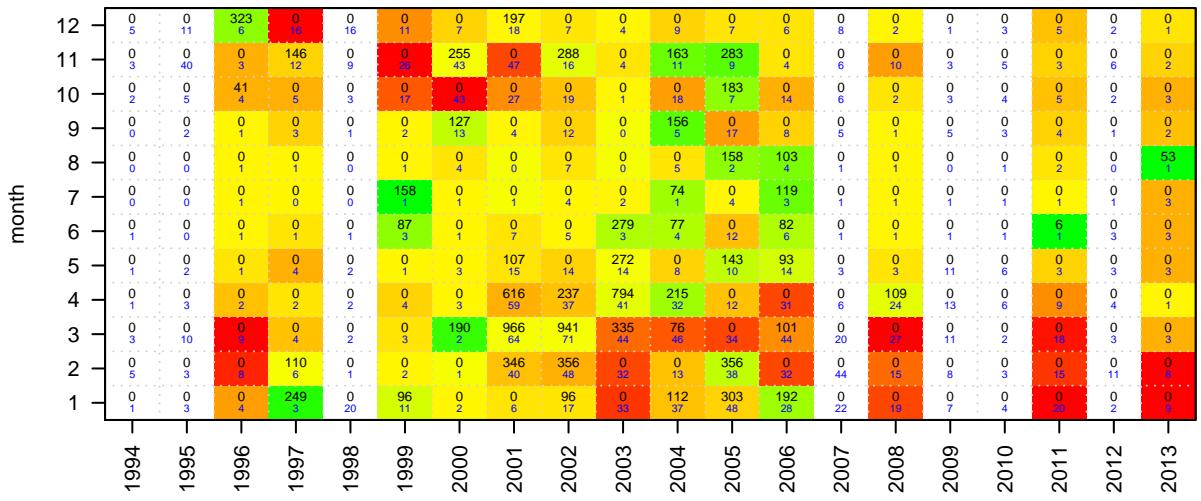
## Onboard length data



## Onboard discard weight data



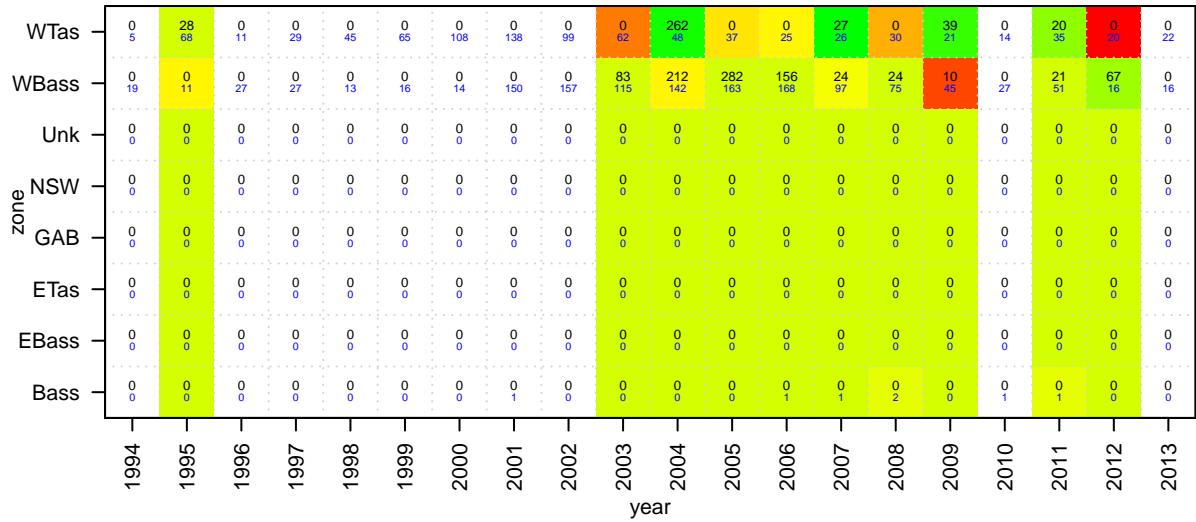
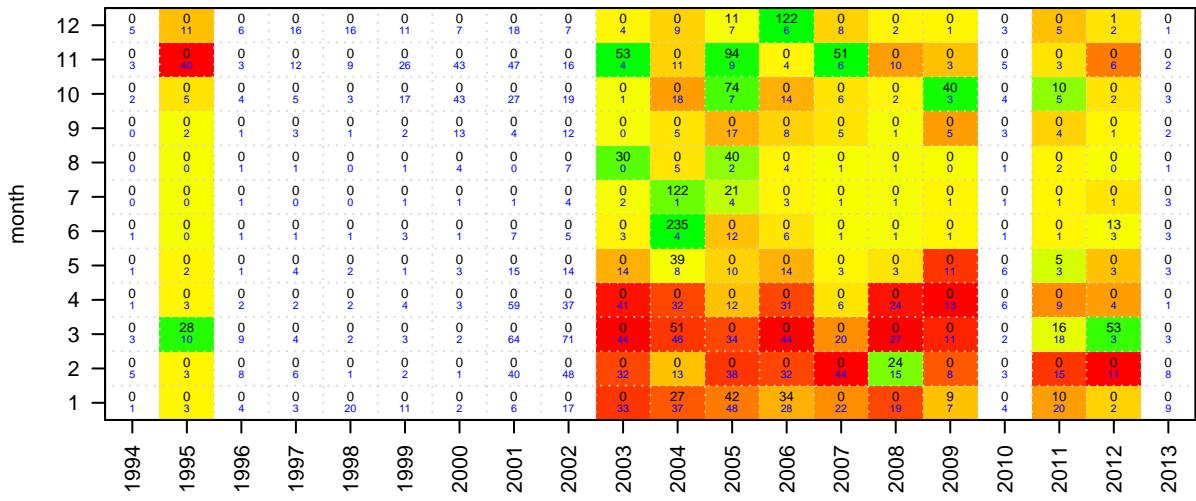
## Port length data



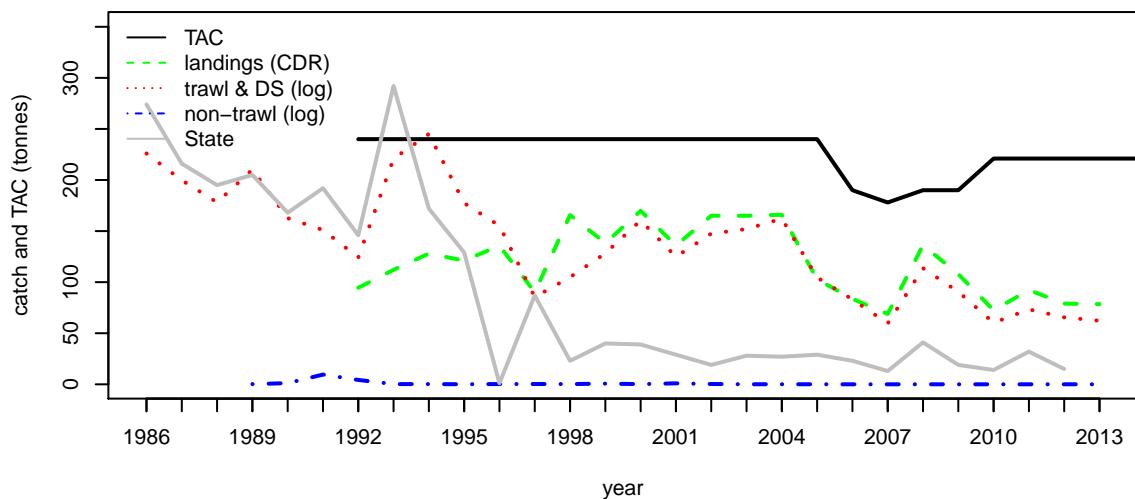
# Jackass Morwong West

Sat Jul 19 14:46:44 2014

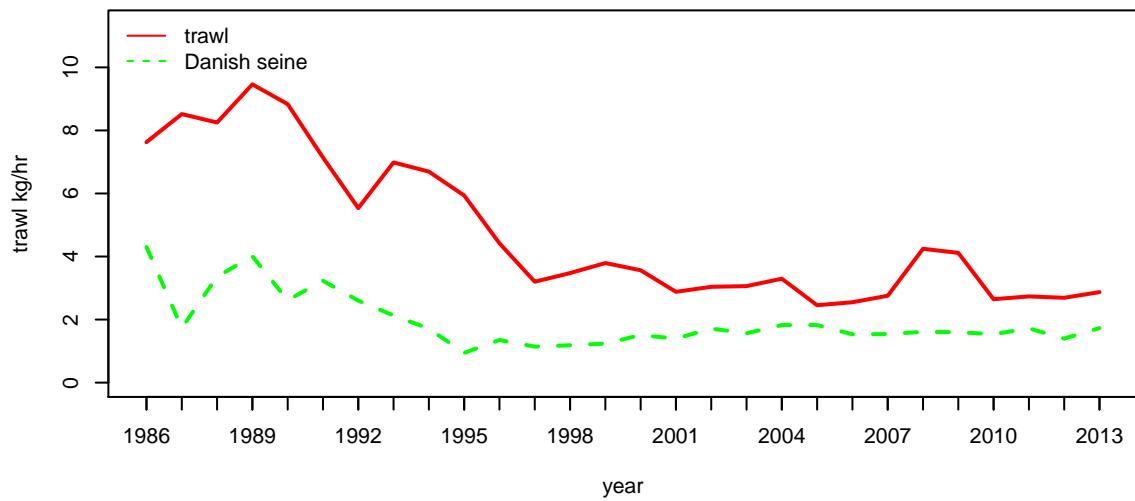
## Age data



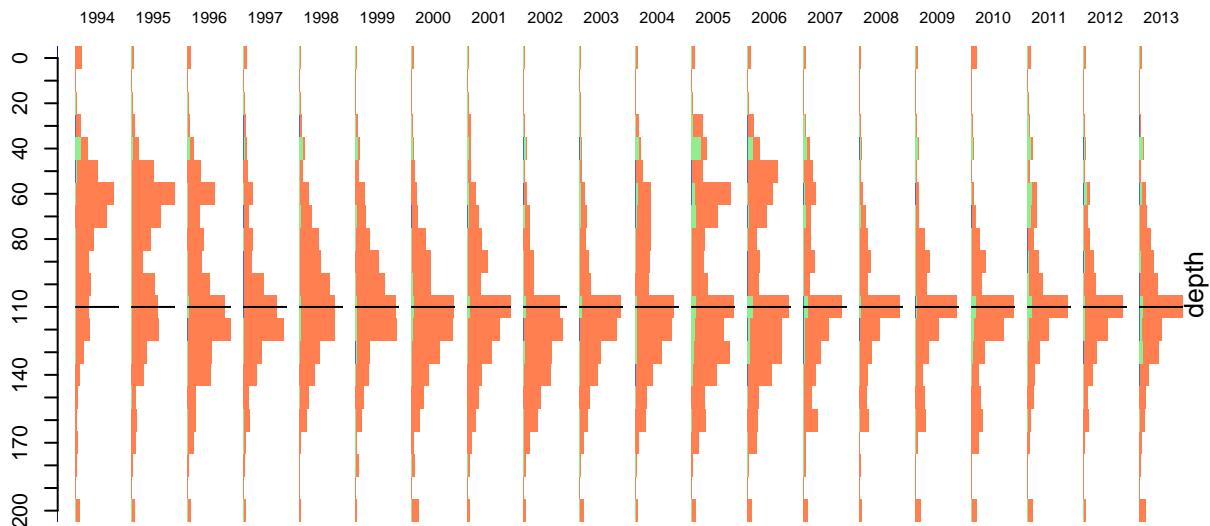
## TAC and landings



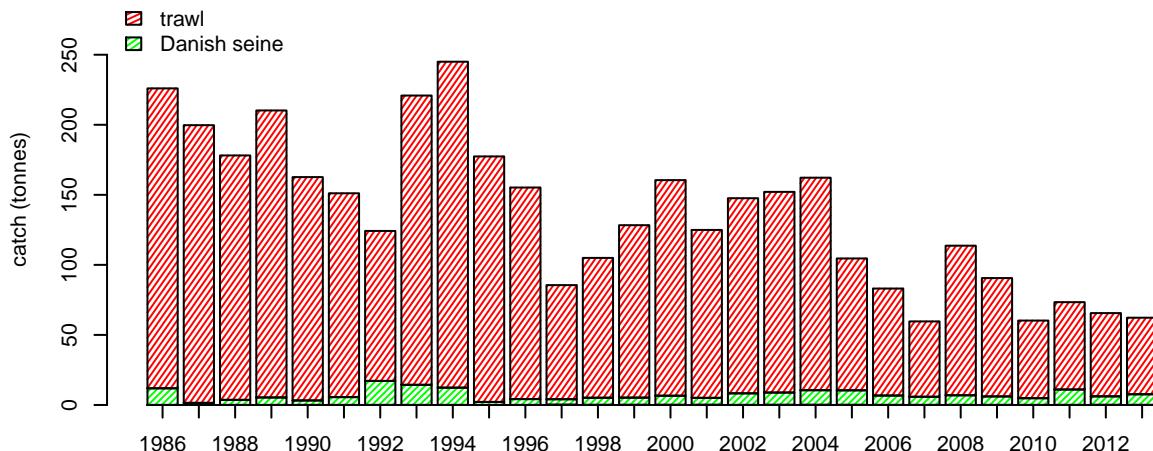
## Geometric mean CPUE



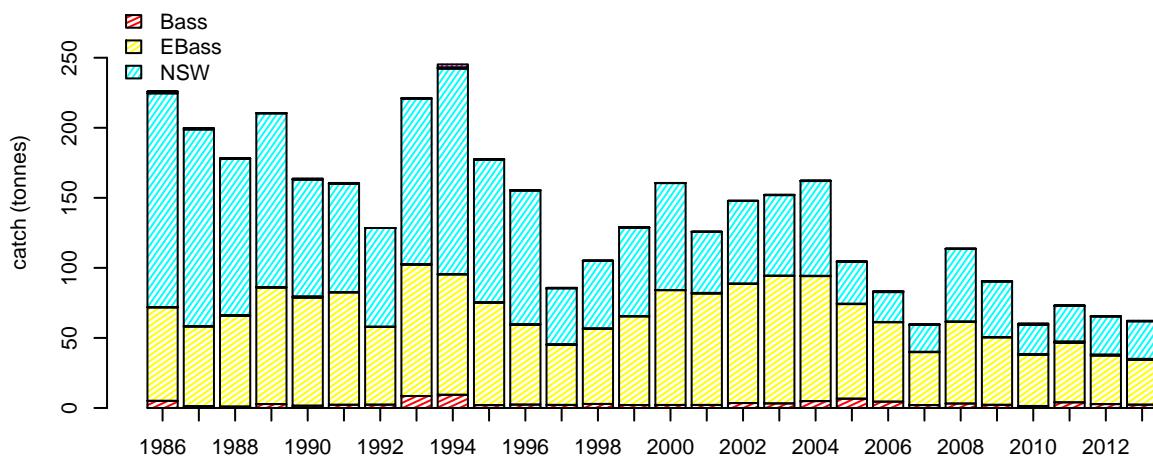
## Catch at depth



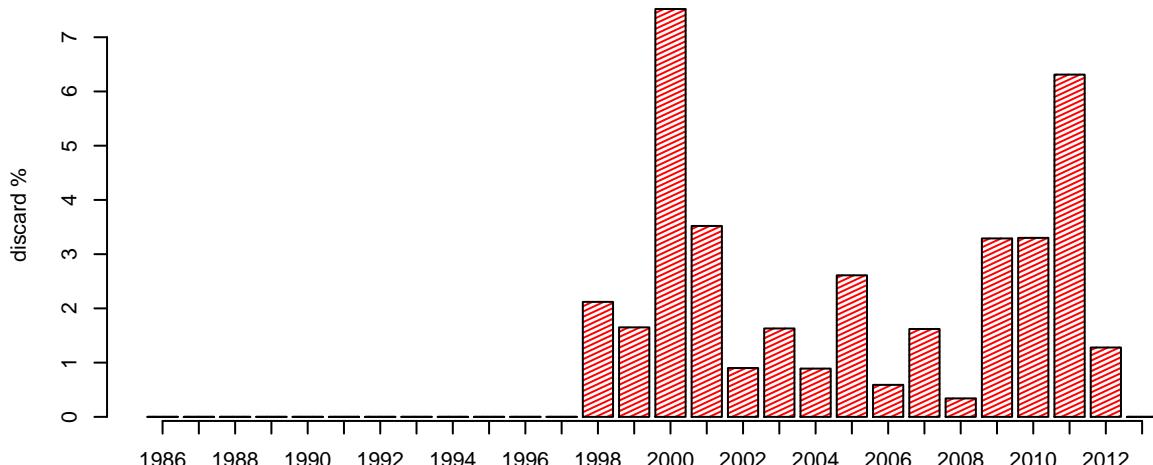
## Catch by gear



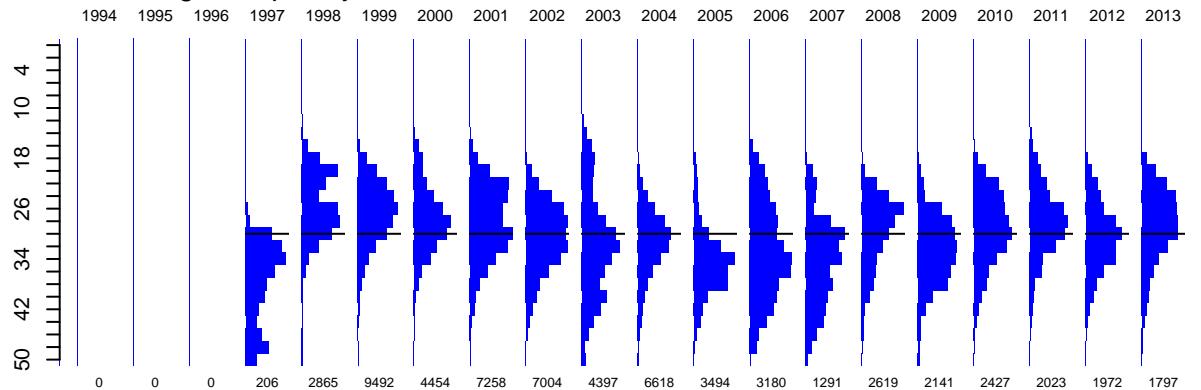
## Catch by zone



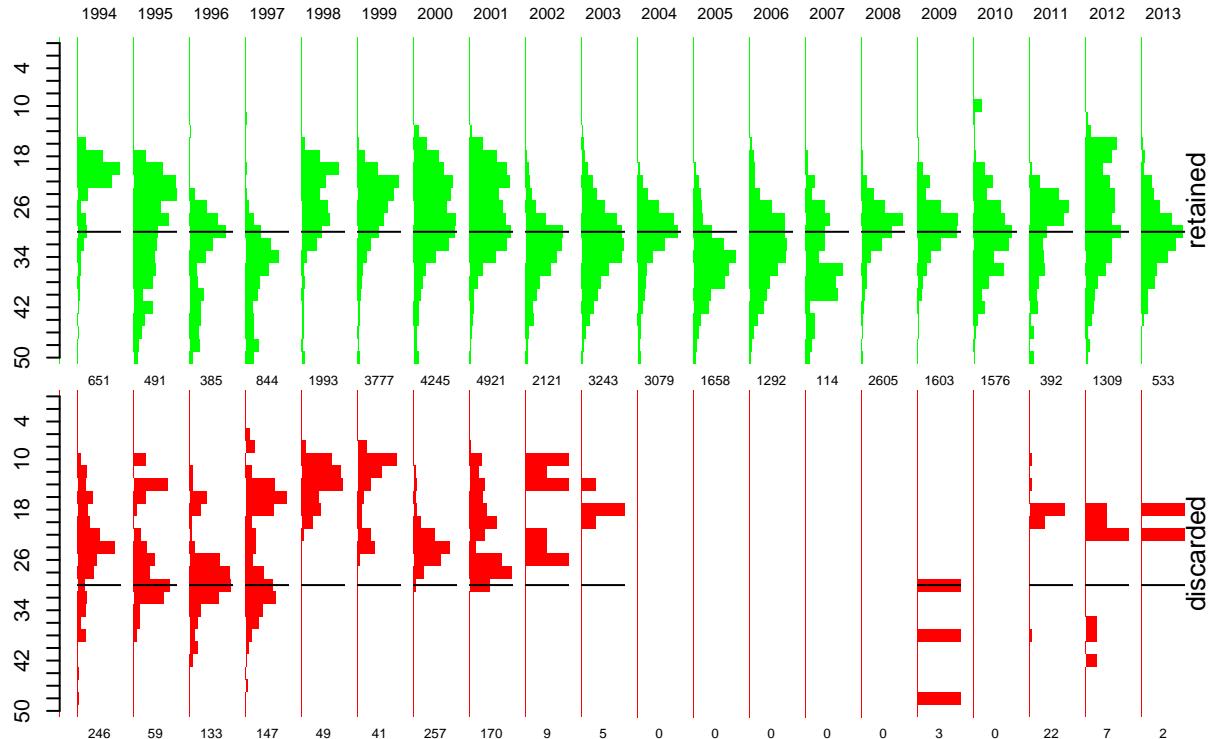
## Discards



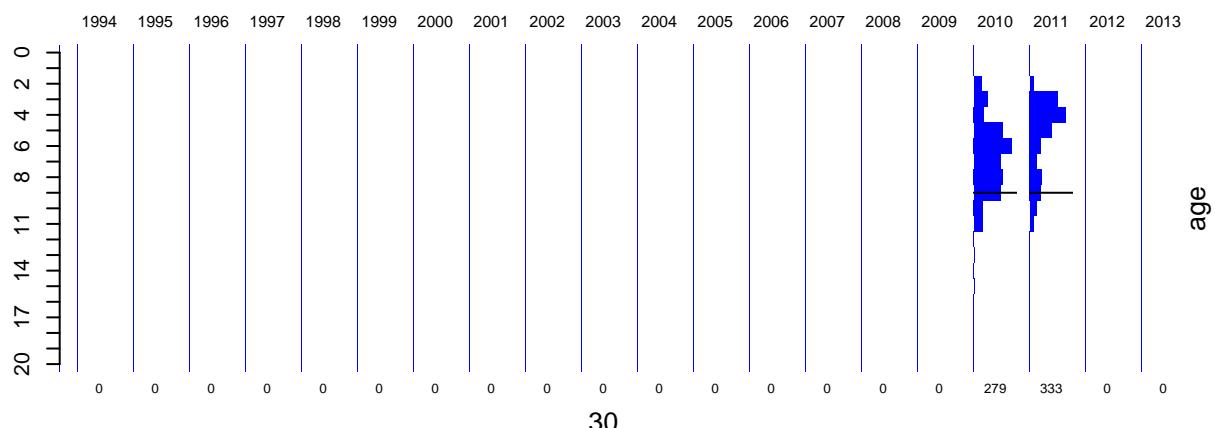
## Port length frequency



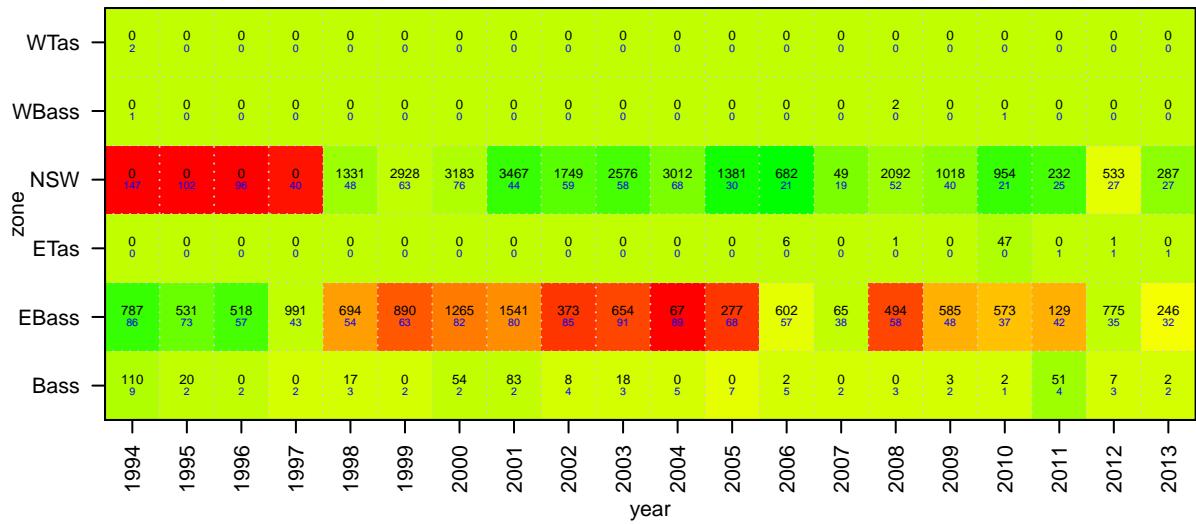
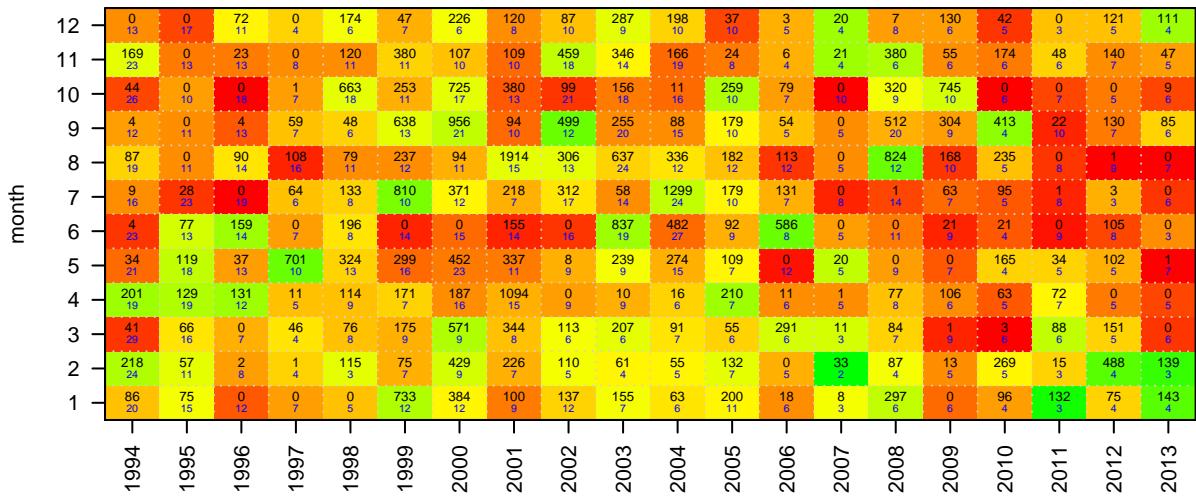
## Onboard length frequency



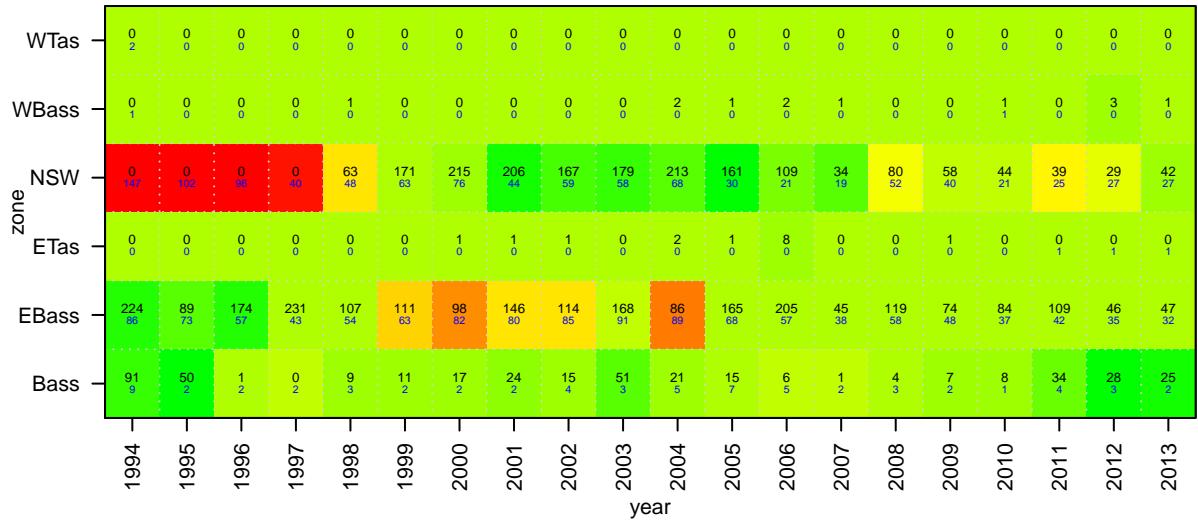
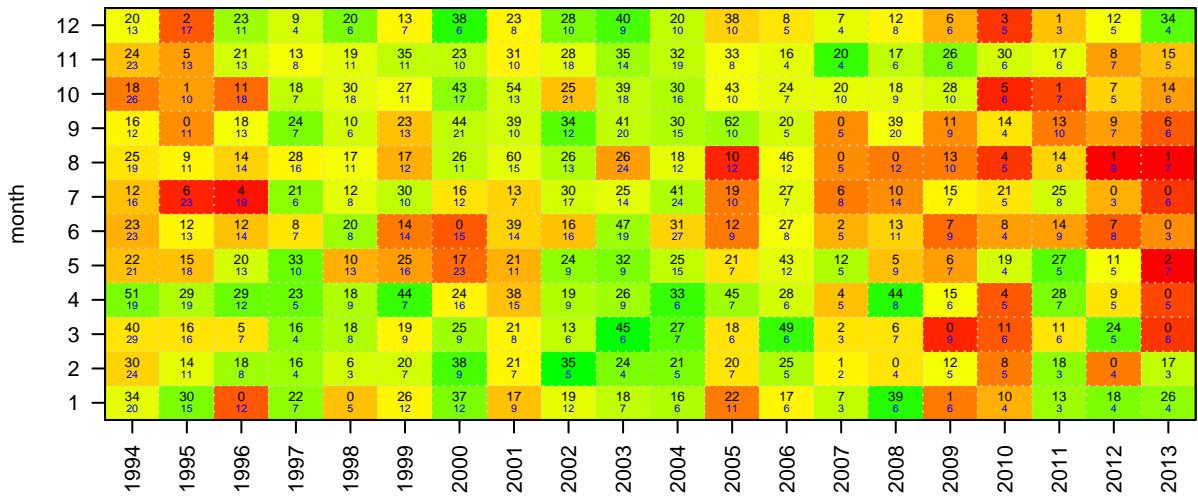
## Age frequency



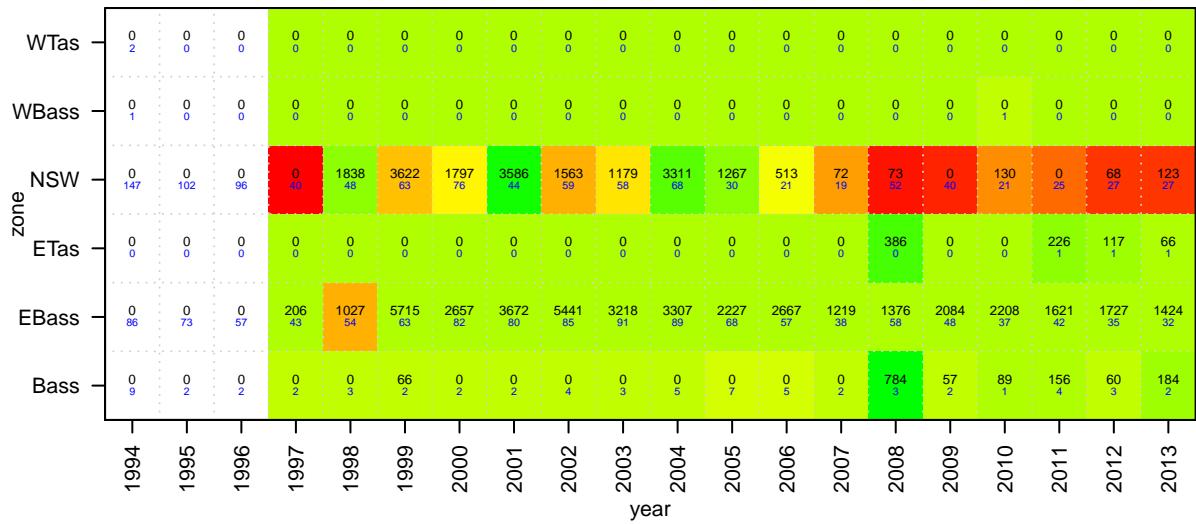
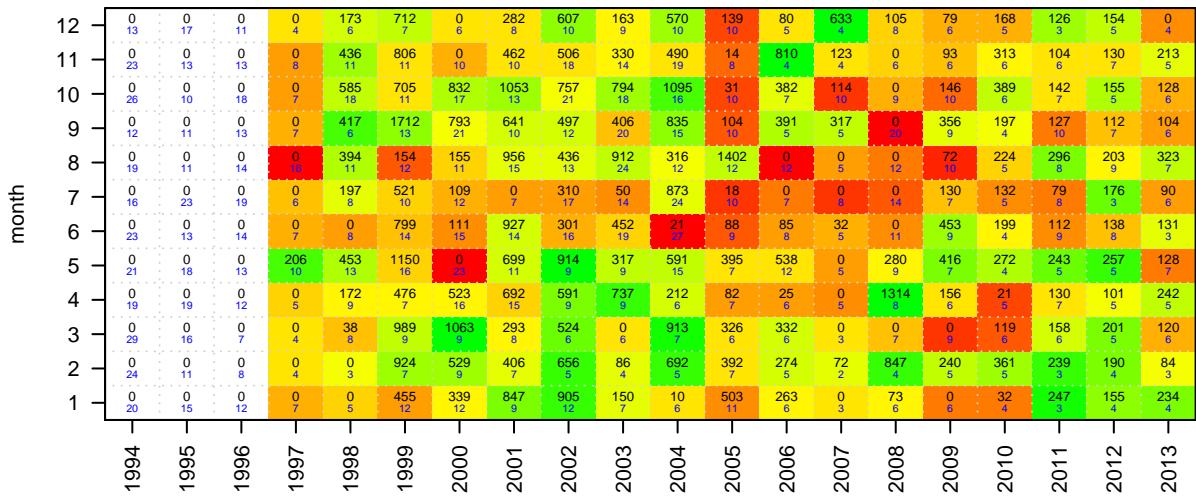
## Onboard length data



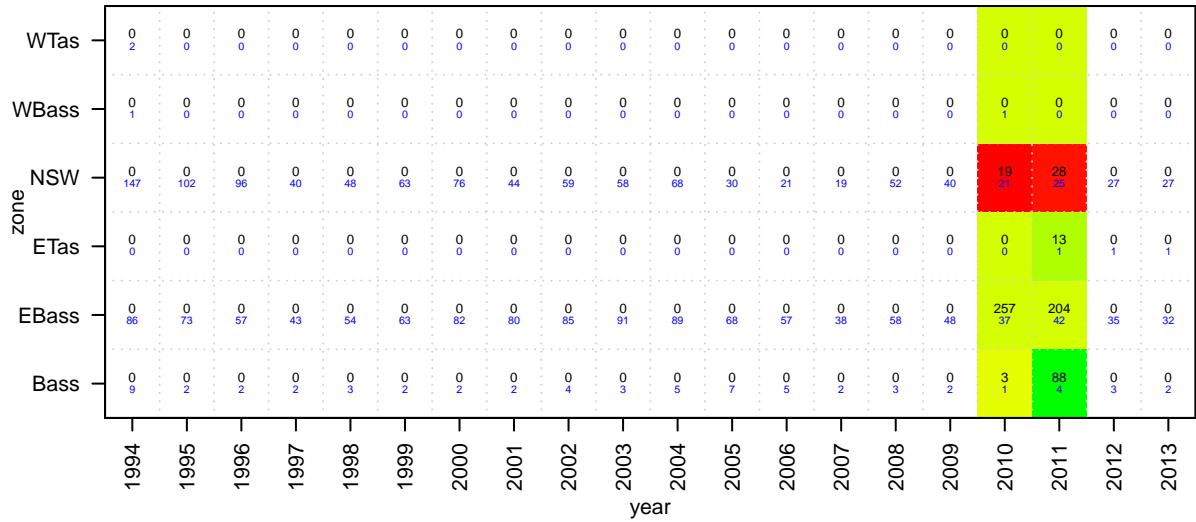
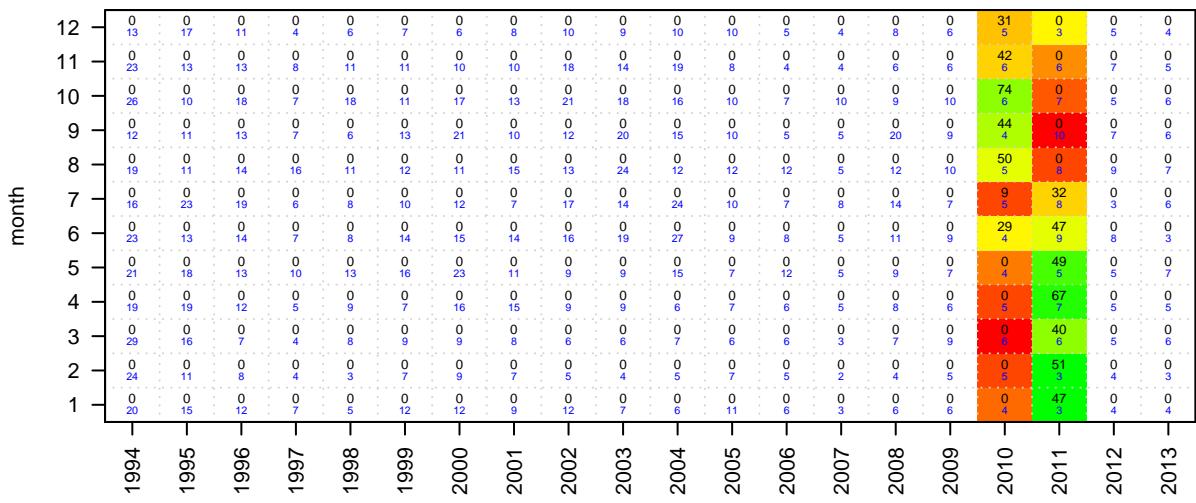
## Onboard discard weight data



## Port length data



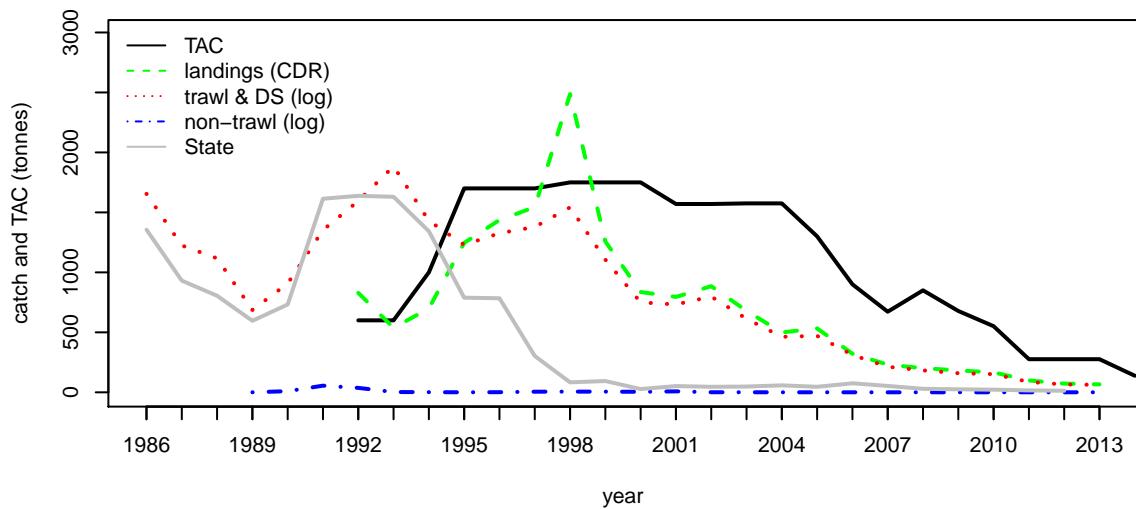
## Age data



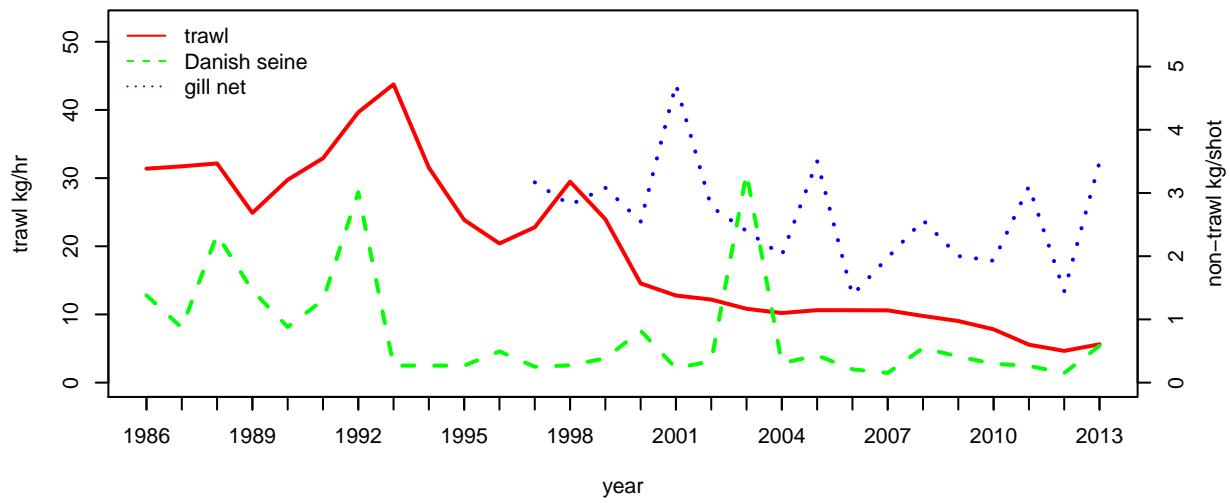
# Redfish

Sat Jul 19 14:51:27 2014  
region SET unit code RED  
CAAB 37258003 91258003 92258003  
start month 1

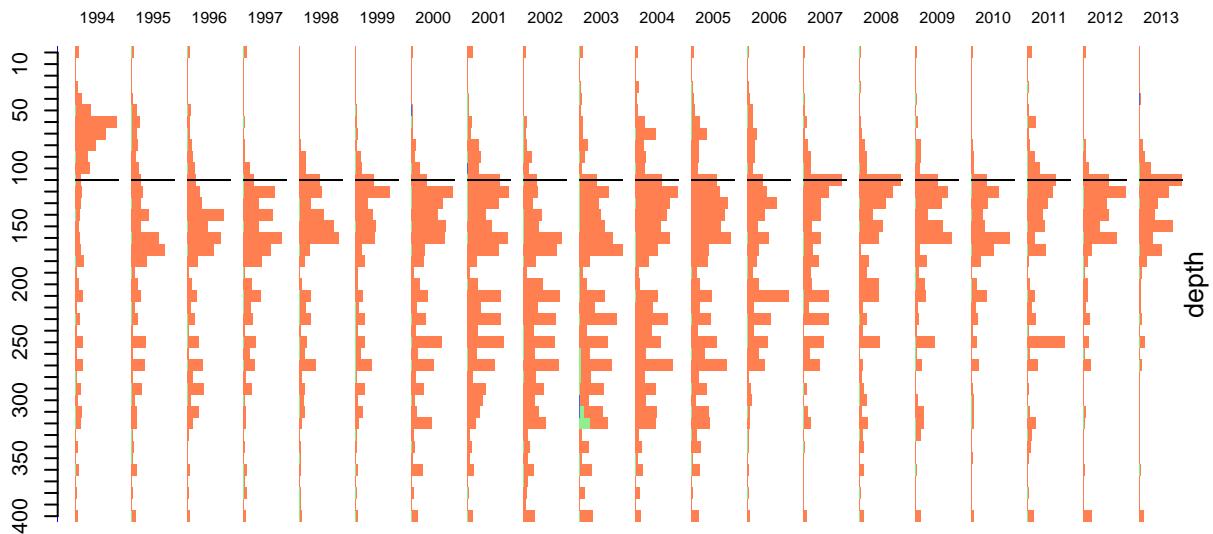
## TAC and landings



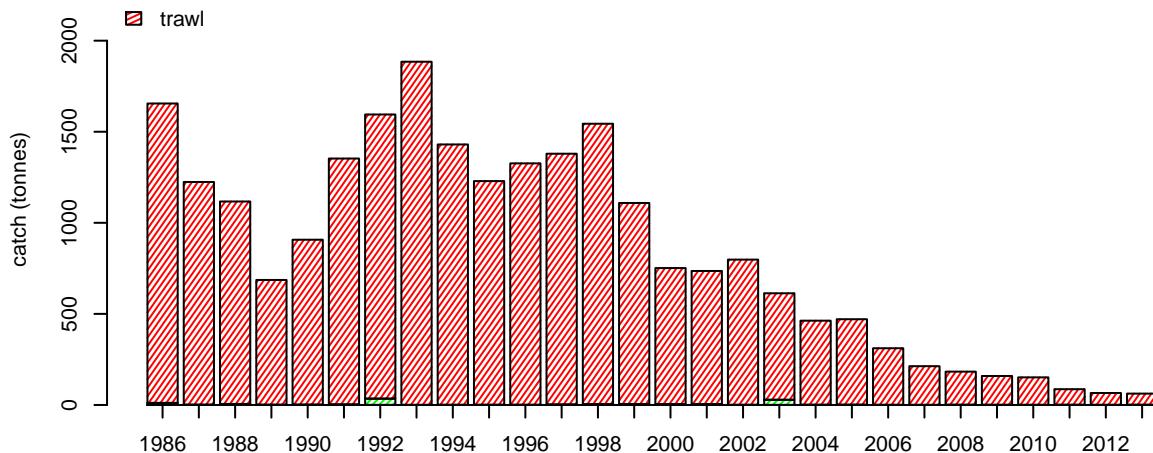
## Geometric mean CPUE



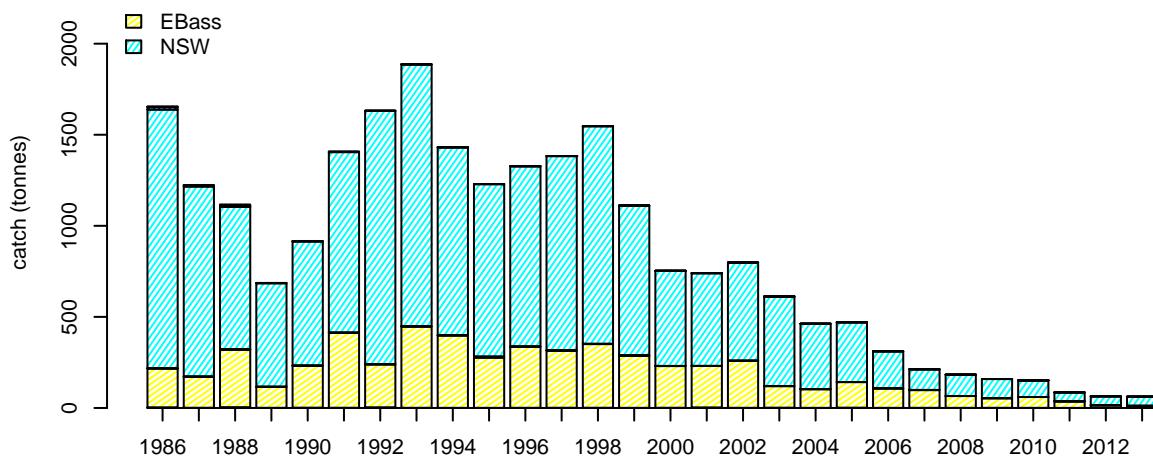
## Catch at depth



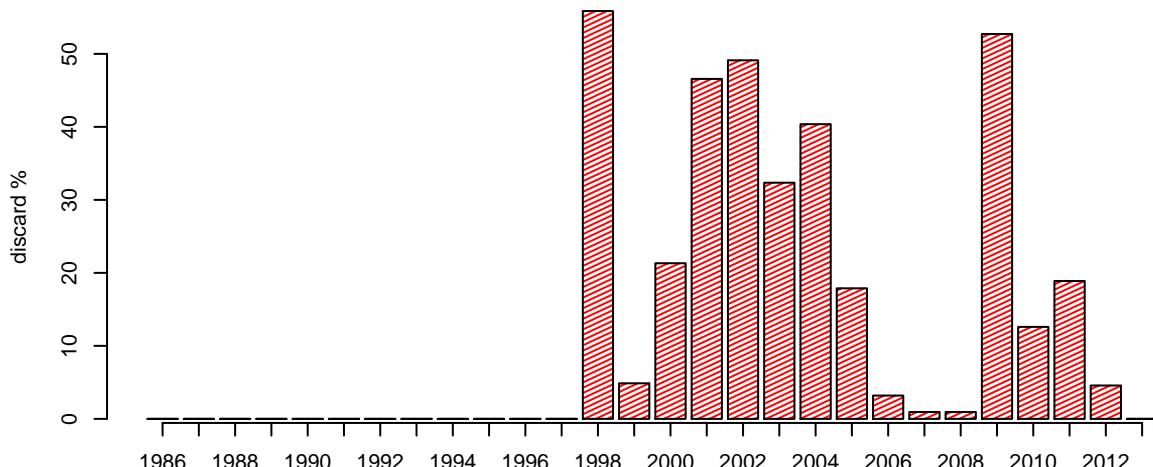
## Catch by gear



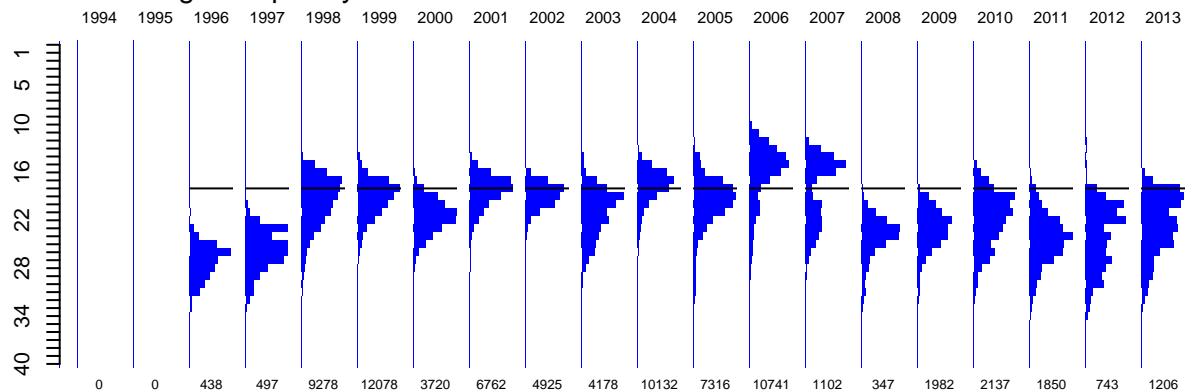
## Catch by zone



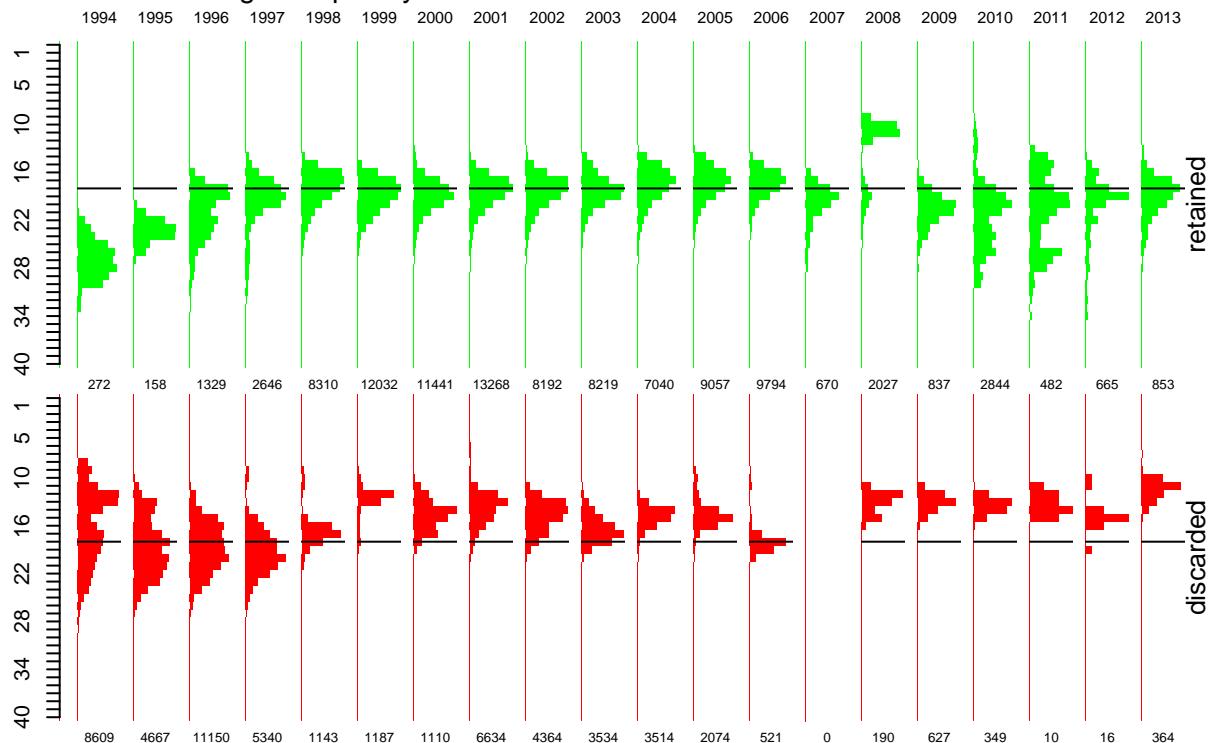
## Discards



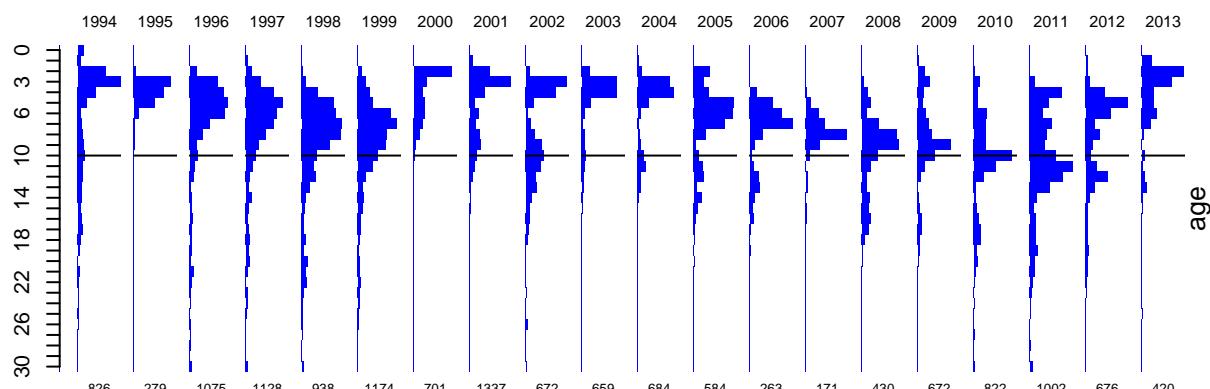
## Port length frequency



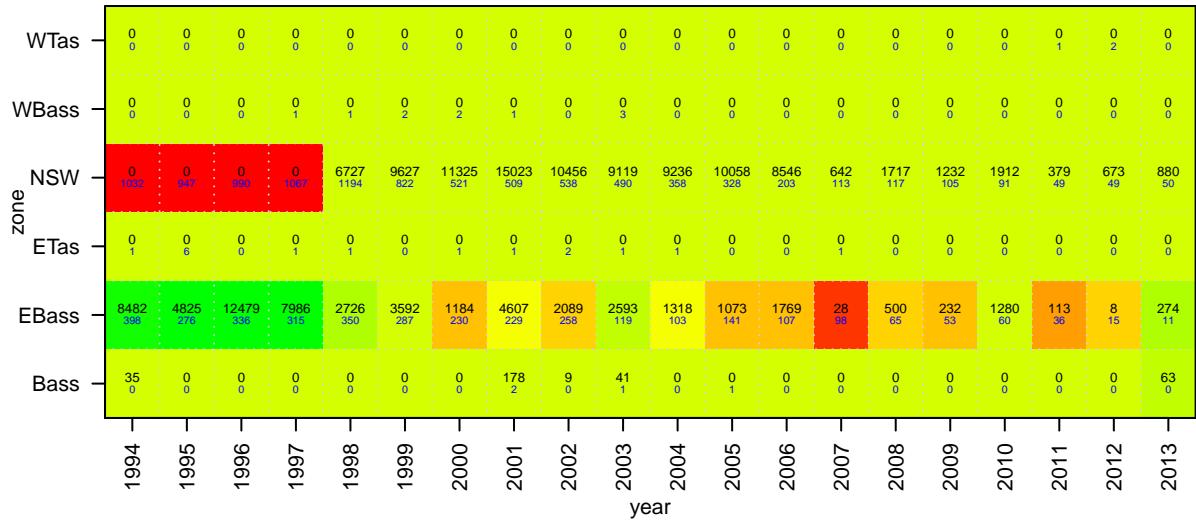
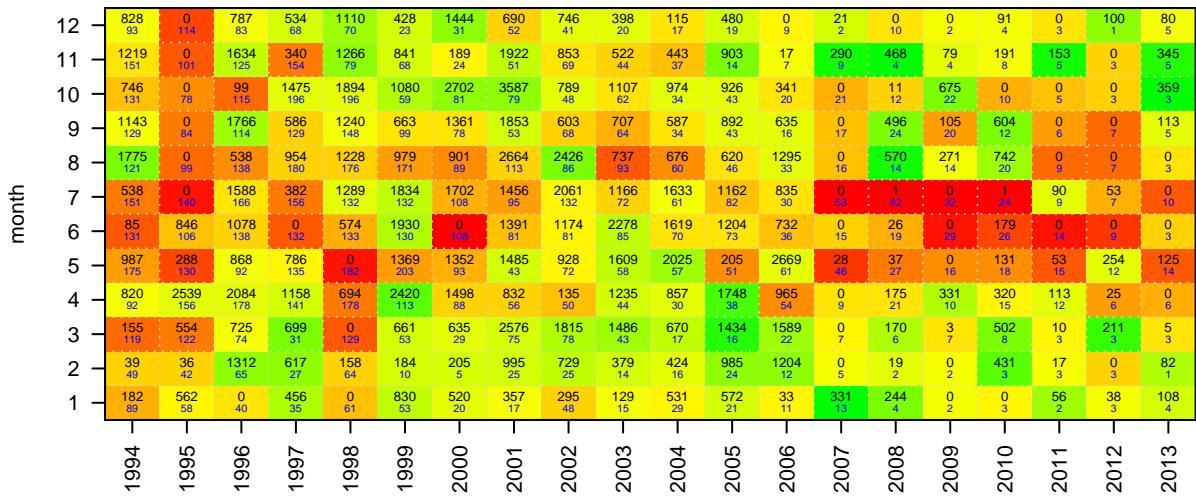
## Onboard length frequency



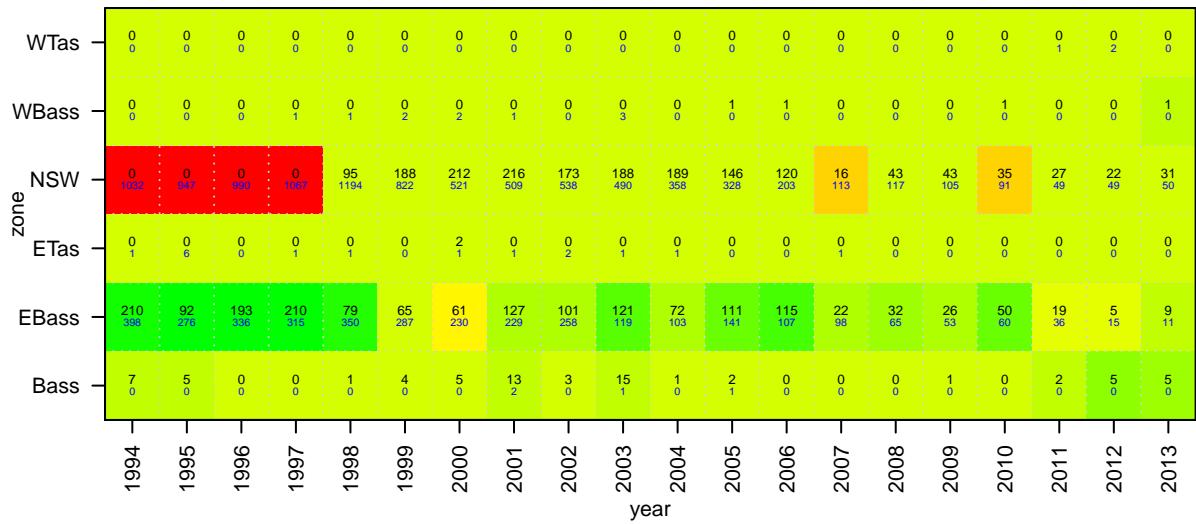
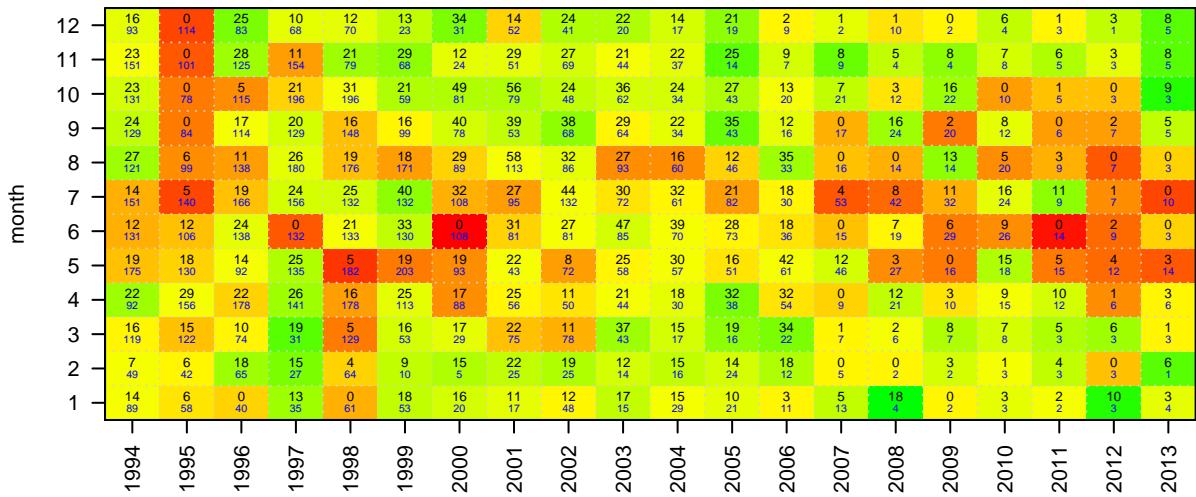
## Age frequency



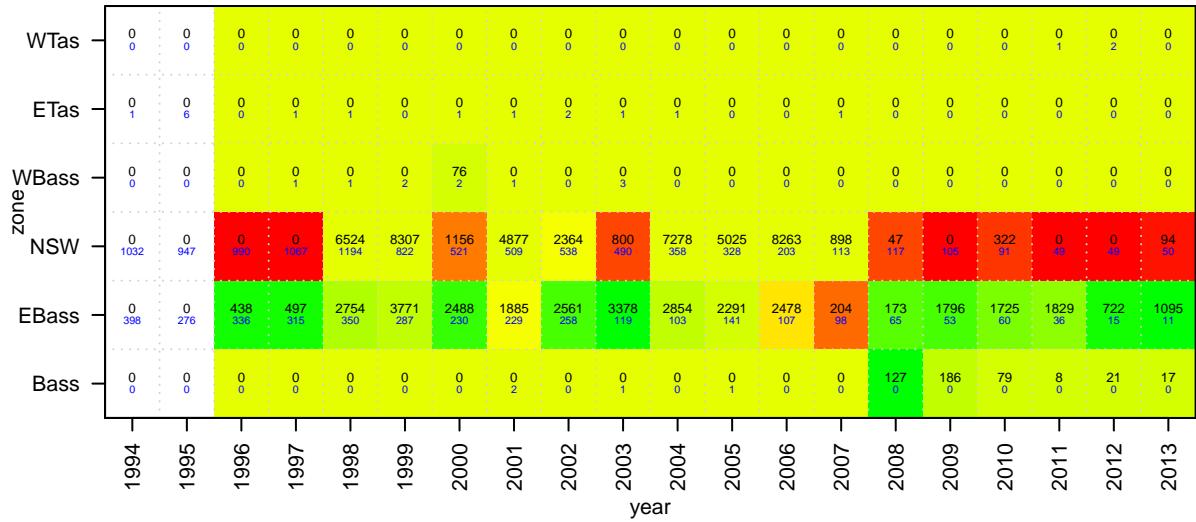
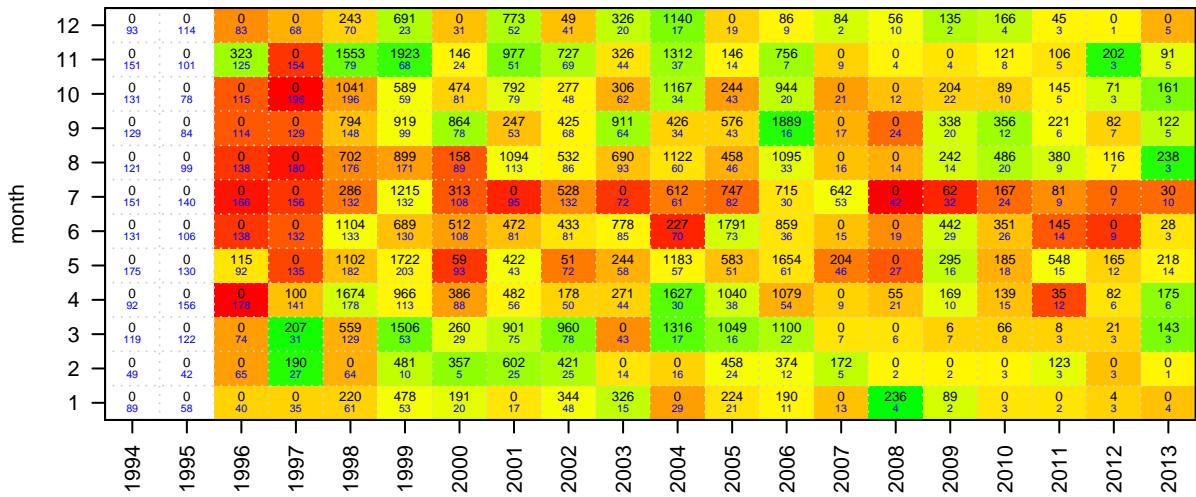
## Onboard length data



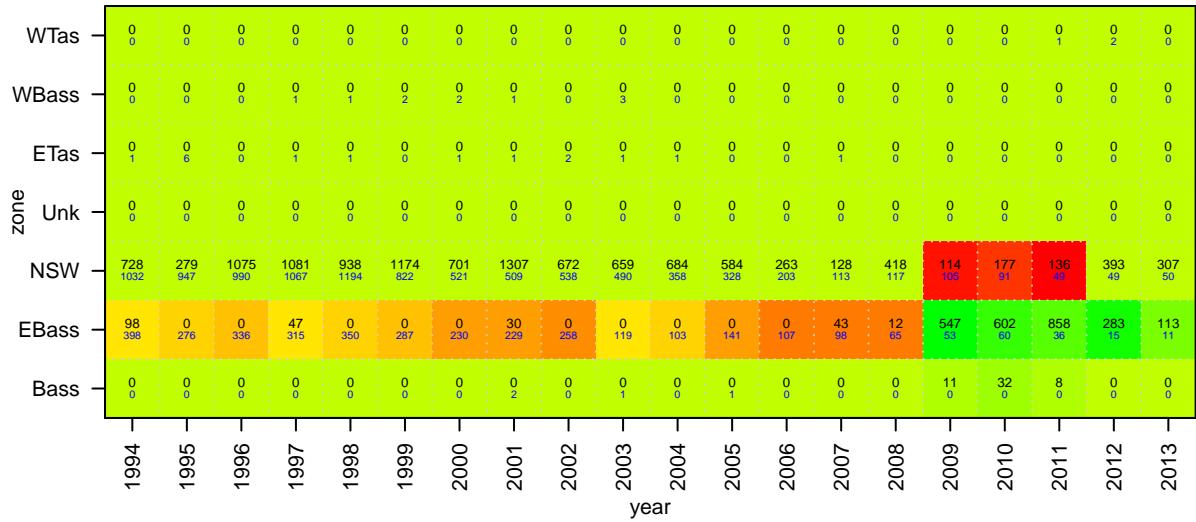
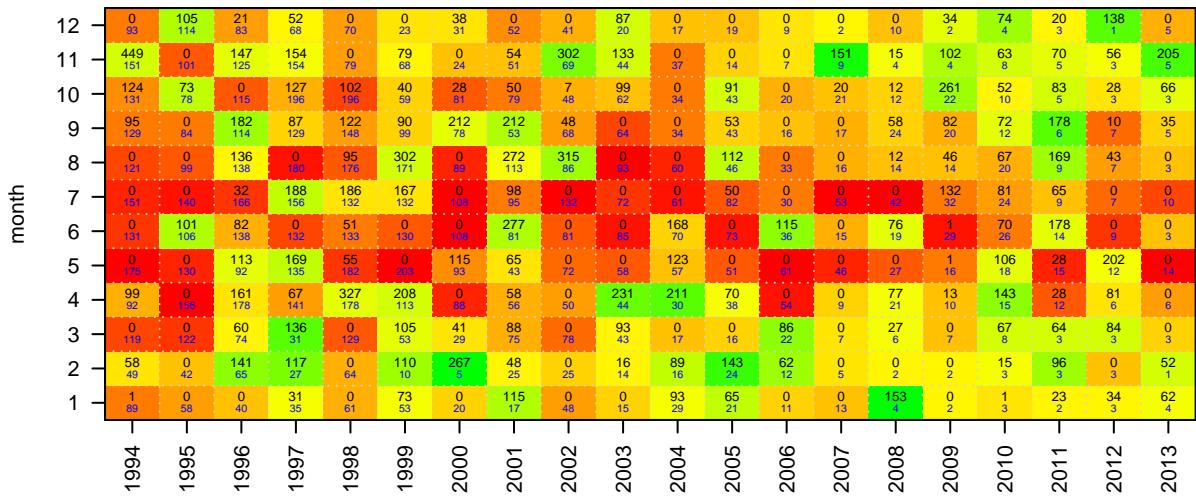
## Onboard discard weight data



## Port length data



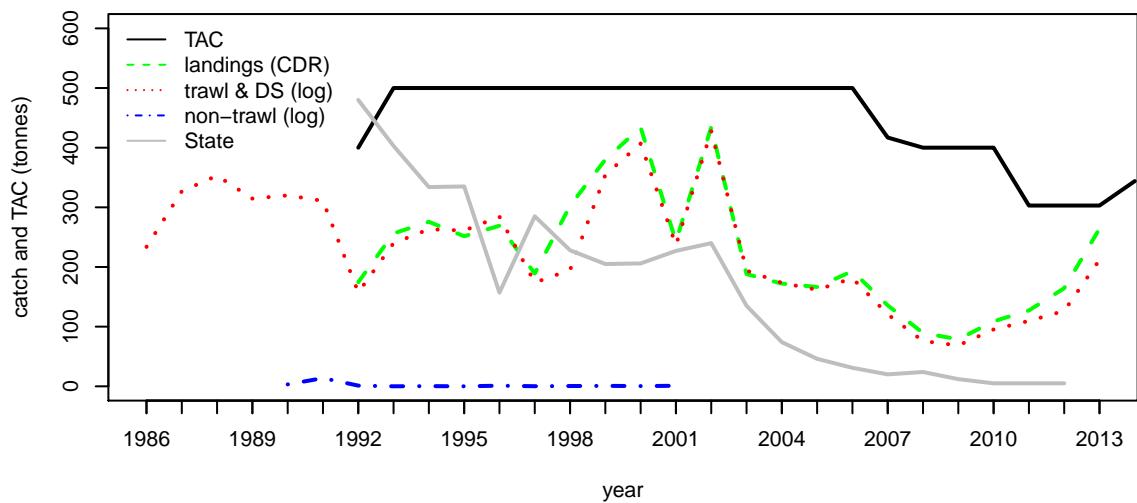
## Age data



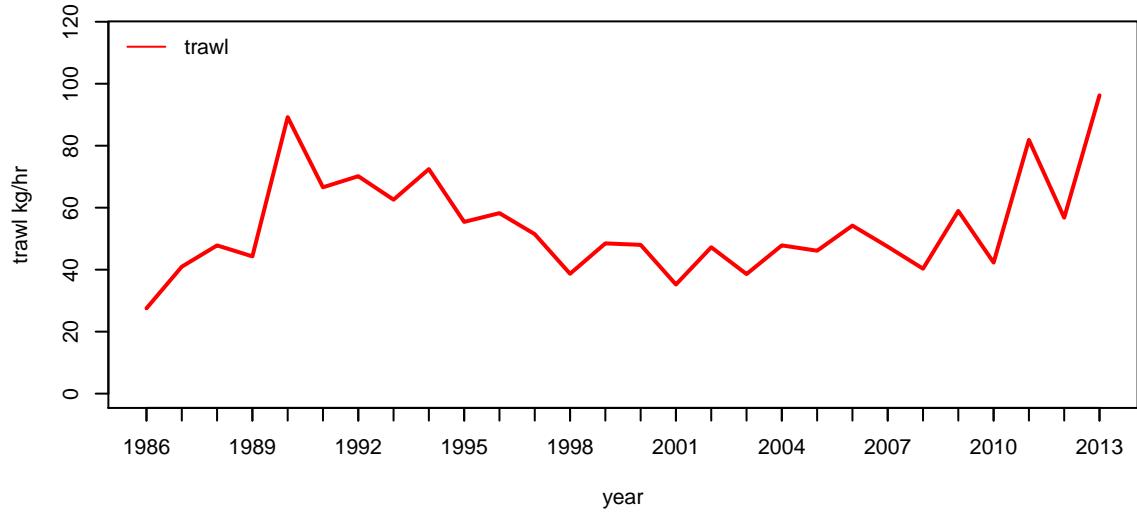
# Royal Red Prawn

Sat Jul 19 14:52:31 2014  
 region SET unit code PRR  
 CAAB 28714005  
 start month 1

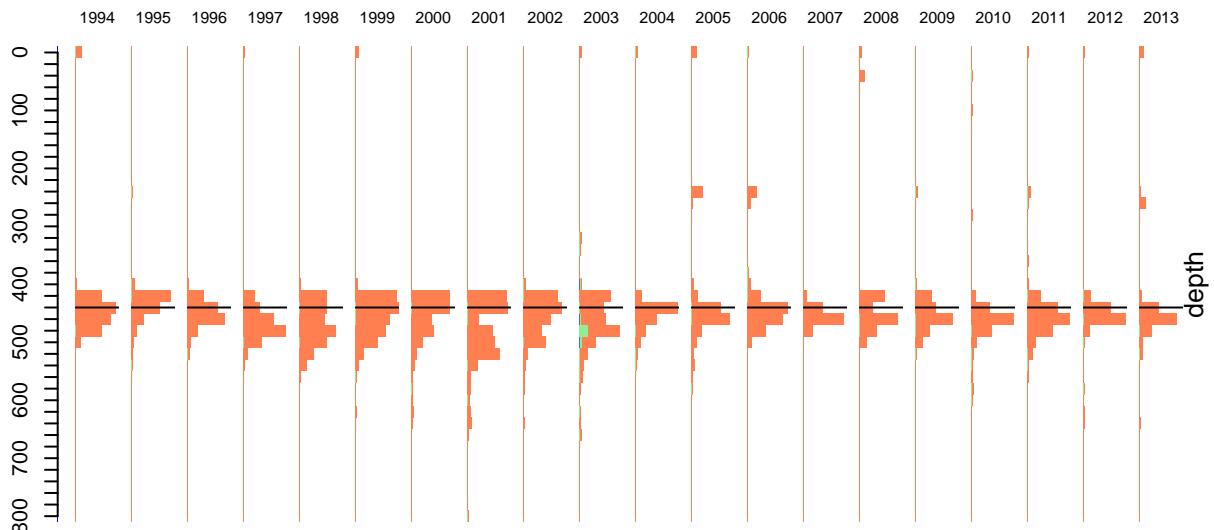
## TAC and landings



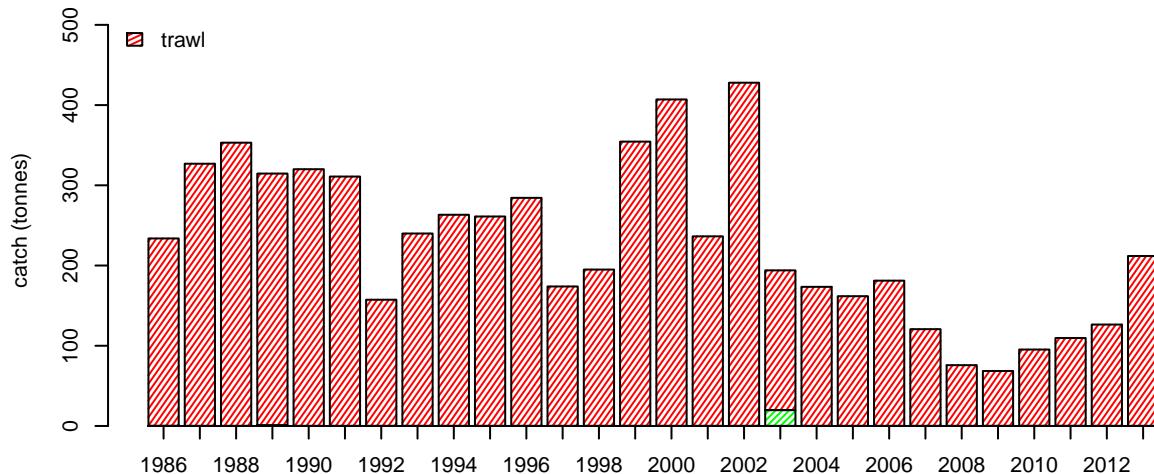
## Geometric mean CPUE



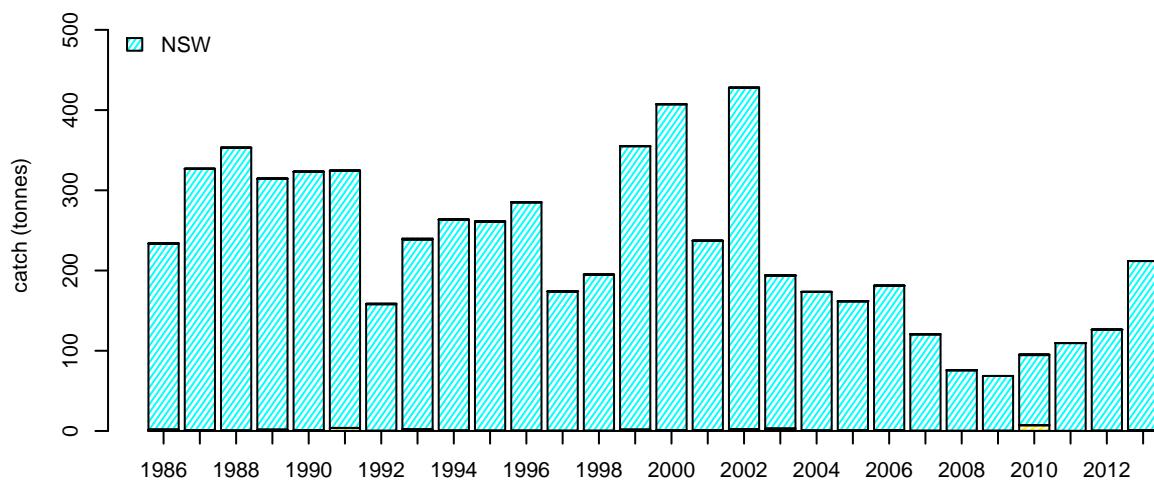
## Catch at depth



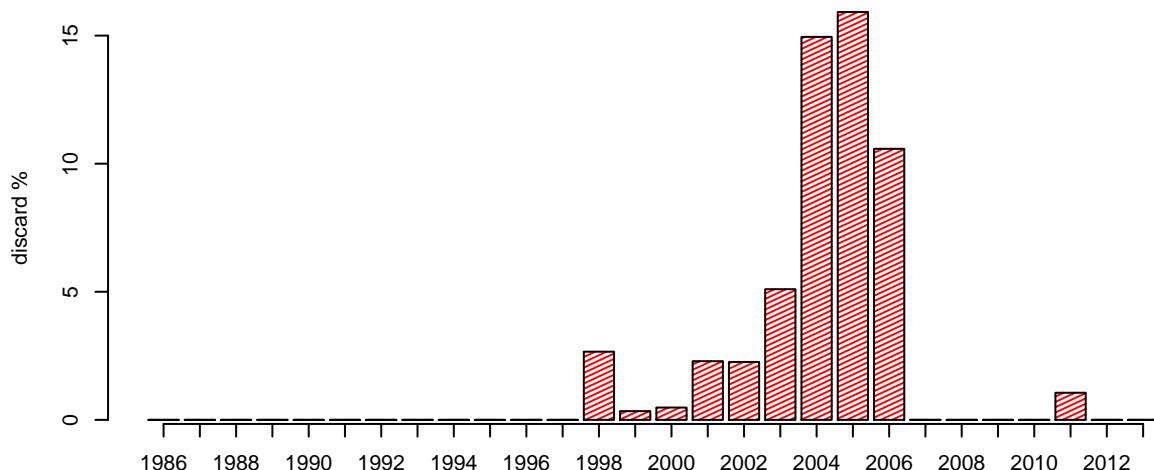
## Catch by gear



## Catch by zone



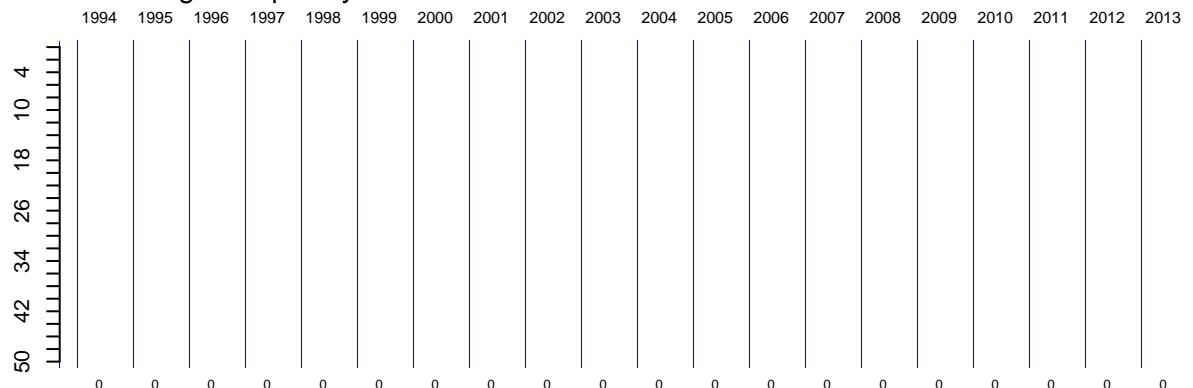
## Discards



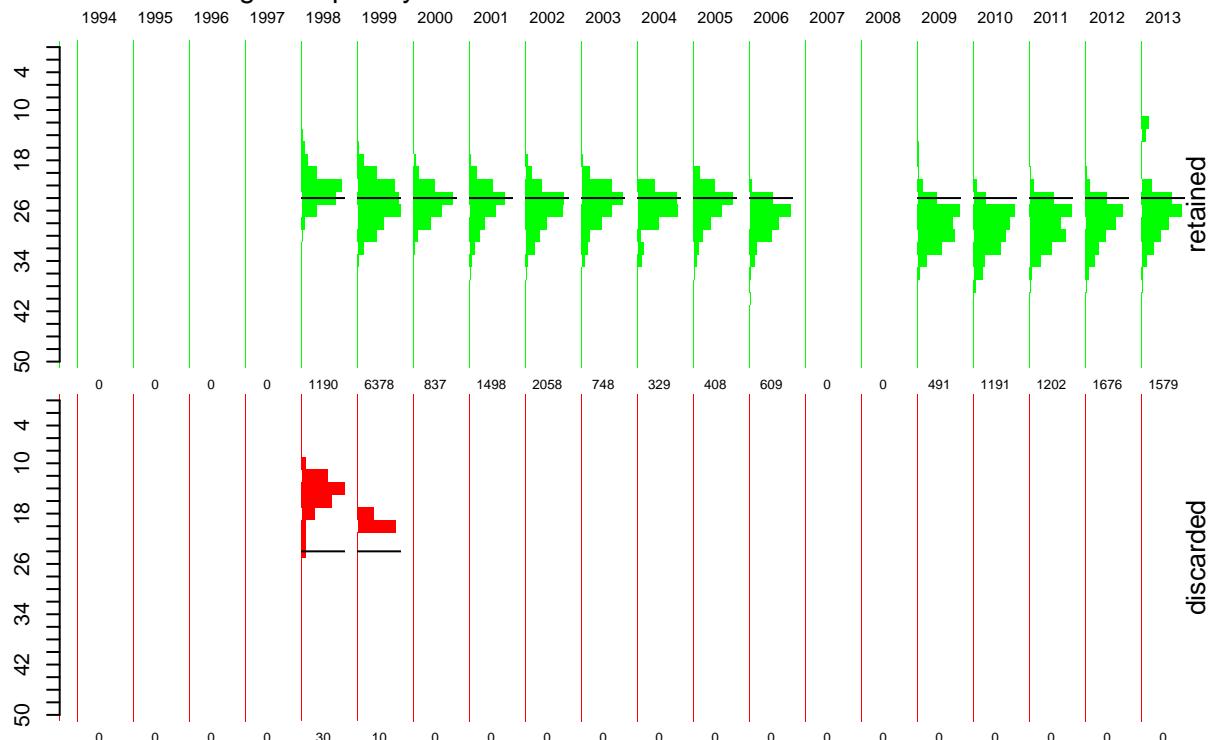
# Royal Red Prawn

Sat Jul 19 14:52:35 2014

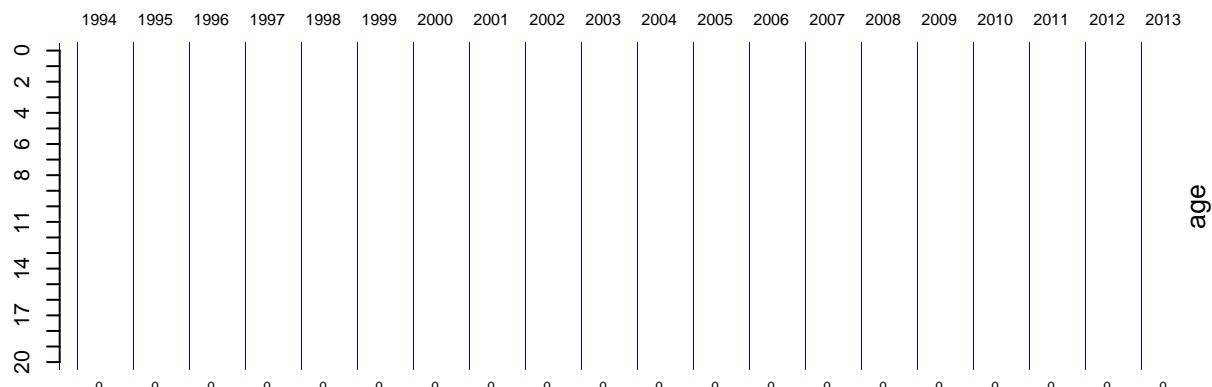
## Port length frequency



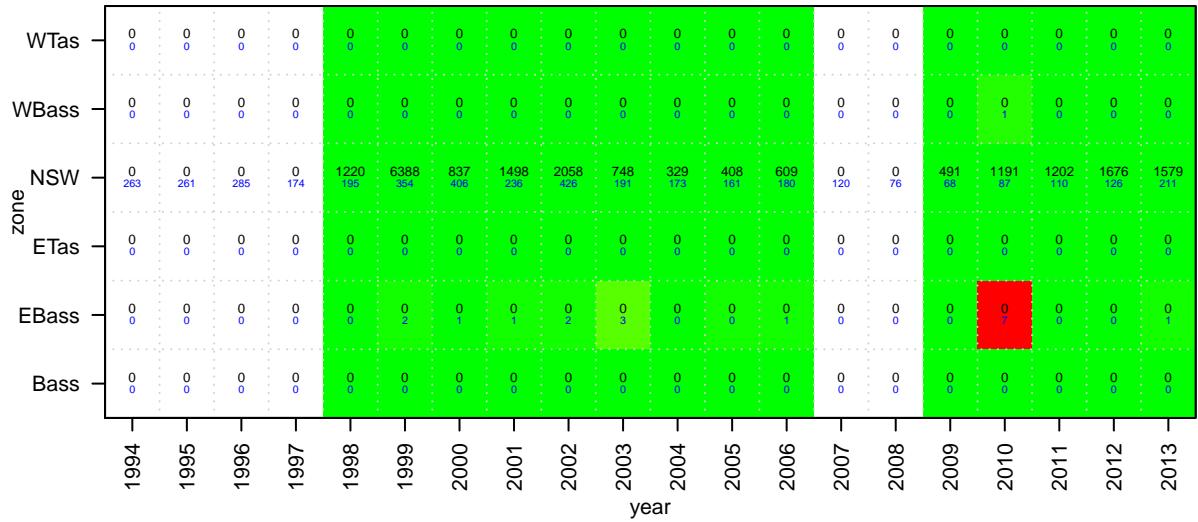
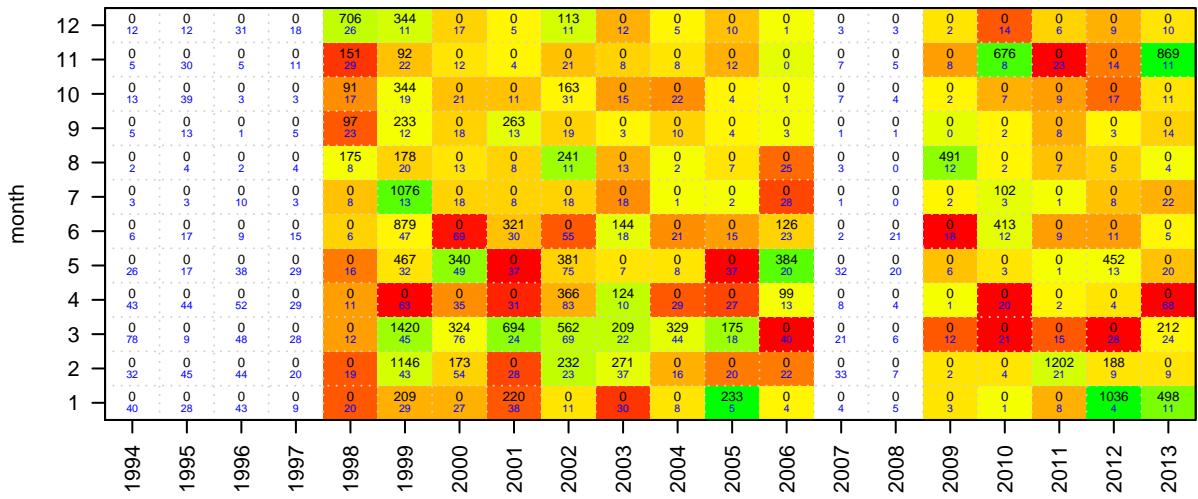
## Onboard length frequency



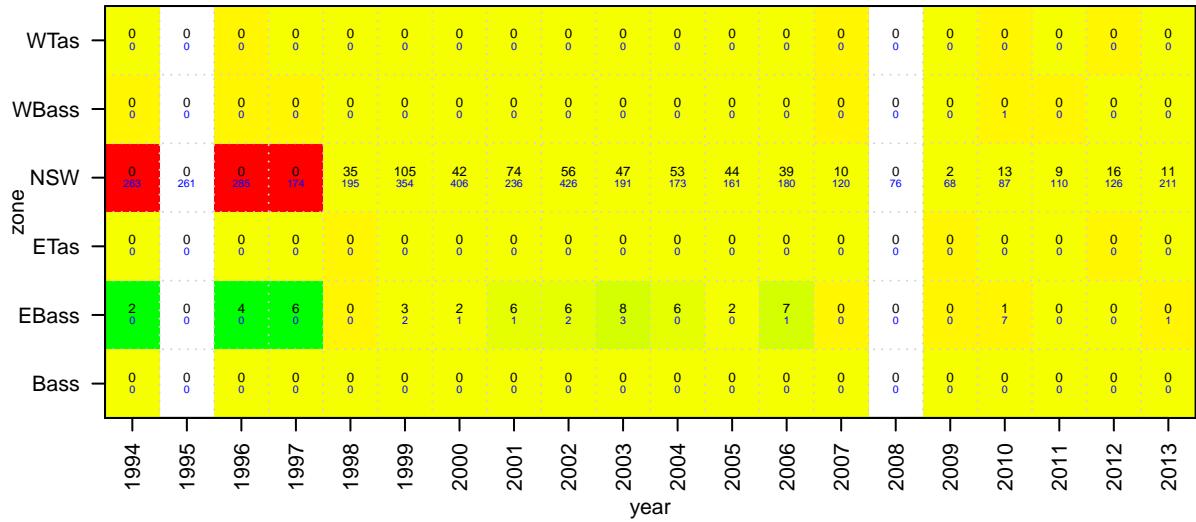
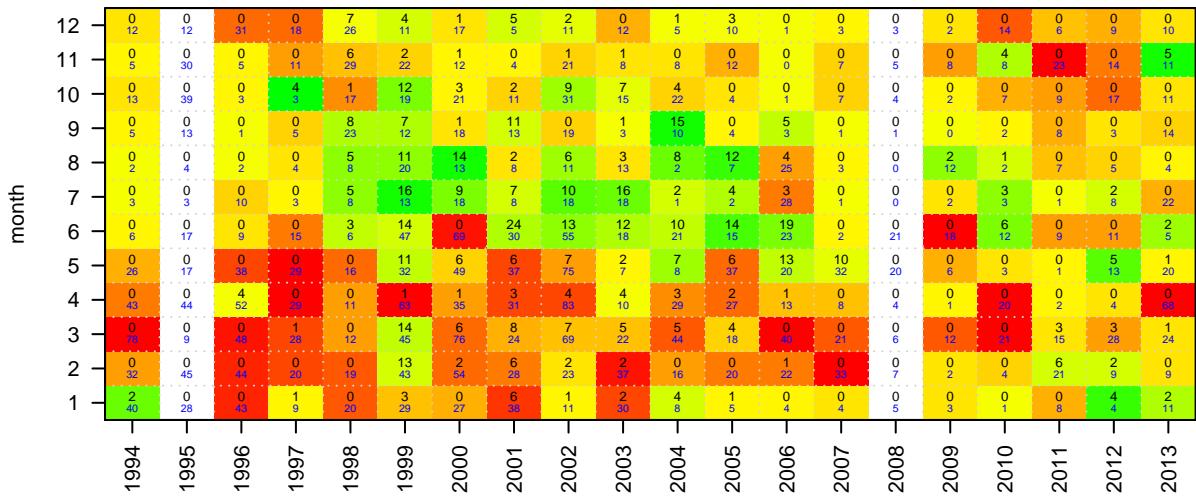
## Age frequency



## Onboard length data



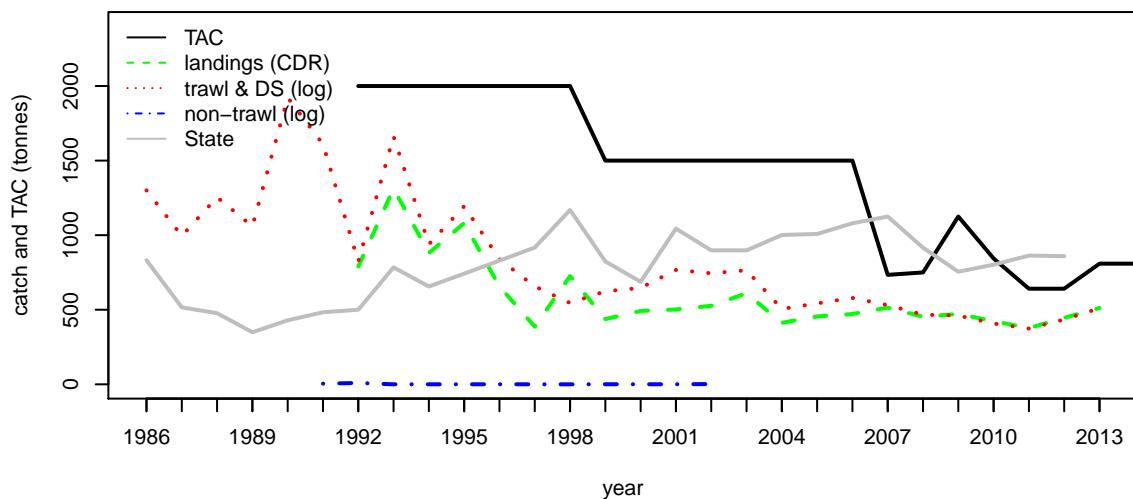
## Onboard discard weight data



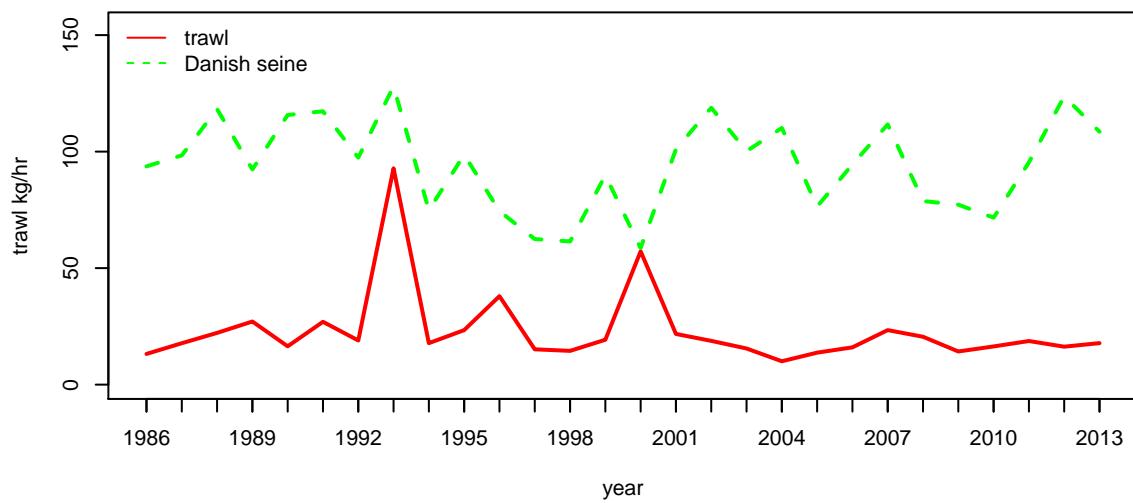
# School Whiting

Sat Jul 19 14:54:02 2014  
 region SET unit code WHS  
 CAAB 37330014  
 start month 1

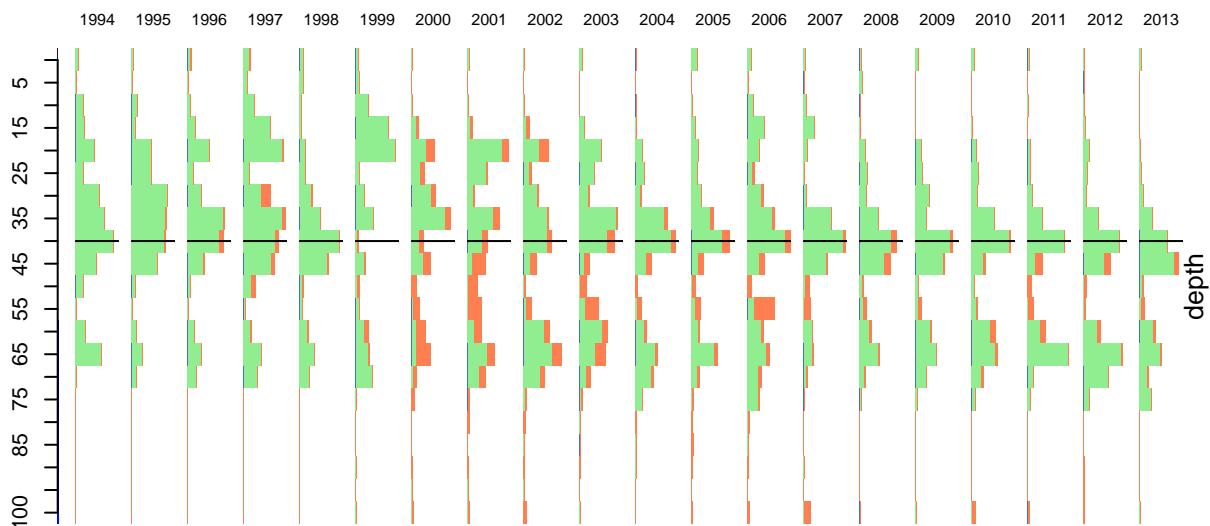
## TAC and landings



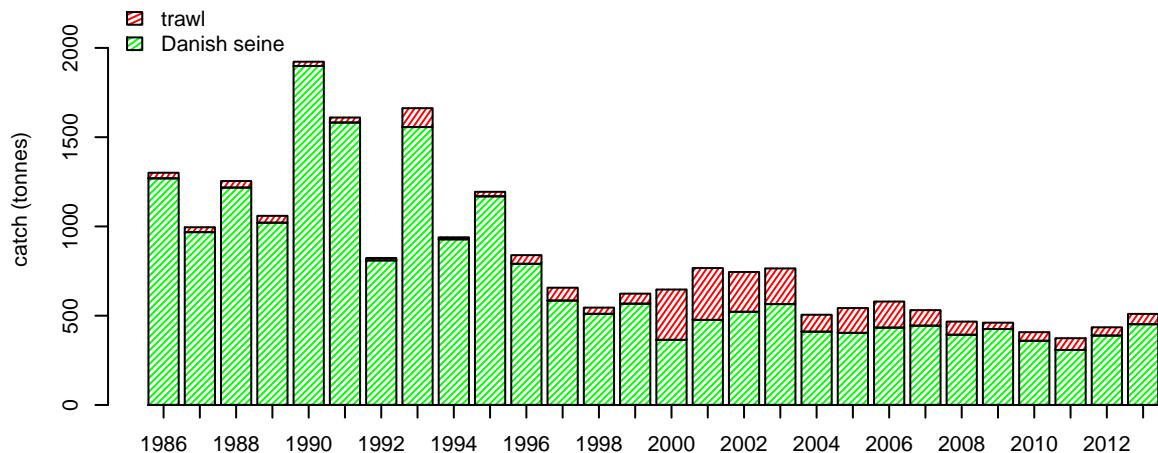
## Geometric mean CPUE



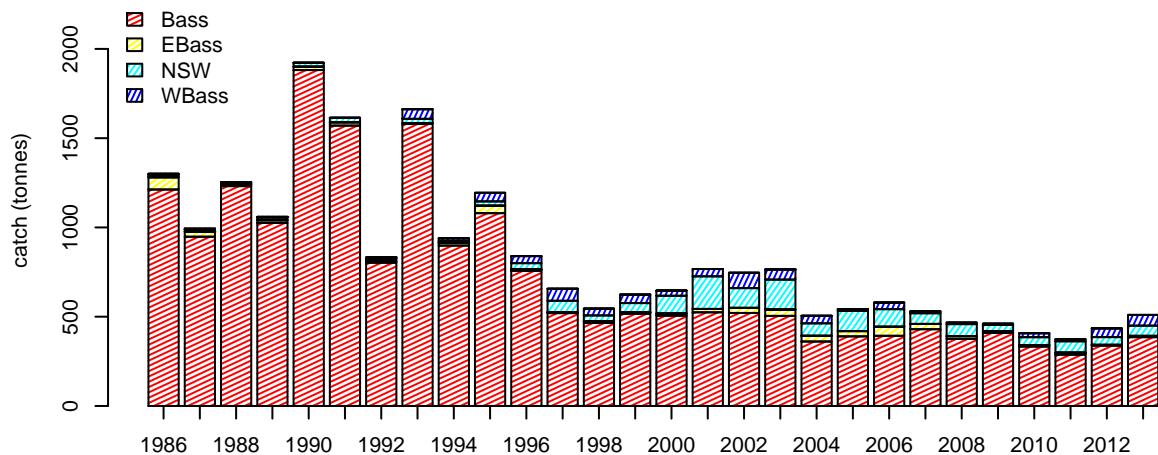
## Catch at depth



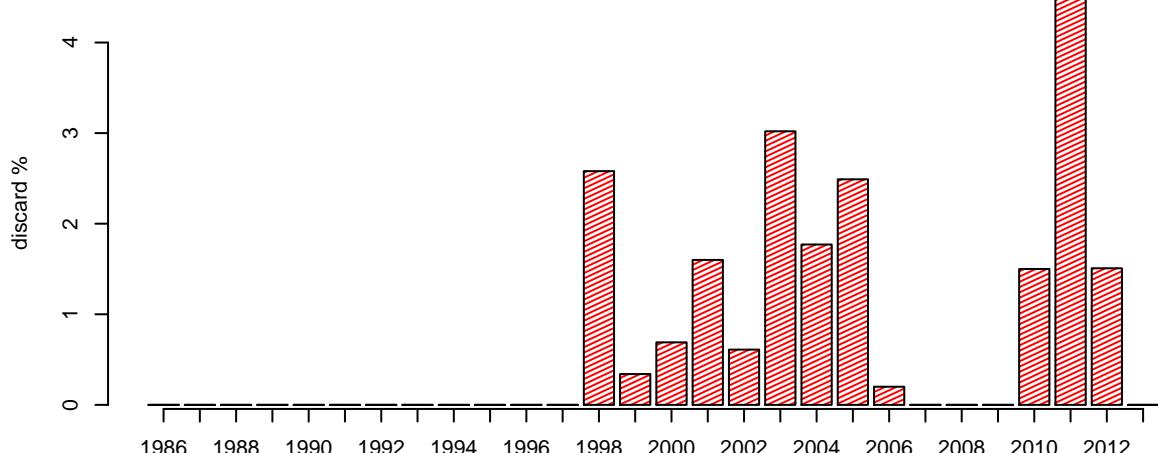
## Catch by gear



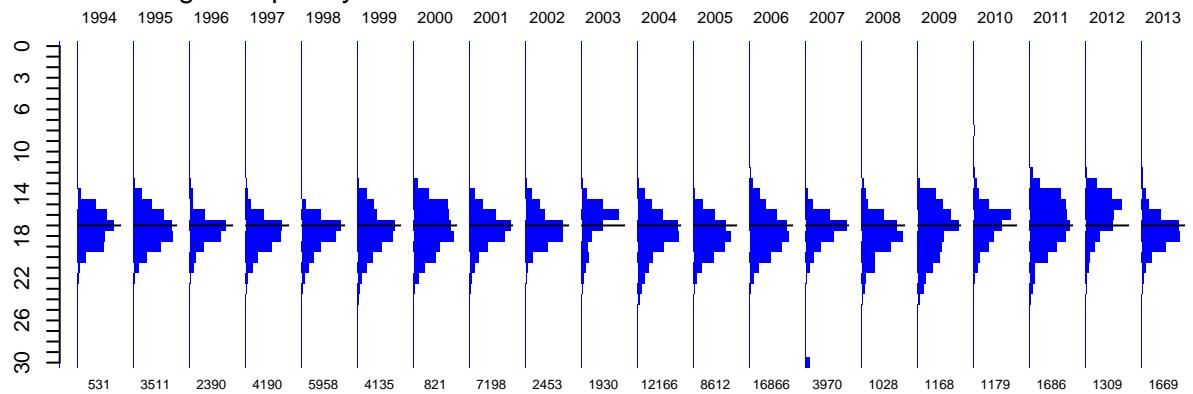
## Catch by zone



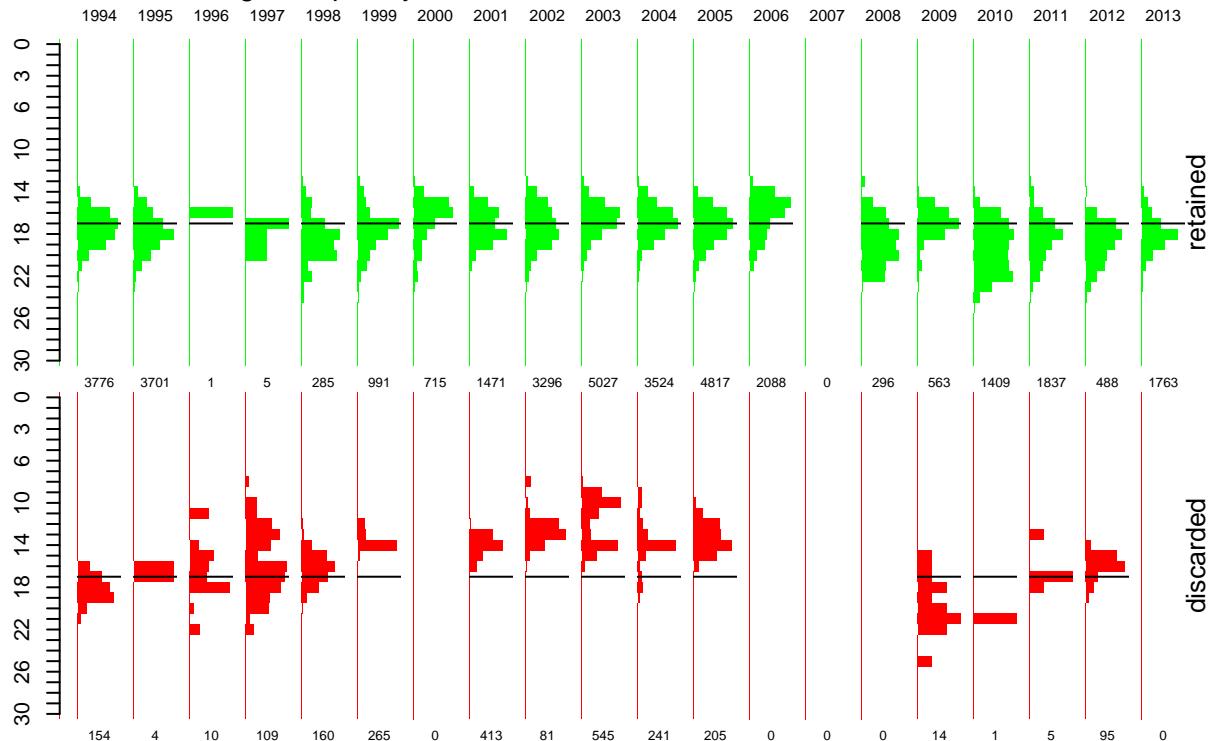
## Discards



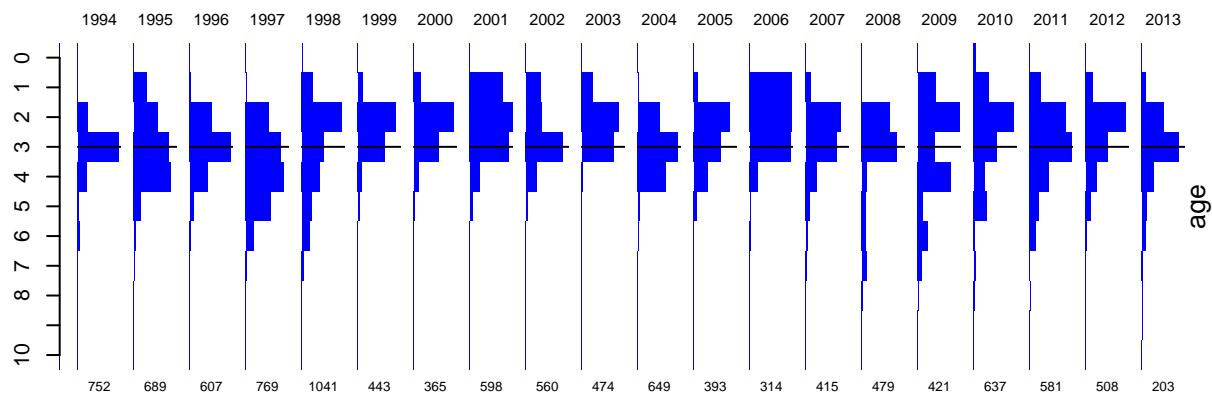
## Port length frequency



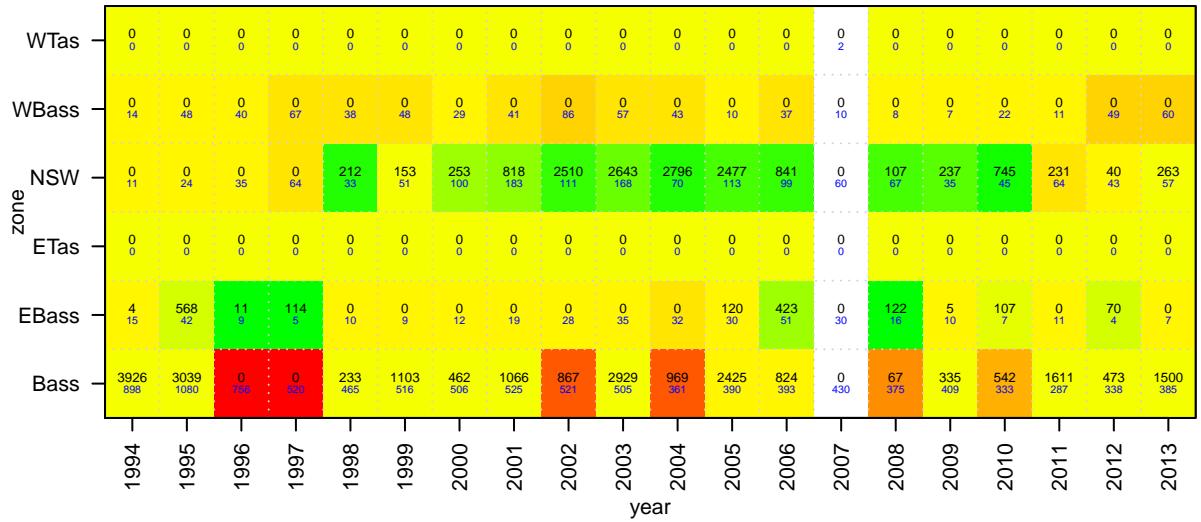
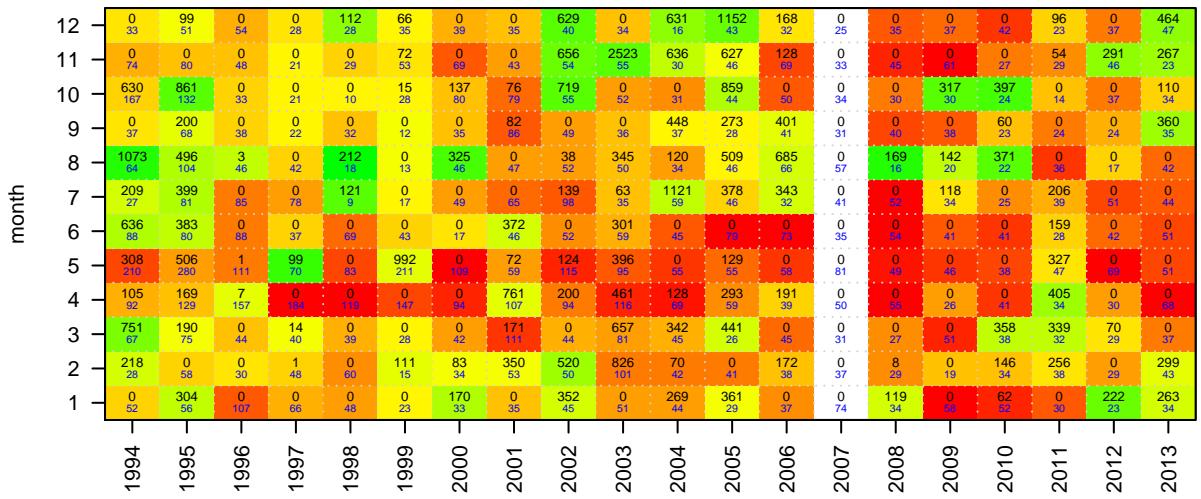
## Onboard length frequency



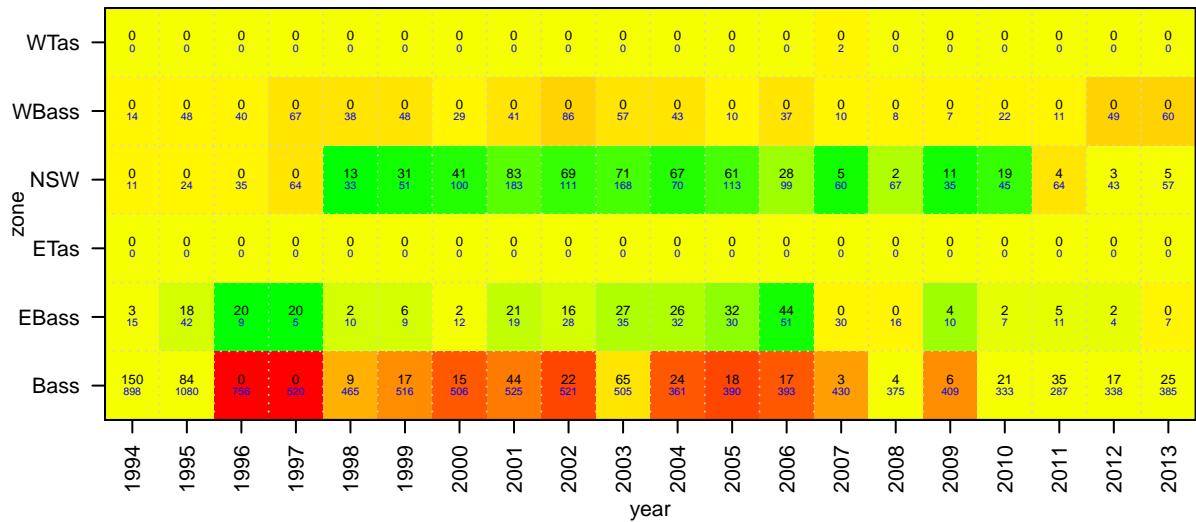
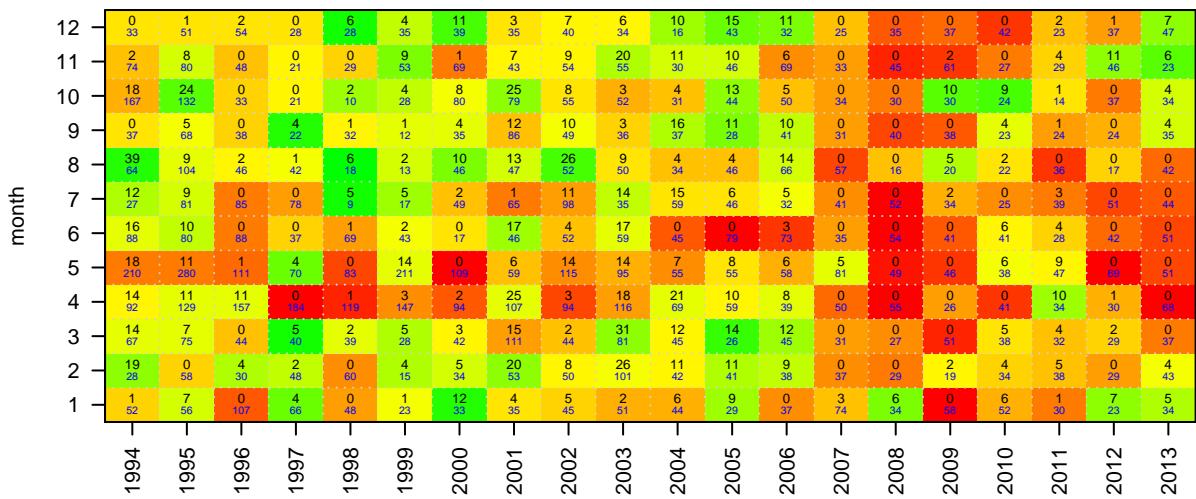
## Age frequency



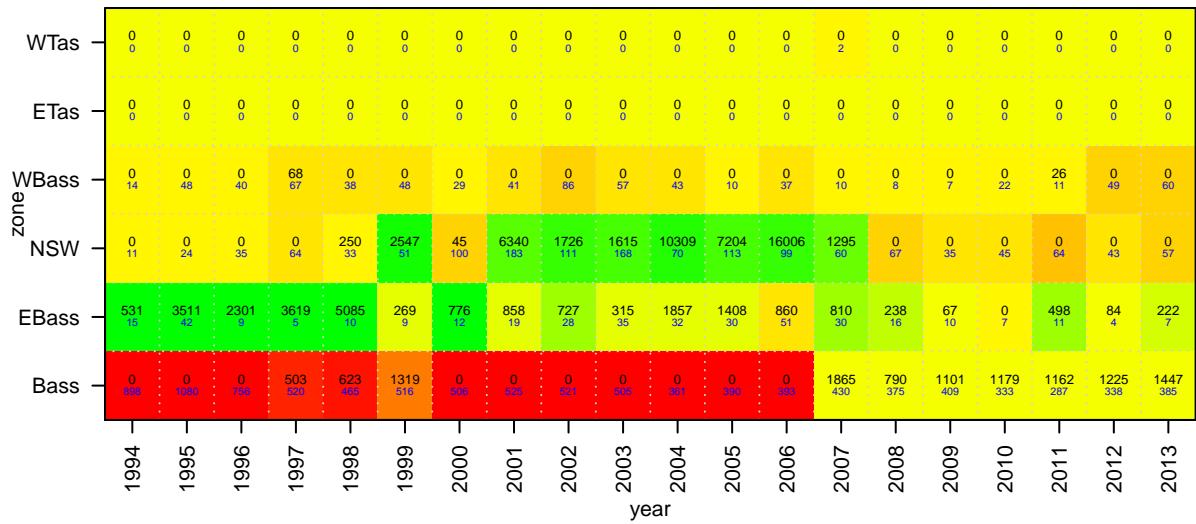
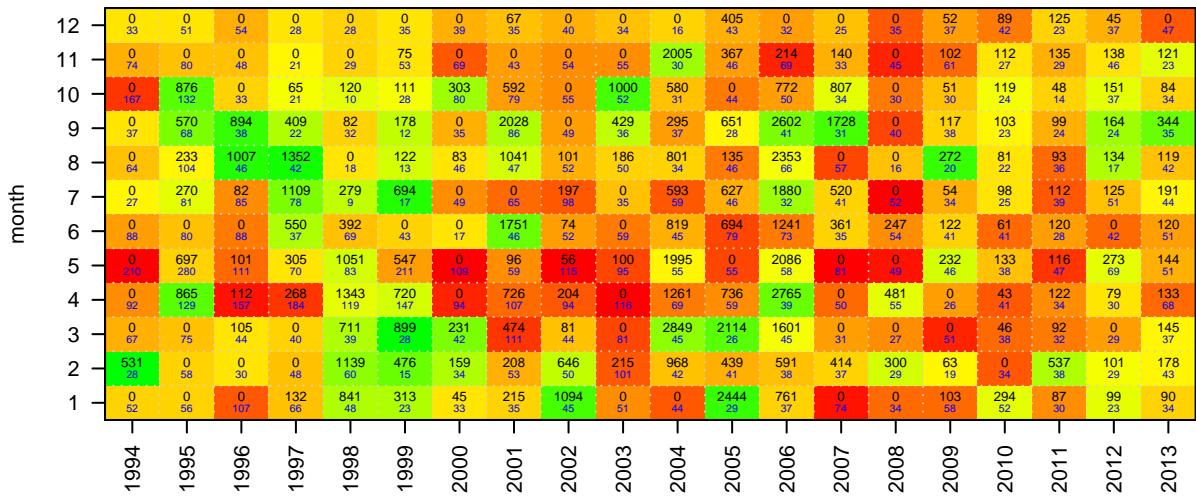
## Onboard length data



## Onboard discard weight data



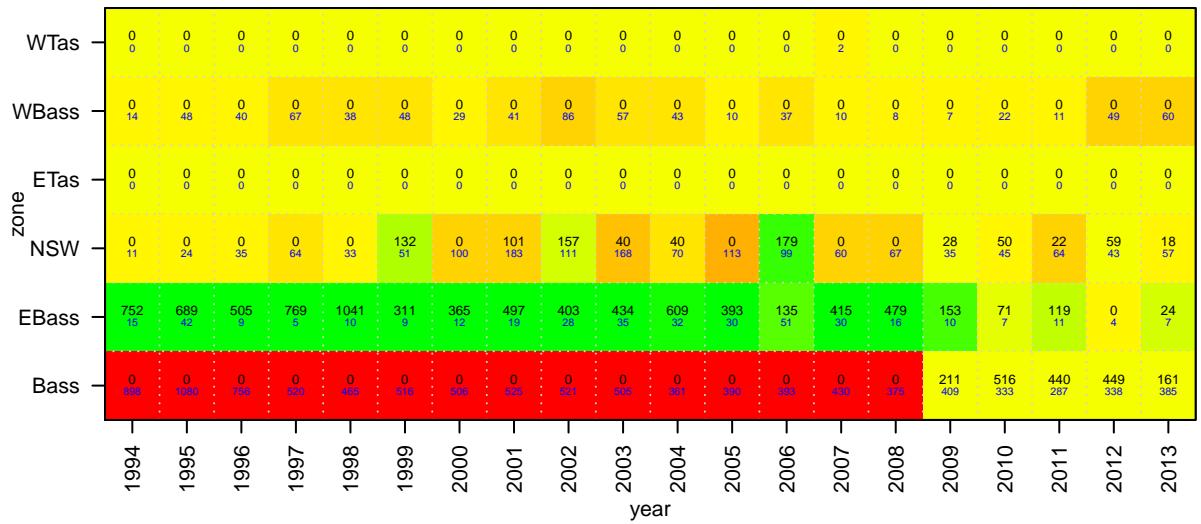
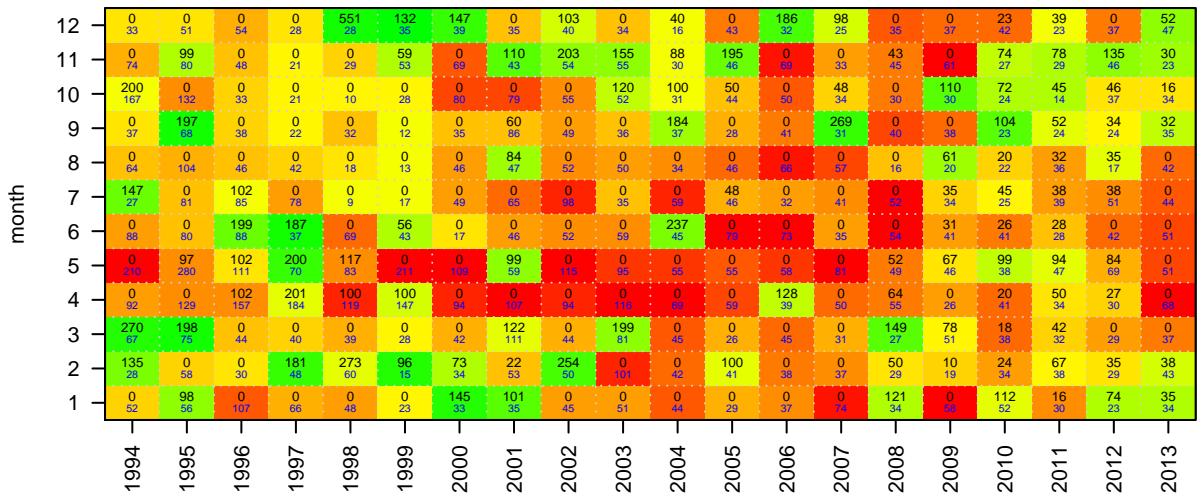
## Port length data



# School Whiting

Sat Jul 19 14:54:28 2014

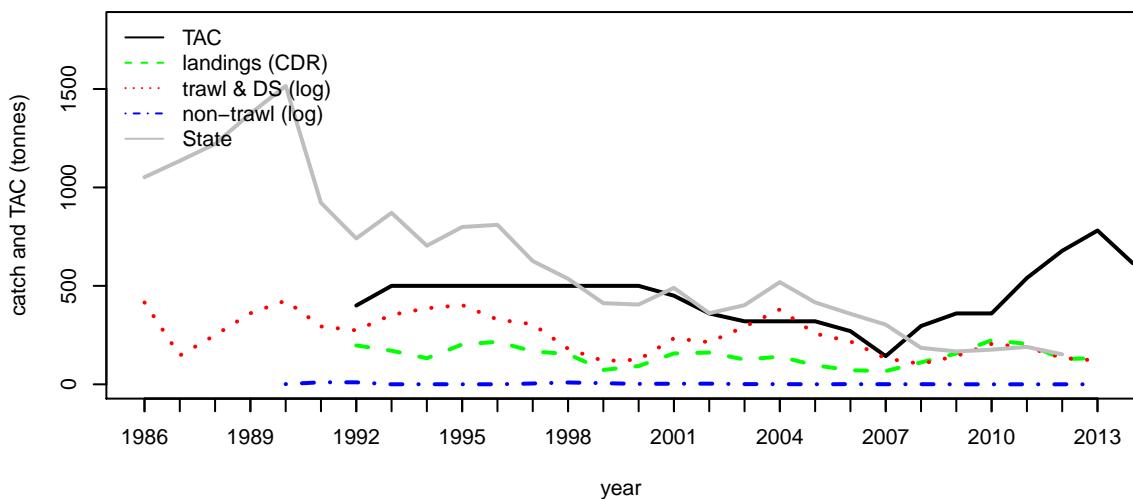
## Age data



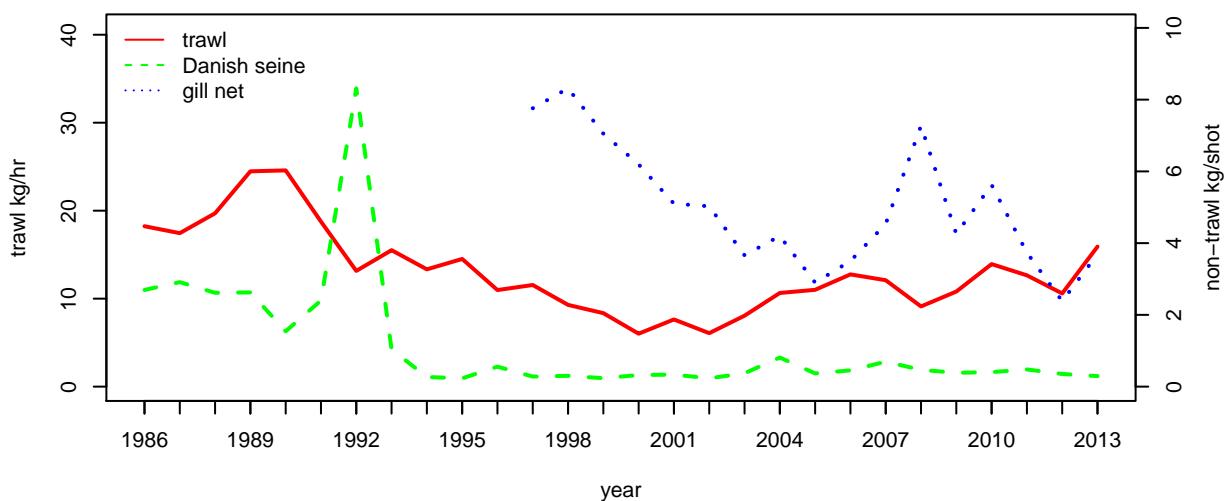
# Silver Trevally

Sat Jul 19 14:55:07 2014  
 region SET unit code TRE  
 CAAB 37337062  
 start month 1

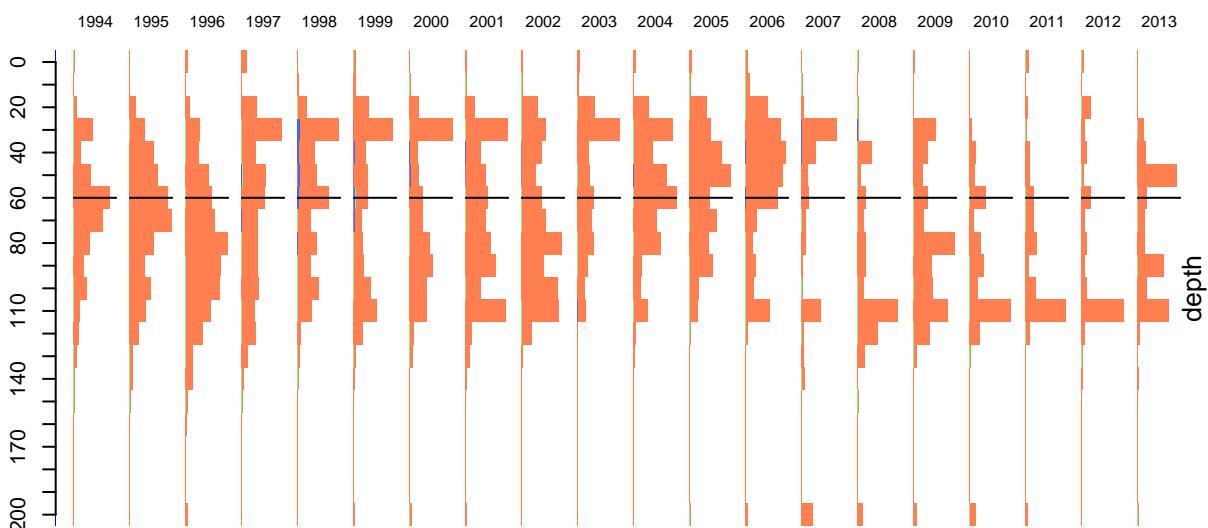
## TAC and landings



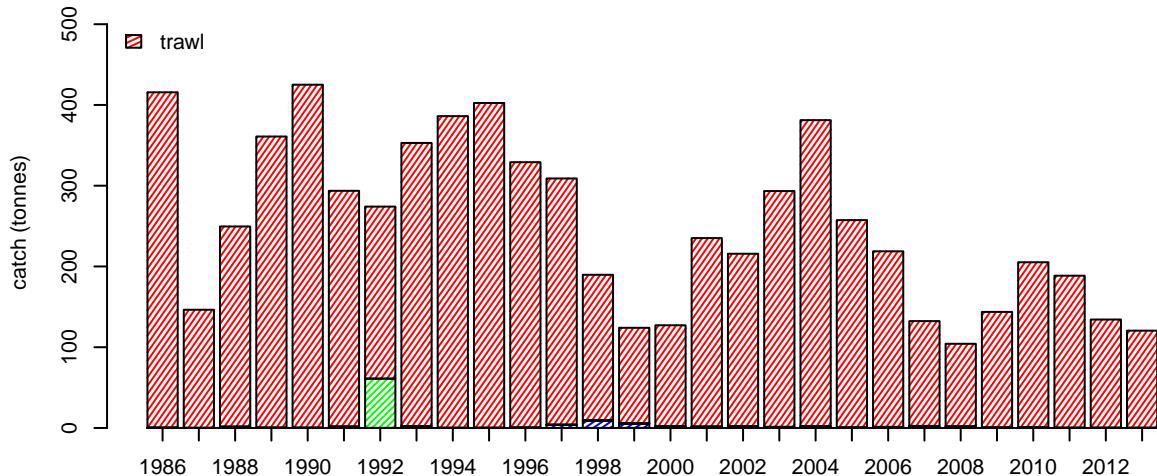
## Geometric mean CPUE



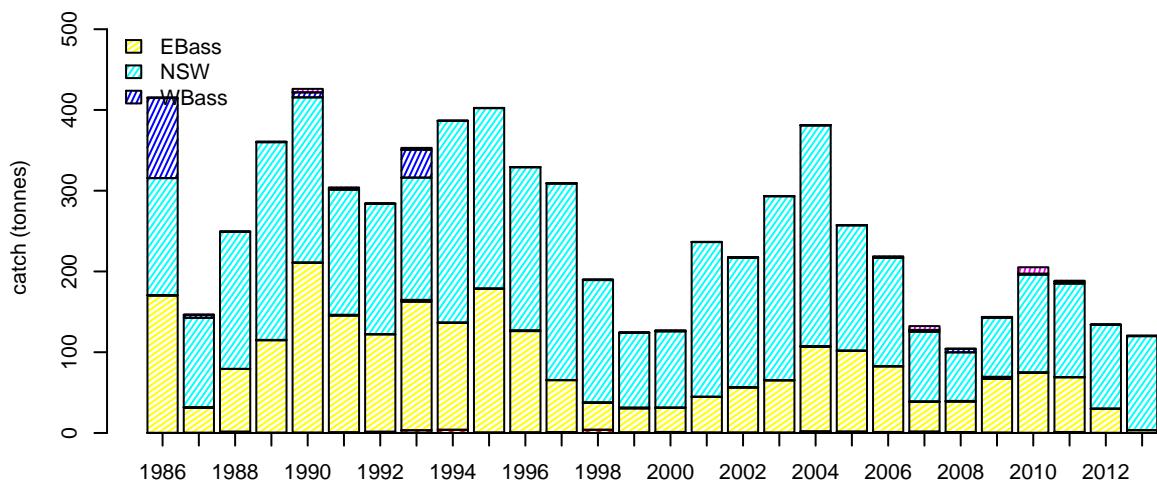
## Catch at depth



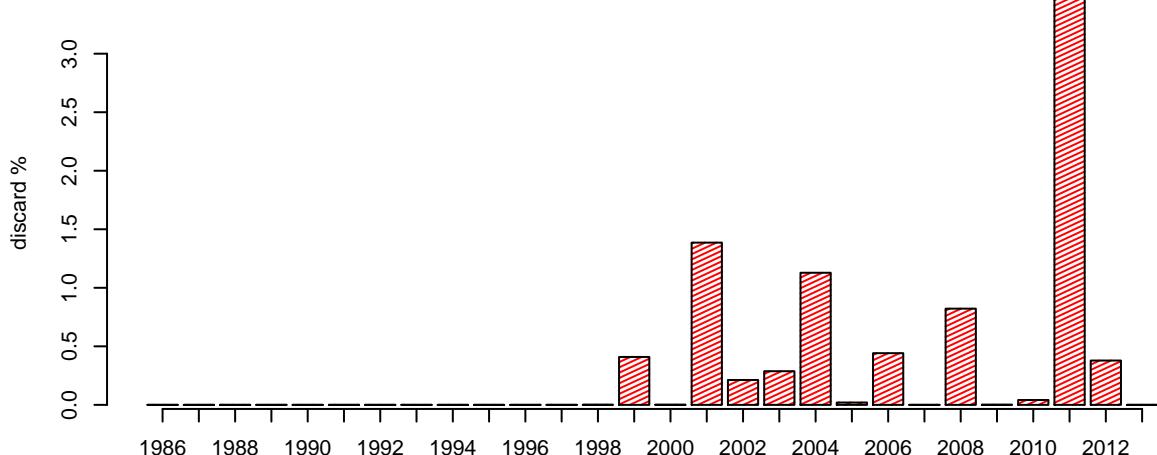
## Catch by gear



## Catch by zone



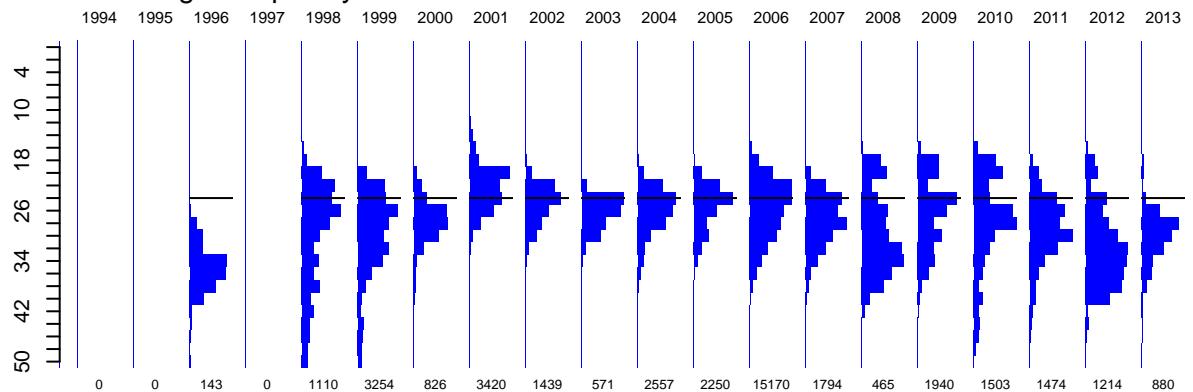
## Discards



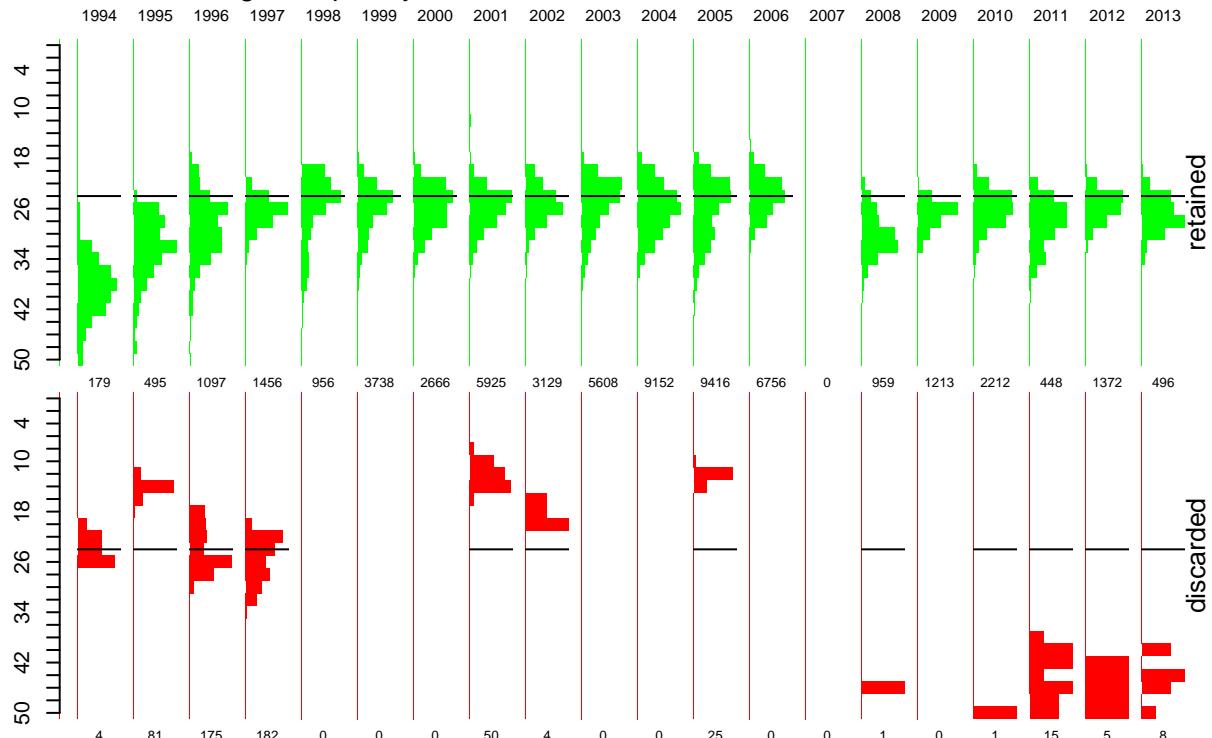
# Silver Trevally

Sat Jul 19 14:55:19 2014

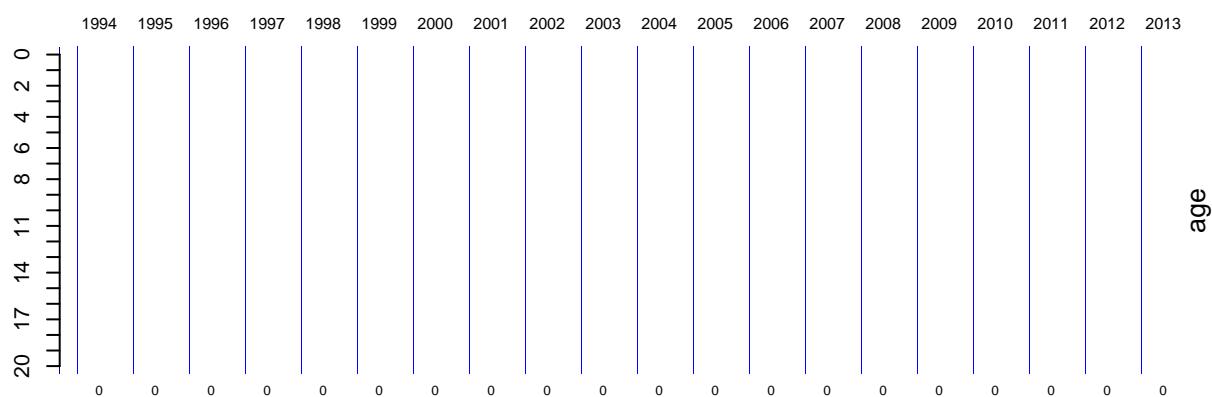
## Port length frequency



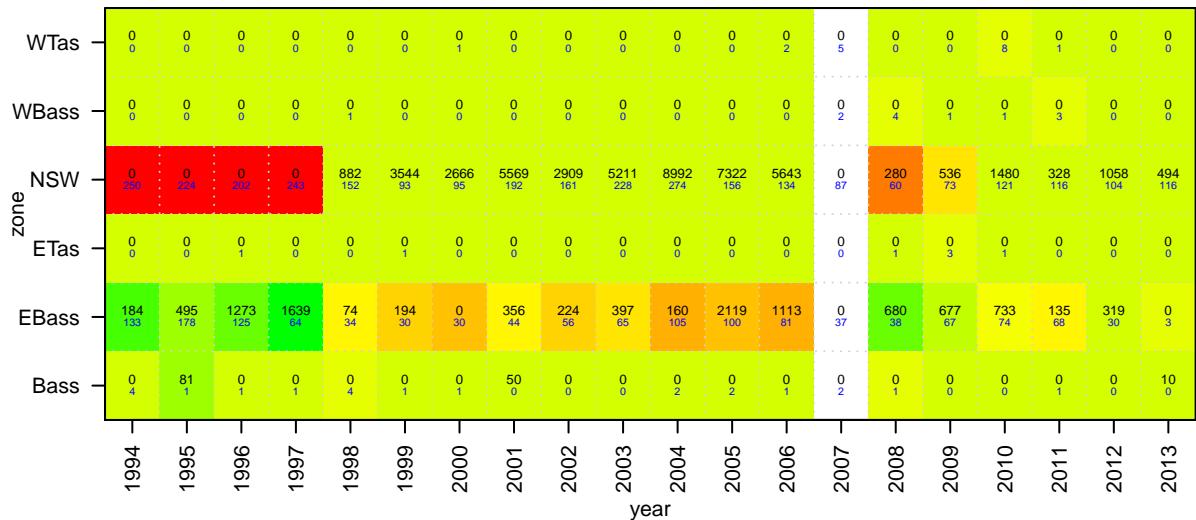
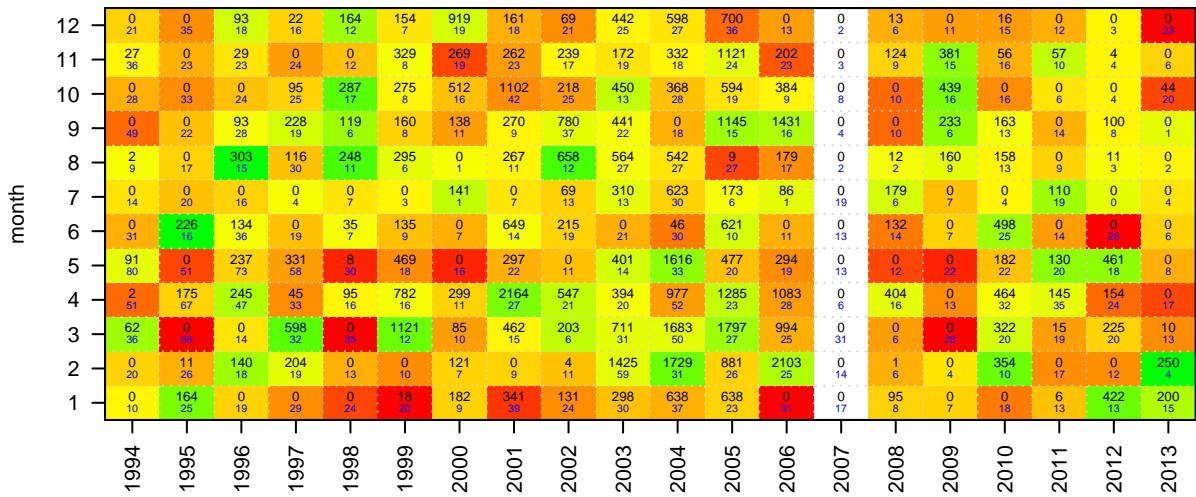
## Onboard length frequency



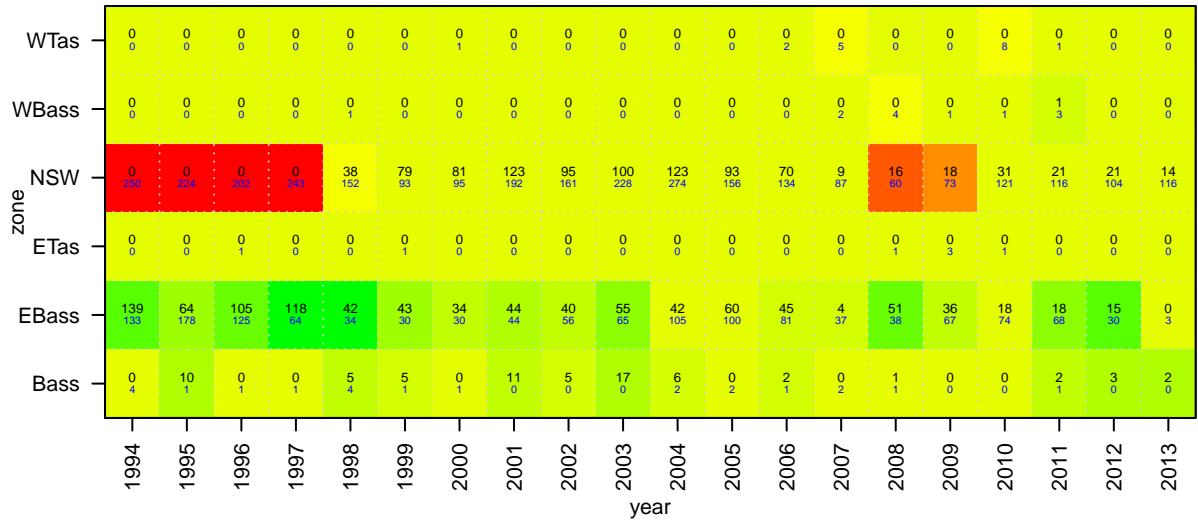
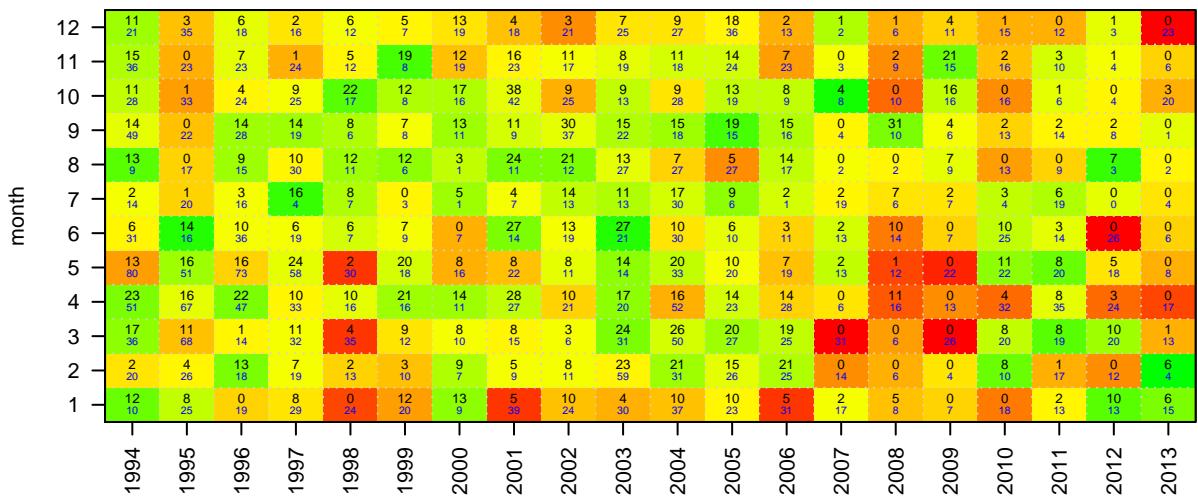
## Age frequency



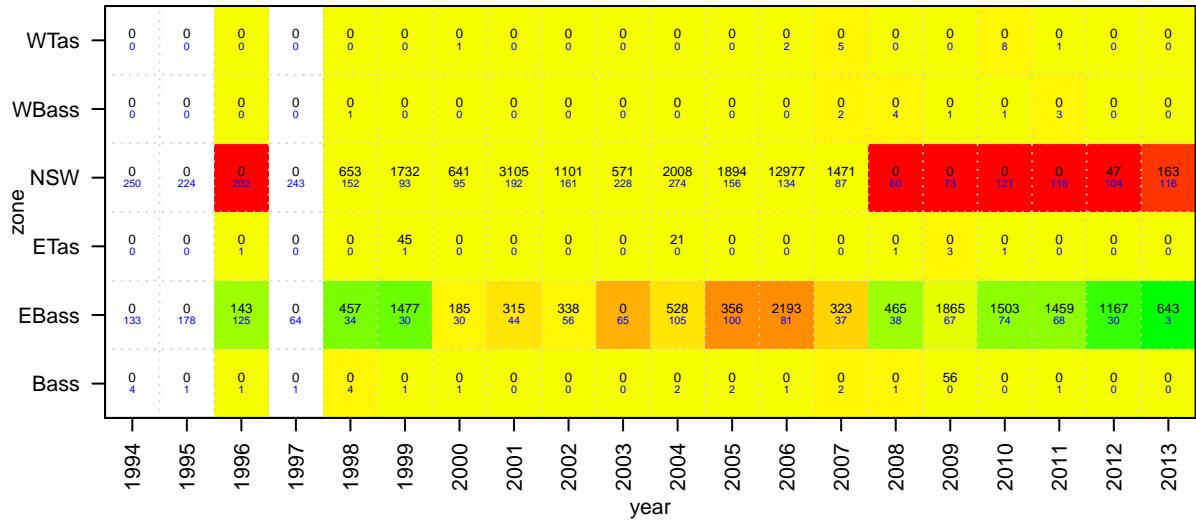
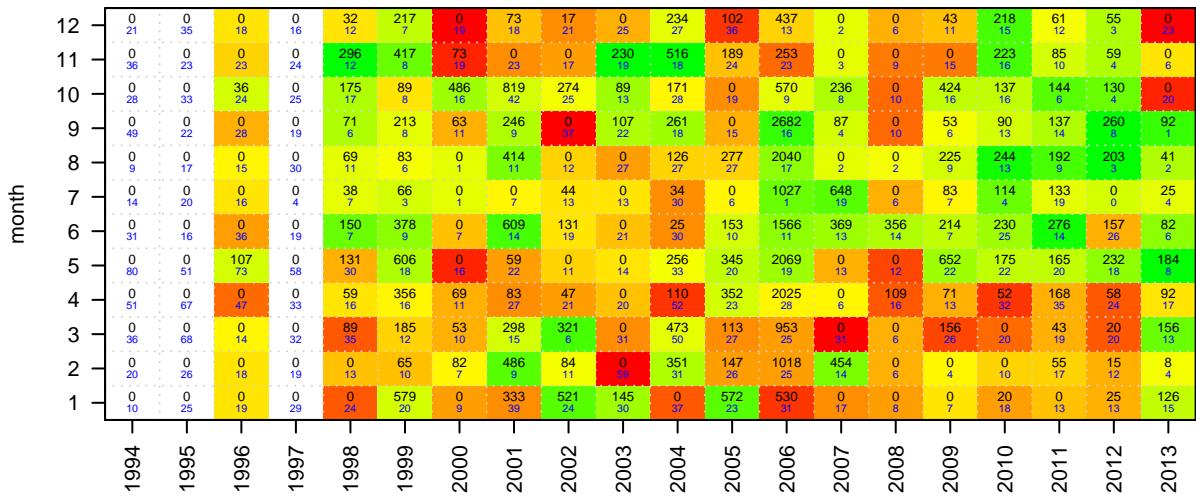
## Onboard length data



## Onboard discard weight data



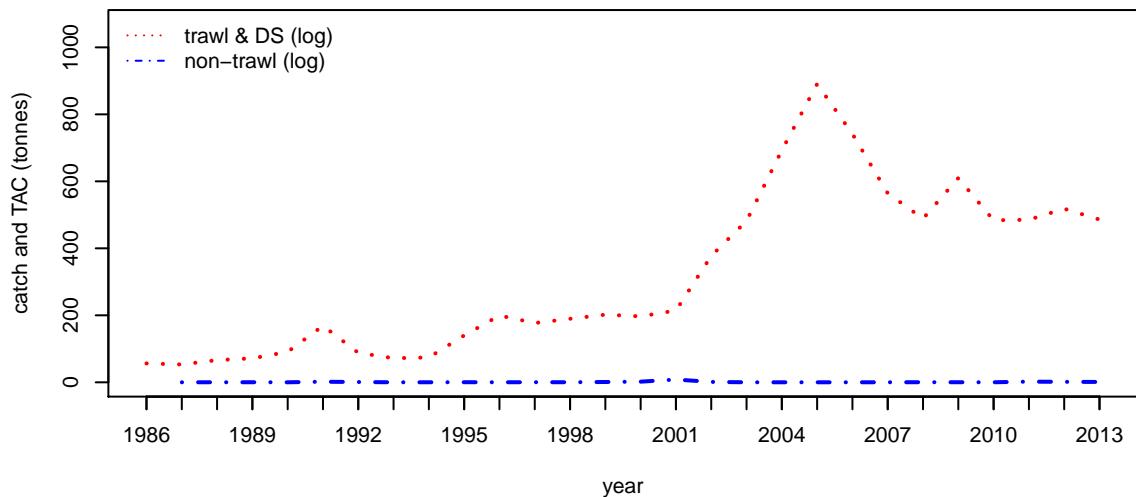
## Port length data



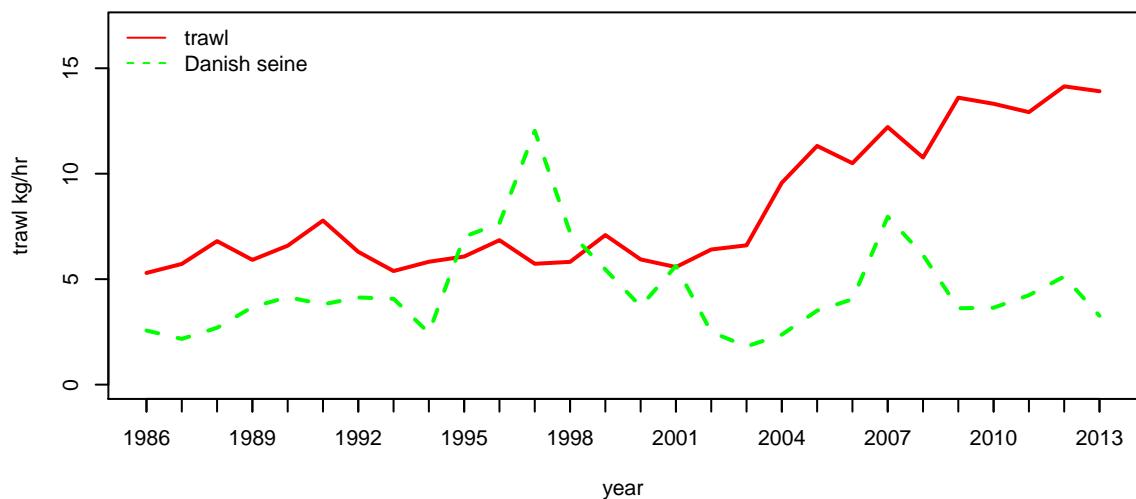
# Ocean Jackets

Sat Jul 19 14:56:07 2014  
region ALL unit code  
CAAB 37465006 37465000  
start month 1

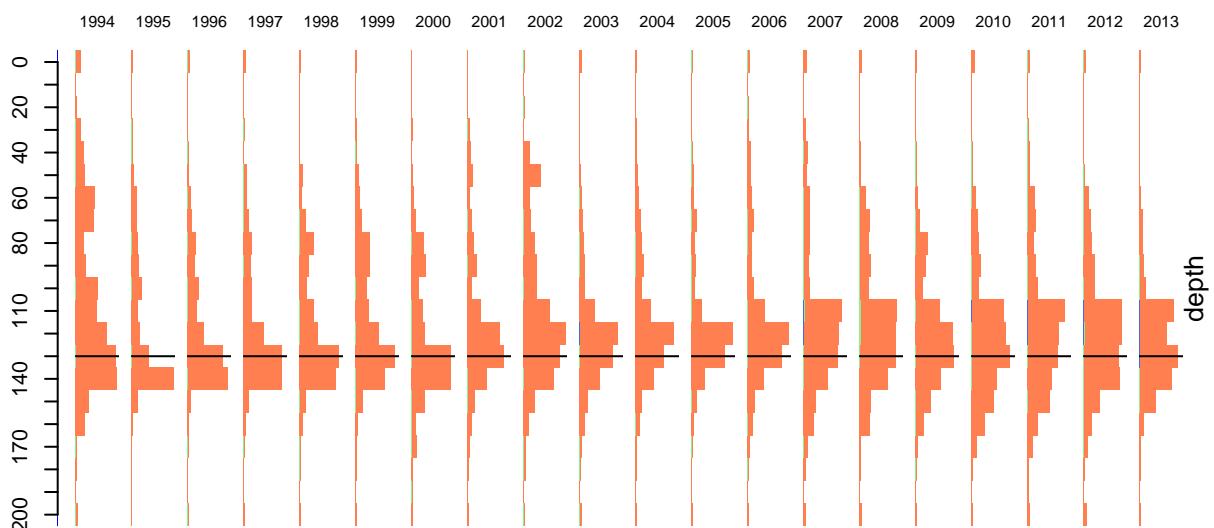
## TAC and landings



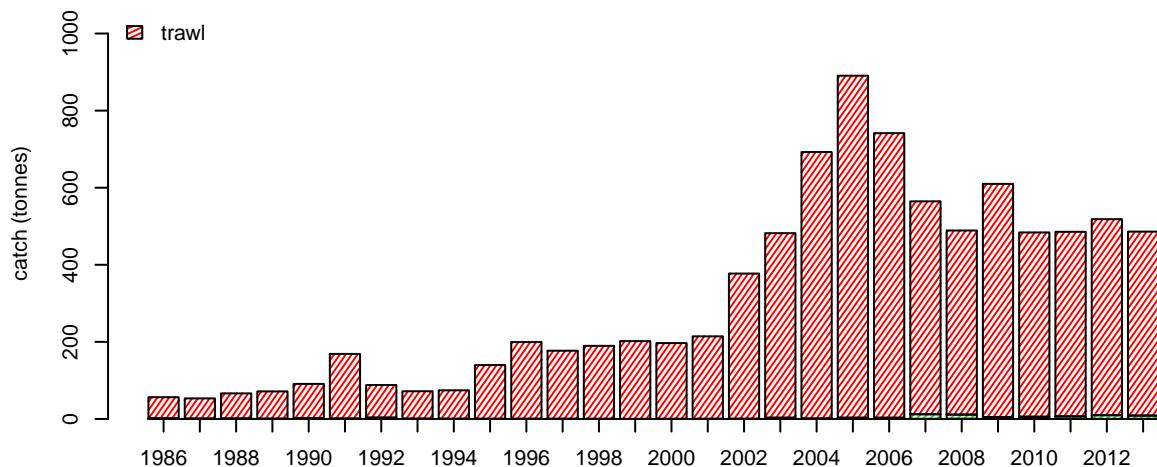
## Geometric mean CPUE



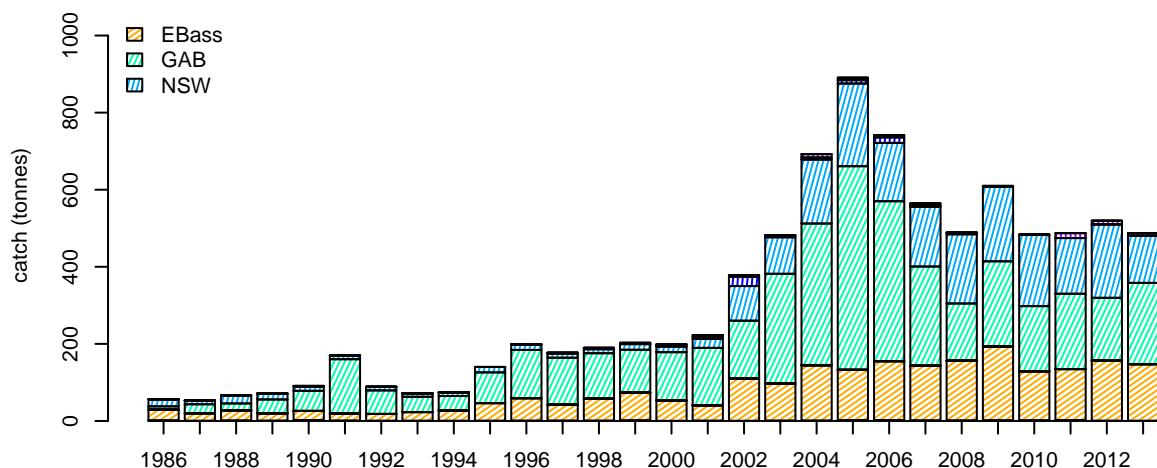
## Catch at depth



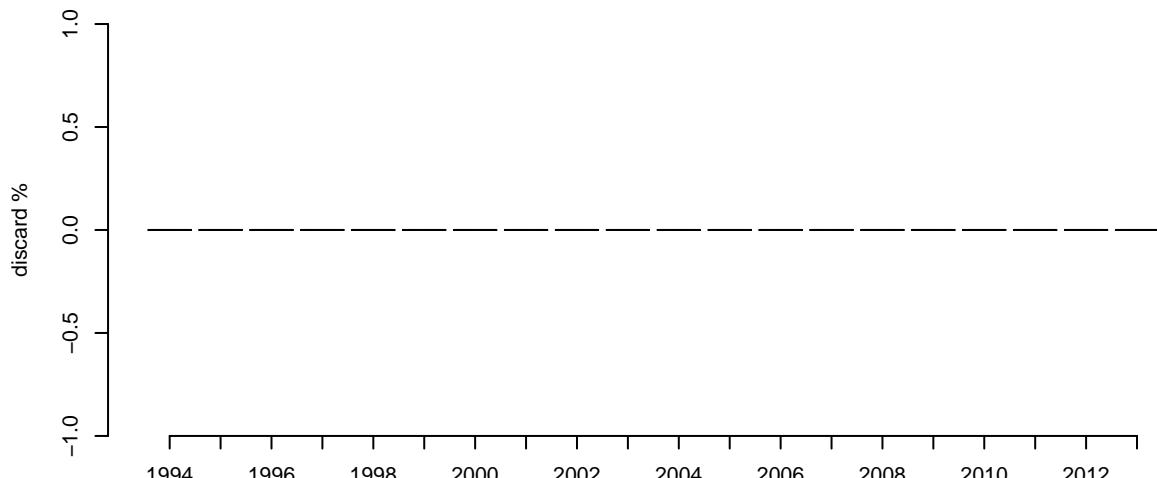
## Catch by gear



## Catch by zone



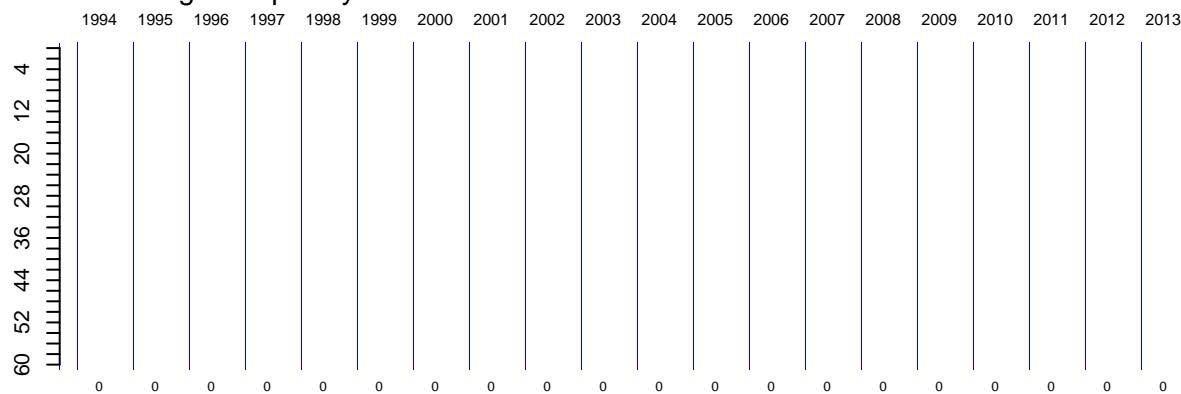
## Discards



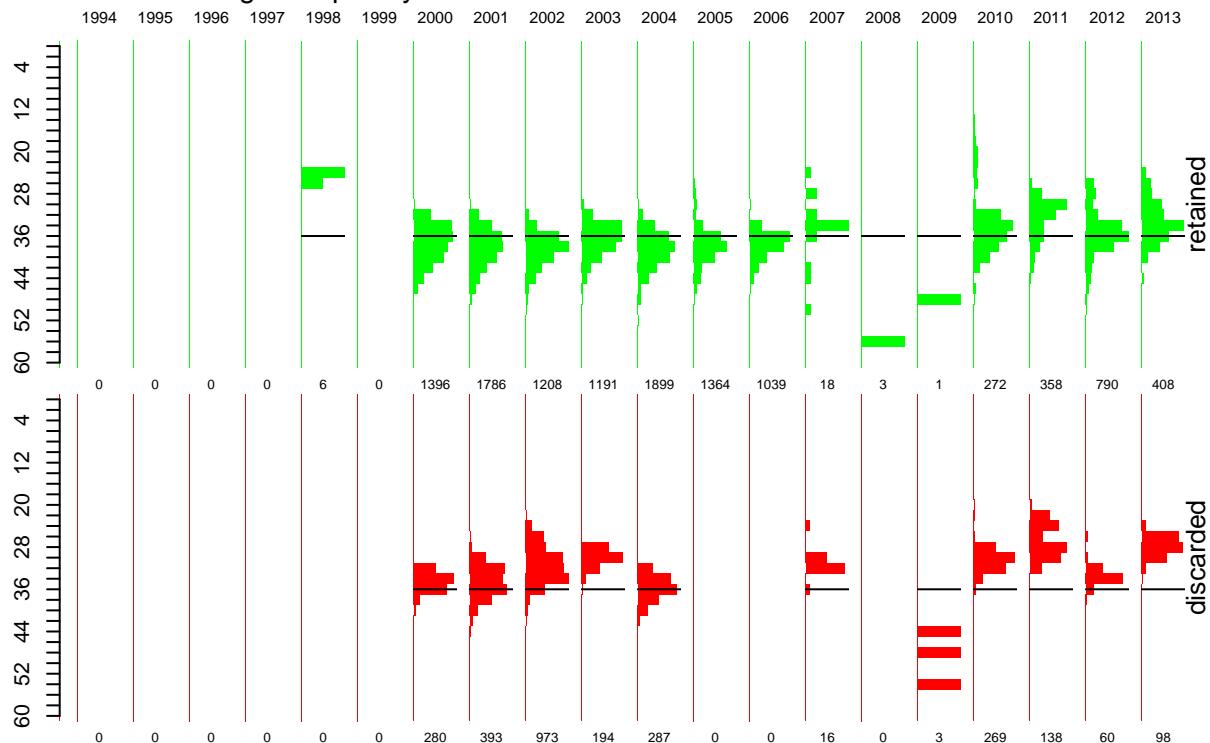
# Ocean Jackets

Sat Jul 19 14:56:25 2014

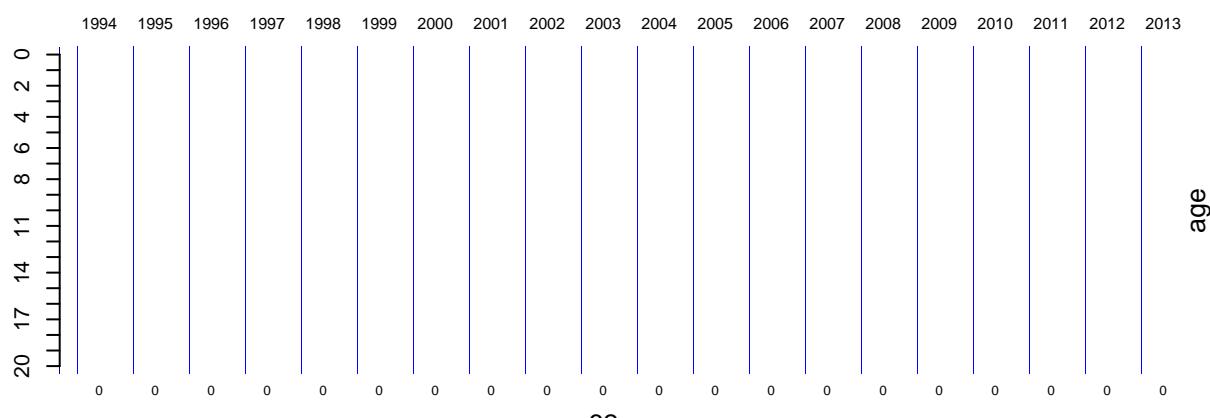
## Port length frequency



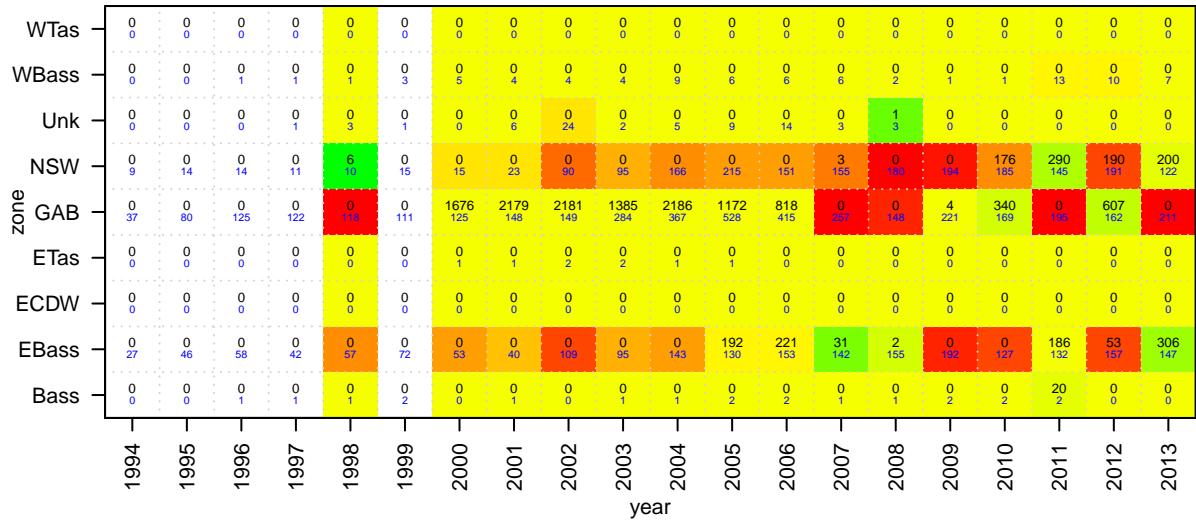
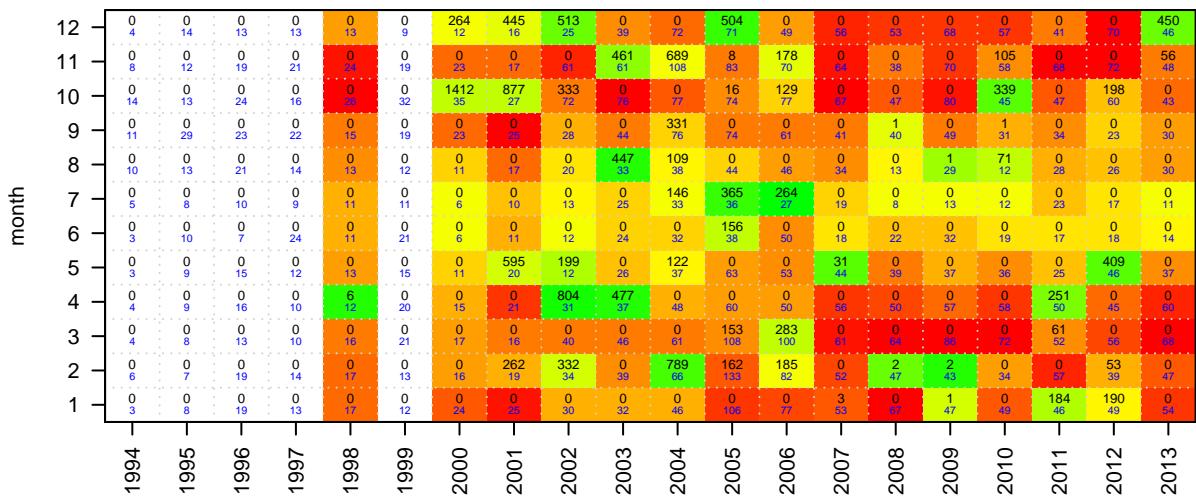
## Onboard length frequency



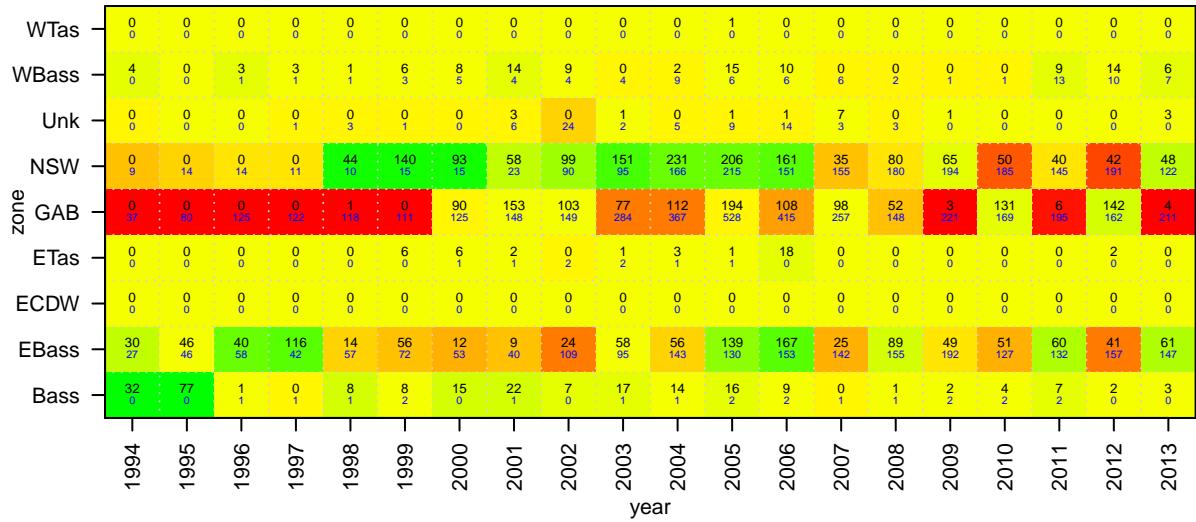
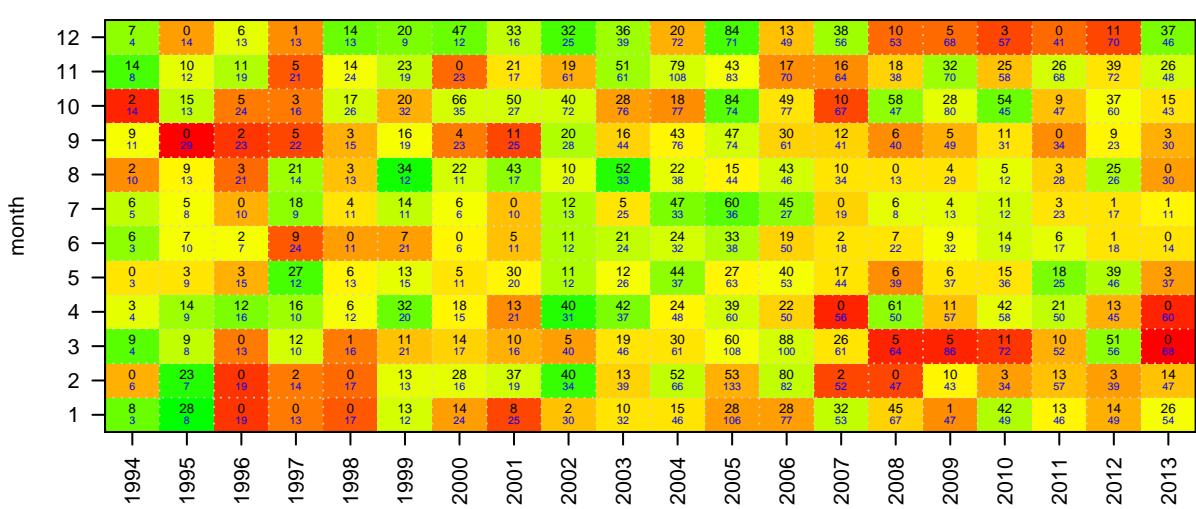
## Age frequency



## Onboard length data



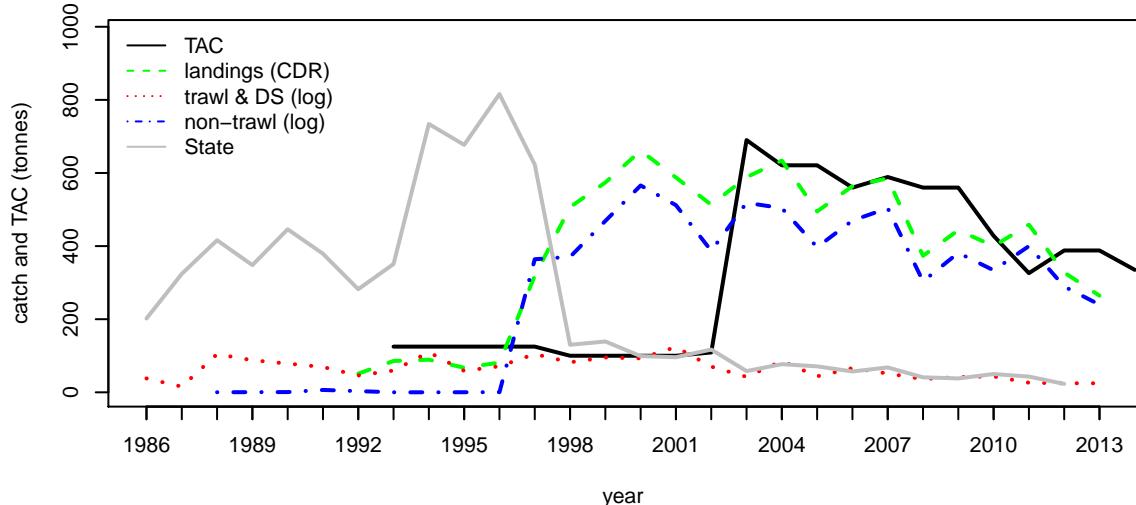
## Onboard discard weight data



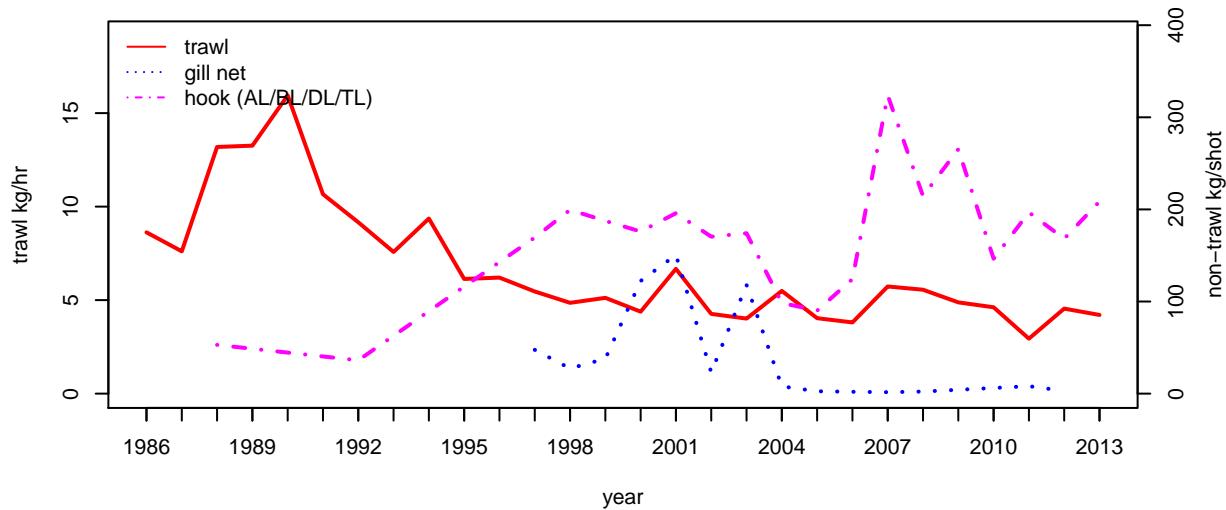
# Blue-eye Trevalla

Sat Jul 19 14:58:10 2014  
 region SEF unit code TBE  
 CAAB 37445014 37445001  
 start month 1

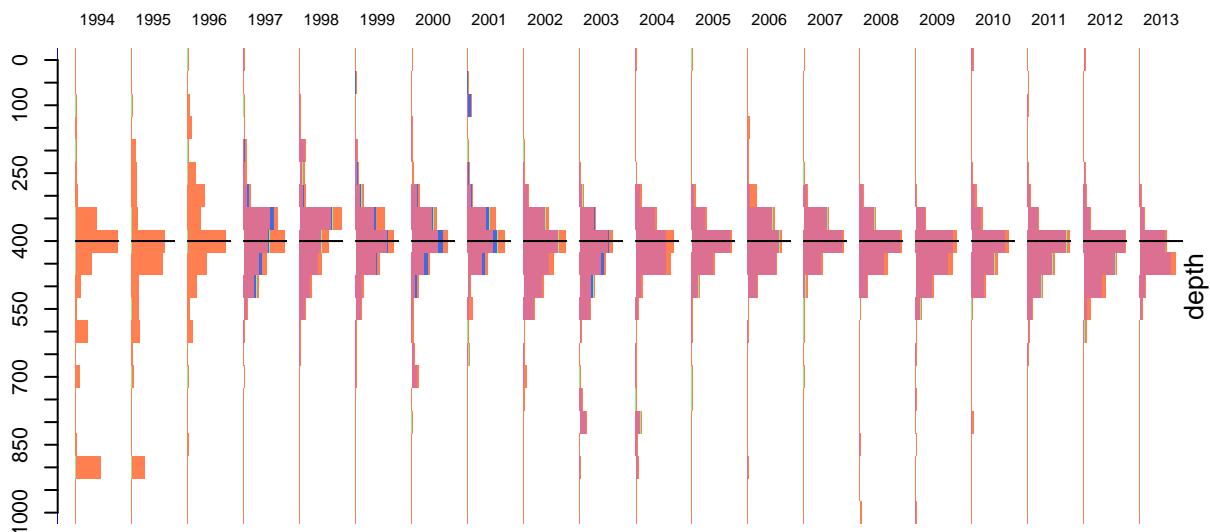
## TAC and landings



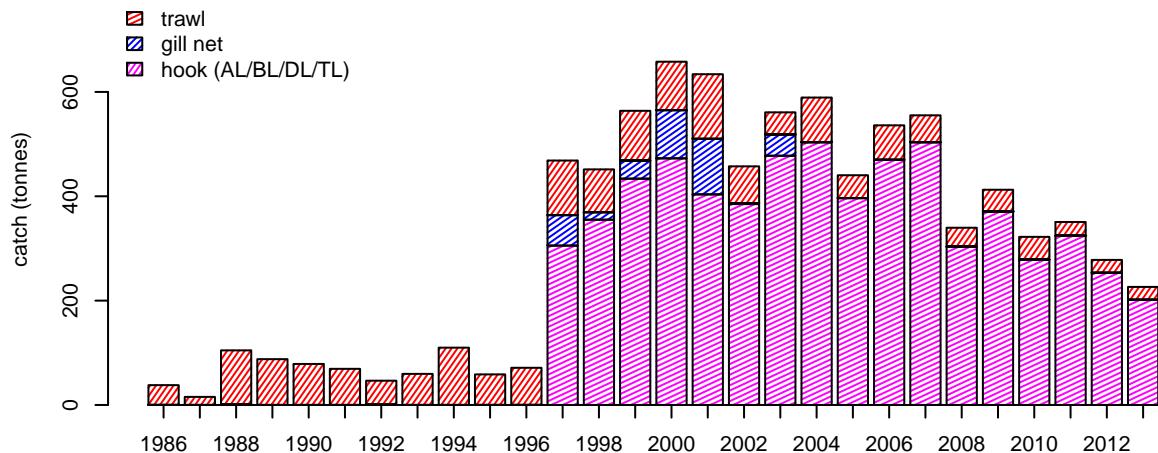
## Geometric mean CPUE



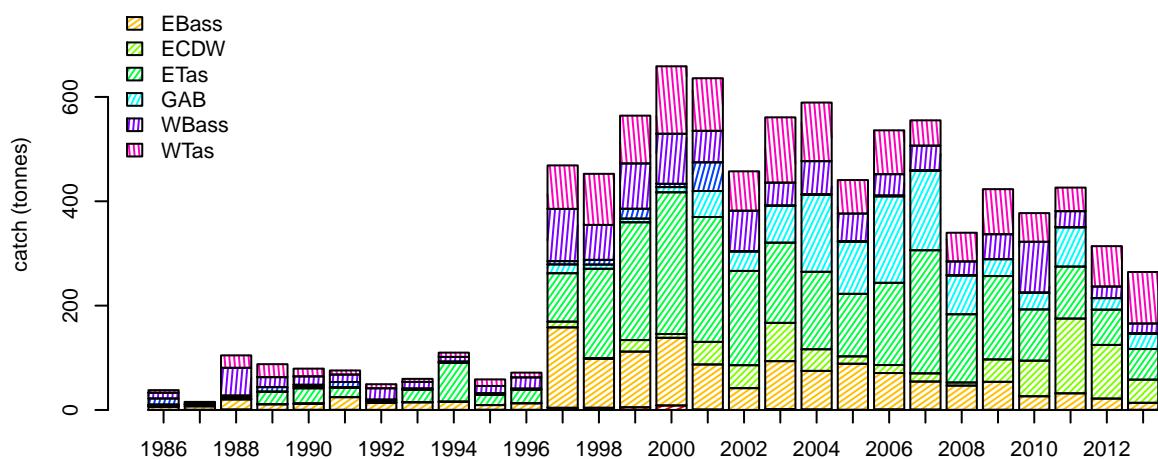
## Catch at depth



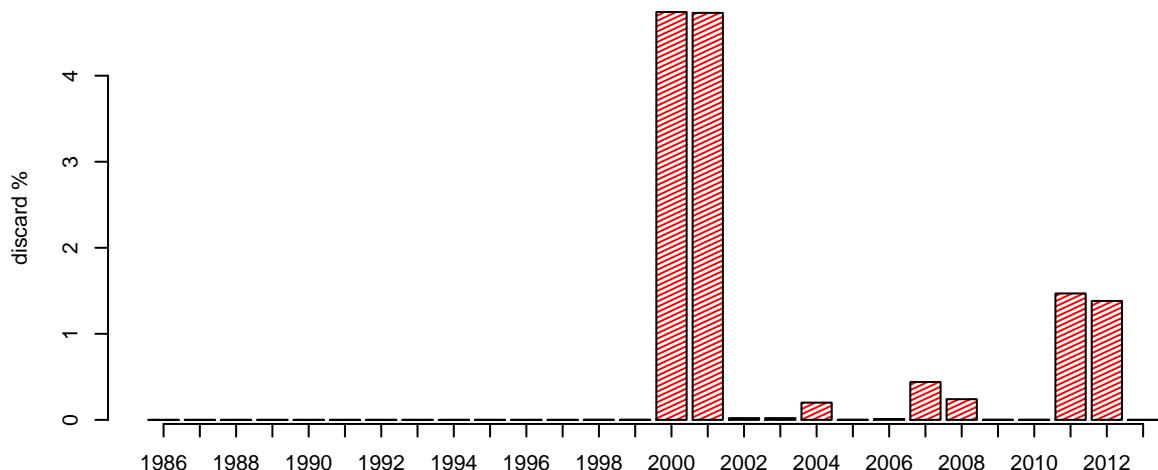
## Catch by gear



## Catch by zone



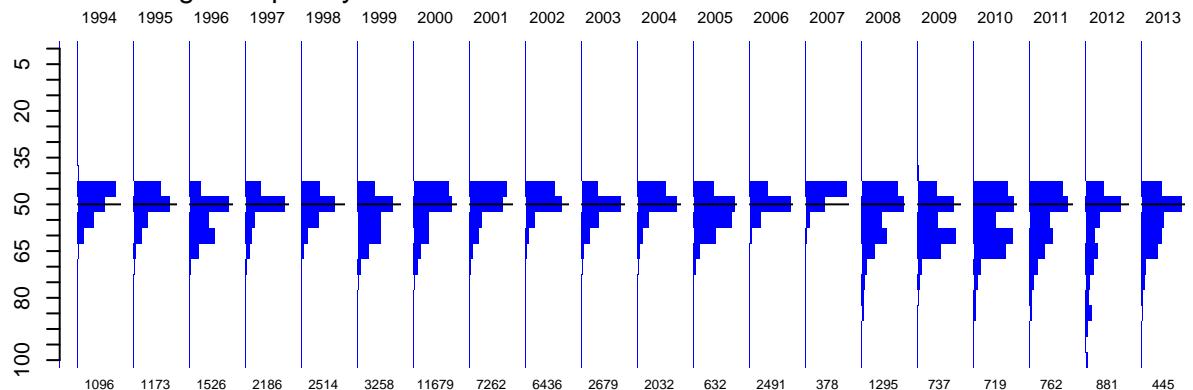
## Discards



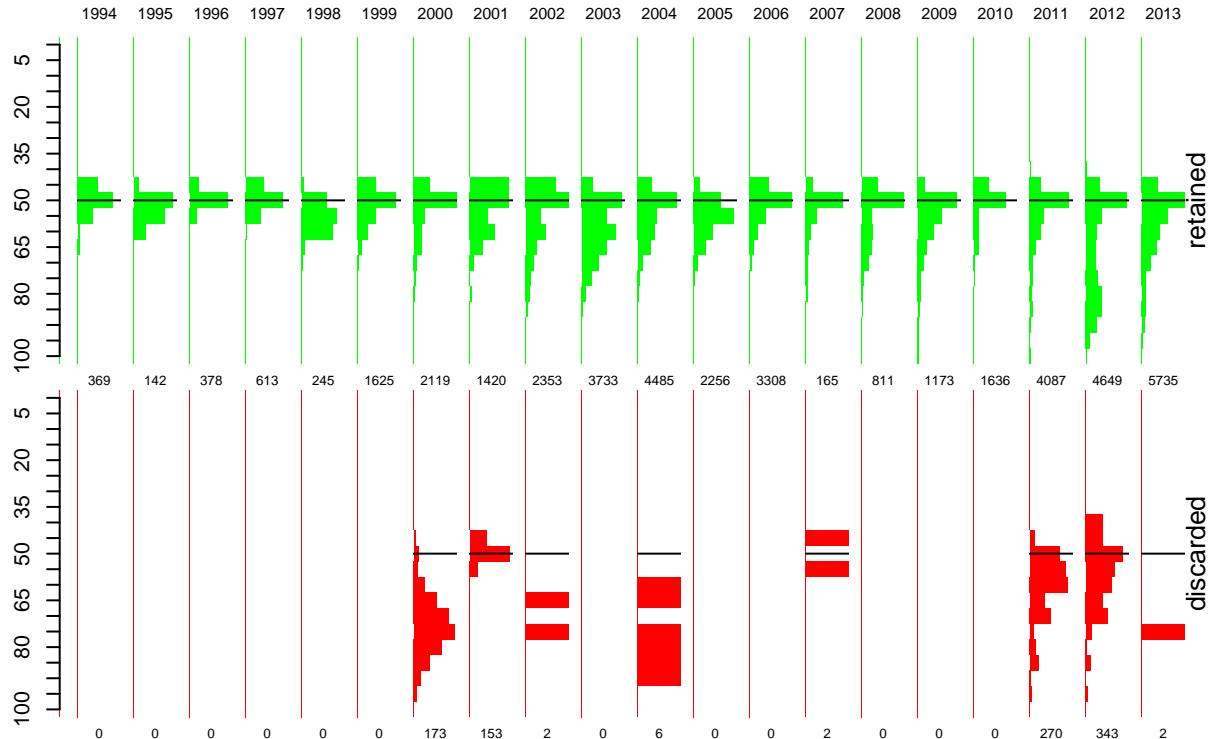
# Blue-eye Trevalla

Sat Jul 19 14:58:23 2014

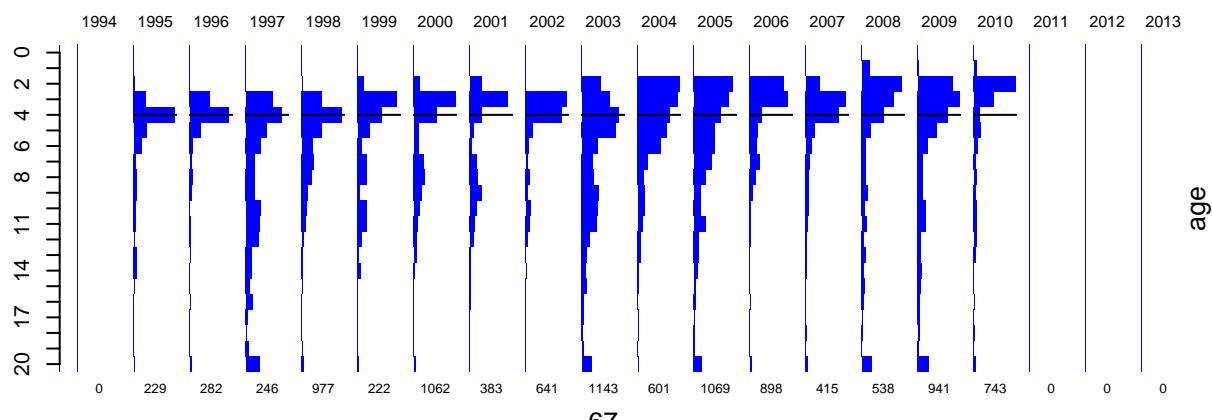
## Port length frequency



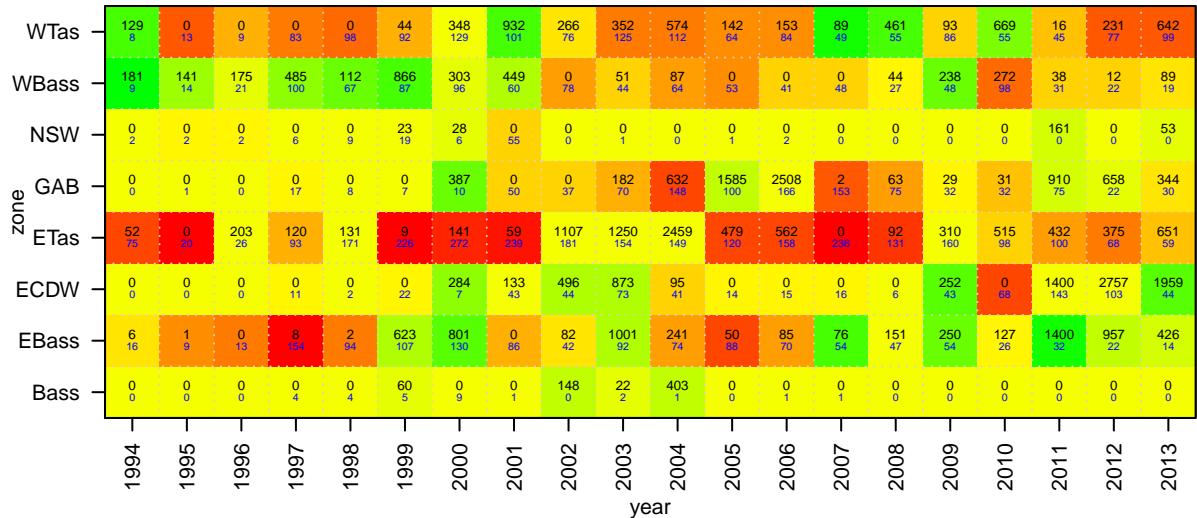
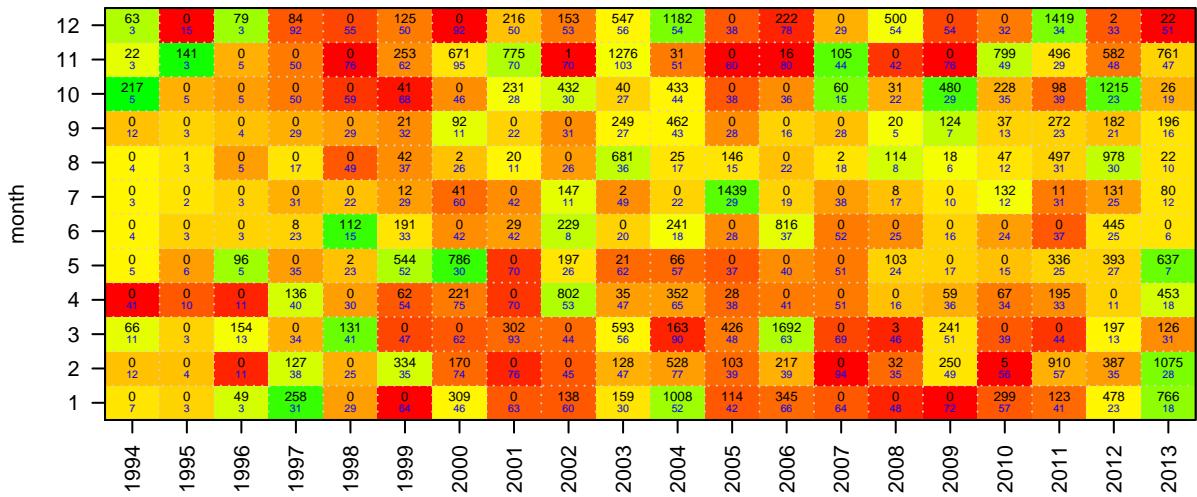
## Onboard length frequency



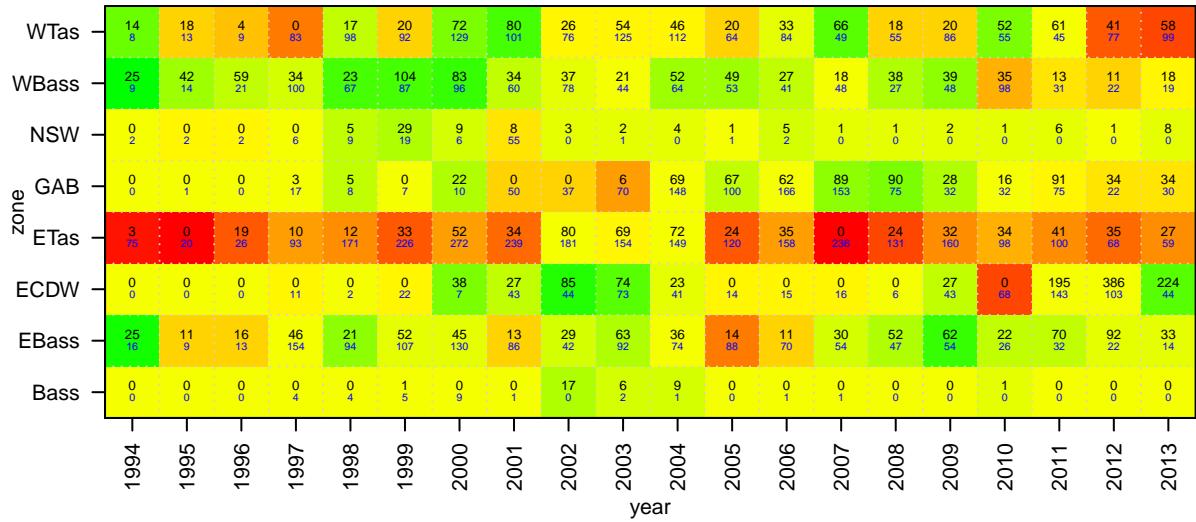
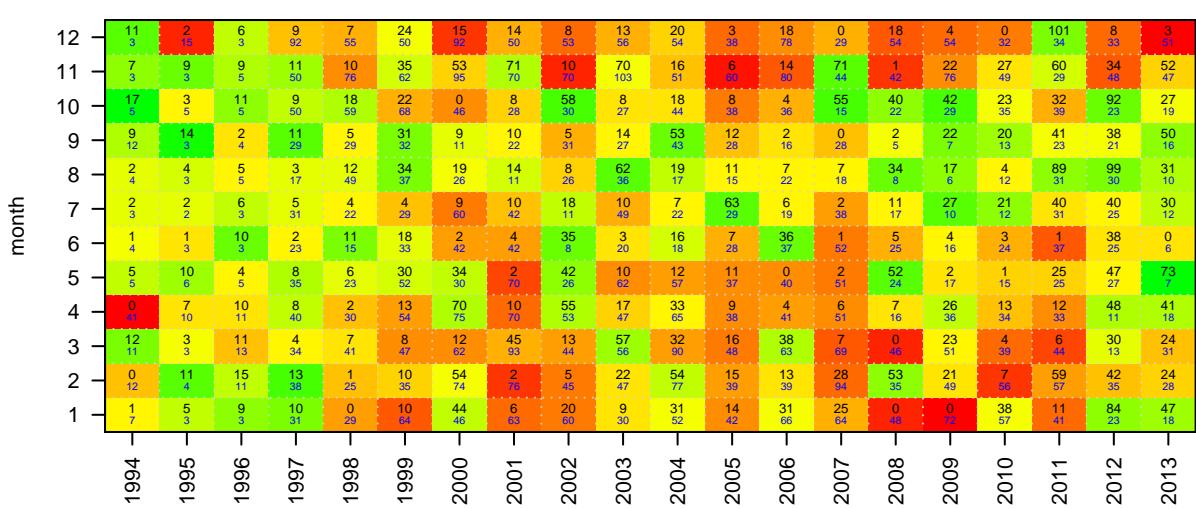
## Age frequency



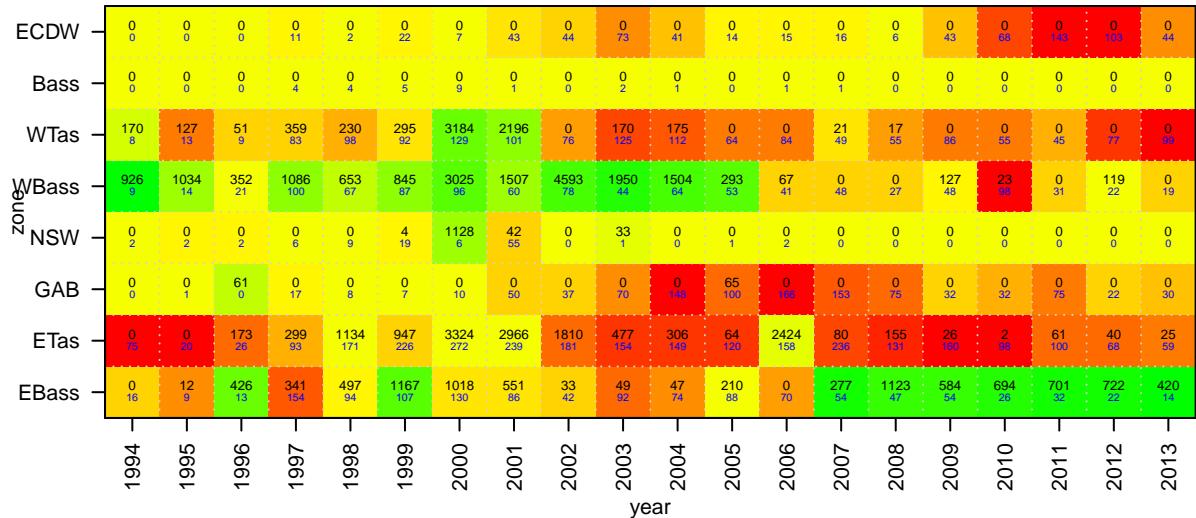
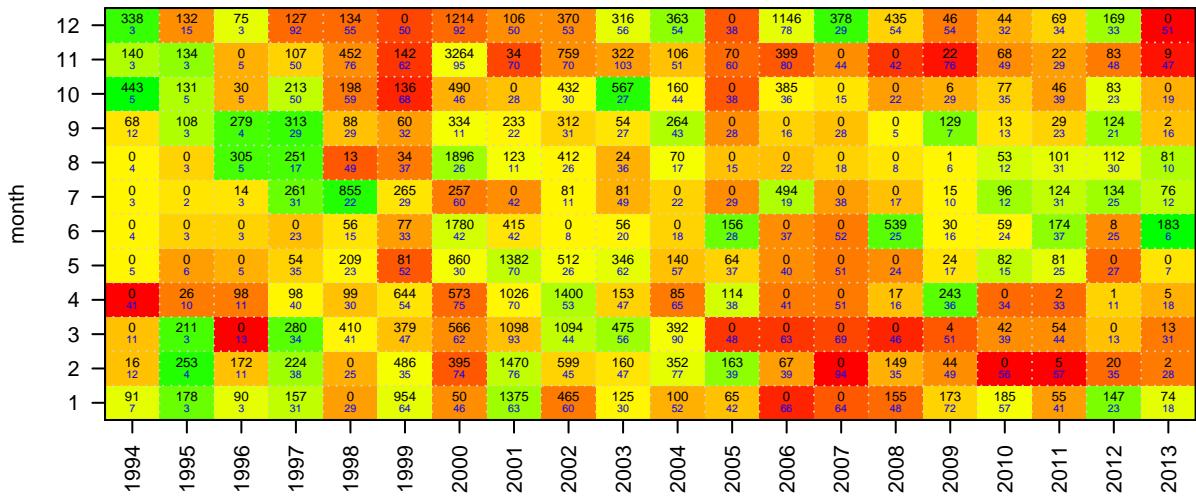
## Onboard length data



## Onboard discard weight data



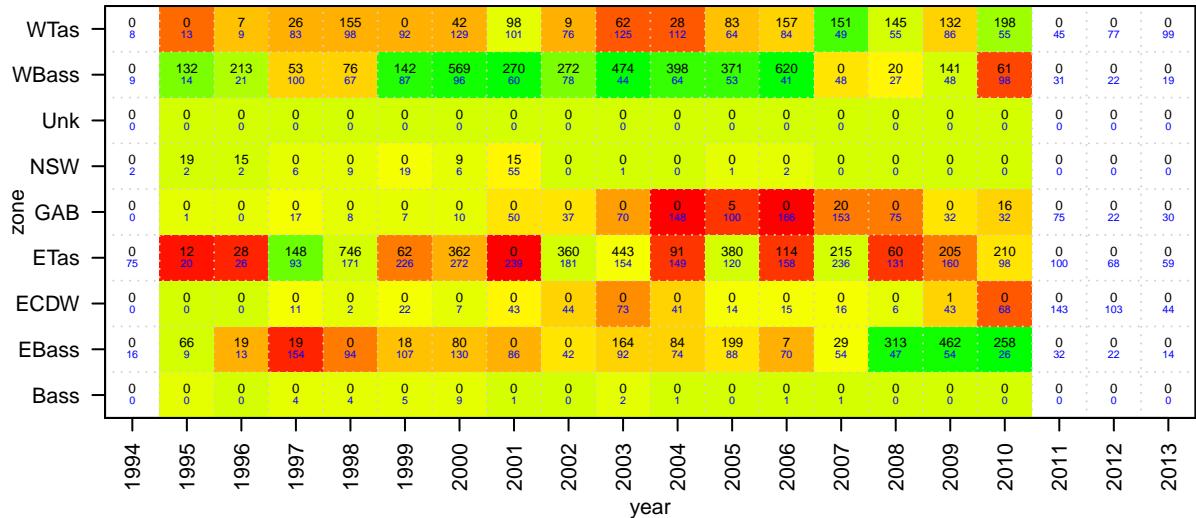
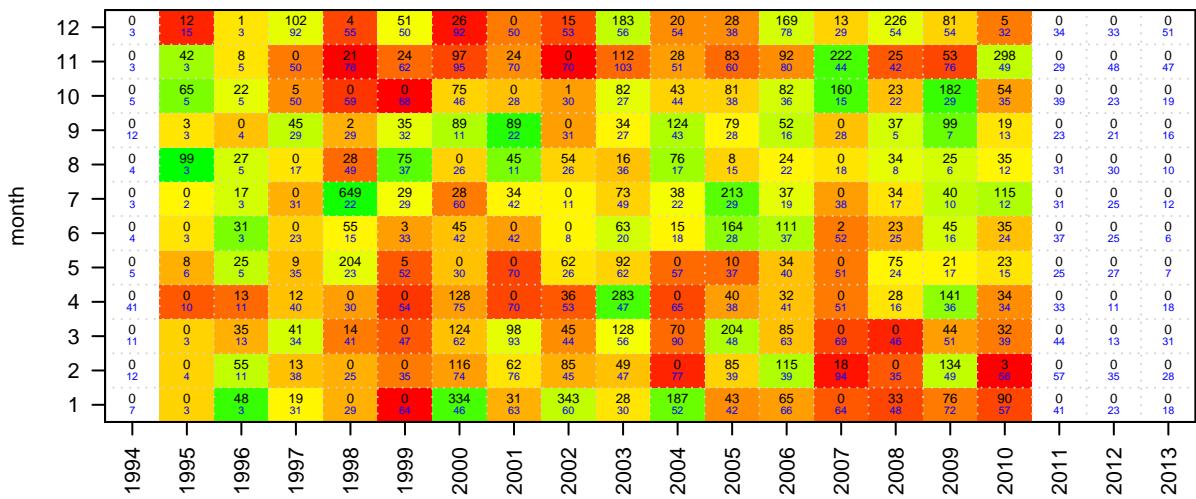
## Port length data



# Blue-eye Trevalla

Sat Jul 19 14:58:39 2014

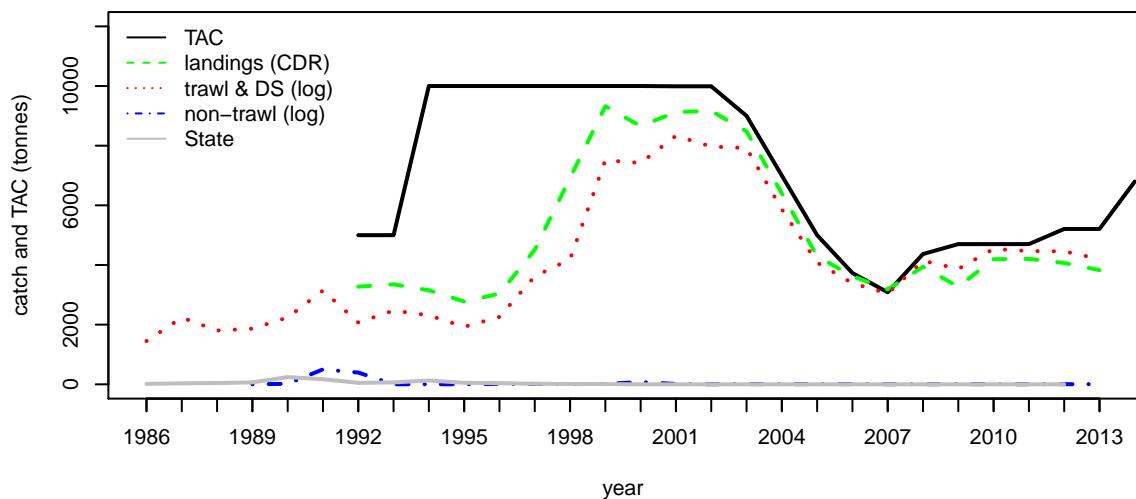
## Age data



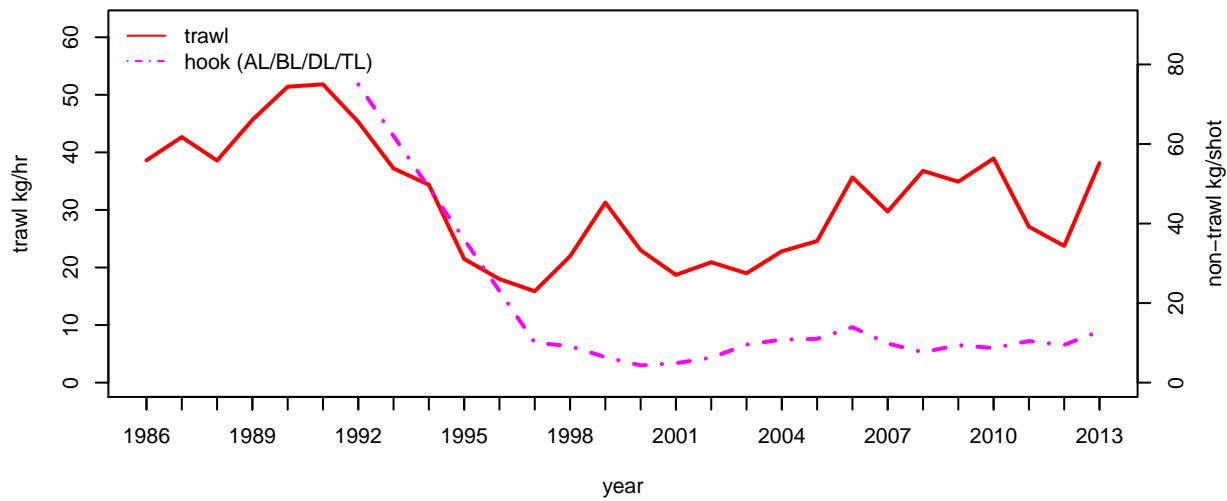
# Blue Grenadier

Sat Jul 19 15:09:07 2014  
region SET unit code GRE  
CAAB 37227001  
start month 1

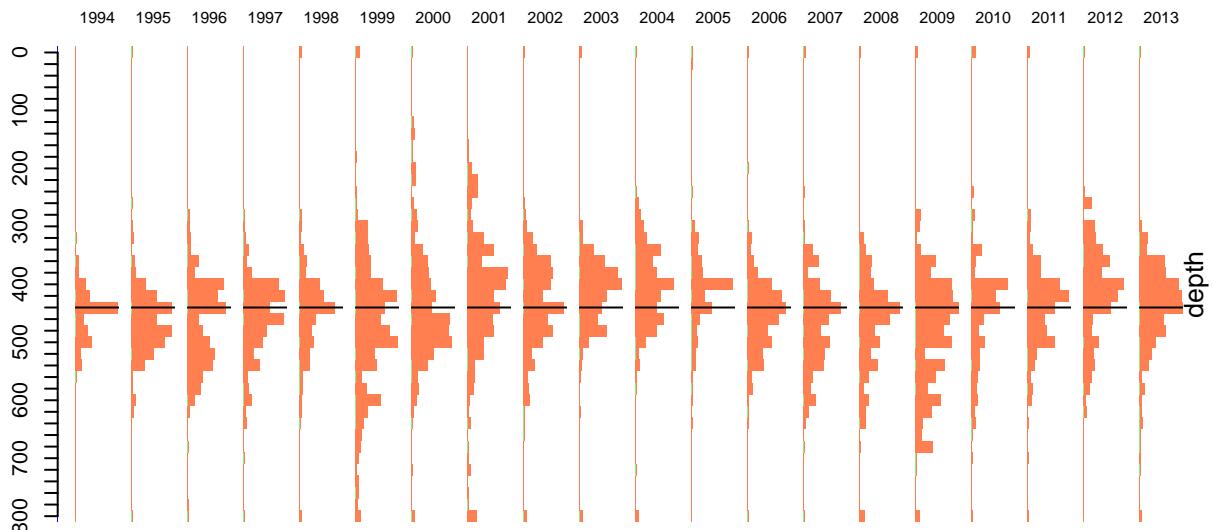
## TAC and landings



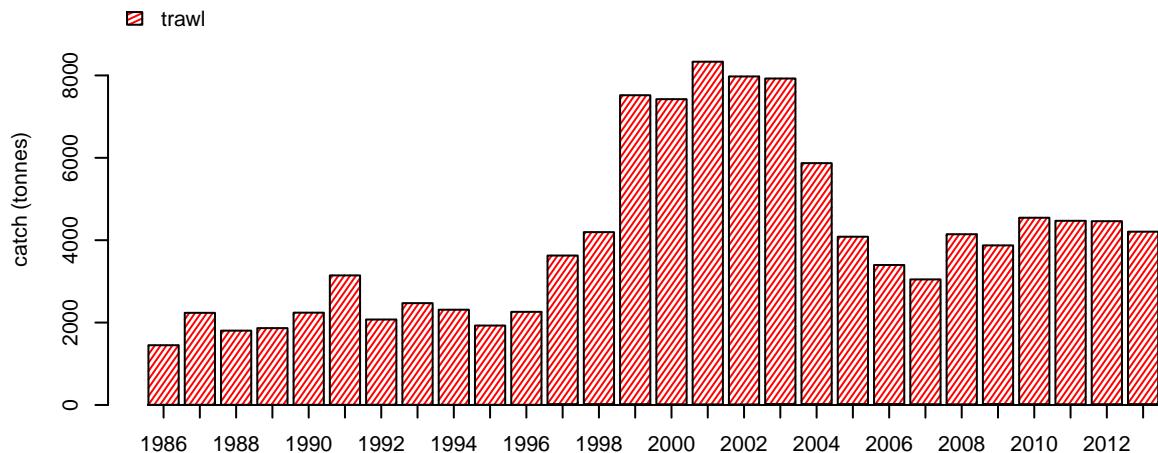
## Geometric mean CPUE



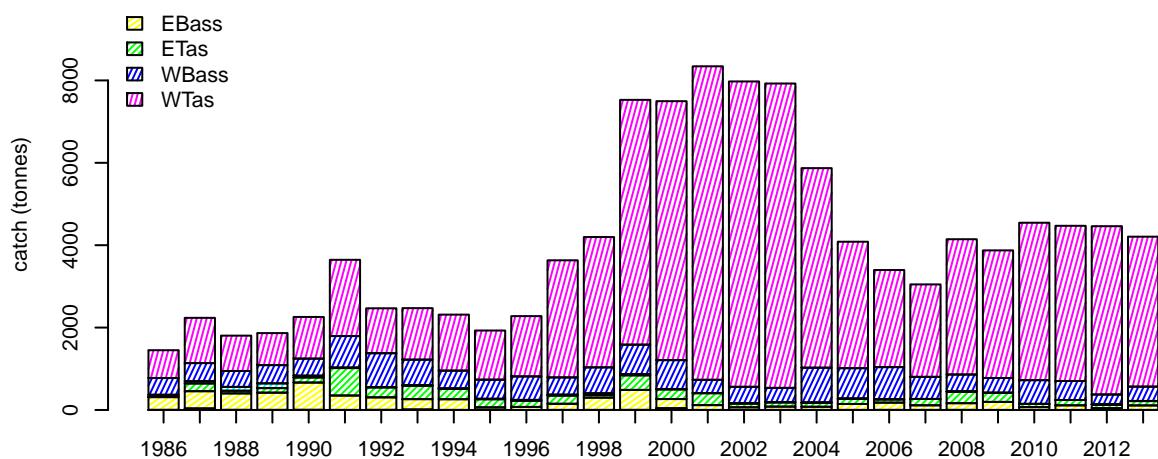
## Catch at depth



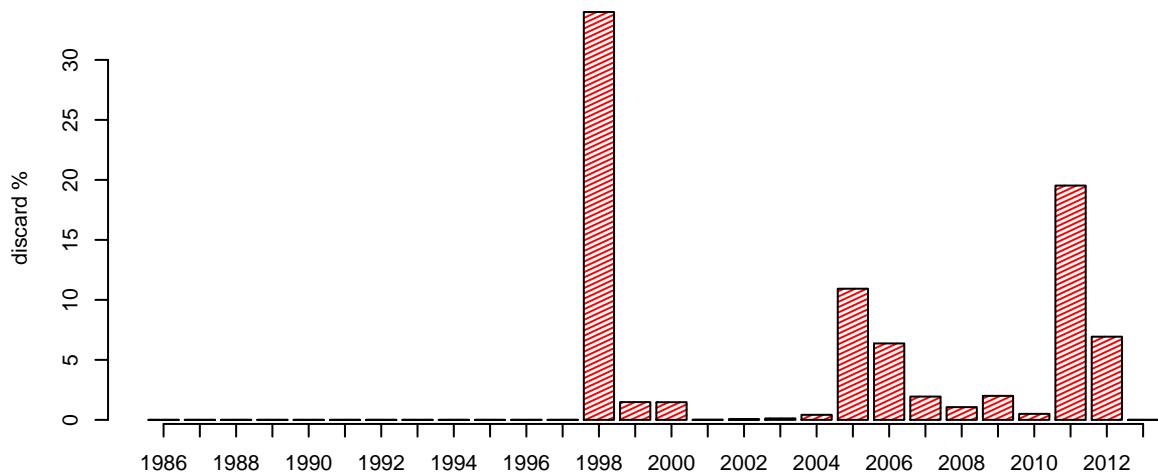
## Catch by gear



## Catch by zone



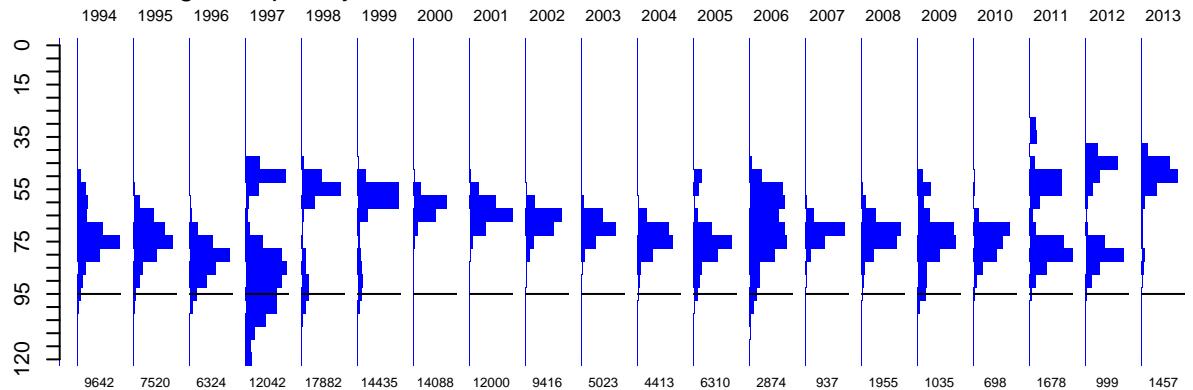
## Discards



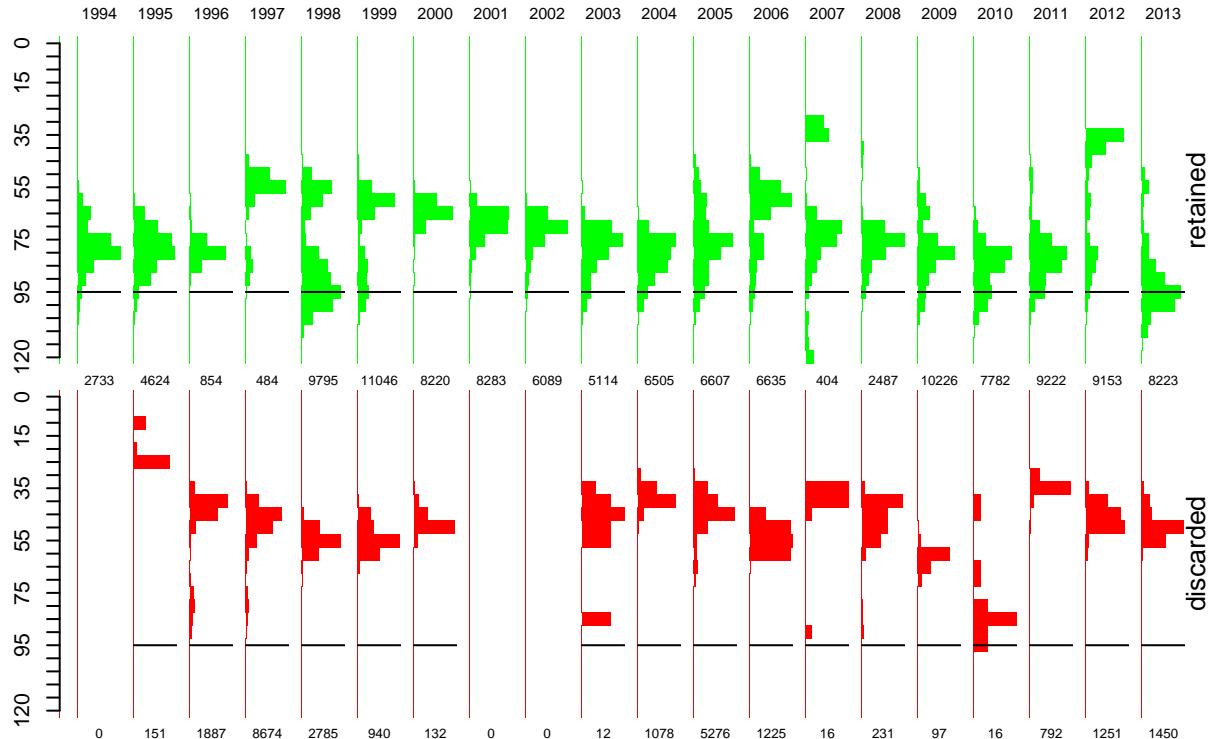
# Blue Grenadier

Sat Jul 19 15:09:43 2014

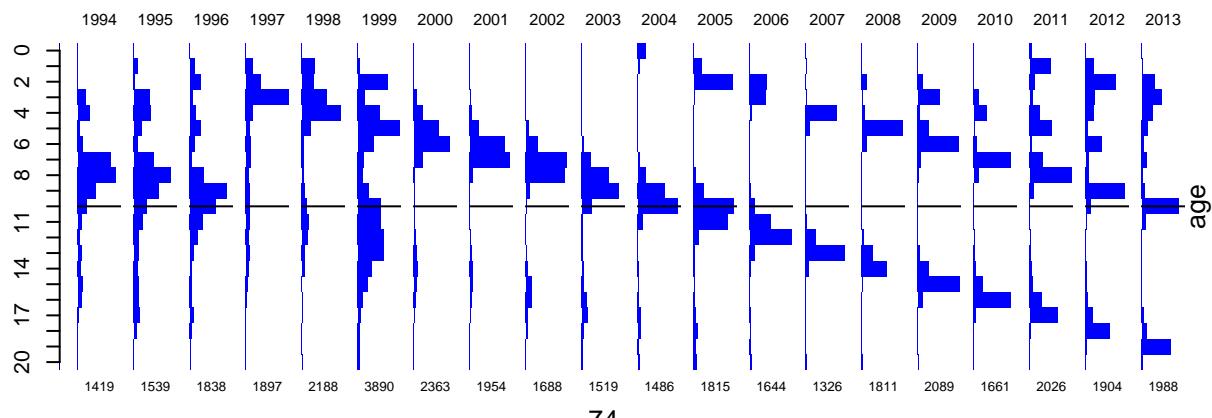
## Port length frequency



## Onboard length frequency



## Age frequency



## Onboard length data

month

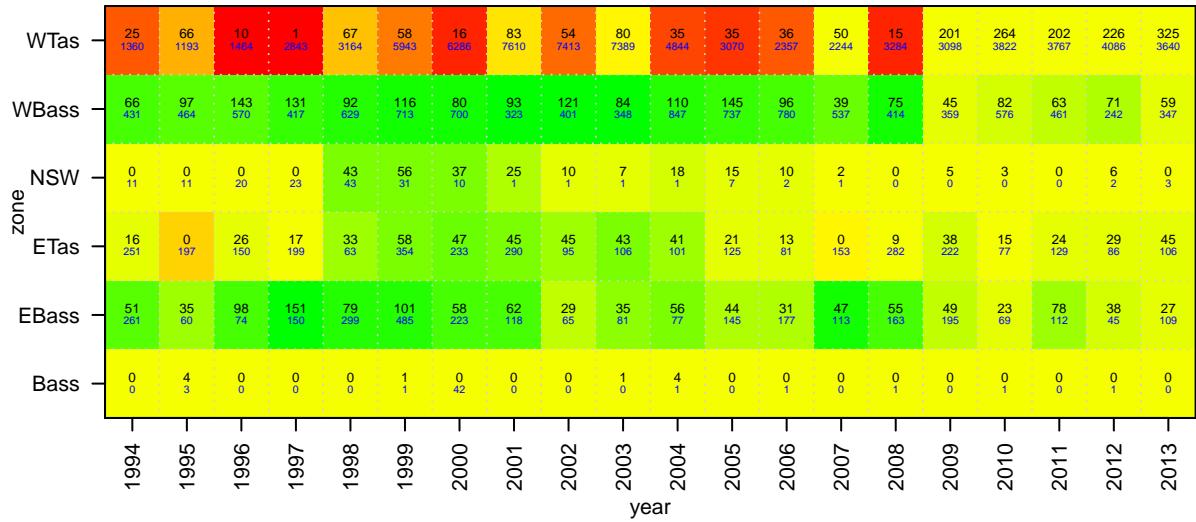
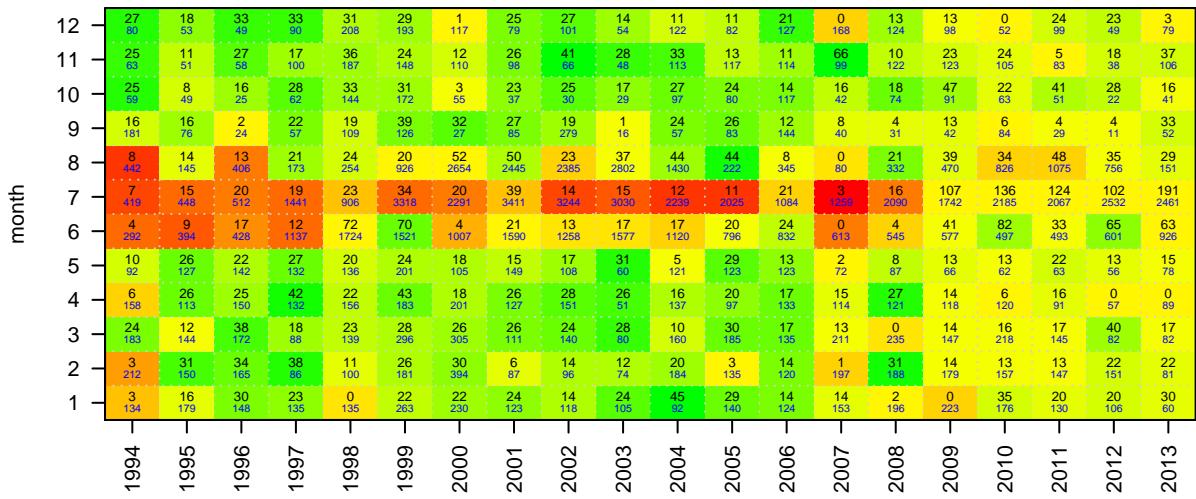
12	393 80	0	484 53	639 90	1140 208	0	193 117	291 79	485 101	488 54	109 122	380 82	401 127	0	168 124	165 124	0	480 52	387 49	216 79	
11	537 63	0	1058 51	0	1201 100	1282 157	901 148	1235 110	907 98	203 48	1508 111	652 534	0	245 114	0	85 122	212 123	62 63	628 38	602 106	
10	679 59	155 49	425 25	897 62	1345 144	485 172	76 55	237 37	117 36	701 29	779 97	13 80	1279 117	13 144	28 42	159 128	401 42	81 51	22 22	195 41	
9	135 181	53 70	0 24	461 109	409 120	566 149	149 55	421 405	0 16	326 57	722 279	351 16	0 0	0 0	127 31	1 40	48 31	220 29	449 11	220 449	
8	0 442	0 145	0 408	0 173	1125 254	844 926	577 2054	2172 245	637 2385	2678 2802	1678 1430	1145 345	0 345	0 772	1184 332	1112 470	2058 826	1674 1075	797 756	797 151	
7	367 419	284 449	0 513	81 144	945 906	1039 316	16 2291	468 3411	255 3244	304 3080	364 2289	762 2025	859 1084	40 1299	592 545	5296 2090	3670 1742	4459 2185	3994 2632	3909 2461	
6	0 292	587 394	0 137	160 137	2302 1724	2569 1521	0 1007	179 1590	282 1258	256 1577	459 1120	497 832	180 796	0 63	0 613	0 545	1873 577	1323 497	1364 493	1299 601	1748 926
5	103 92	709 127	0 142	1374 132	579 136	0 201	0 105	333 149	306 108	111 60	306 121	960 121	0 72	0 87	0 66	0 62	325 62	149 63	235 56	217 78	
4	0 158	774 113	0 150	2864 132	1163 156	1163 183	1398 201	664 127	758 151	83 51	233 137	1384 97	1185 133	1 114	83 121	154 118	30 120	116 91	0 57	0 89	
3	492 163	478 144	360 172	567 88	2064 139	1337 296	1958 305	1075 111	975 140	14 80	98 160	2368 199	1011 135	121 129	979 147	200 147	202 218	129 148	225 82	245 82	
2	26 212	1328 150	313 165	1430 86	305 100	1191 181	1465 87	153 96	0 105	23 105	1003 184	115 100	1894 129	0 197	264 188	10 179	434 157	207 147	1038 151	1084 81	
1	0 134	407 179	101 148	685 135	0 135	1510 230	1812 123	1055 118	962 105	265 92	720 149	160 124	220 153	0 196	0 223	0 223	330 176	541 130	337 106	210 60	

Zone

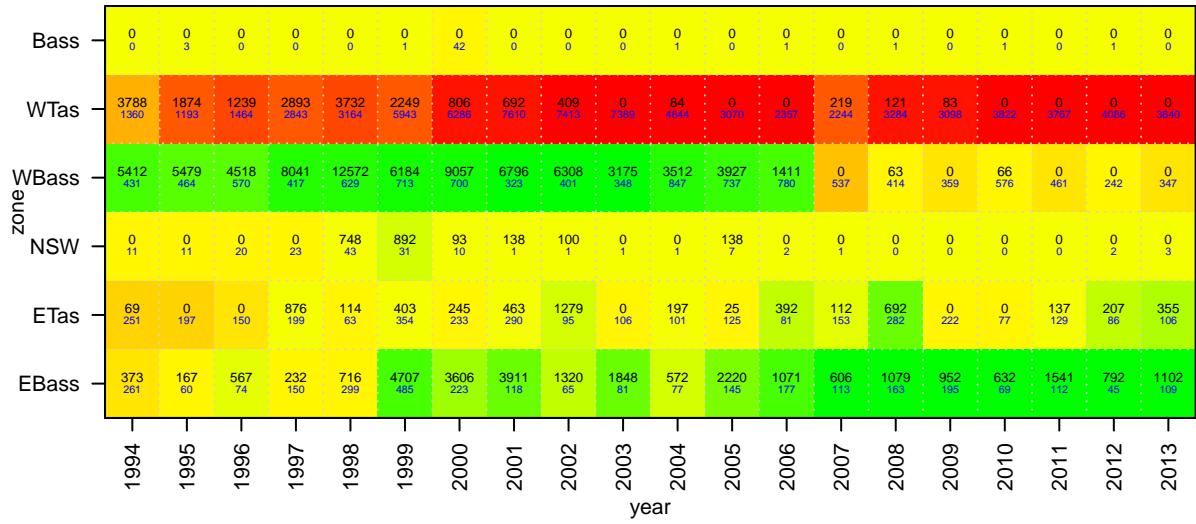
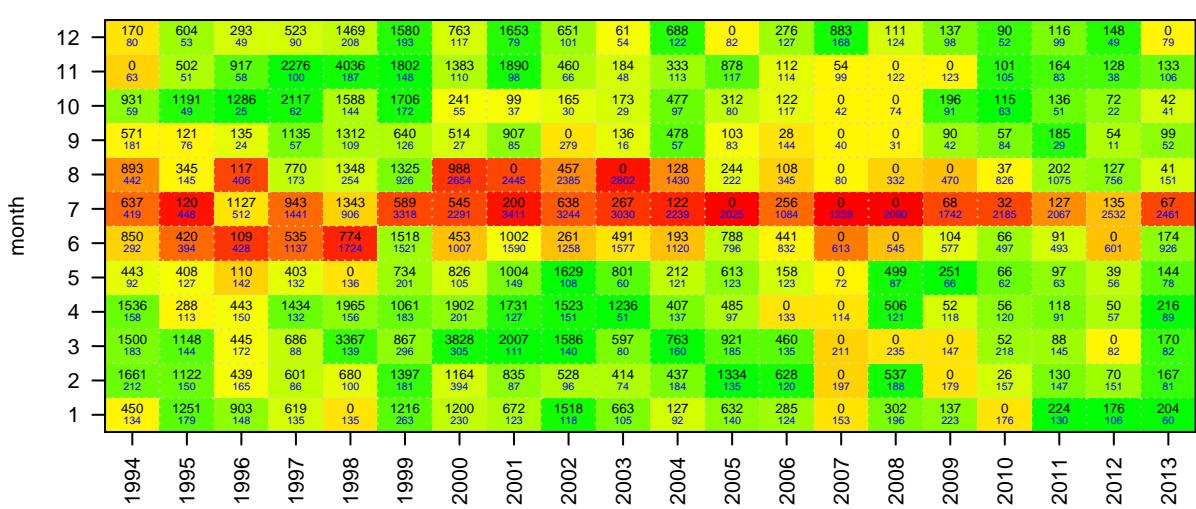
WTas	748 1360	1706 1193	0 1464	0 2643	3532 3164	2577 5943	593 6288	3199 7610	1396 7413	2572 7389	868 4844	2340 3070	2265 2397	160 2244	659 3284	8941 3098	6126 3622	8111 3767	7588 4086	7957 3640
WBass	1348 431	2916 464	1910 570	7711 417	5205 629	5261 713	3564 700	2731 323	2944 401	2236 348	5271 847	7712 737	5335 780	0 537	1081 414	413 369	1455 578	937 461	1409 242	672 347
NSW	0 11	0 11	0 20	0 23	607 43	581 31	248 10	0 1	9 1	0 1	222 1	587 7	40 2	0 1	6 0	2 0	4 0	0 0	187 2	0 3
ETas	533 251	0 197	673 150	408 199	1647 63	1860 354	3514 233	2119 230	1564 95	260 106	455 101	465 125	1 81	0 153	596 282	727 222	42 77	172 129	528 86	236 106
EBass	103 261	58 60	158 74	1039 150	1589 299	1707 485	433 223	234 118	176 65	57 81	765 77	779 145	219 177	260 112	376 163	240 195	171 69	794 112	406 45	807 109
Bass	0 0	95 3	0 0	0 0	0 0	0 1	0 42	0 0	0 0	1 0	2 1	0 0	0 1	0 0	0 1	0 0	0 0	0 0	0 0	0 0

year

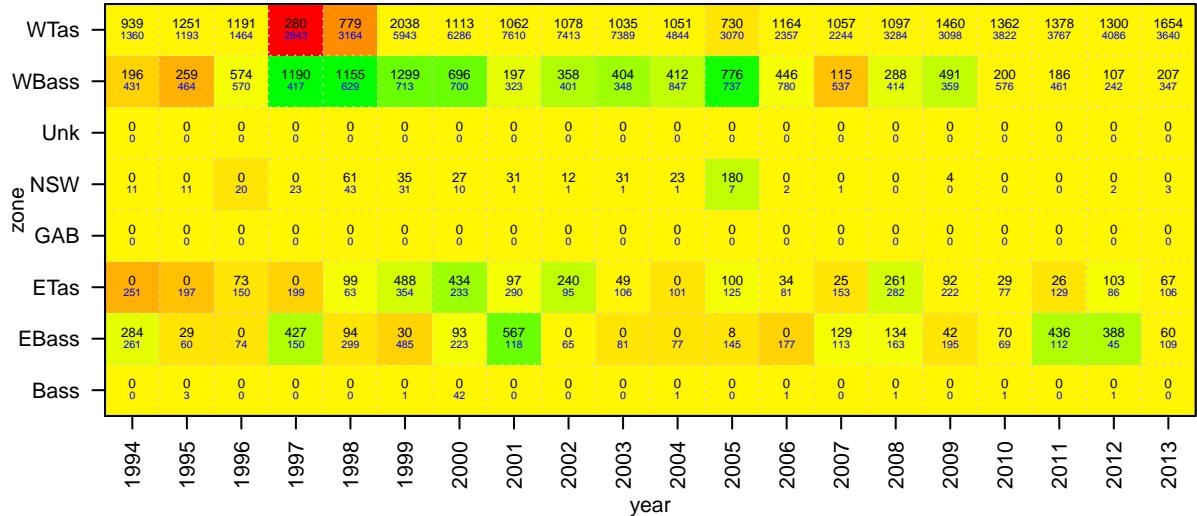
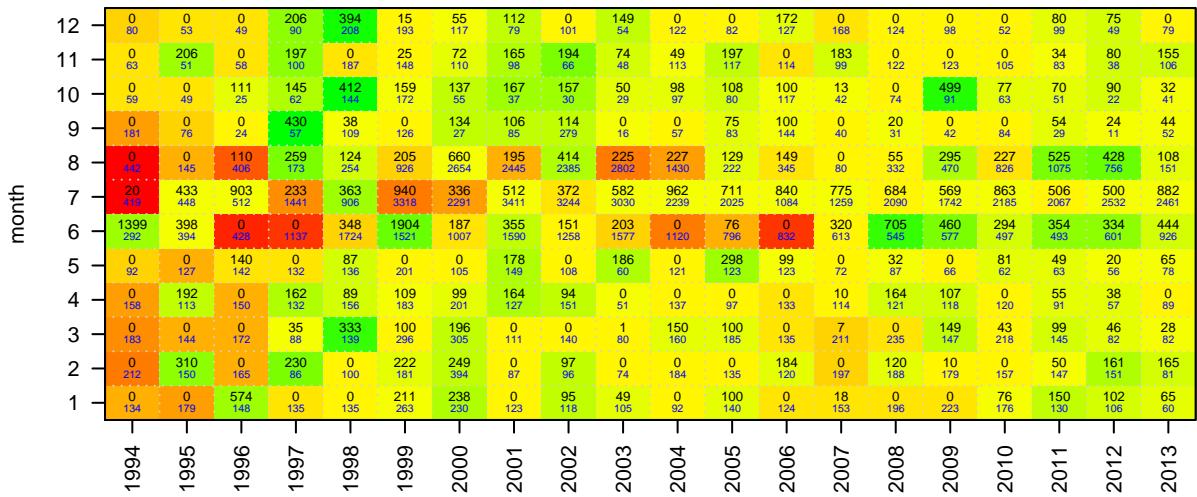
## Onboard discard weight data



## Port length data



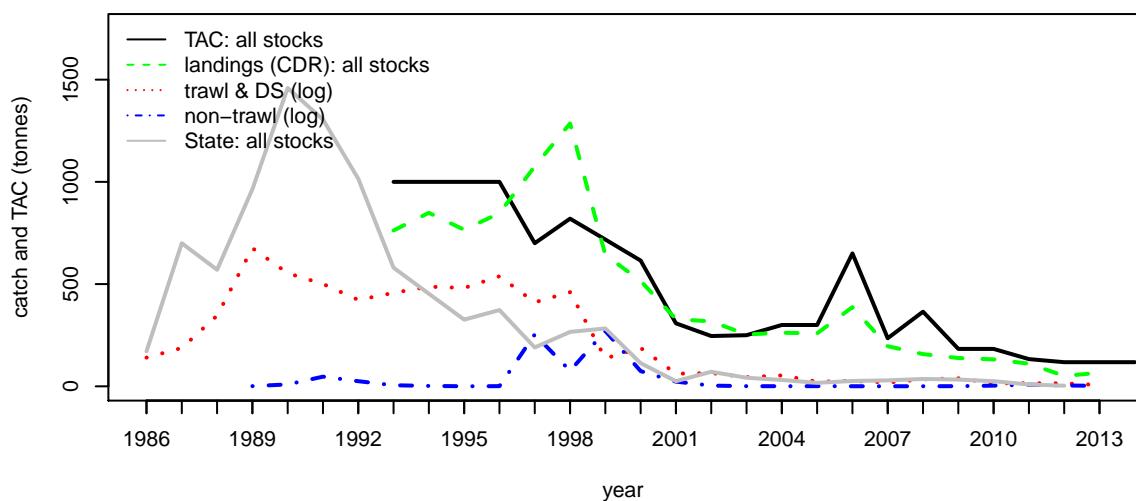
## Age data



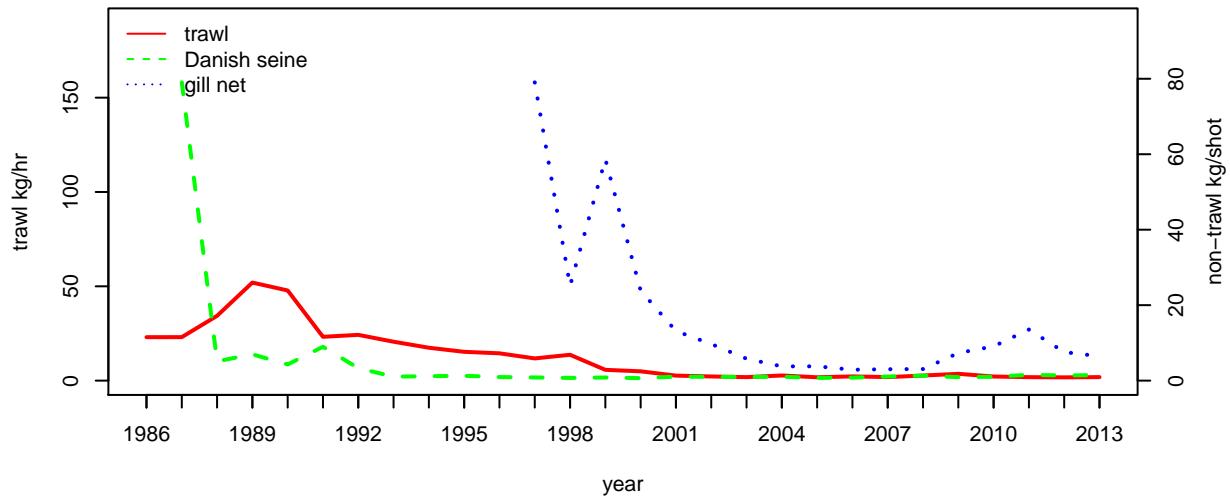
# Blue Warehou East

Sat Jul 19 15:12:53 2014  
 region SEFEAST unit code TRT  
 CAAB 37445005 91445005 92445005  
 start month 1

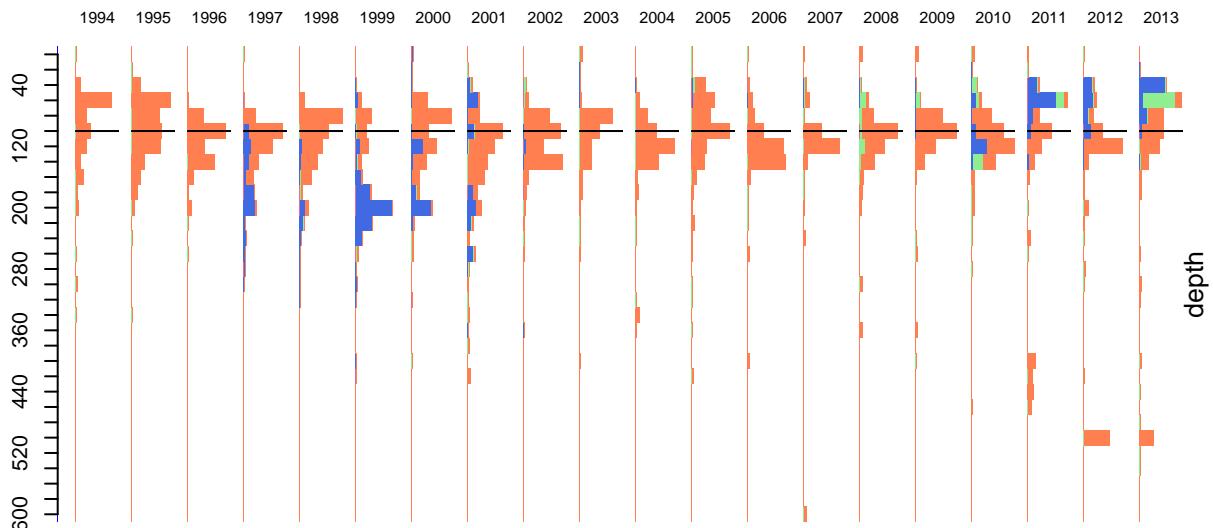
## TAC and landings



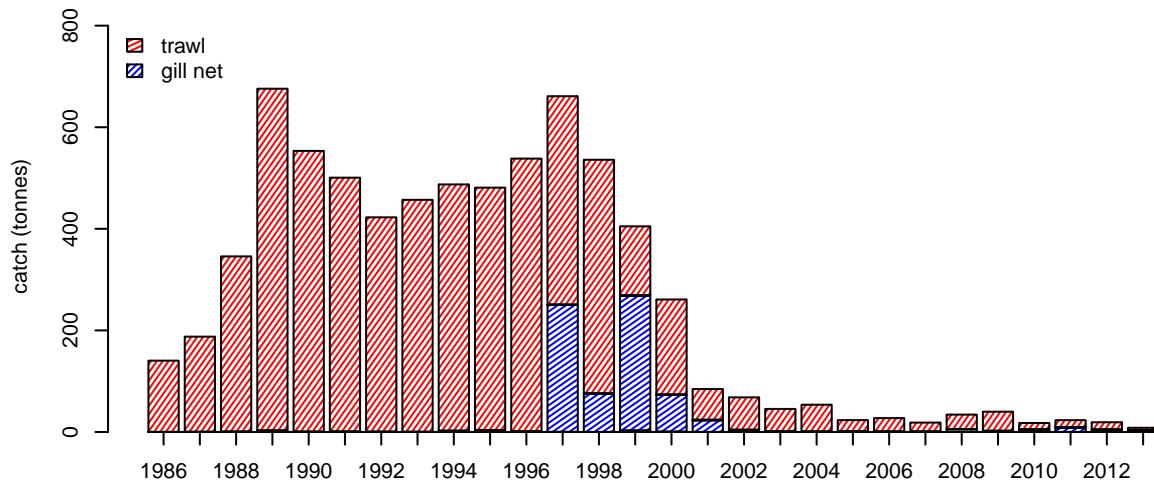
## Geometric mean CPUE



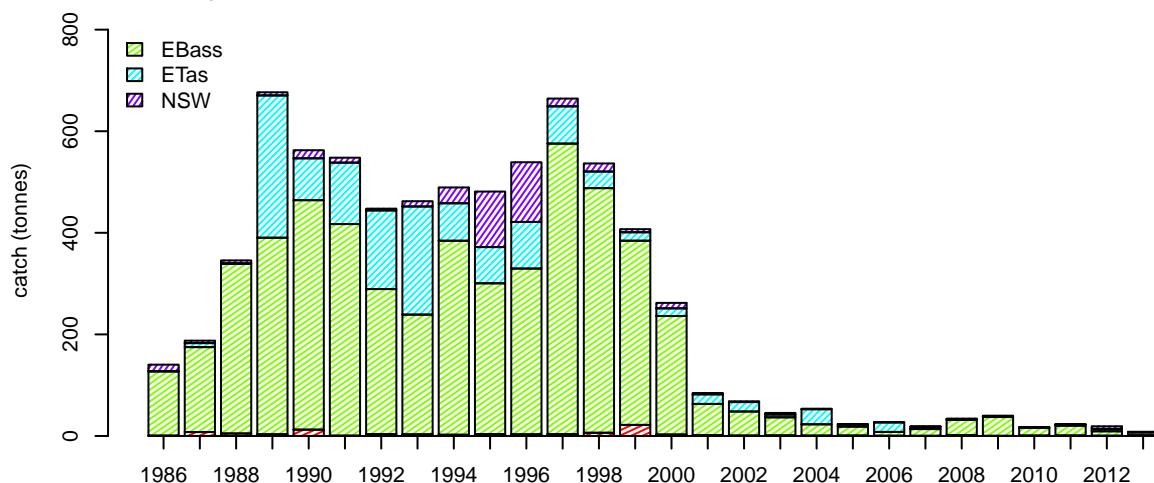
## Catch at depth



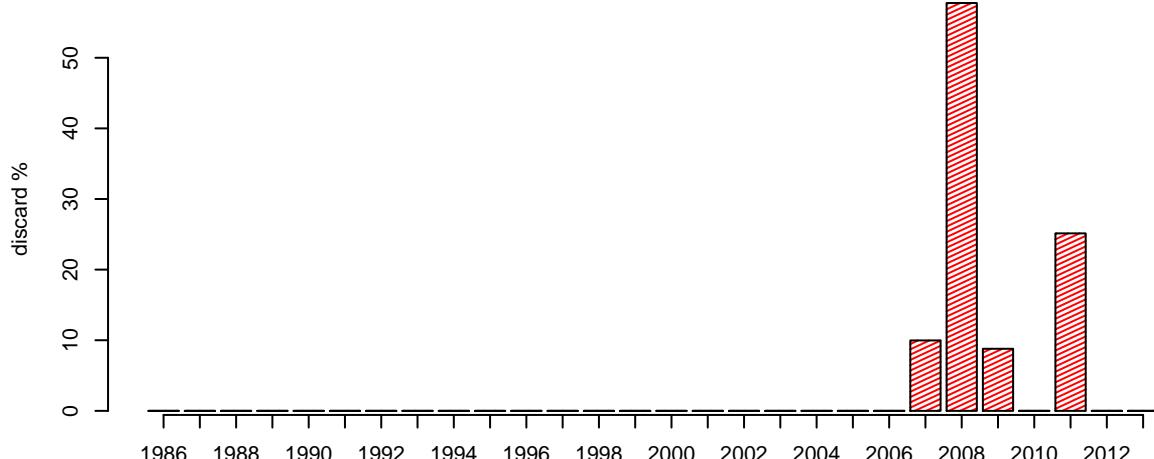
## Catch by gear



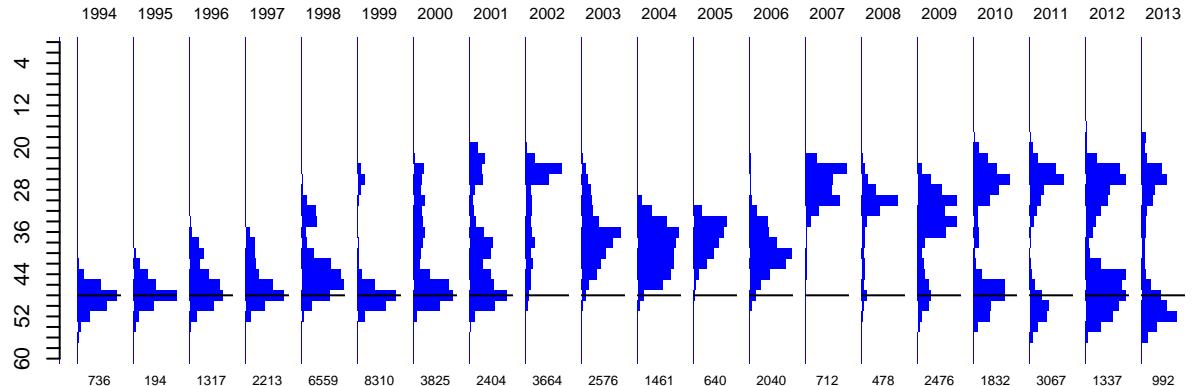
## Catch by zone



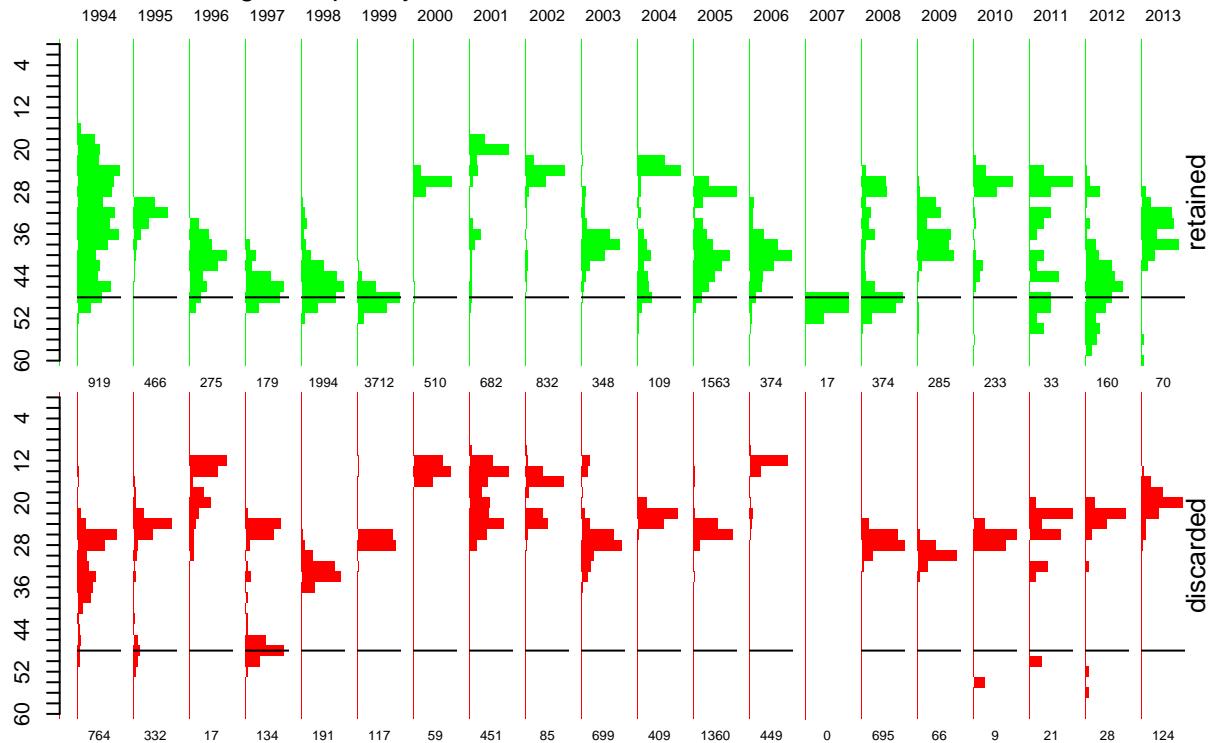
## Discards



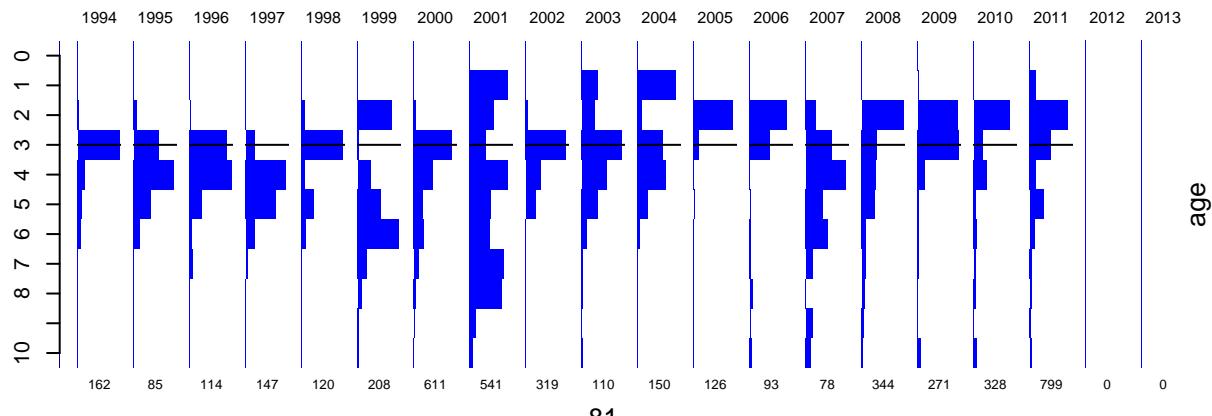
## Port length frequency



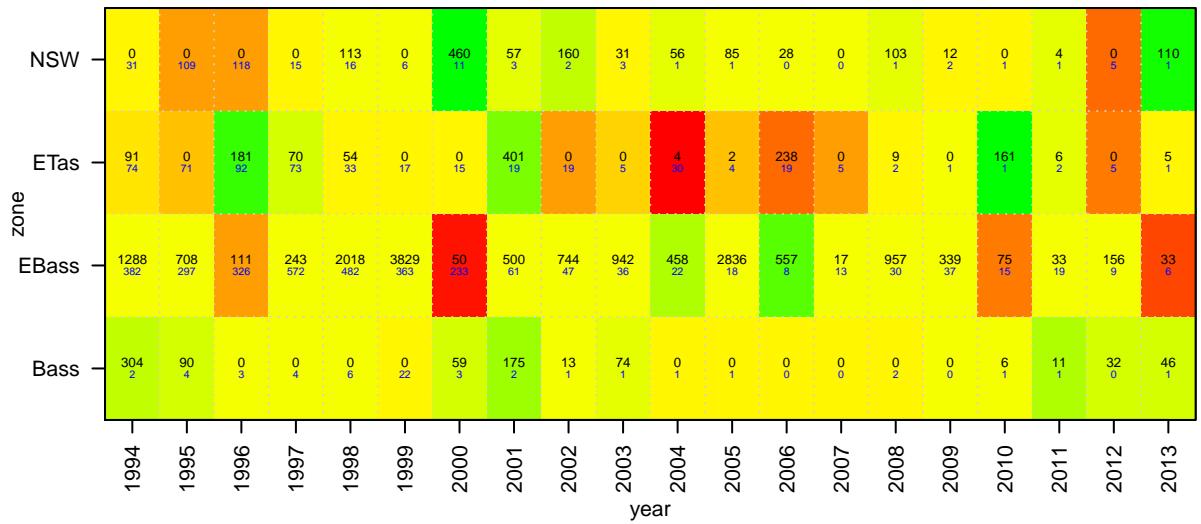
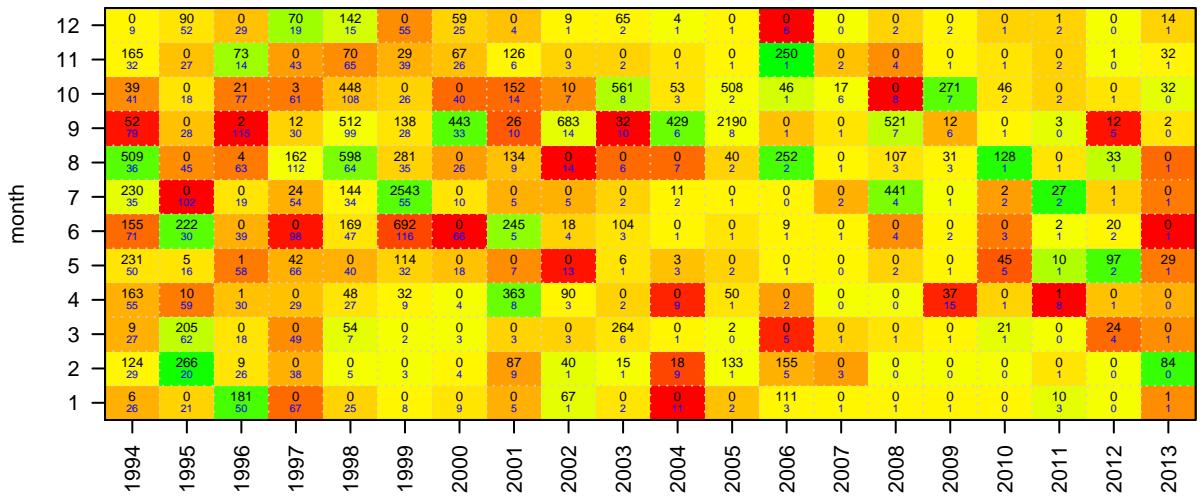
## Onboard length frequency



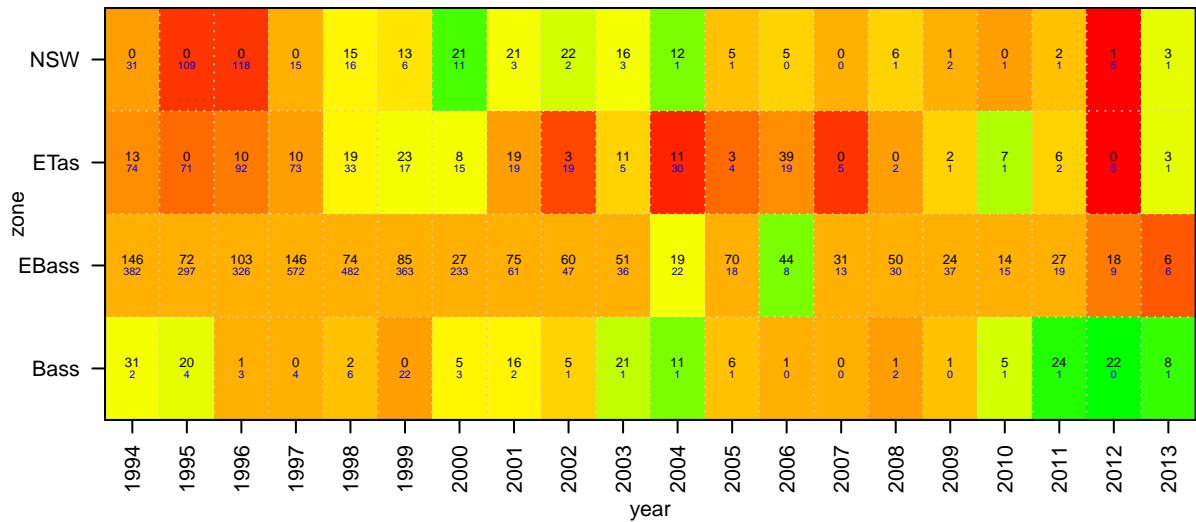
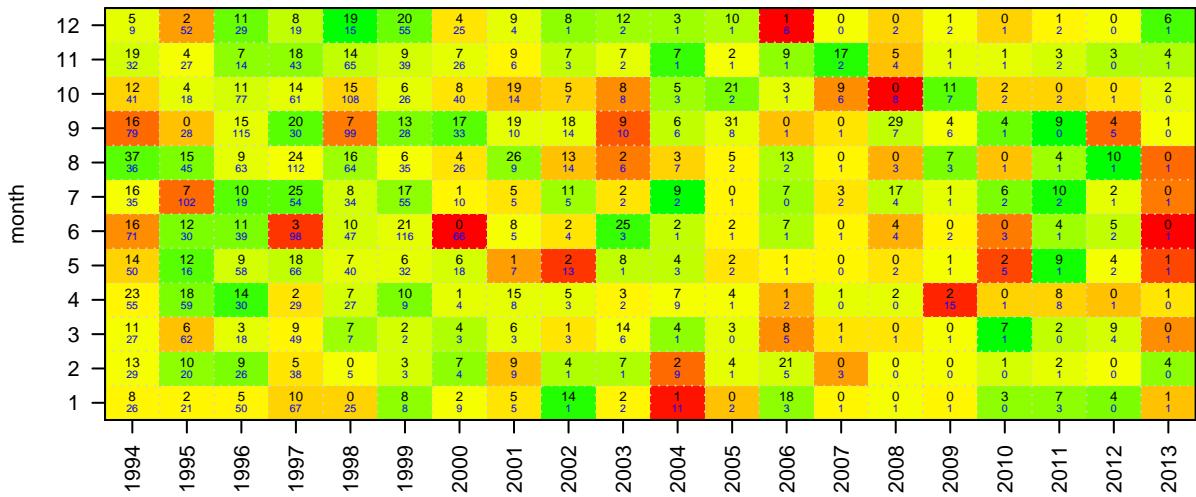
## Age frequency



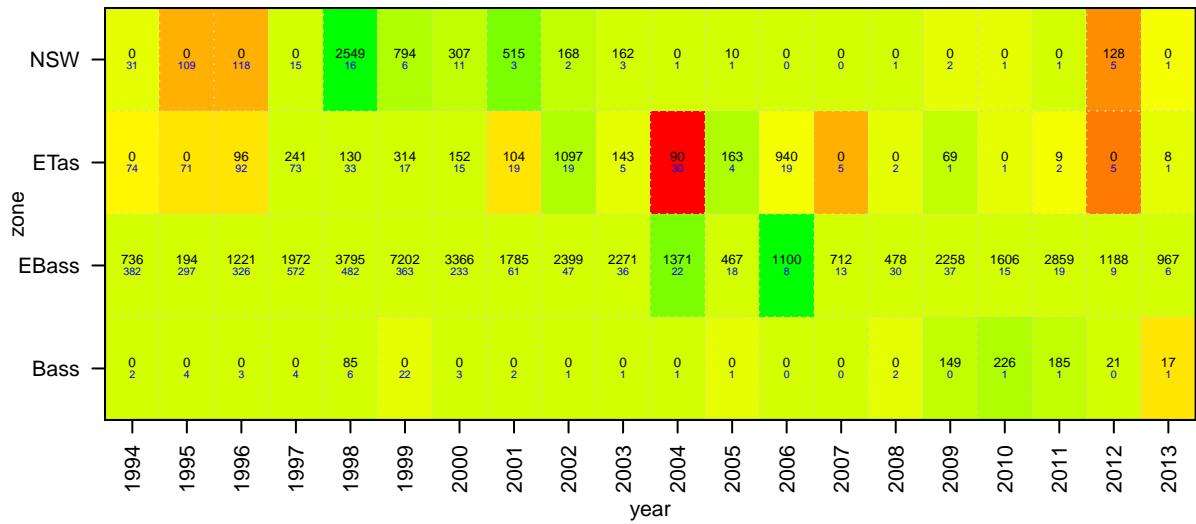
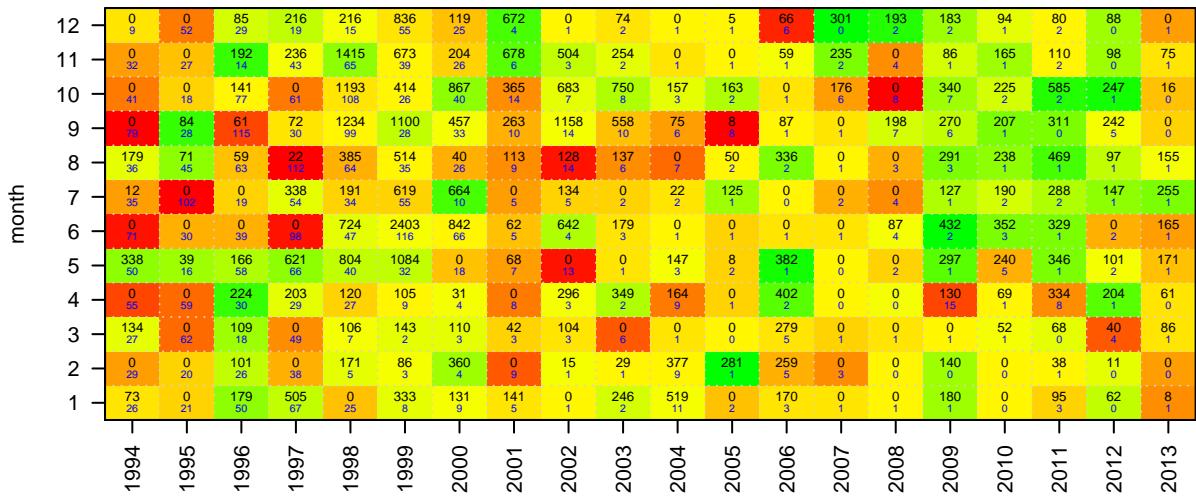
## Onboard length data



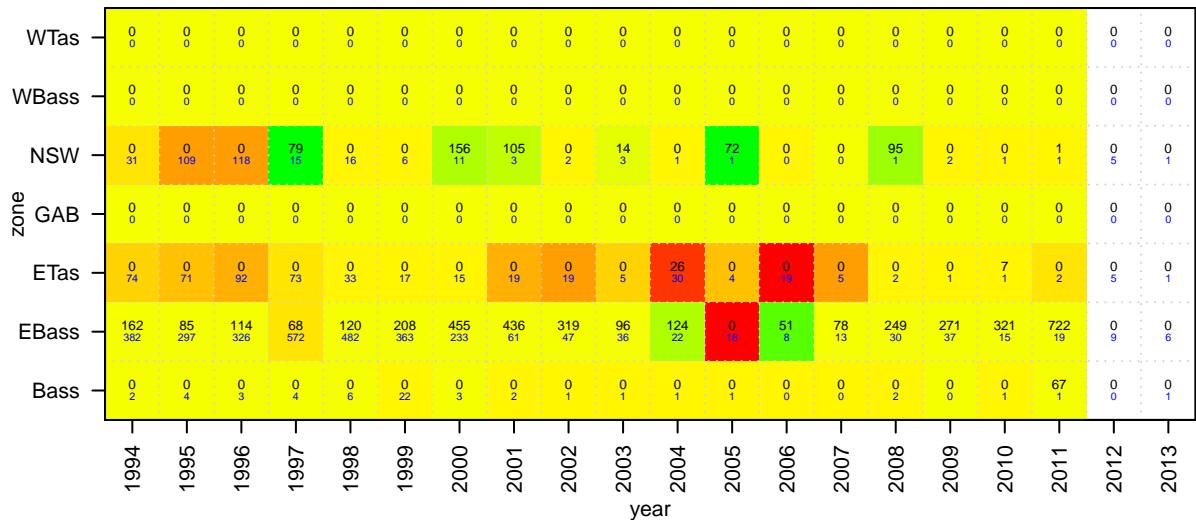
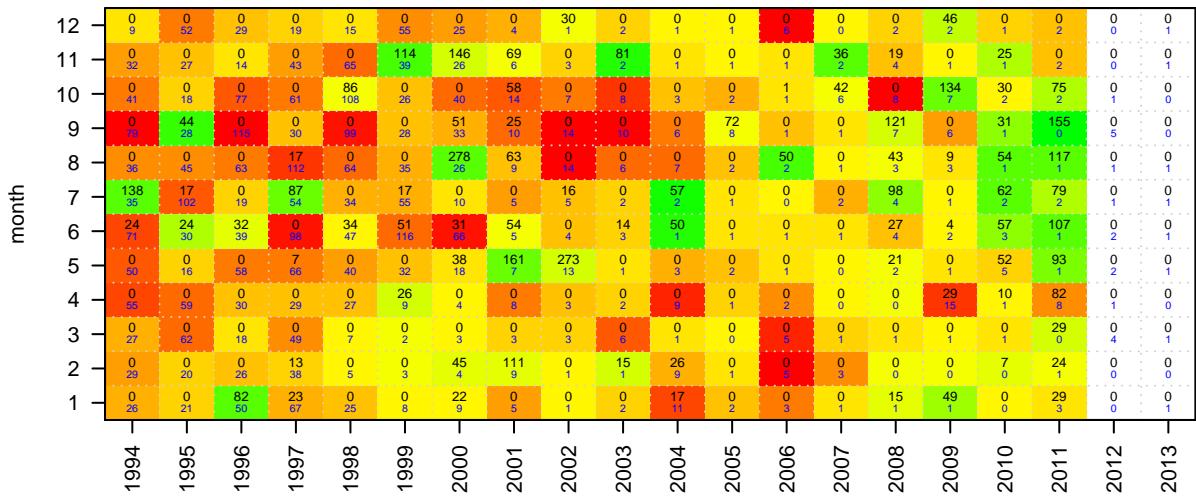
## Onboard discard weight data



## Port length data



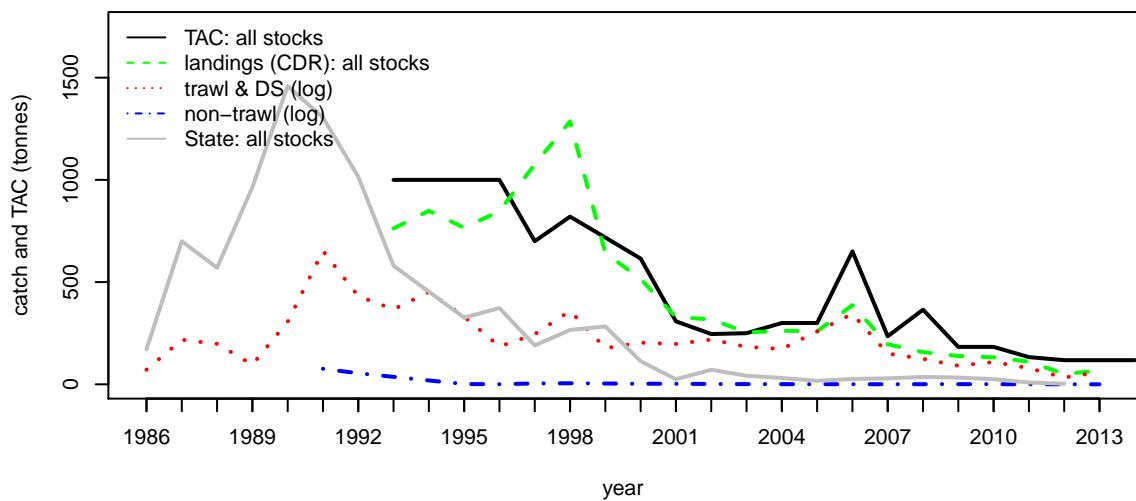
## Age data



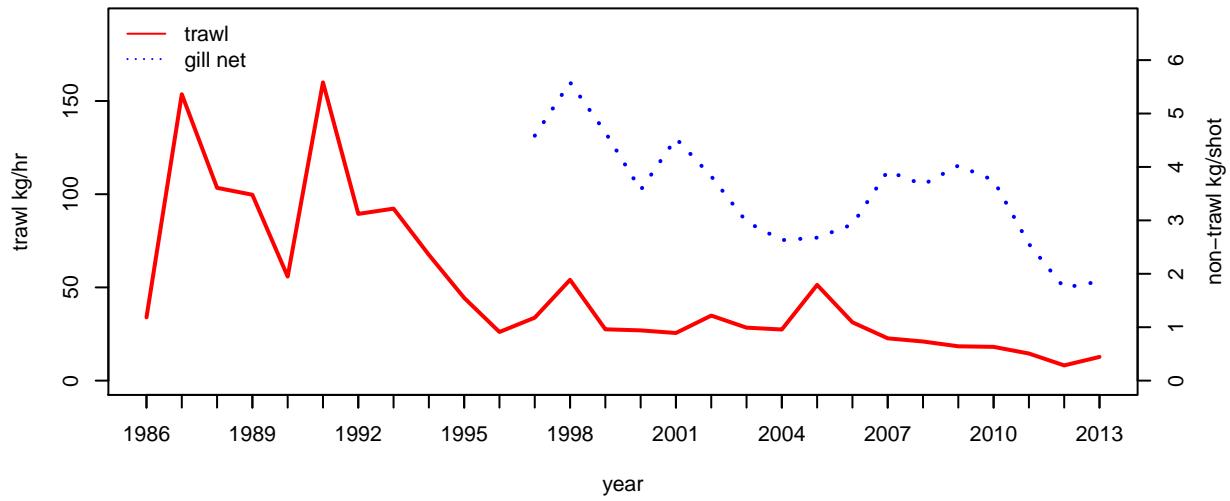
# Blue Warehou West

Sat Jul 19 15:15:47 2014  
 region SEFWEST unit code TRT  
 CAAB 37445005 91445005 92445005  
 start month 1

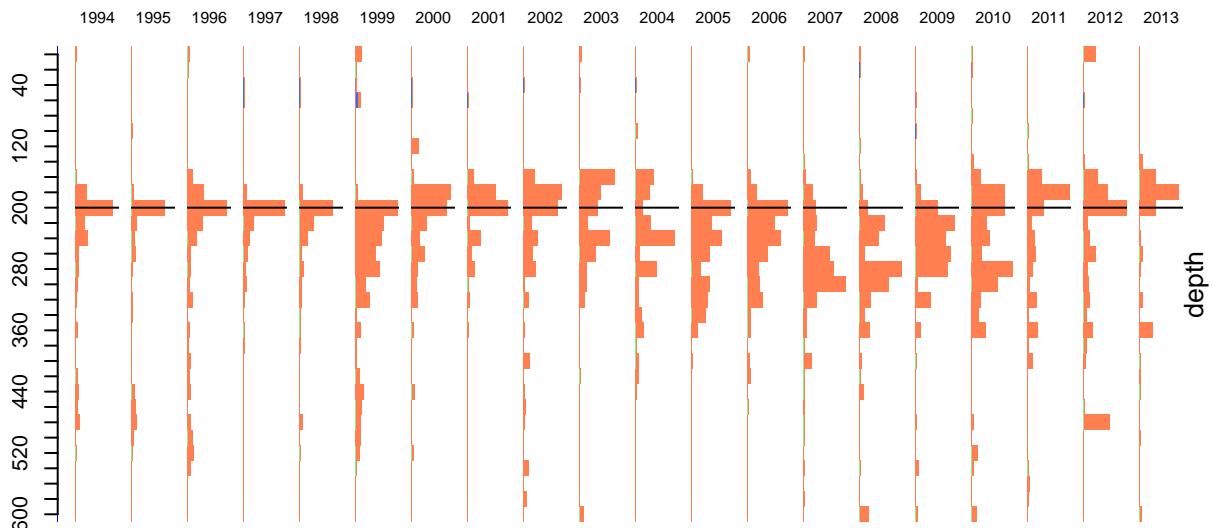
## TAC and landings



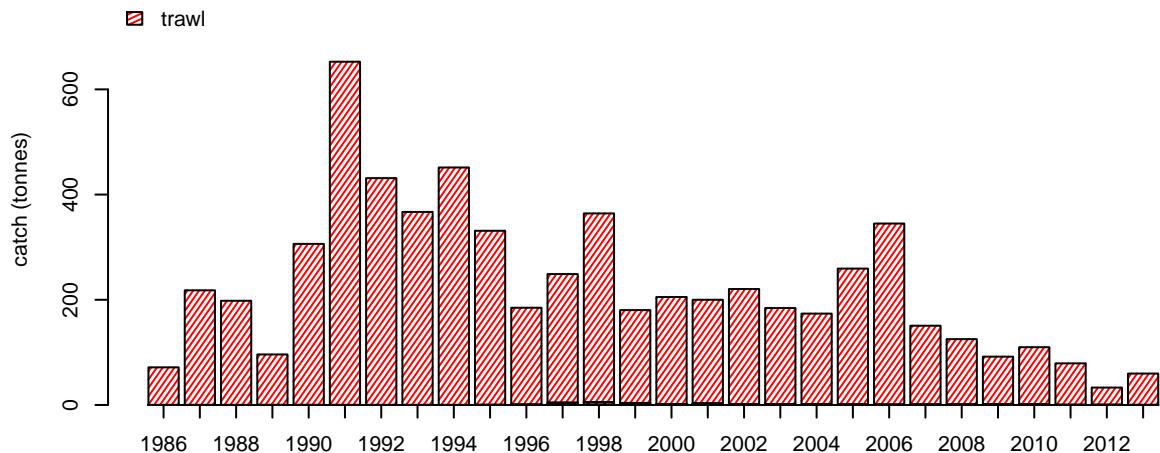
## Geometric mean CPUE



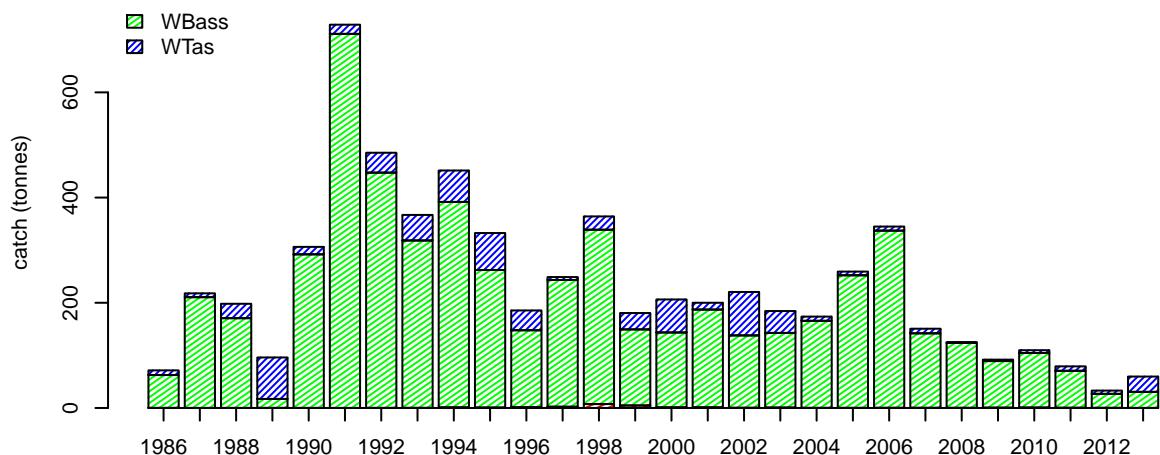
## Catch at depth



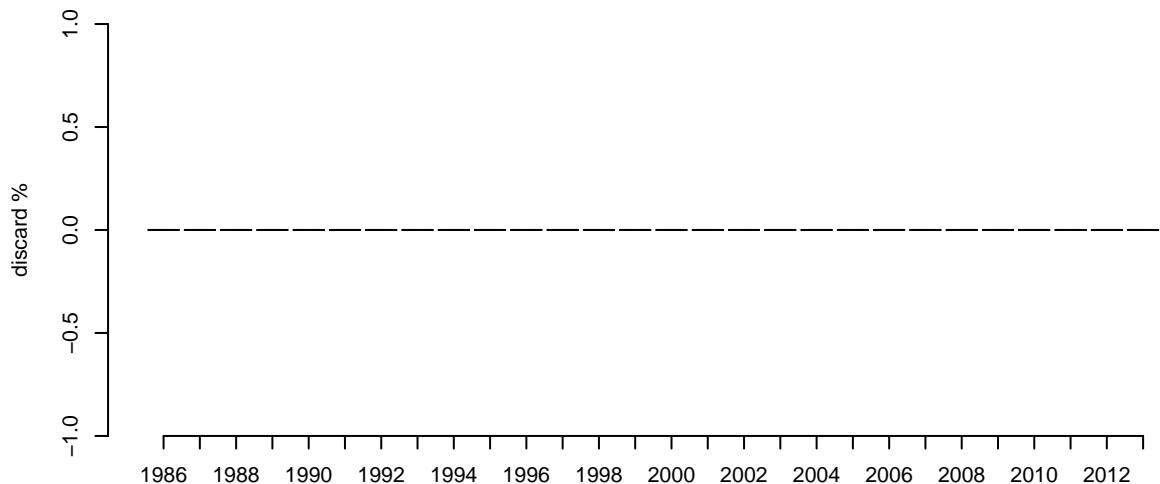
## Catch by gear



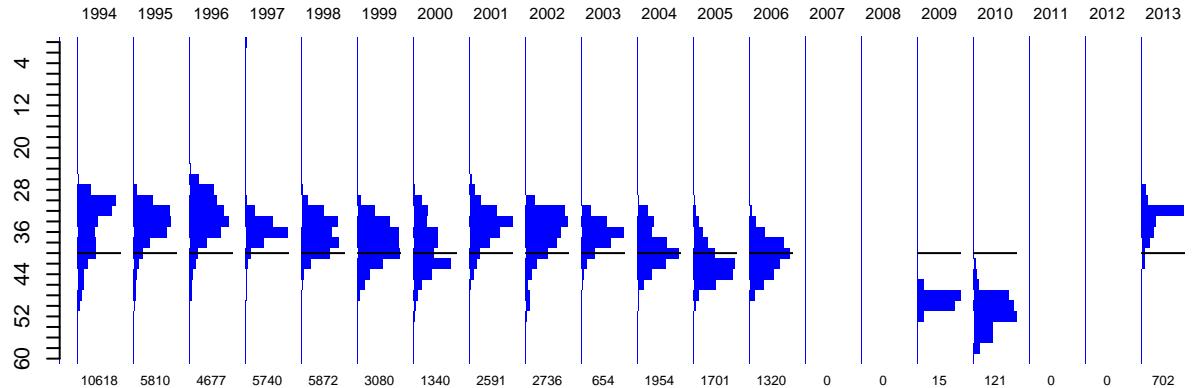
## Catch by zone



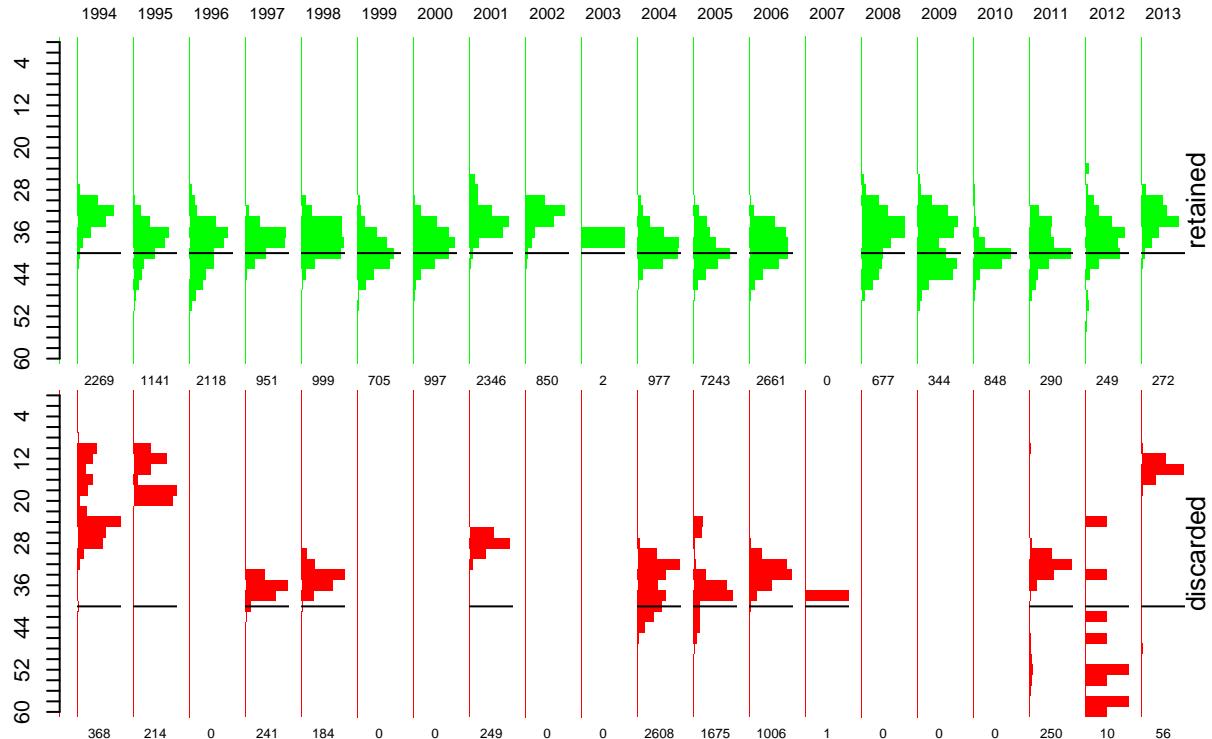
## Discards



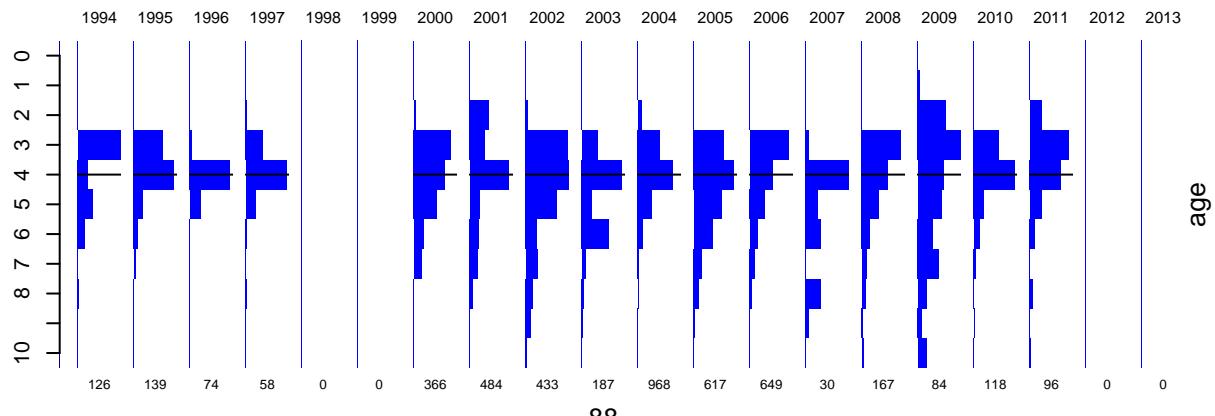
## Port length frequency



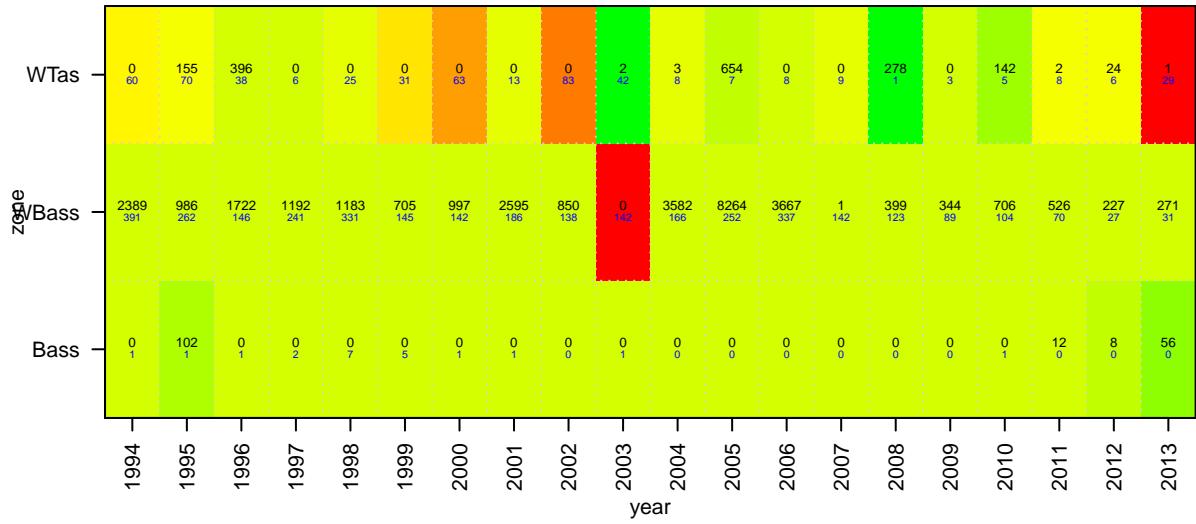
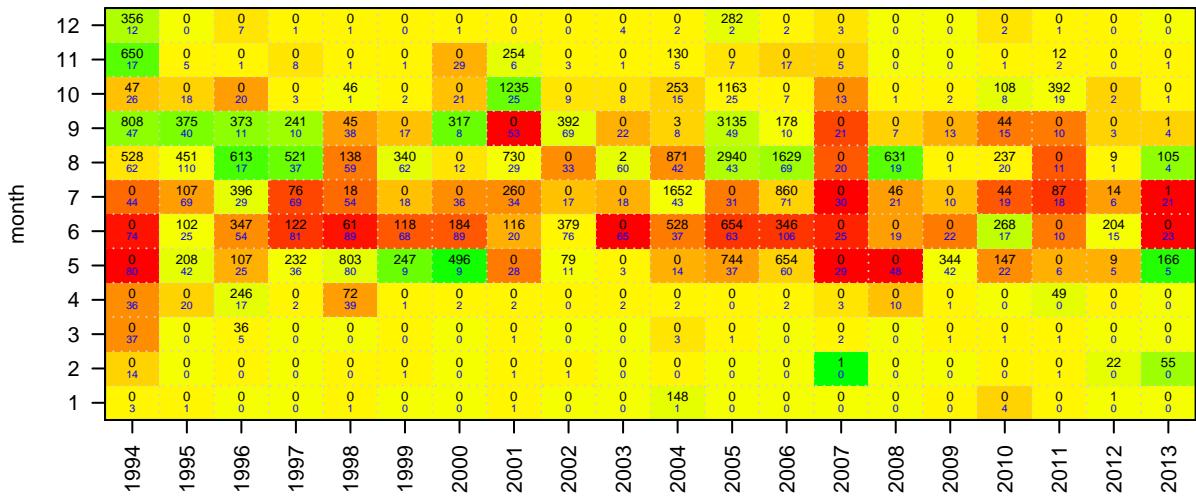
## Onboard length frequency



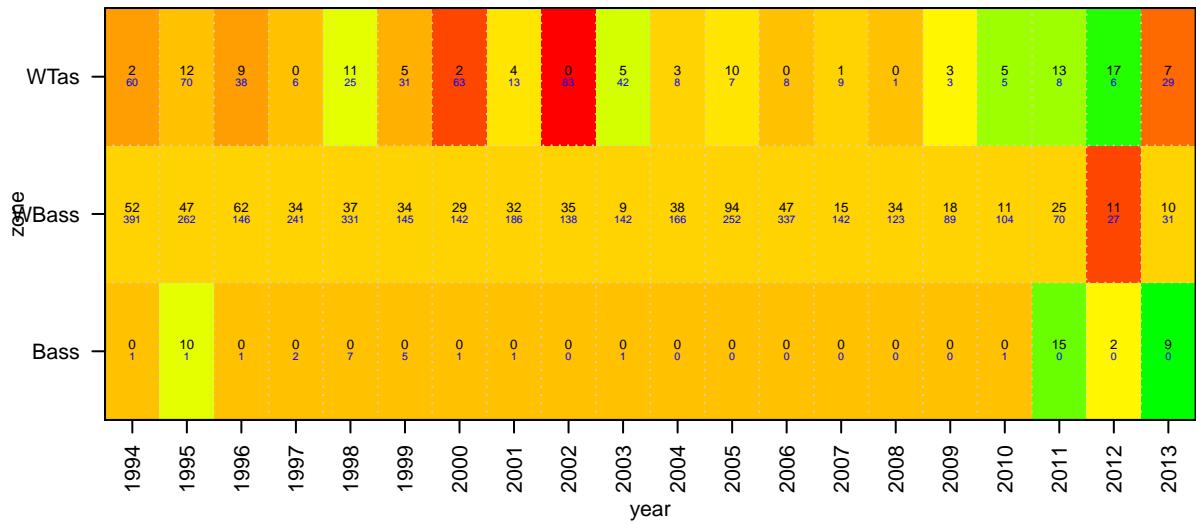
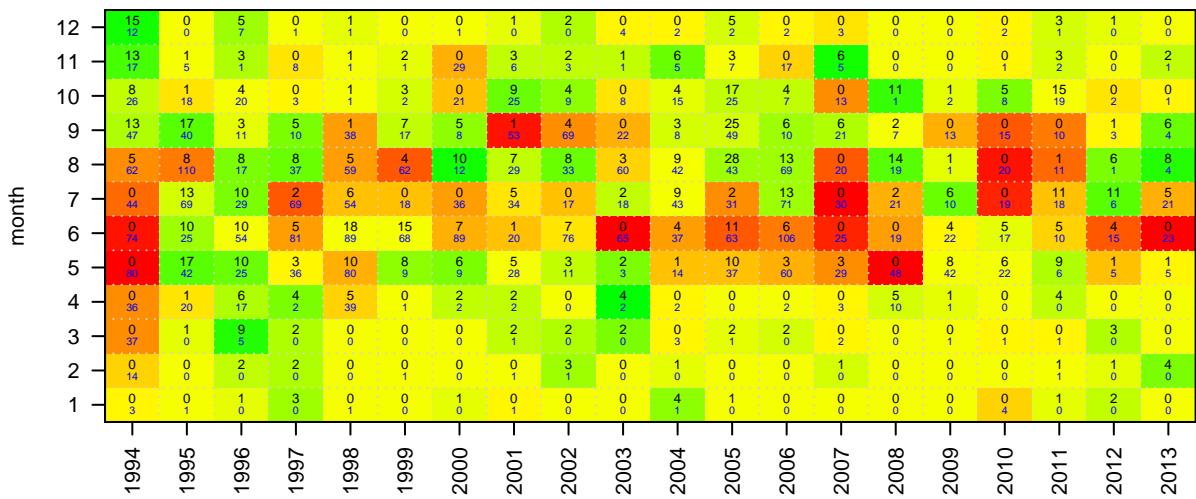
## Age frequency



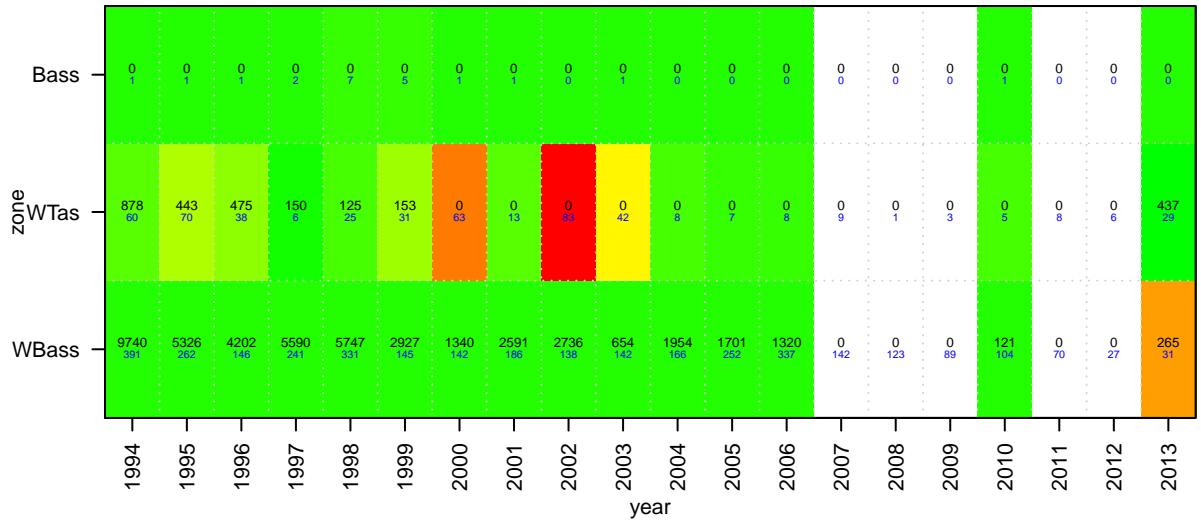
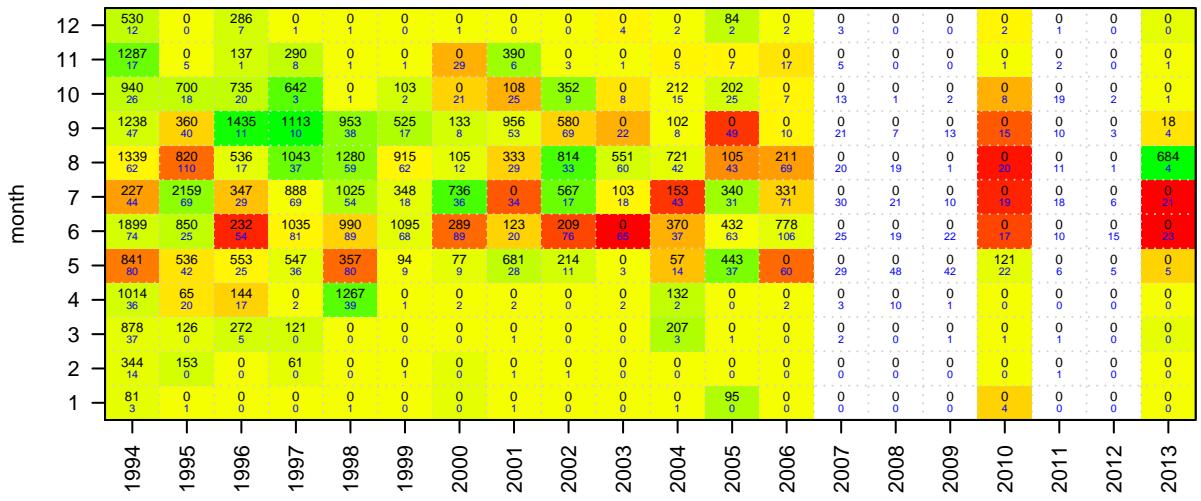
## Onboard length data



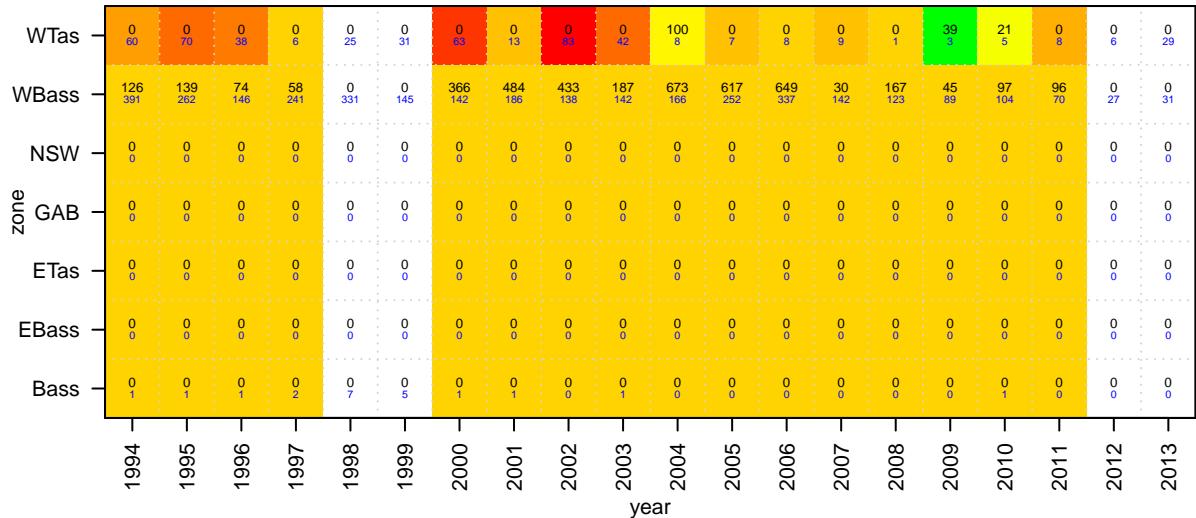
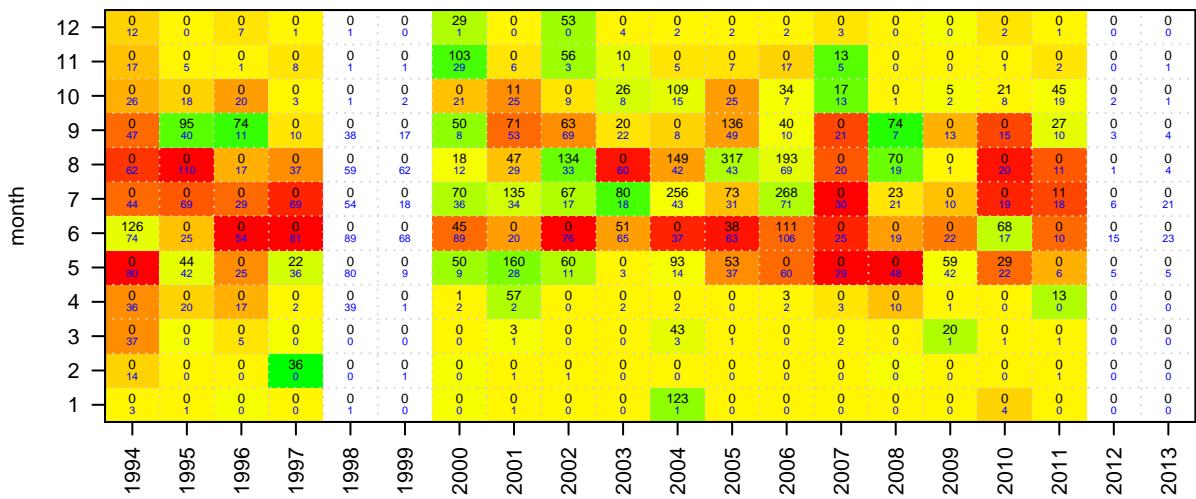
## Onboard discard weight data



## Port length data



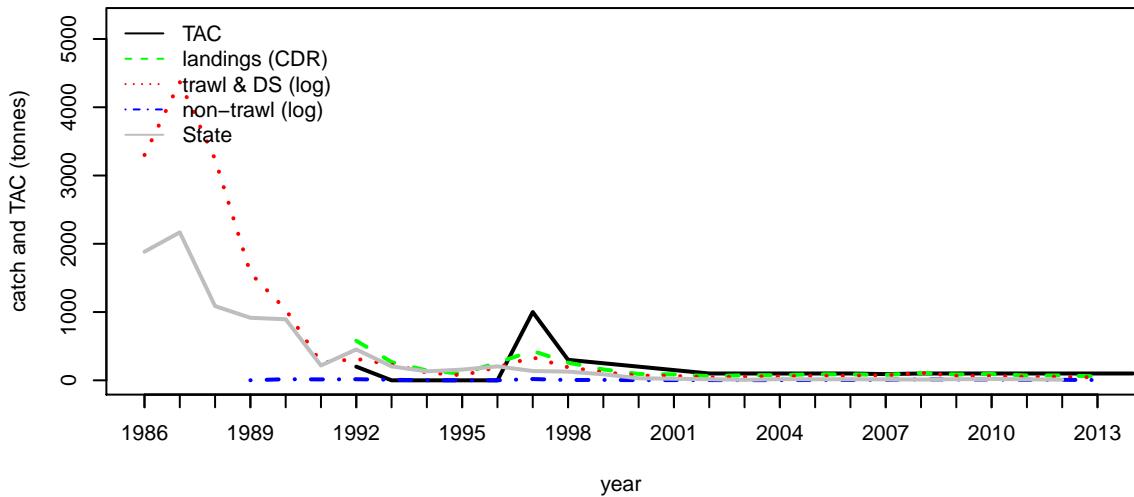
## Age data



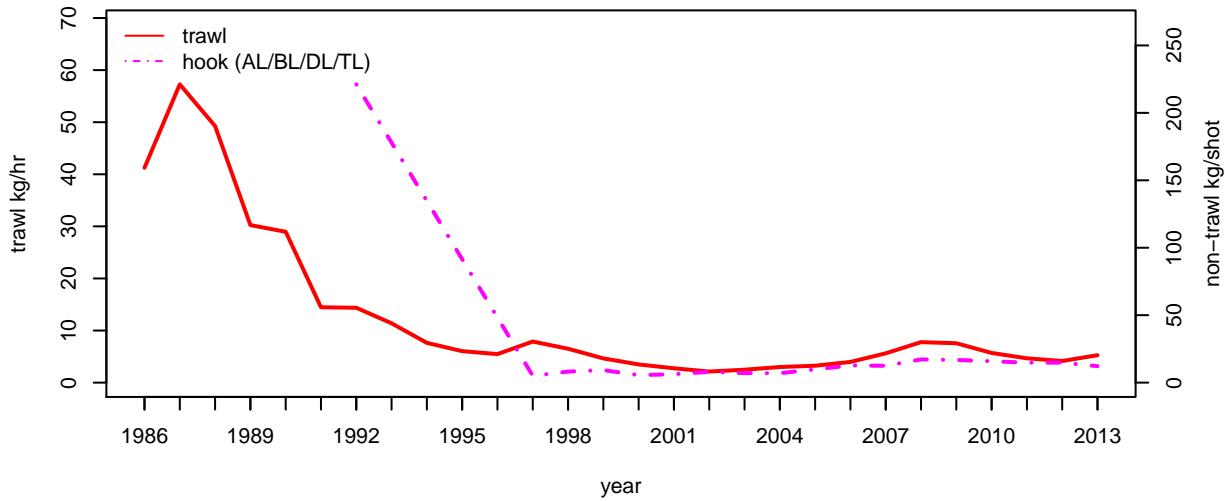
# Gemfish East

Sat Jul 19 15:19:45 2014  
region GEMEAST unit code GEME  
CAAB 37439002 91439002 92439002  
start month 1

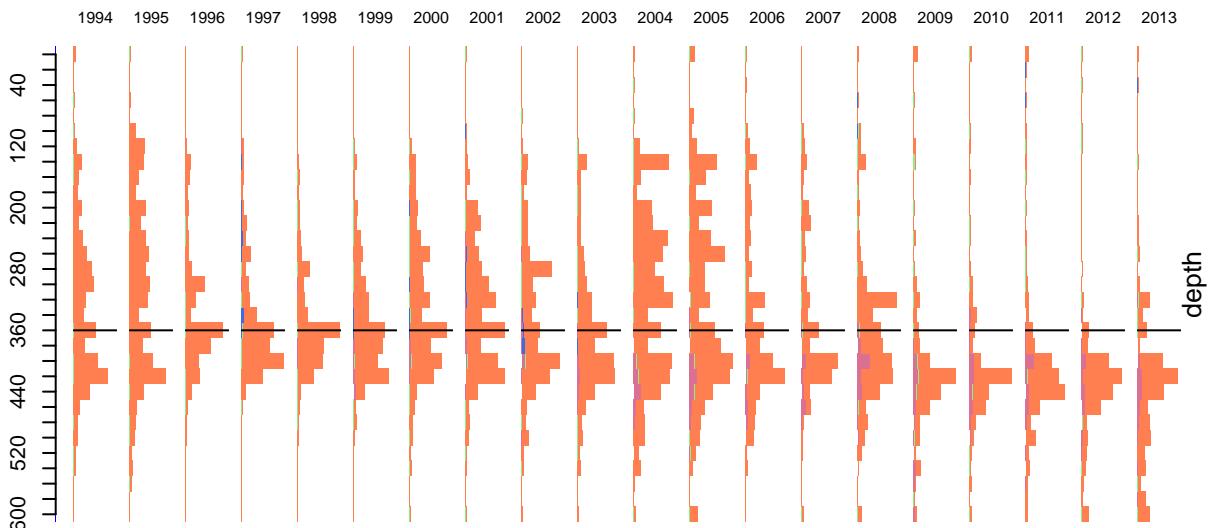
## TAC and landings

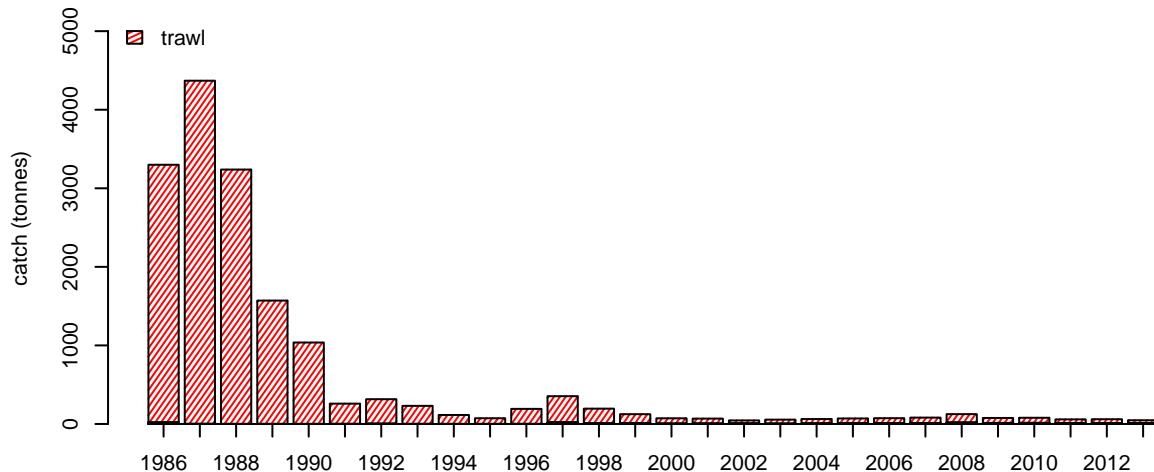
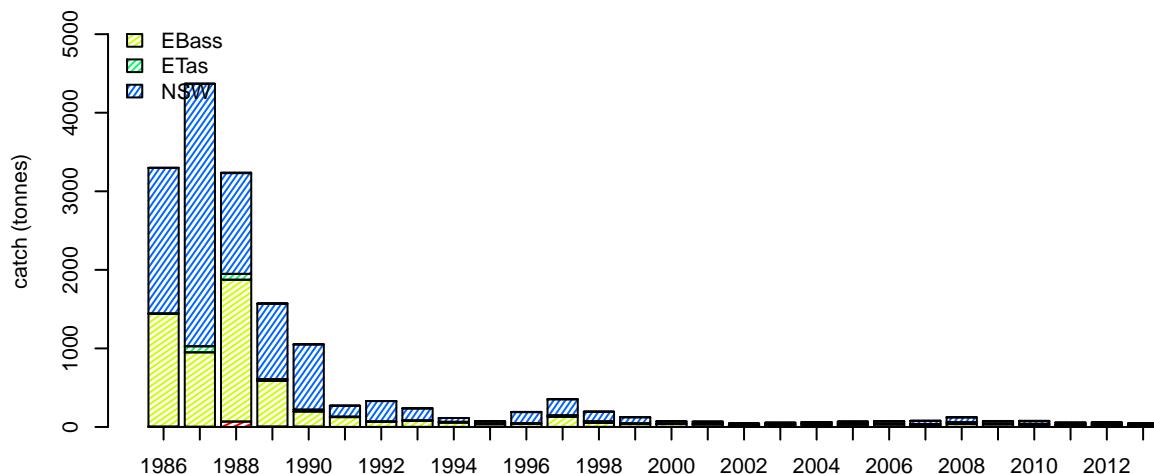
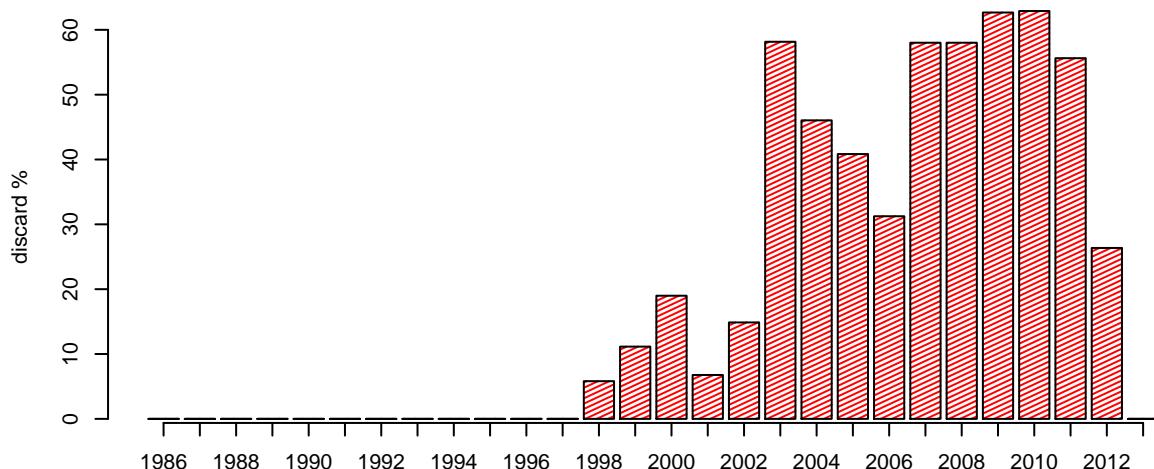


## Geometric mean CPUE

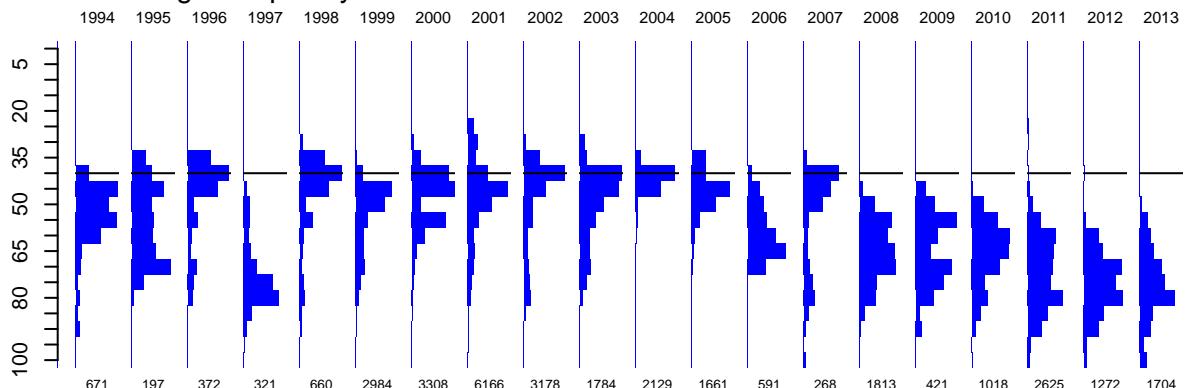


## Catch at depth

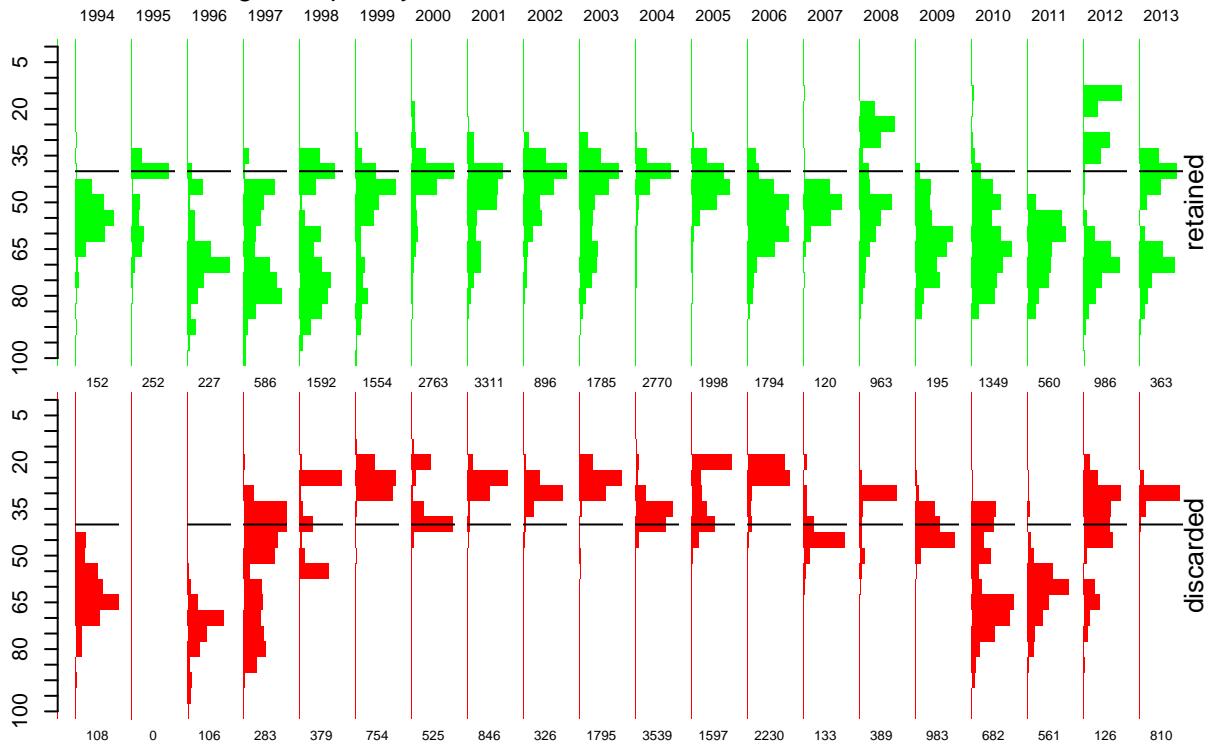


**Catch by gear****Catch by zone****Discards**

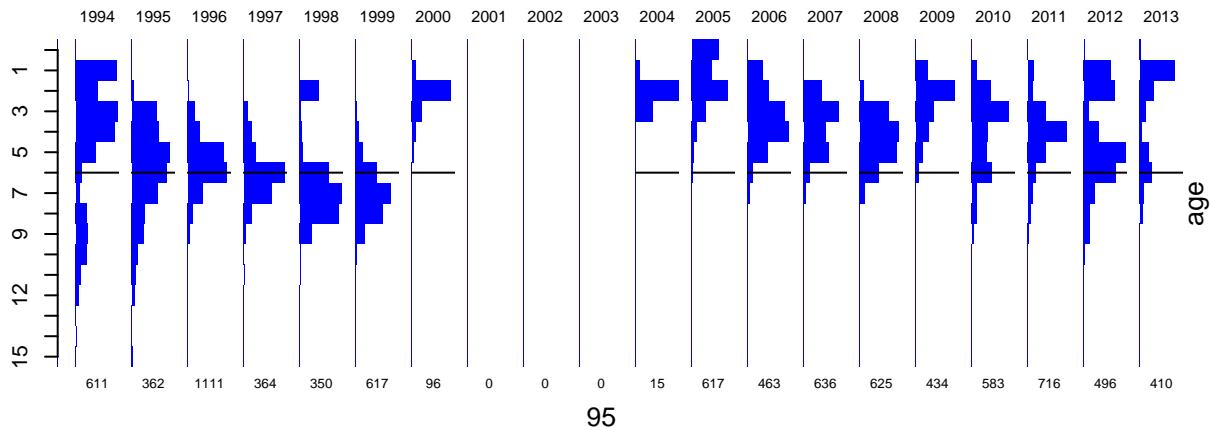
## Port length frequency



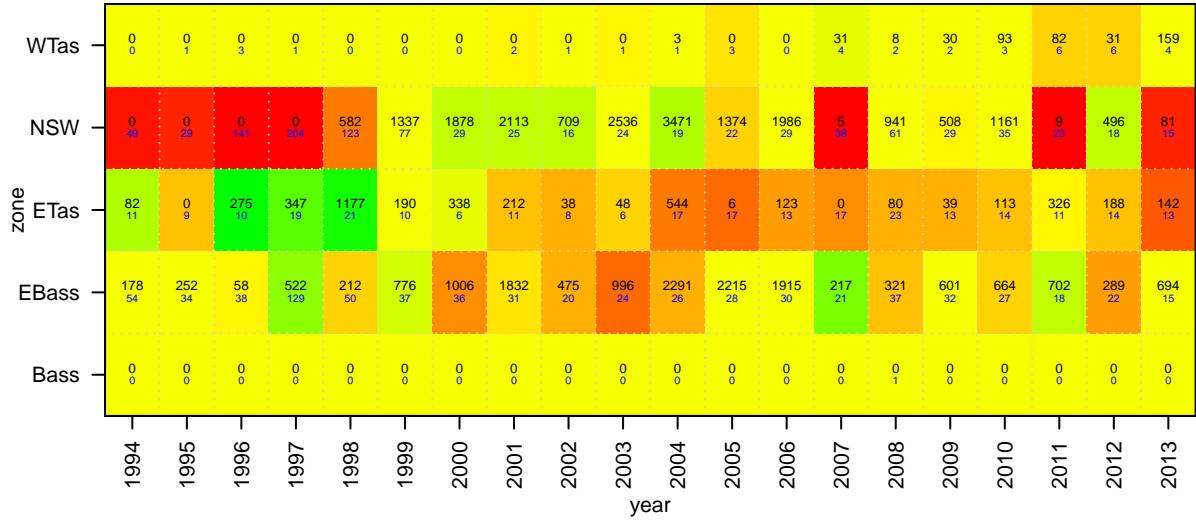
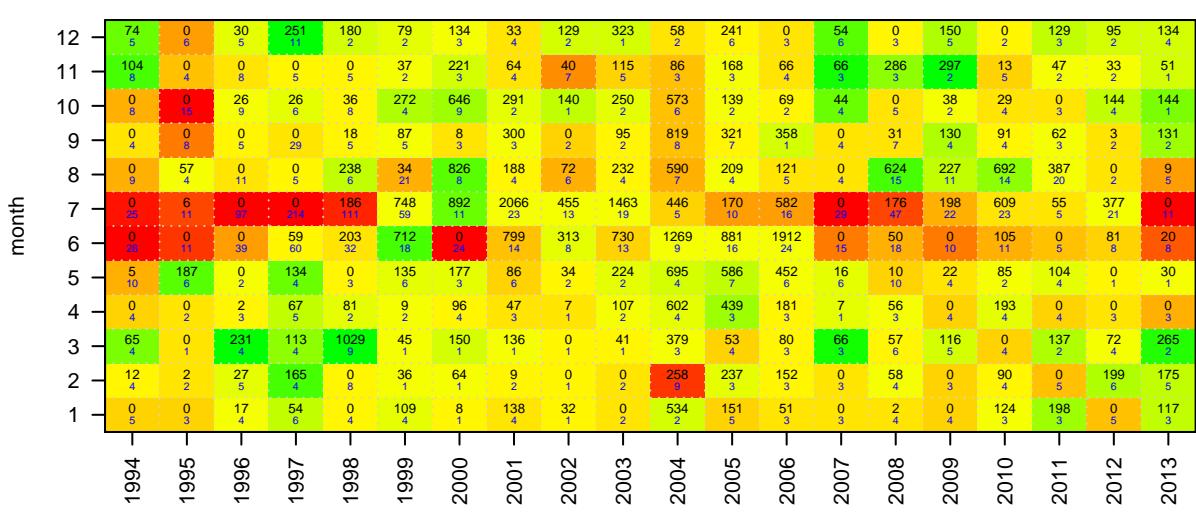
## Onboard length frequency



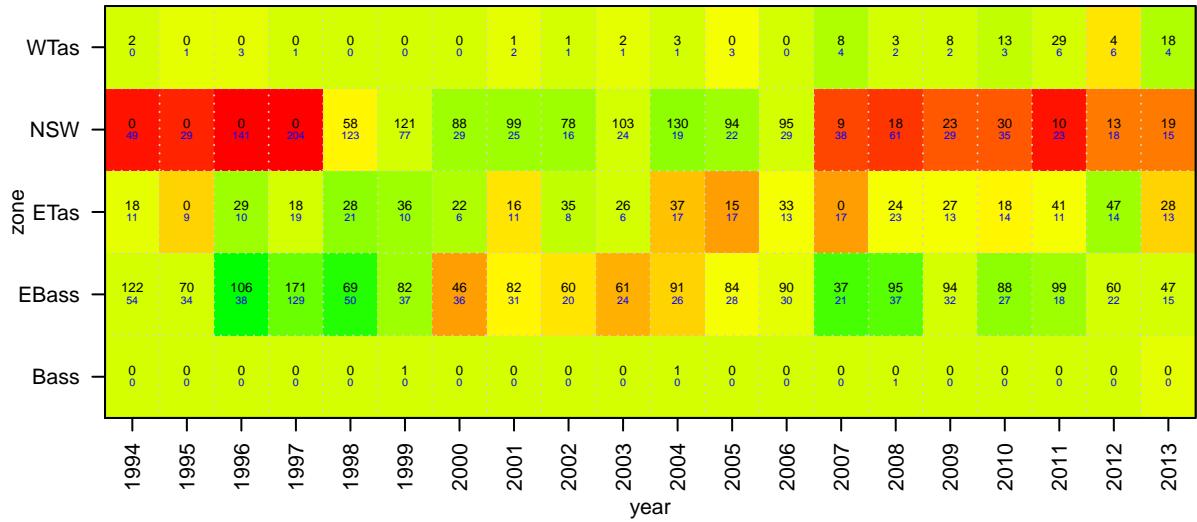
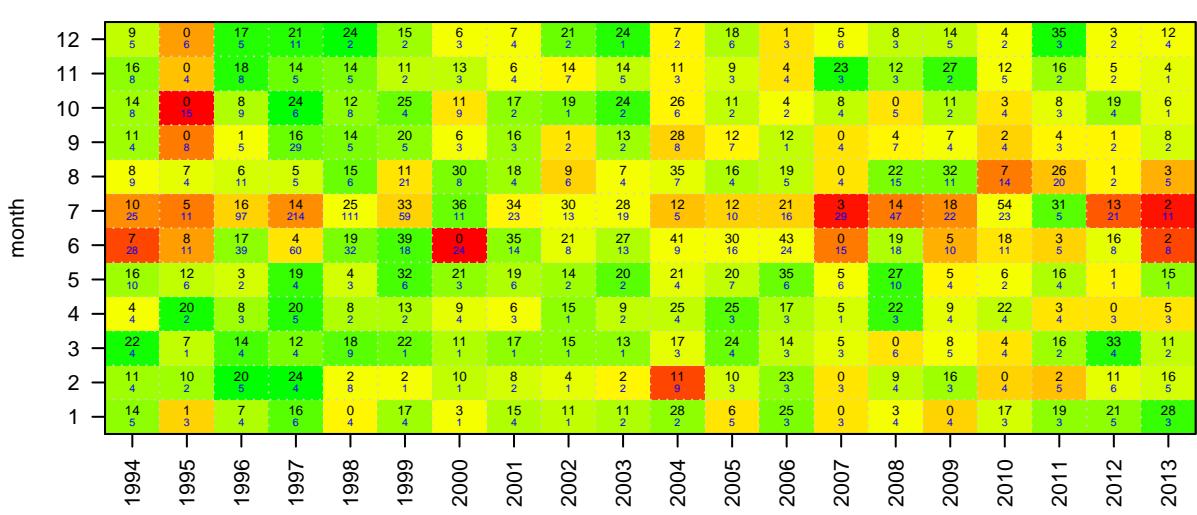
## Age frequency



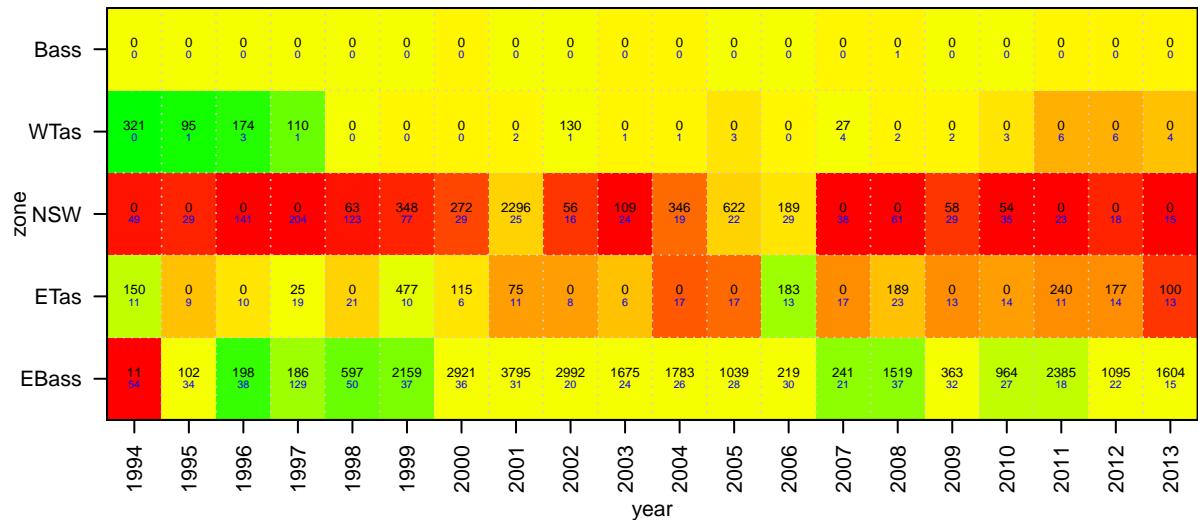
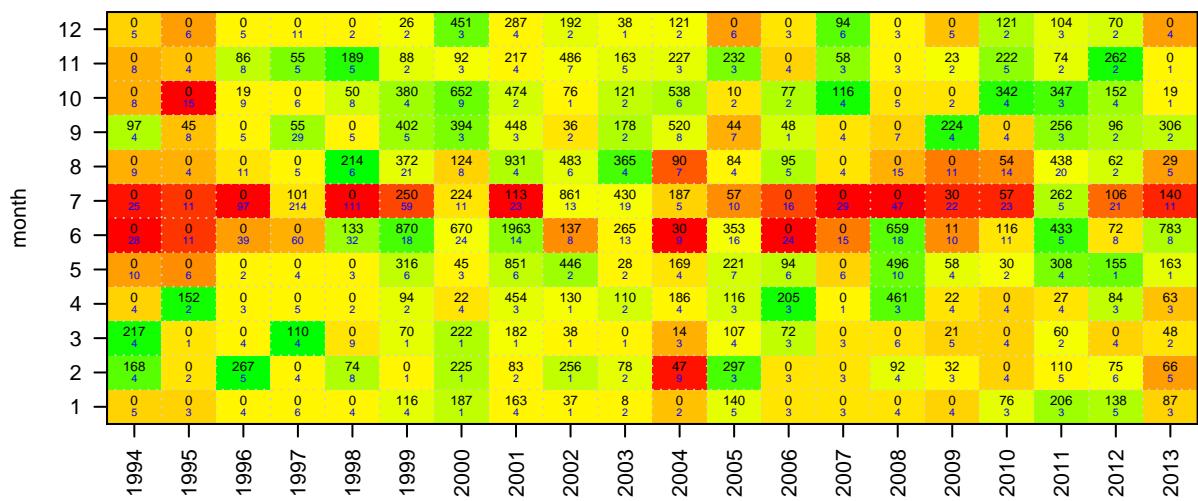
## Onboard length data



## Onboard discard weight data



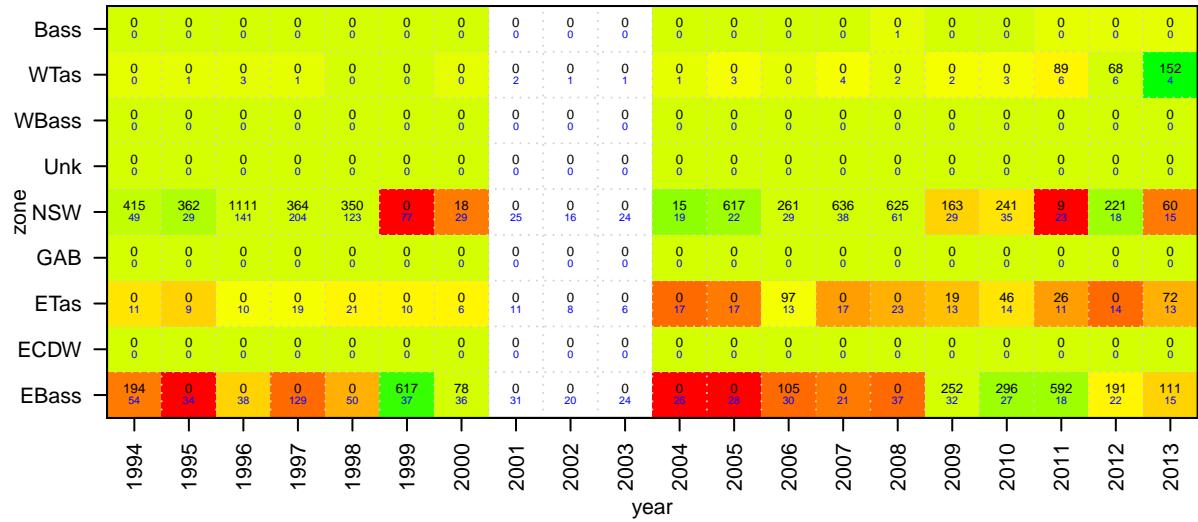
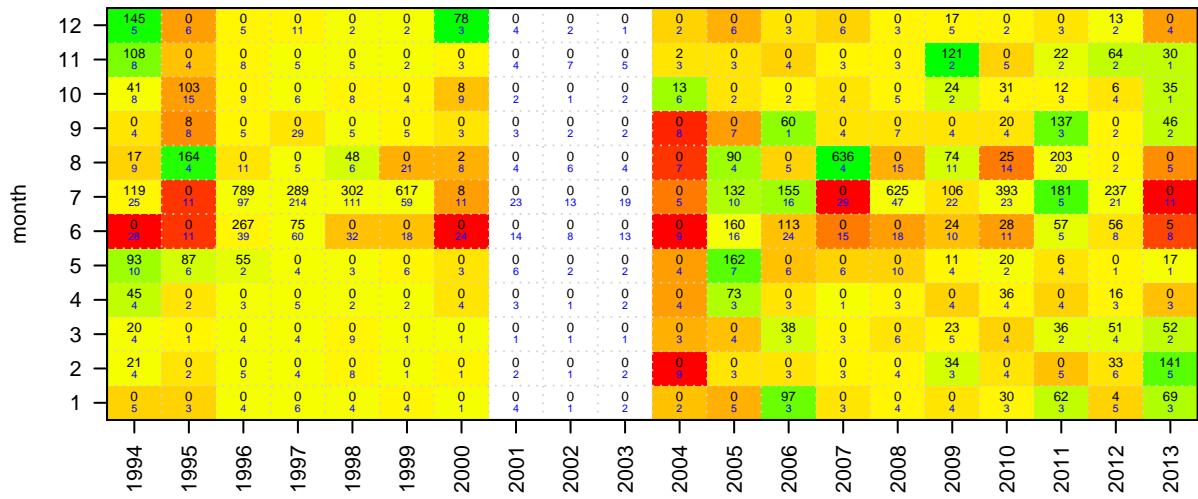
## Port length data



# Gemfish East

Sat Jul 19 15:20:13 2014

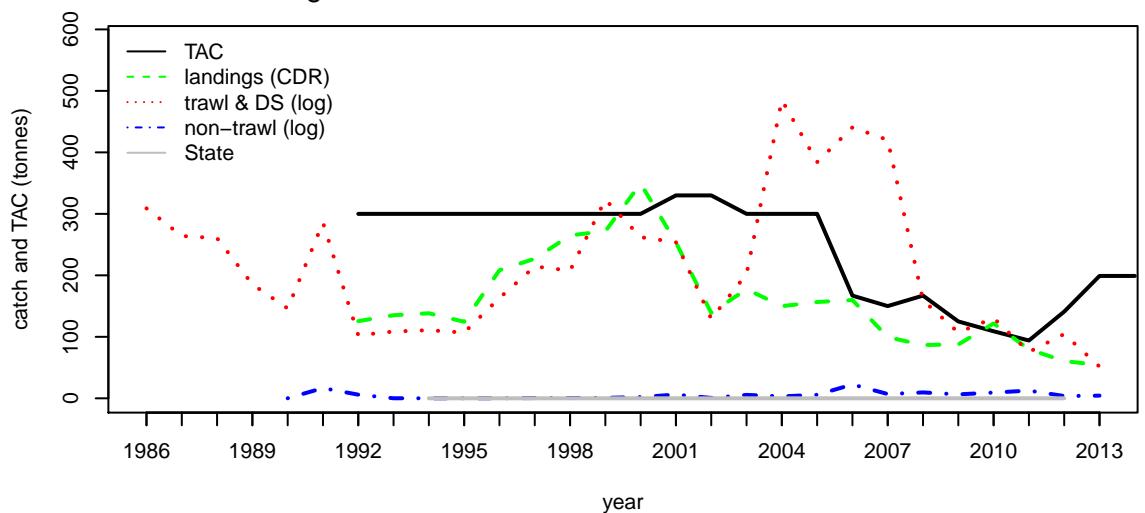
## Age data



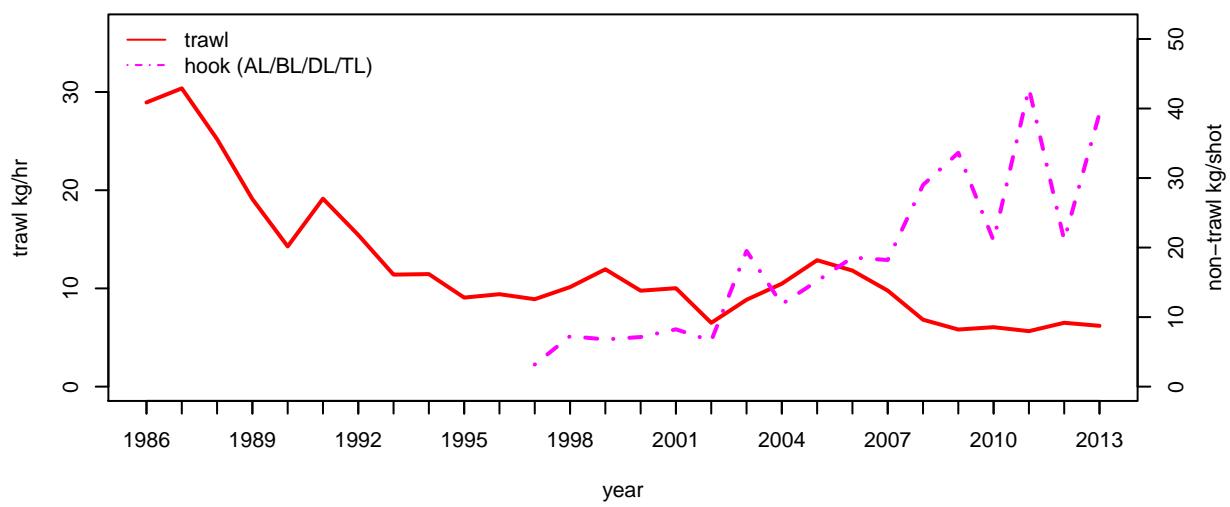
# Gemfish West

Sat Jul 19 15:23:52 2014  
region GEMWEST unit code GEMW  
CAAB 37439002 91439002 92439002  
start month 1

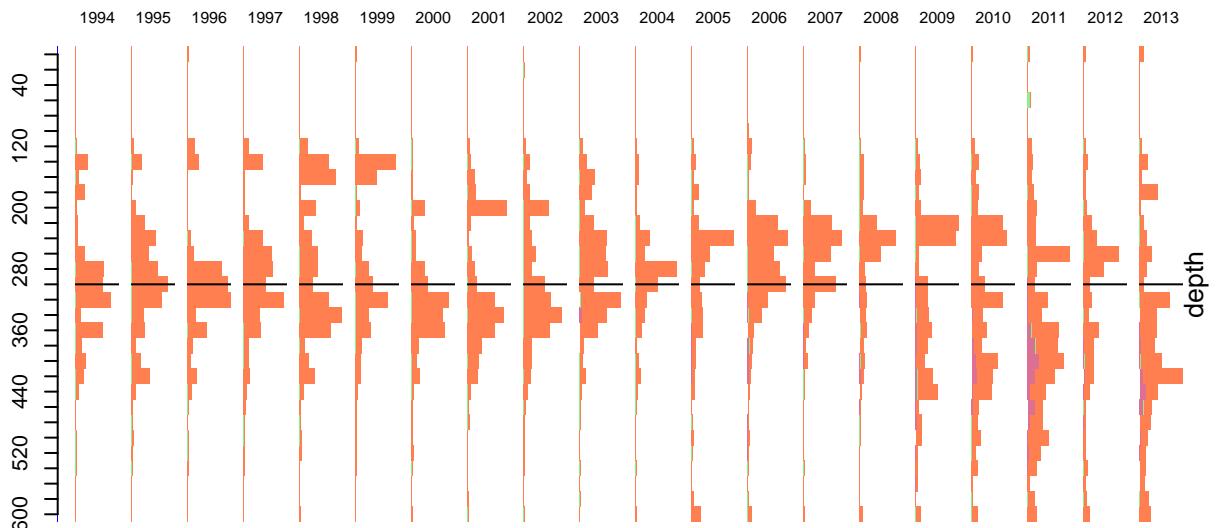
## TAC and landings

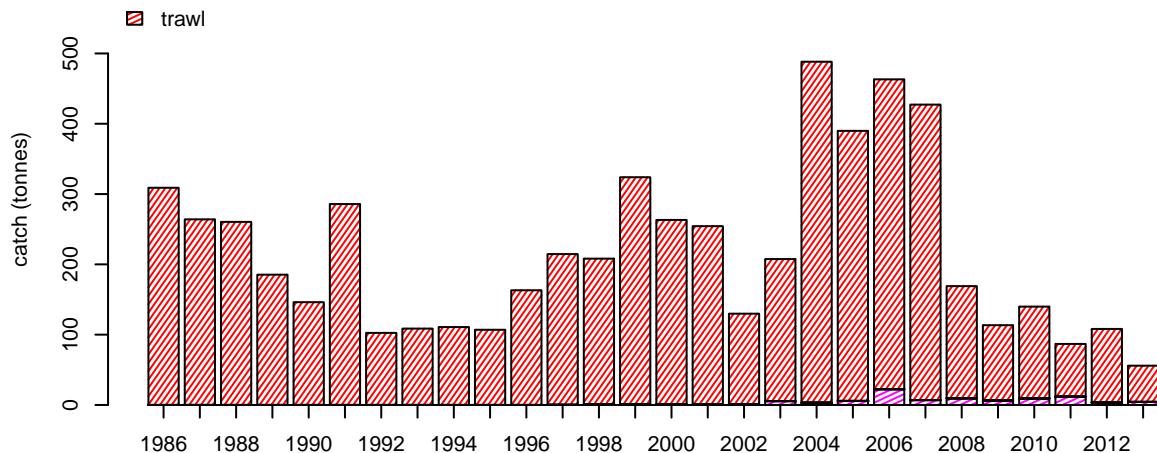
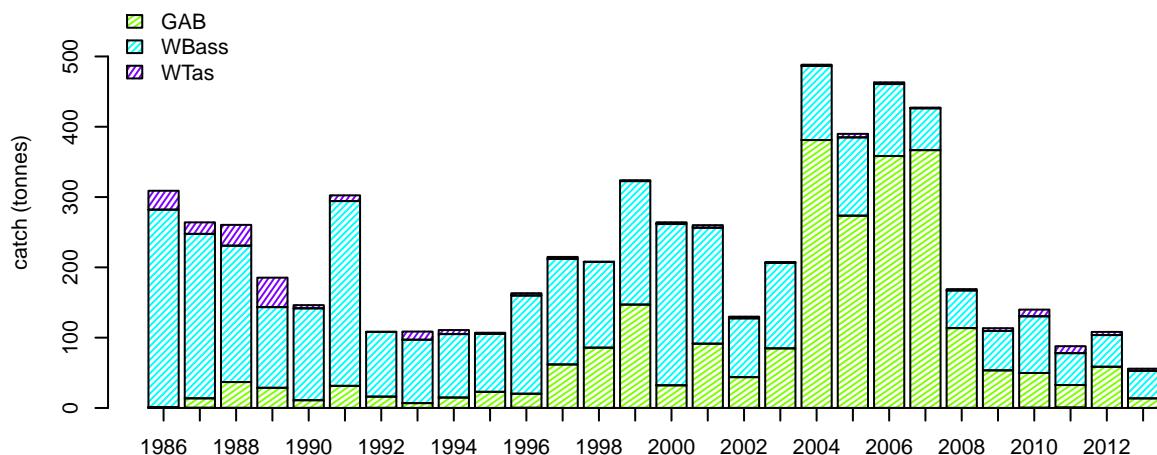
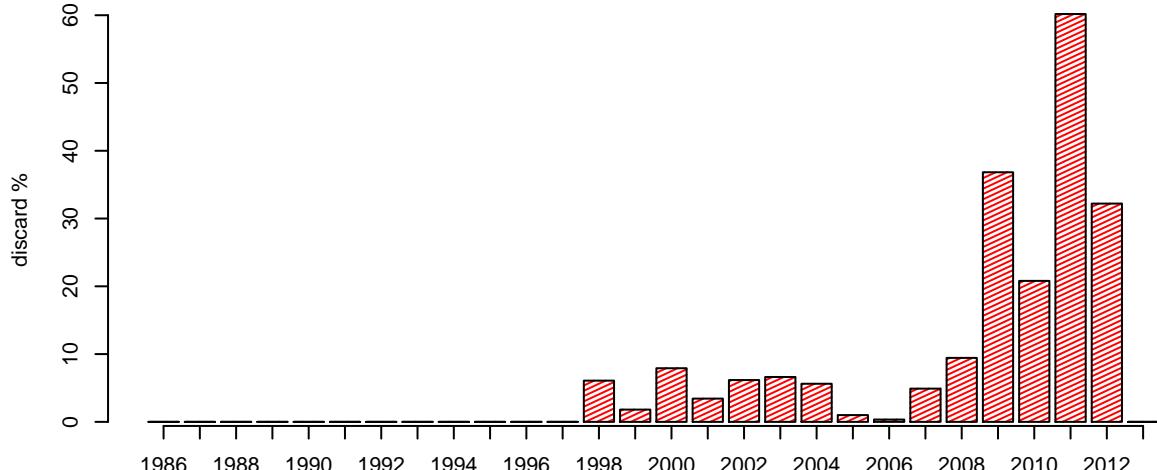


## Geometric mean CPUE

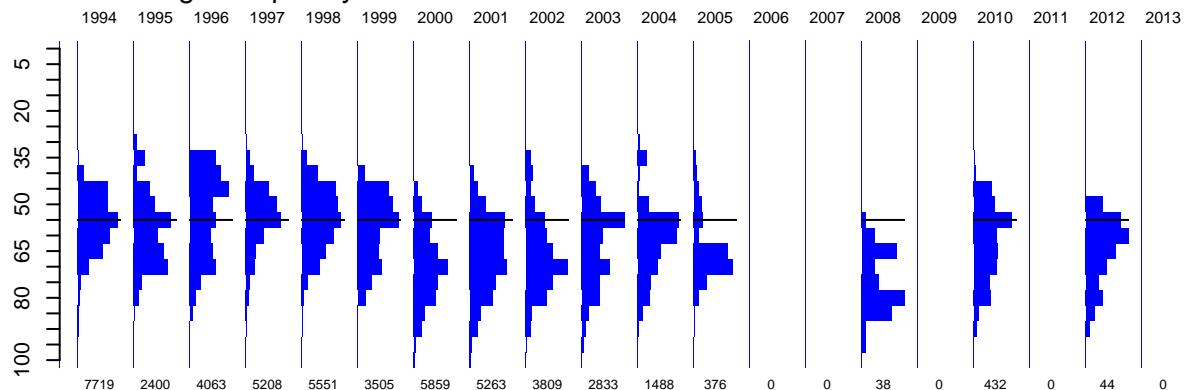


## Catch at depth

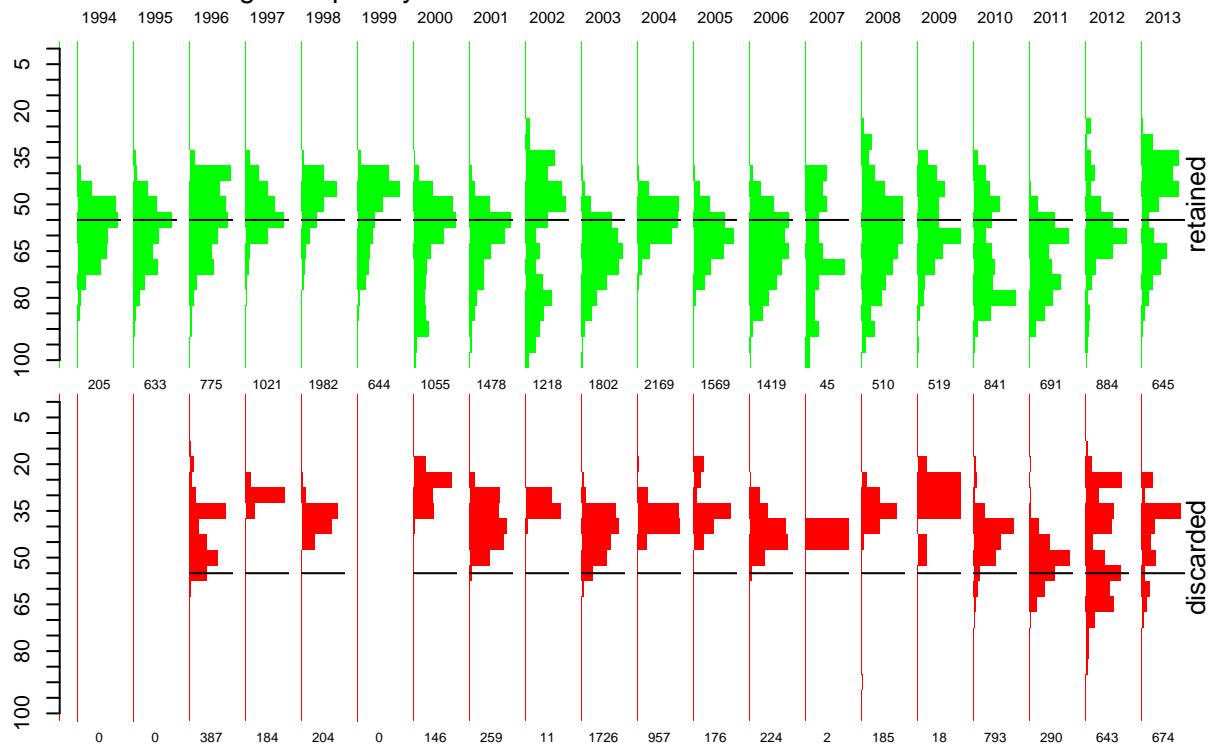


**Catch by gear****Catch by zone****Discards**

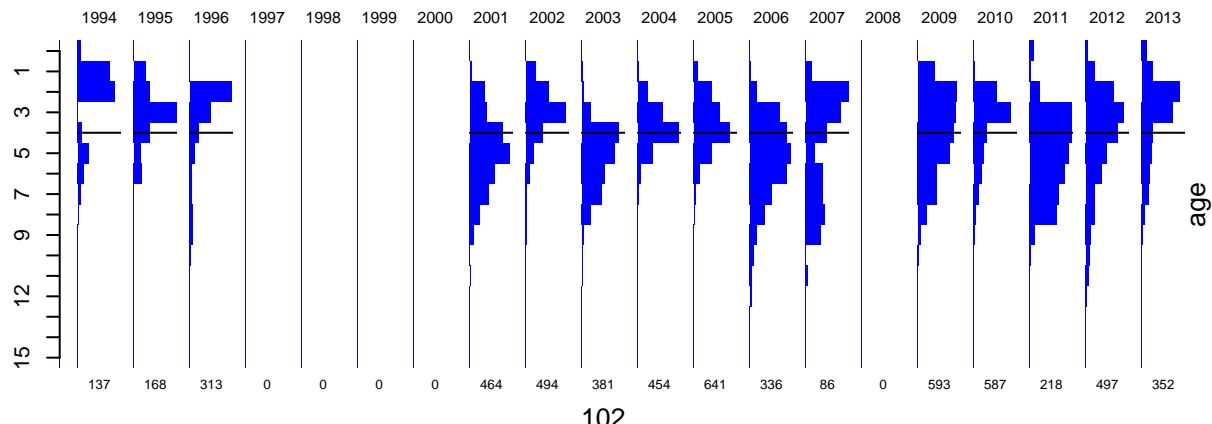
## Port length frequency



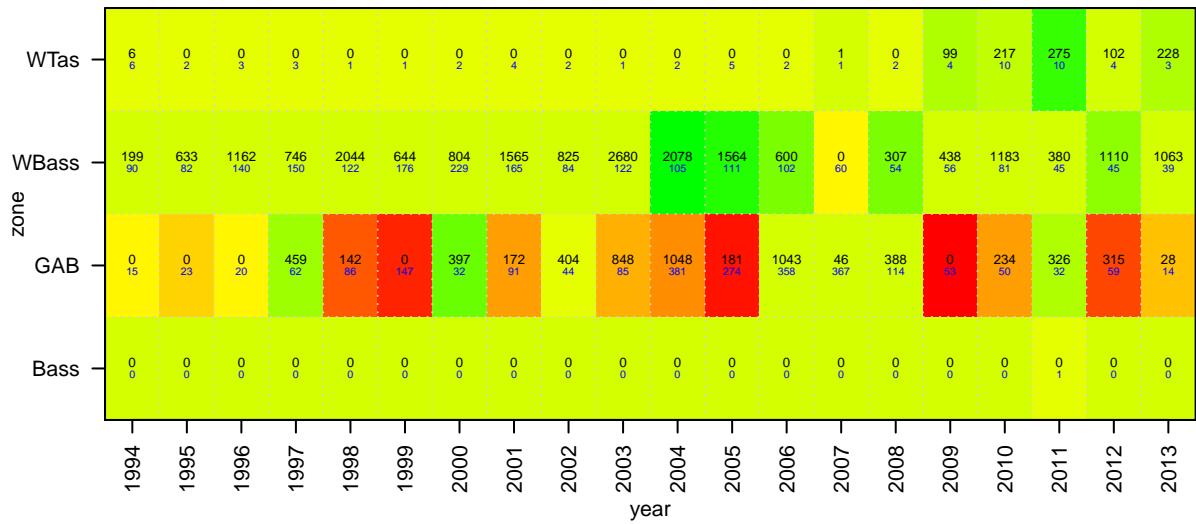
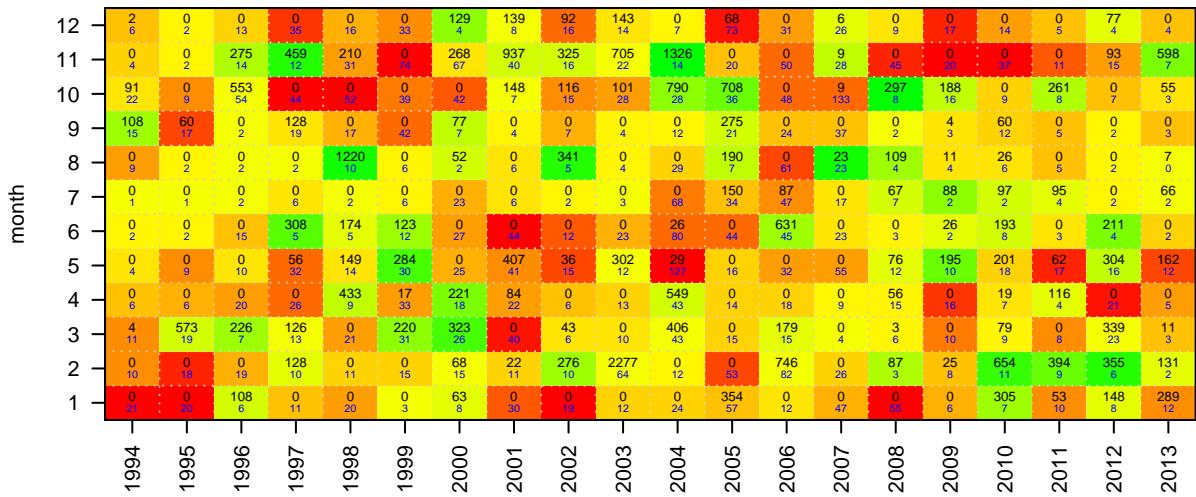
## Onboard length frequency



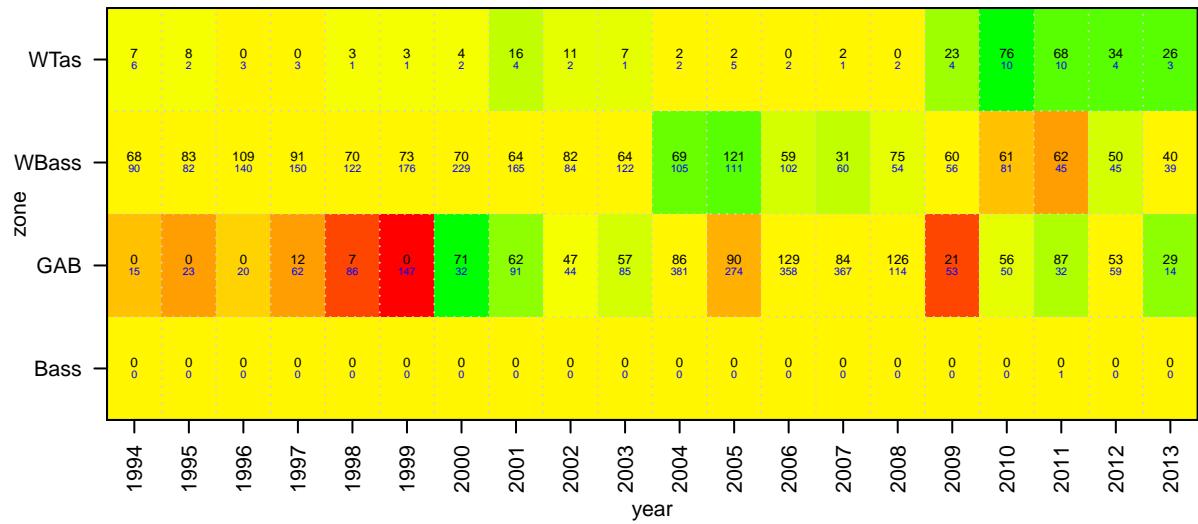
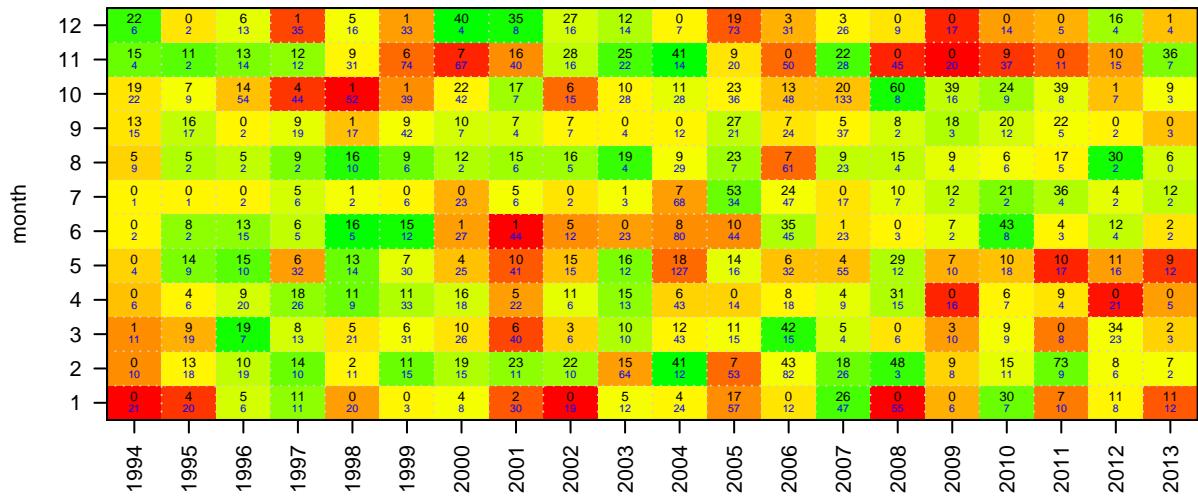
## Age frequency



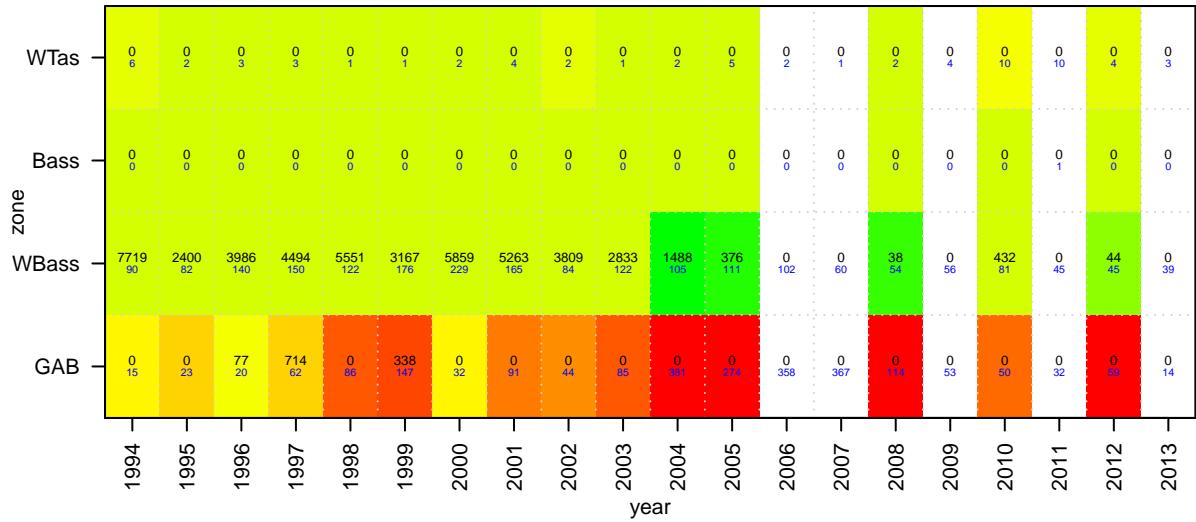
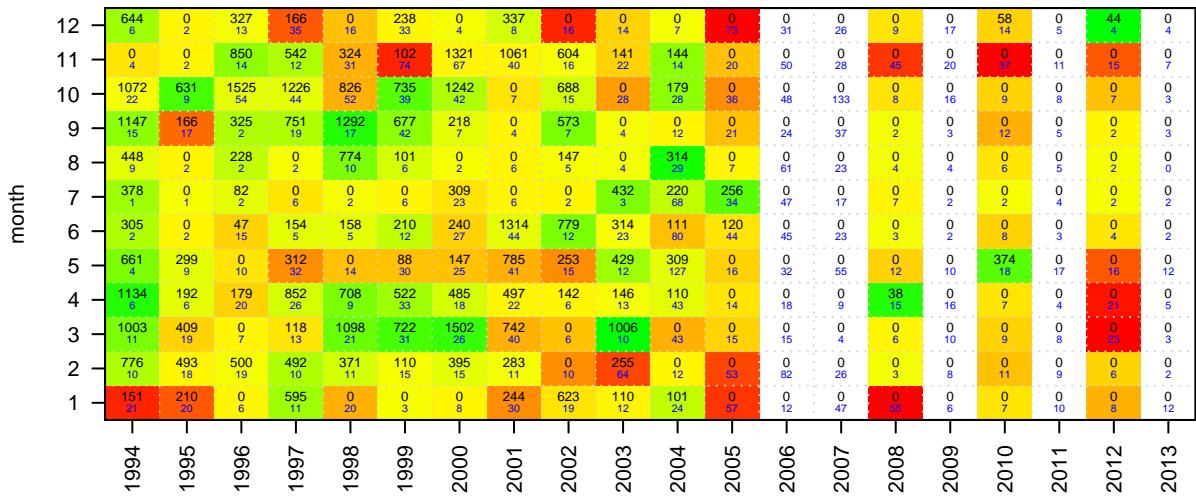
## Onboard length data



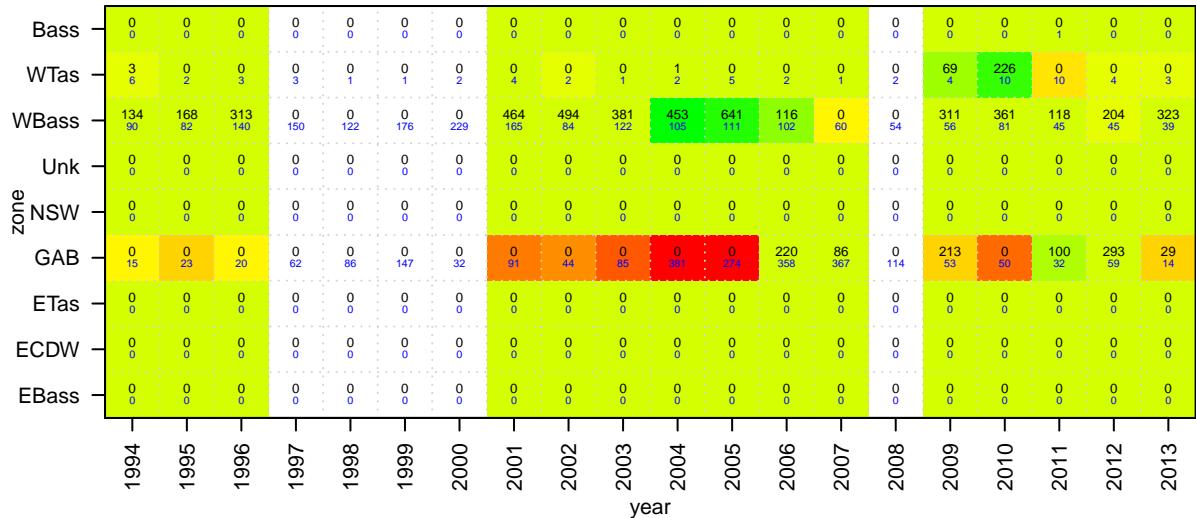
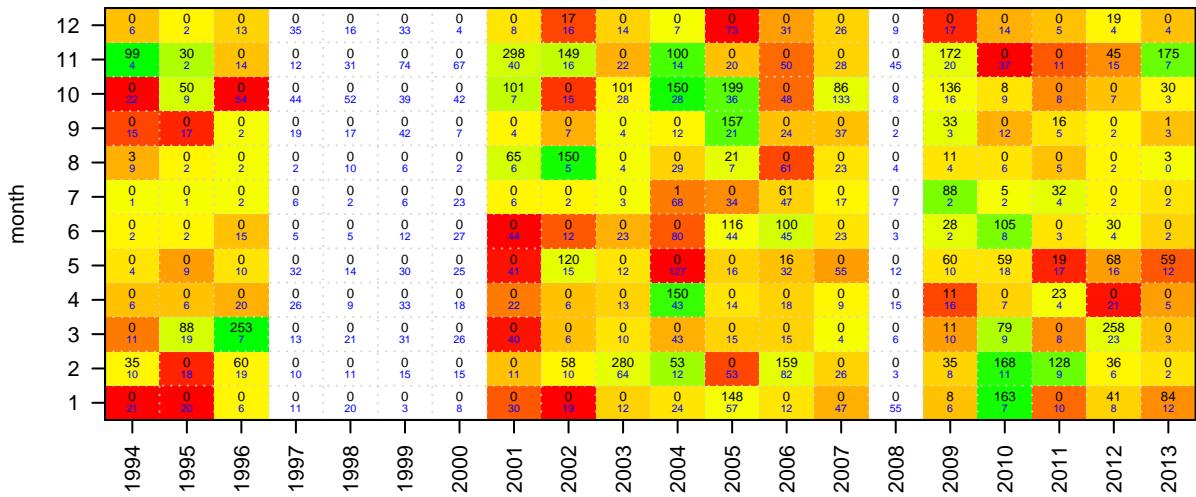
## Onboard discard weight data



## Port length data



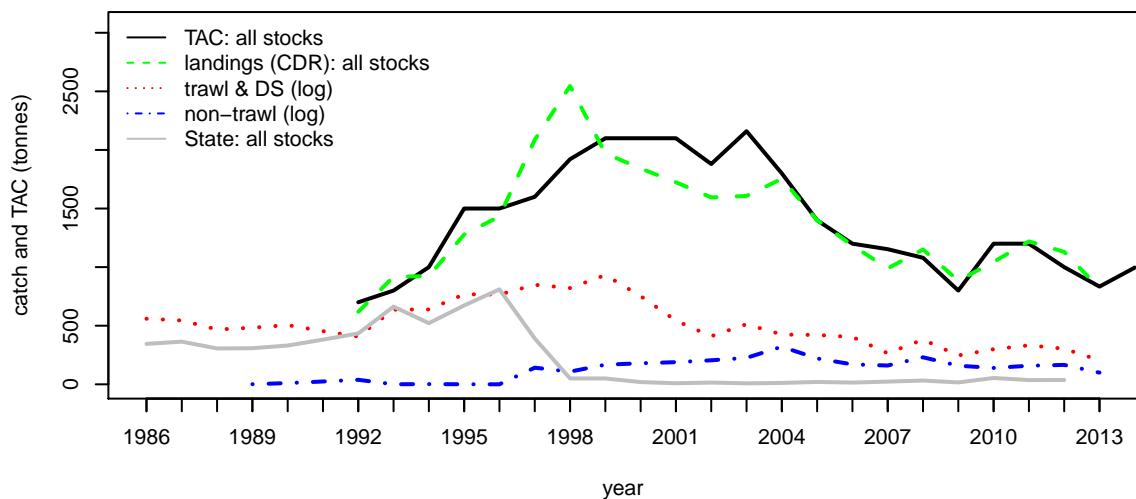
## Age data



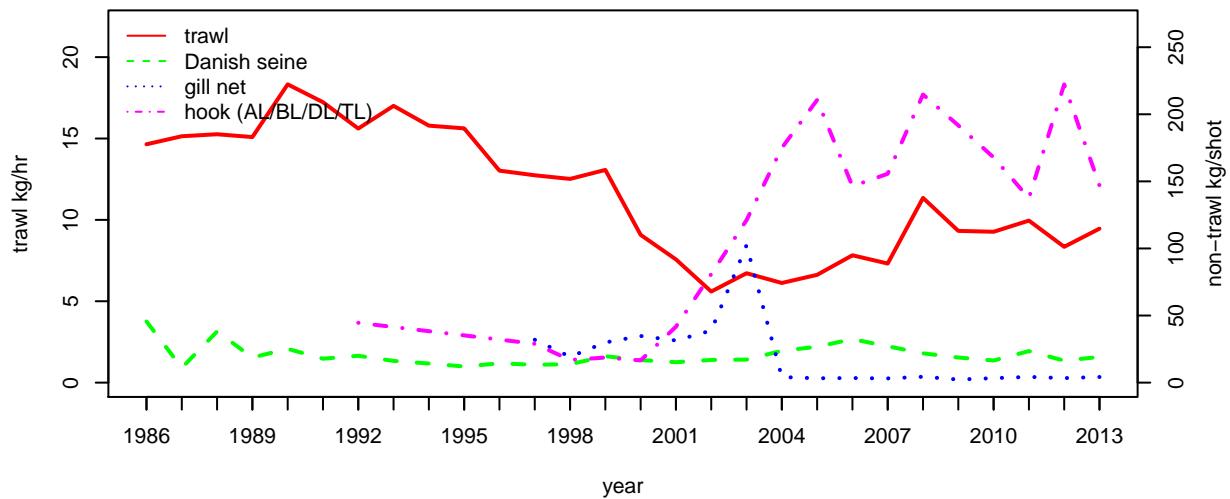
# Pink Ling East

Sat Jul 19 15:29:34 2014  
 region SEFEAST unit code LIG  
 CAAB 37228002 91228002 92228002  
 start month 1

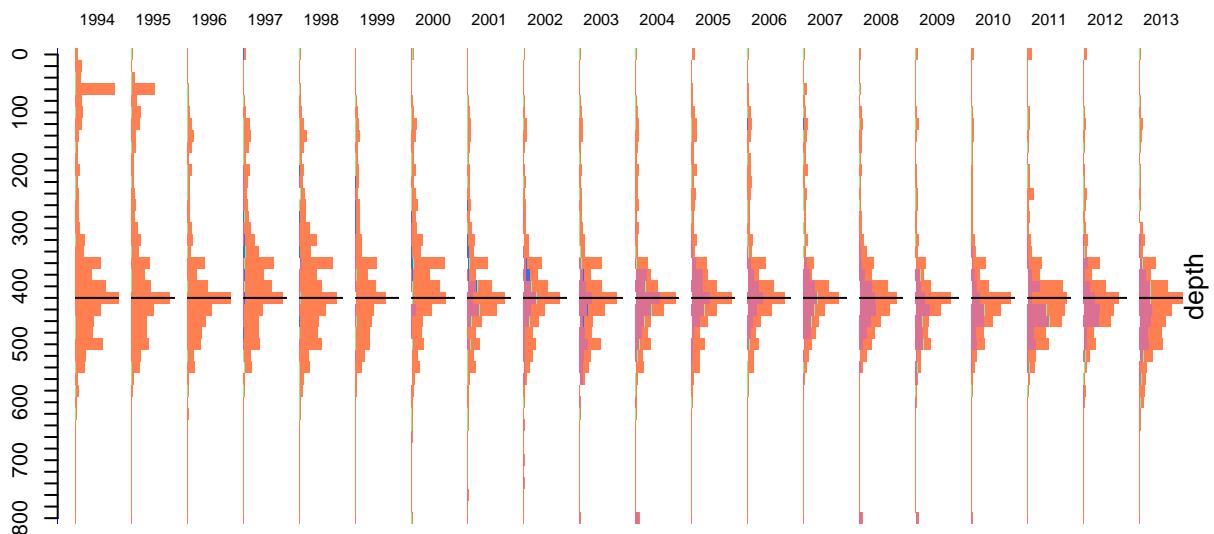
## TAC and landings



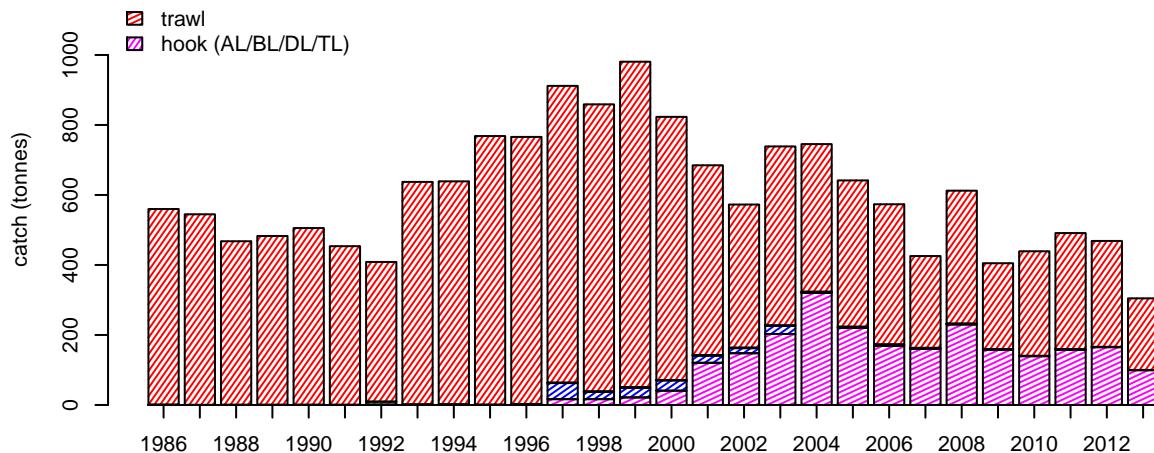
## Geometric mean CPUE



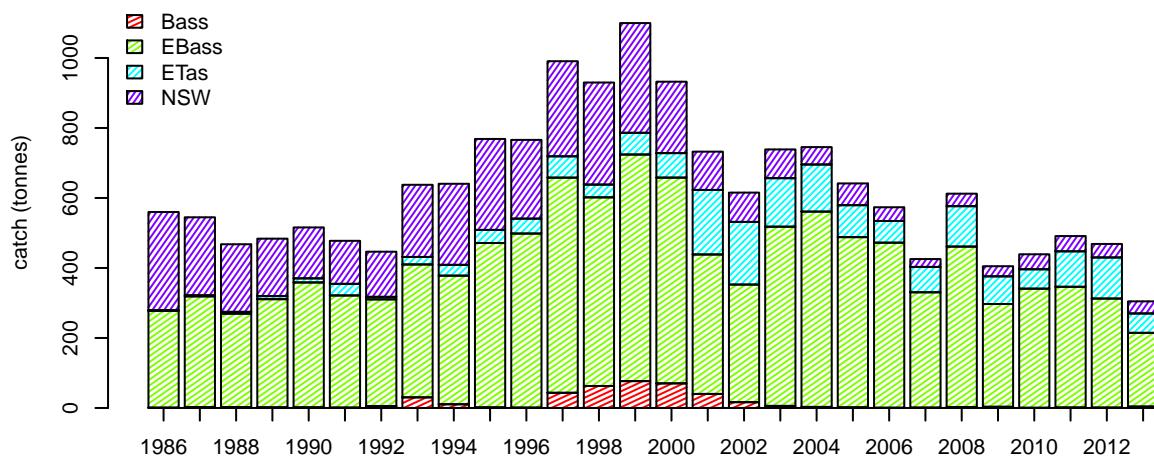
## Catch at depth



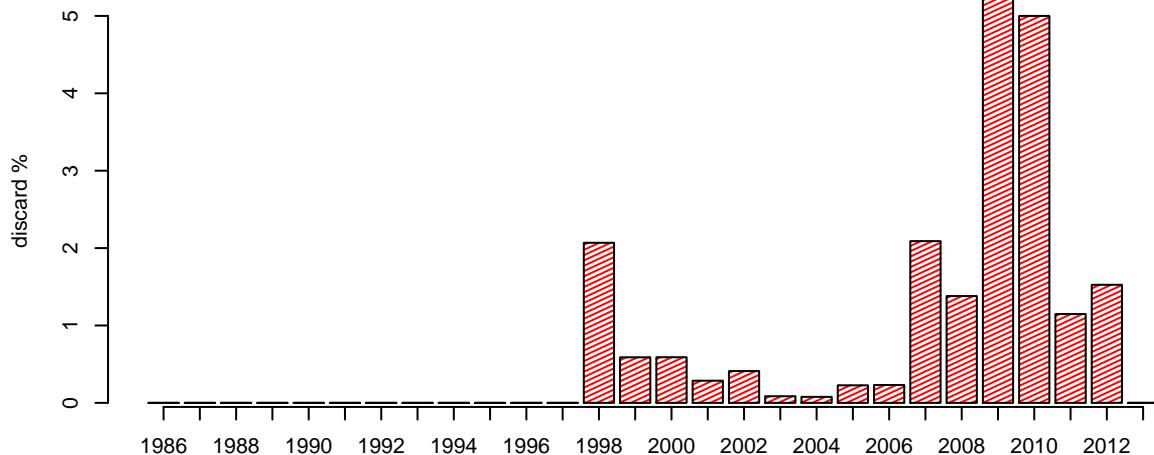
## Catch by gear



## Catch by zone



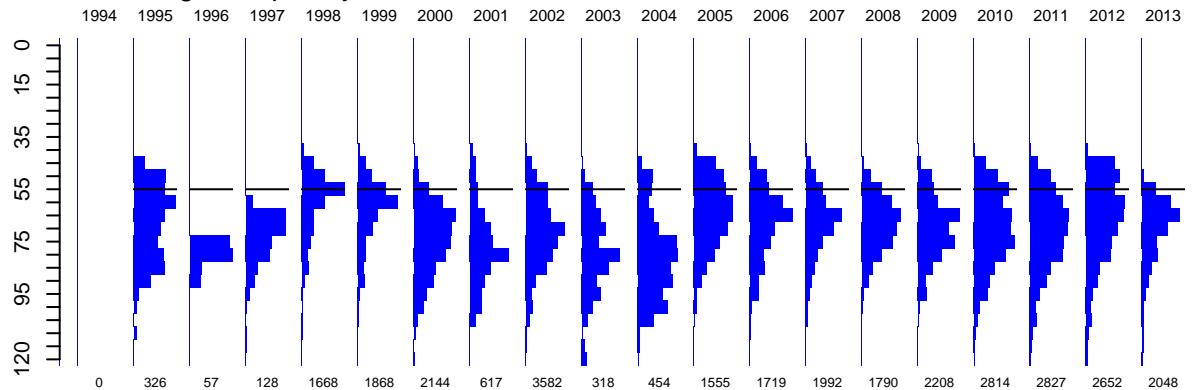
## Discards



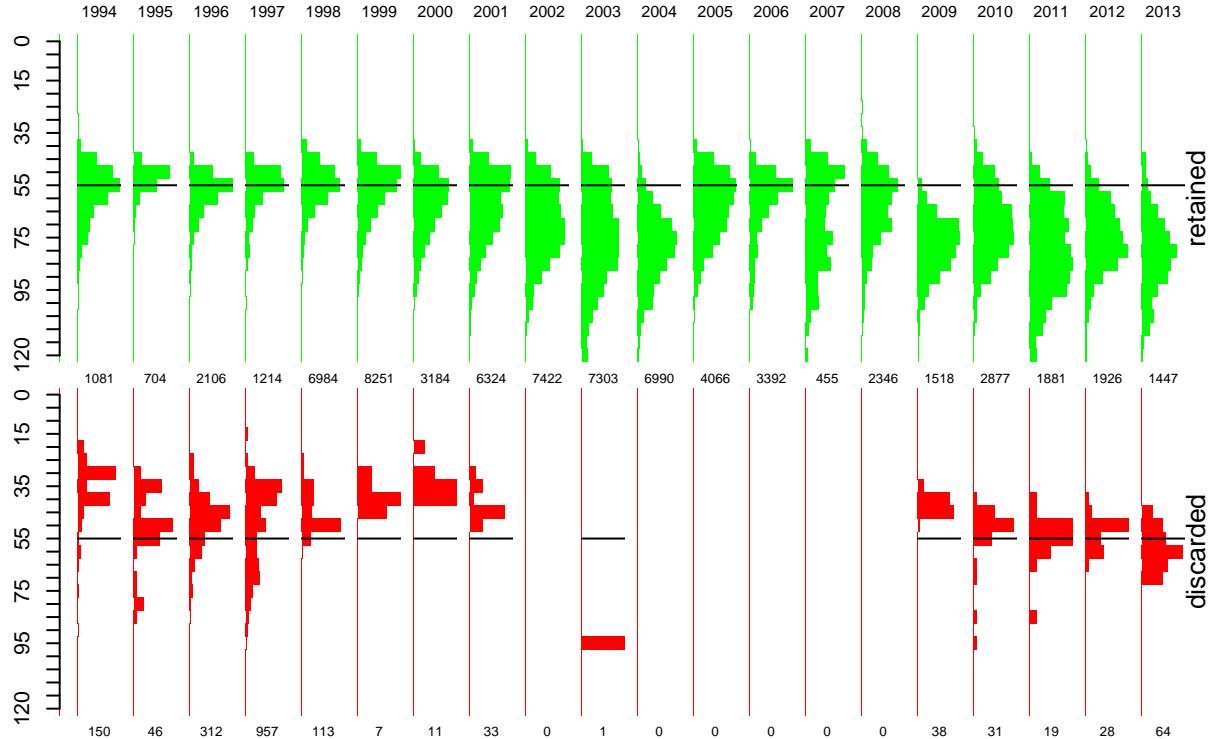
# Pink Ling East

Sat Jul 19 15:30:07 2014

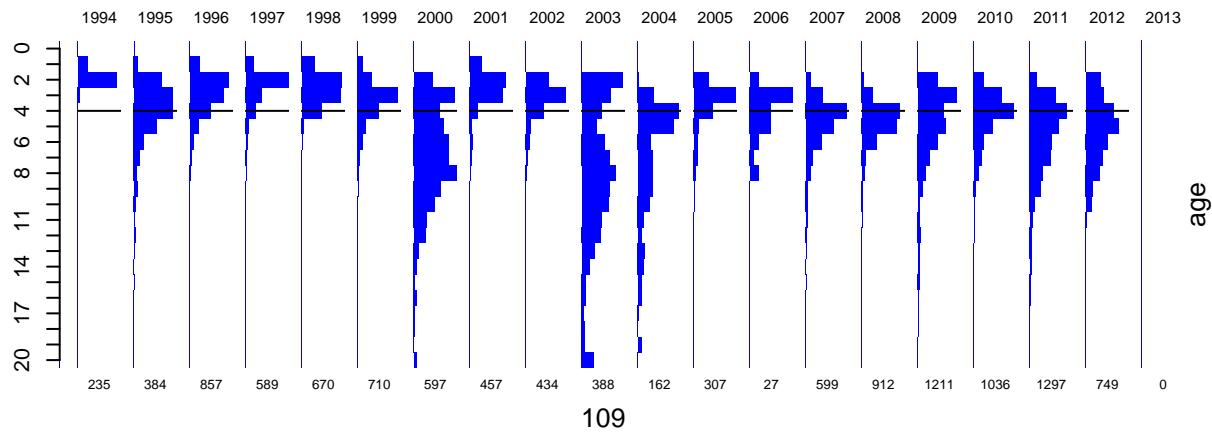
## Port length frequency



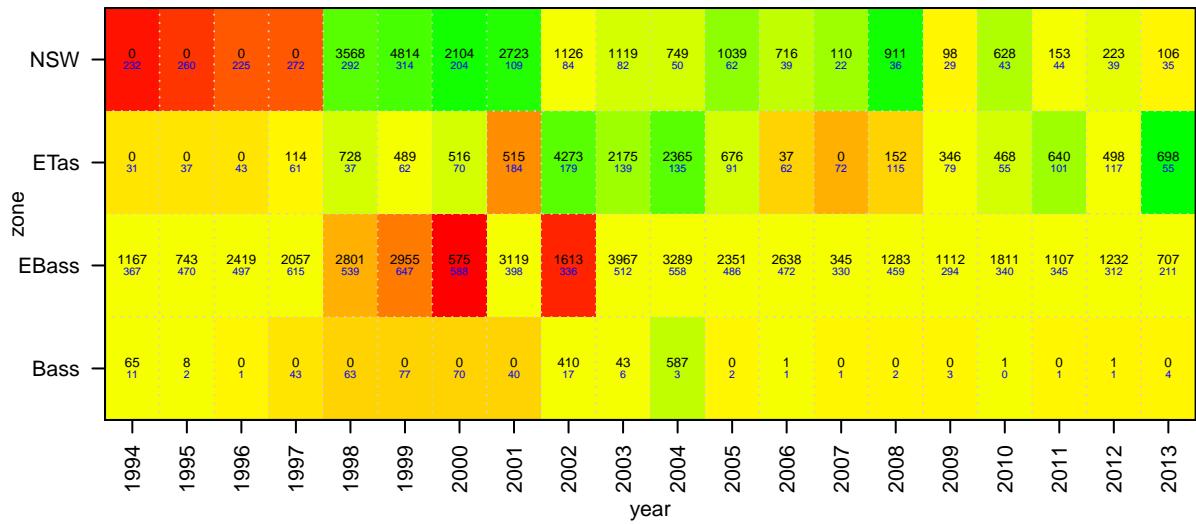
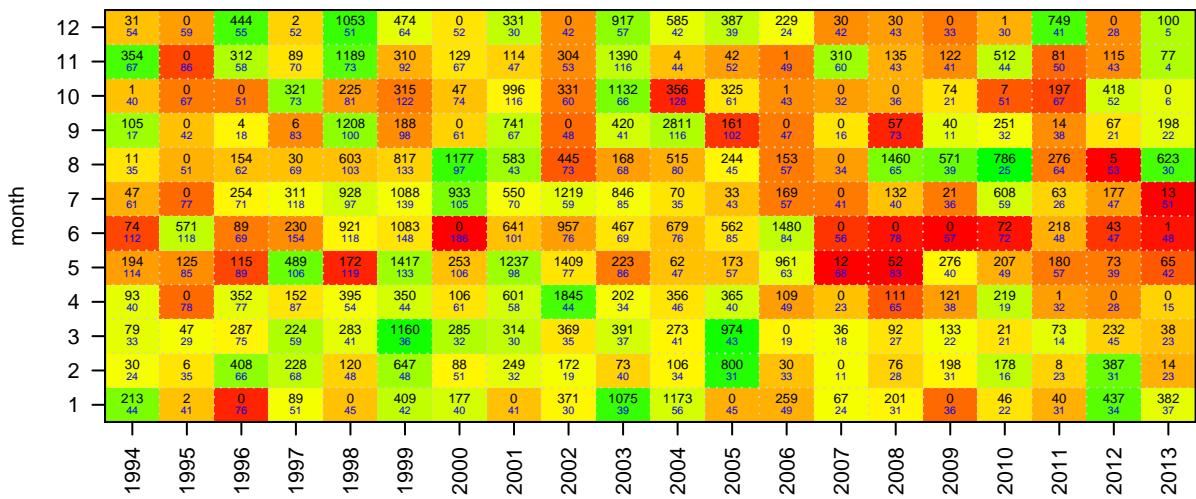
## Onboard length frequency



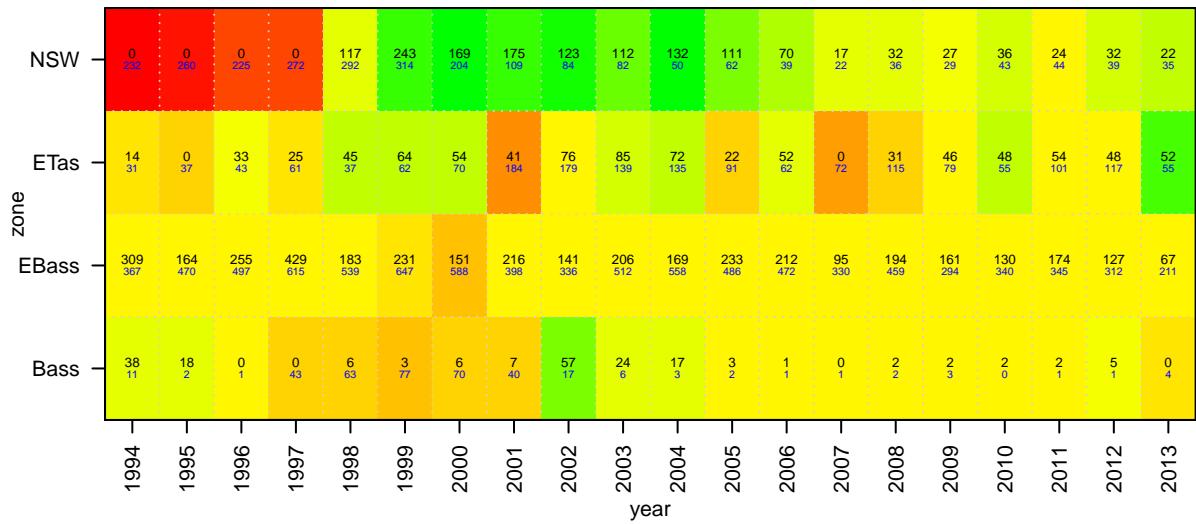
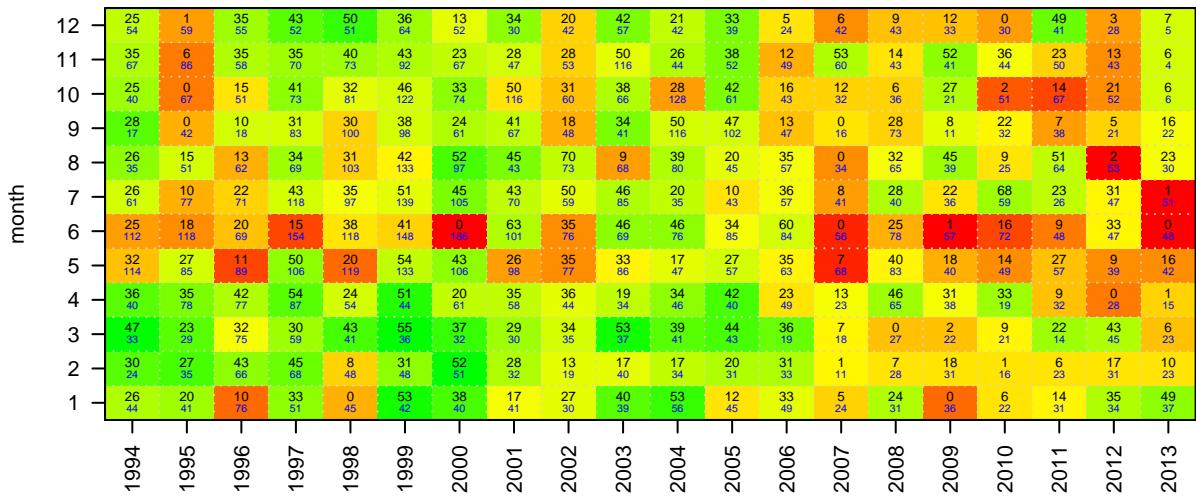
## Age frequency



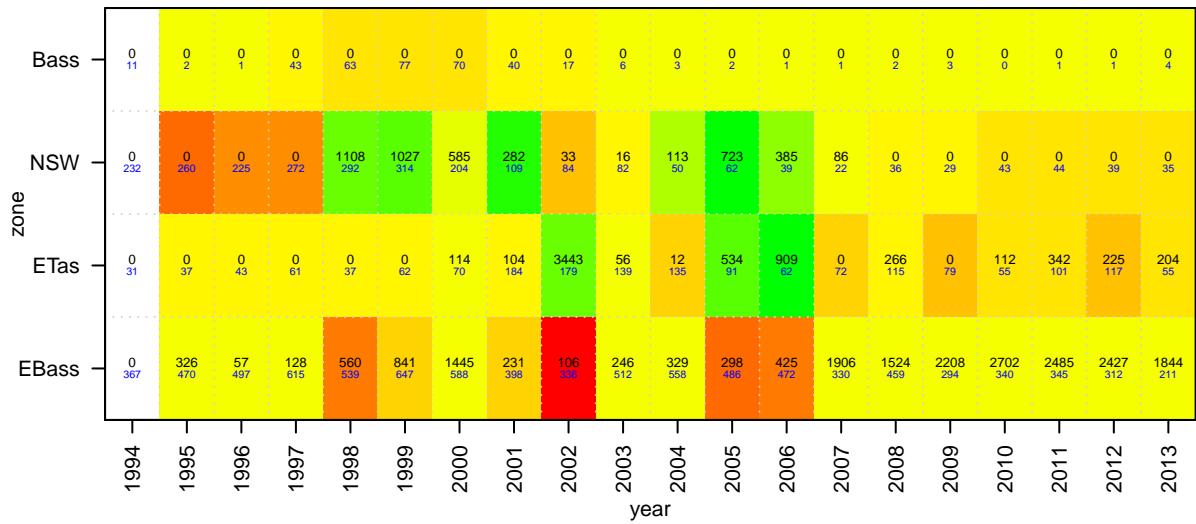
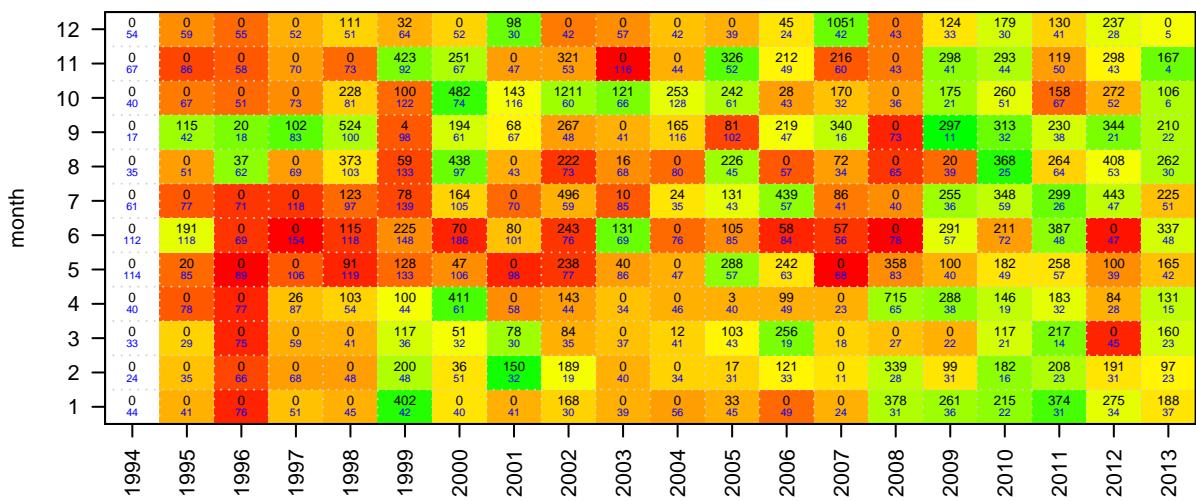
## Onboard length data



## Onboard discard weight data



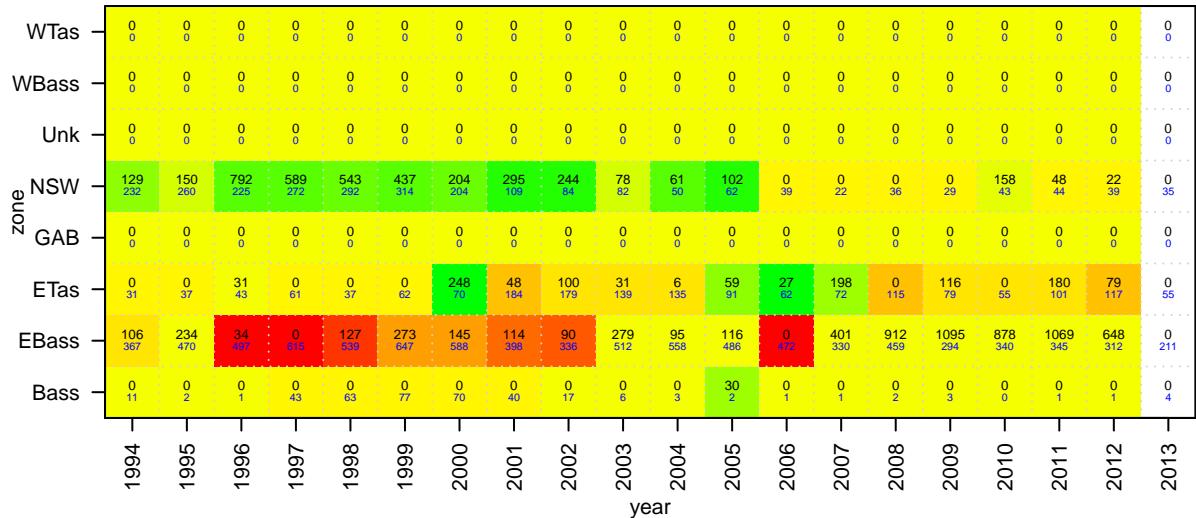
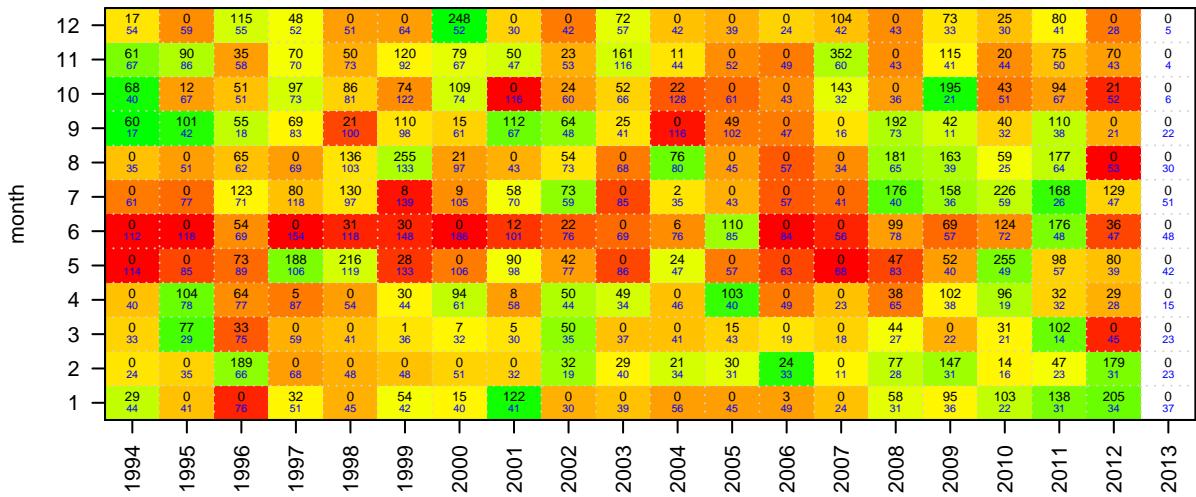
## Port length data



# Pink Ling East

Sat Jul 19 15:30:30 2014

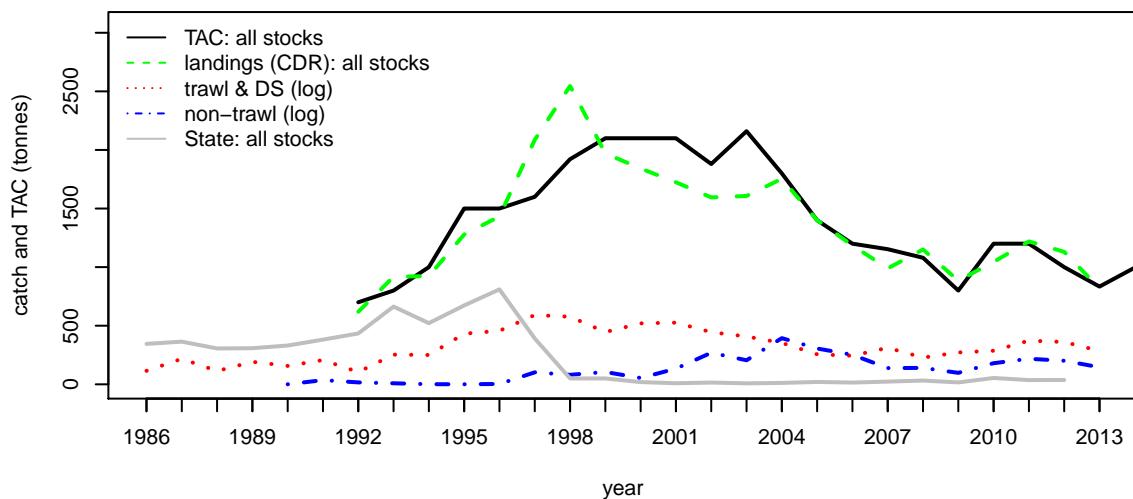
## Age data



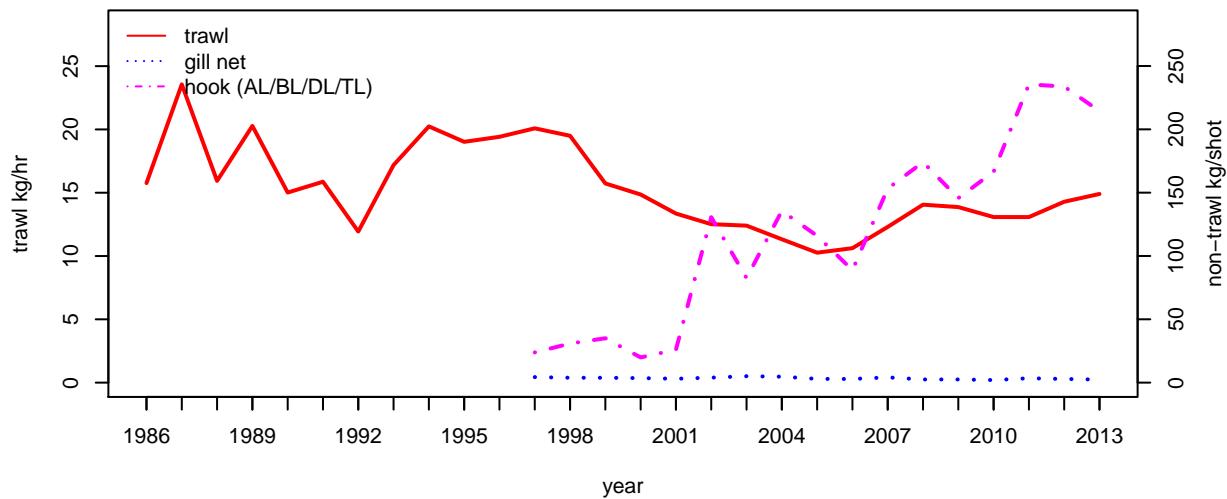
# Pink Ling West

Sat Jul 19 15:35:25 2014  
 region SEFGWEST unit code LIG  
 CAAB 37228002 91228002 92228002  
 start month 1

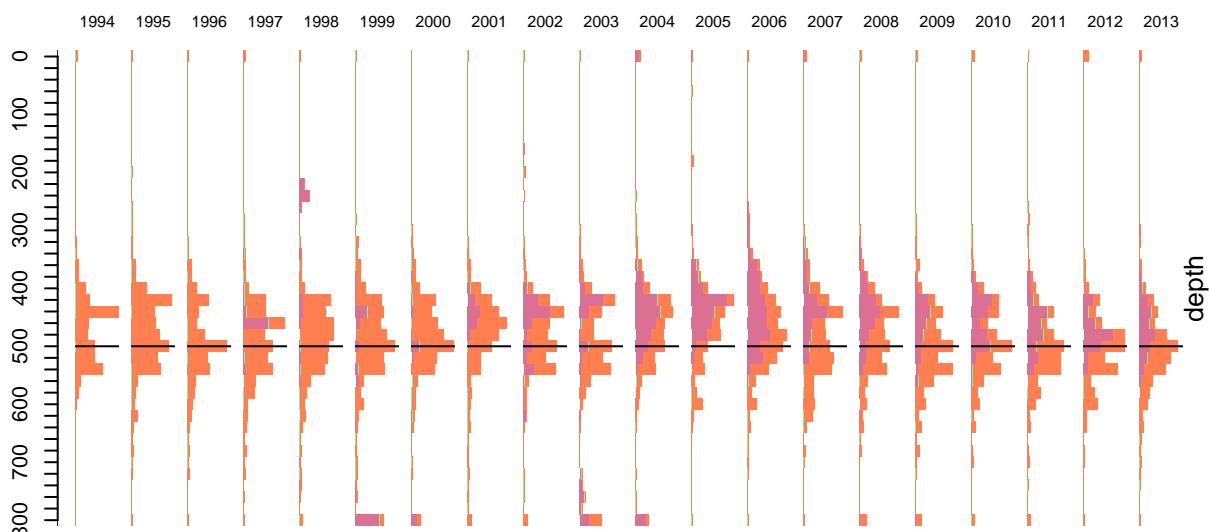
## TAC and landings



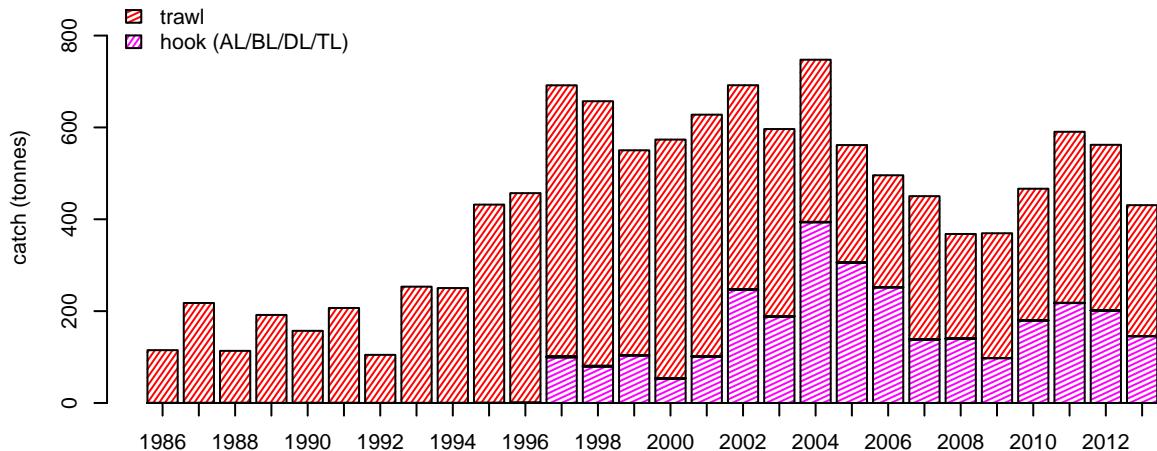
## Geometric mean CPUE



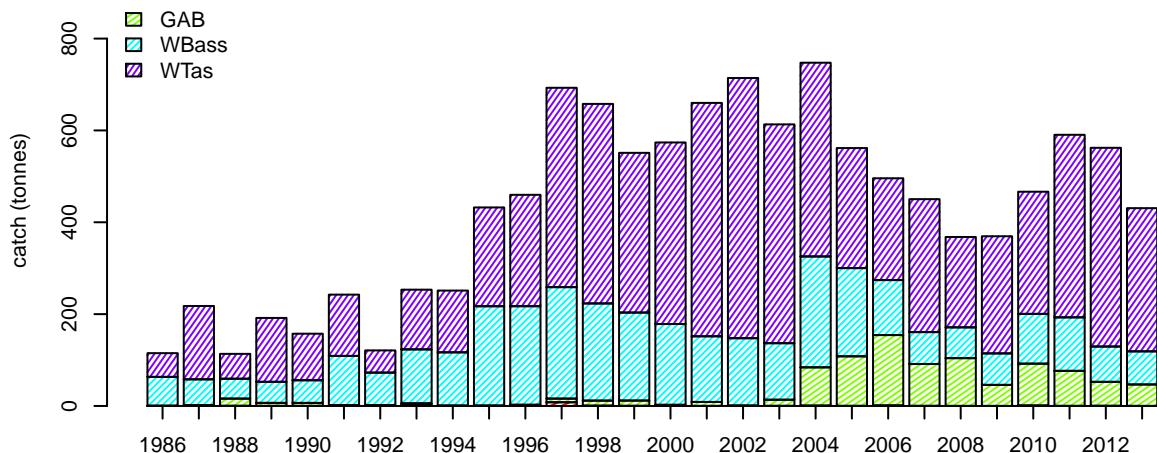
## Catch at depth



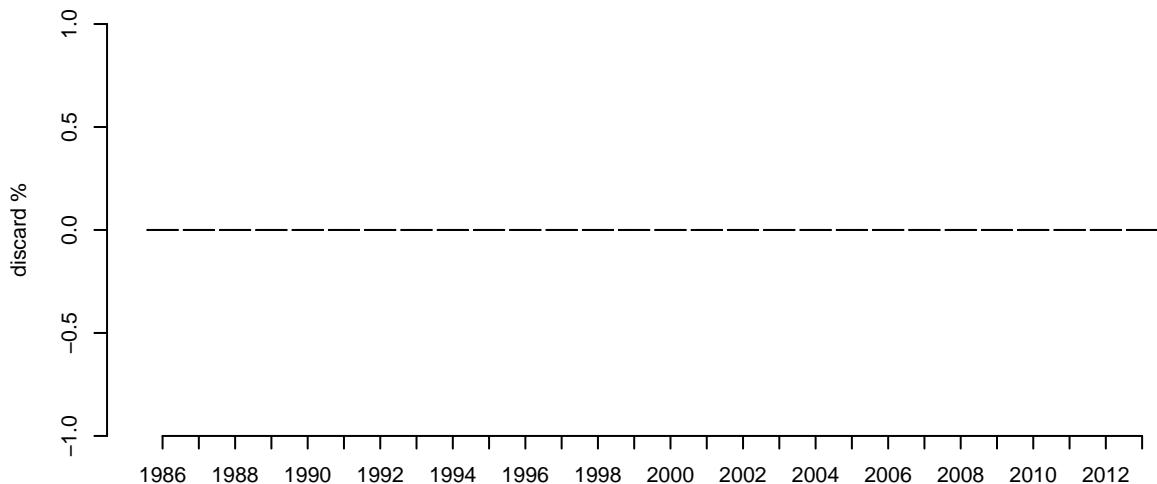
## Catch by gear



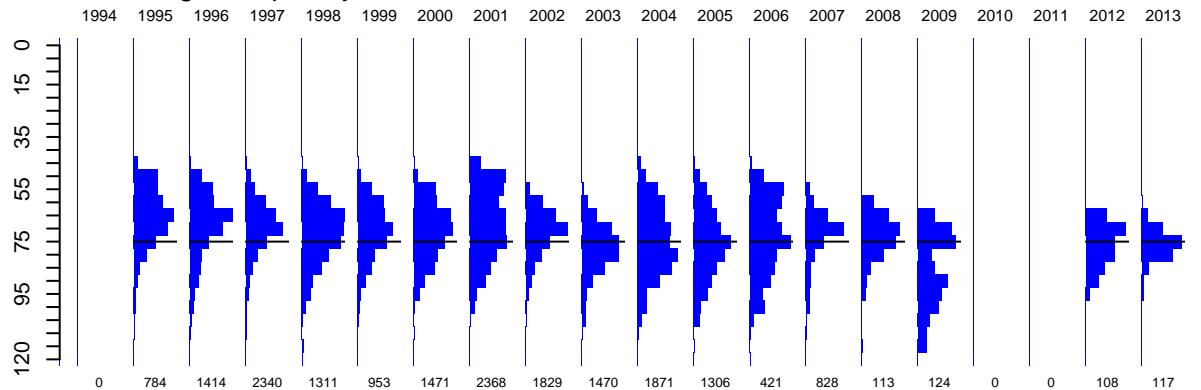
## Catch by zone



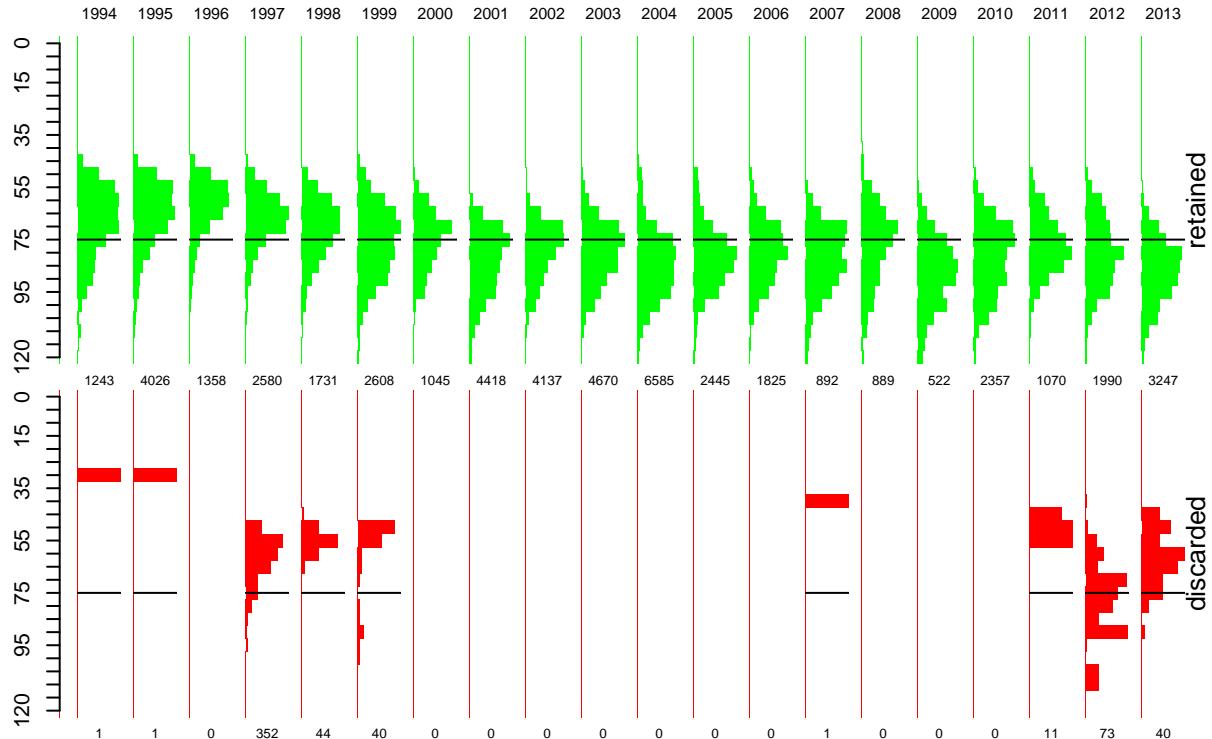
## Discards



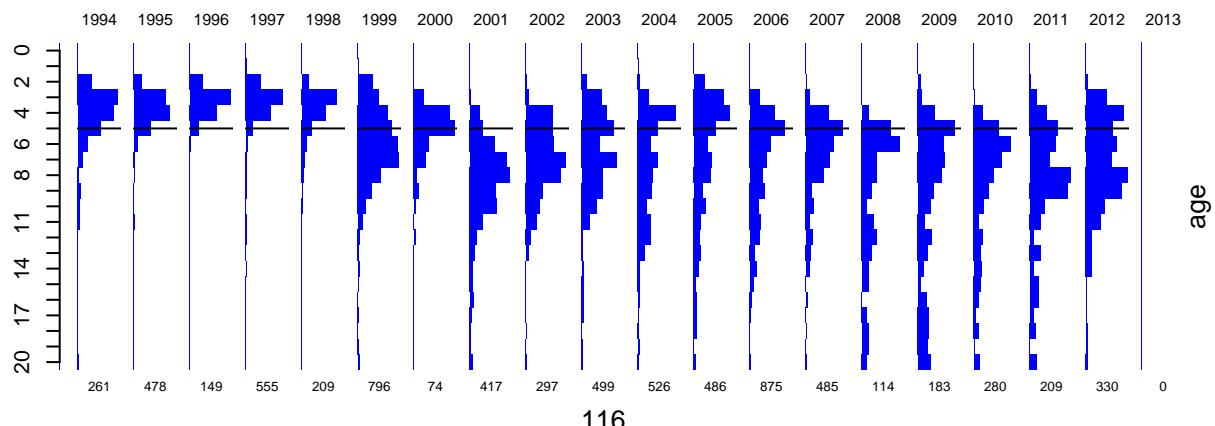
## Port length frequency



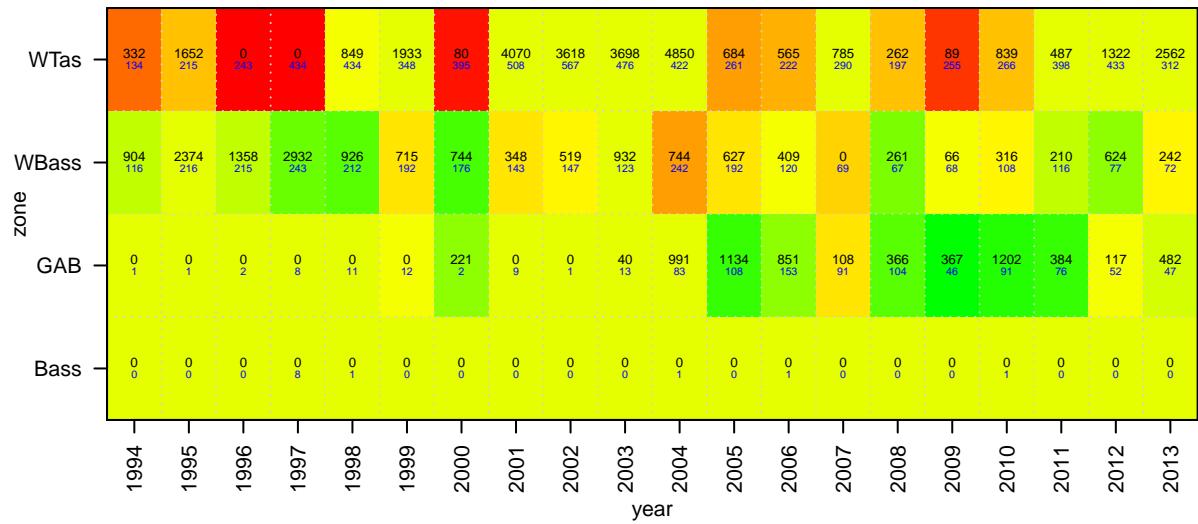
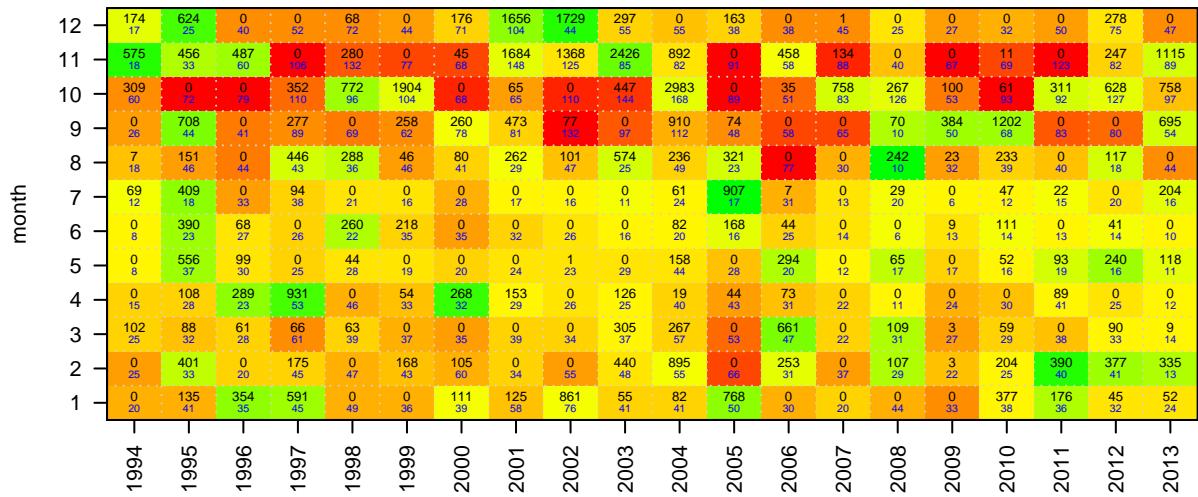
## Onboard length frequency



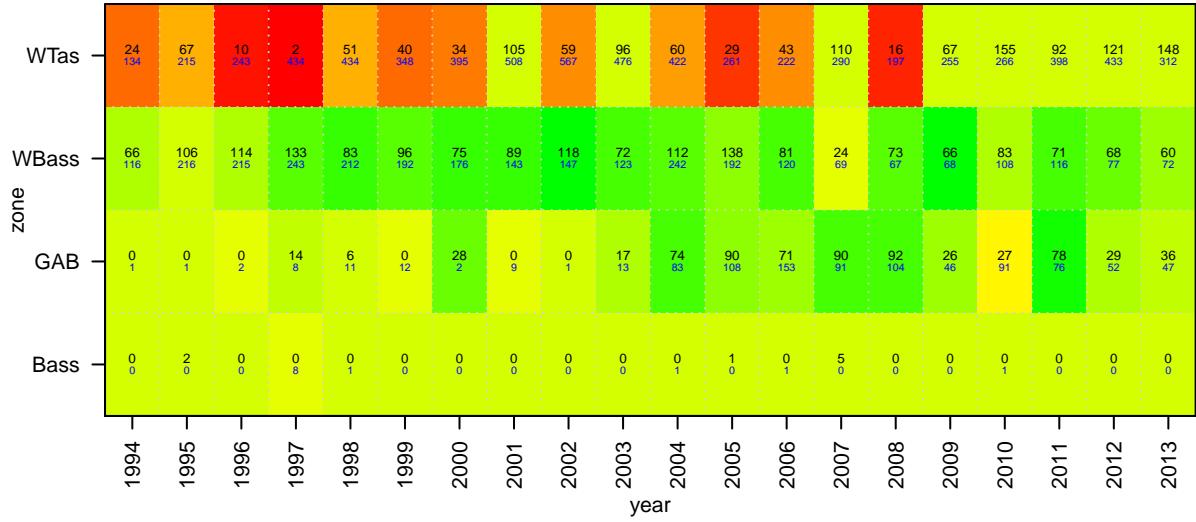
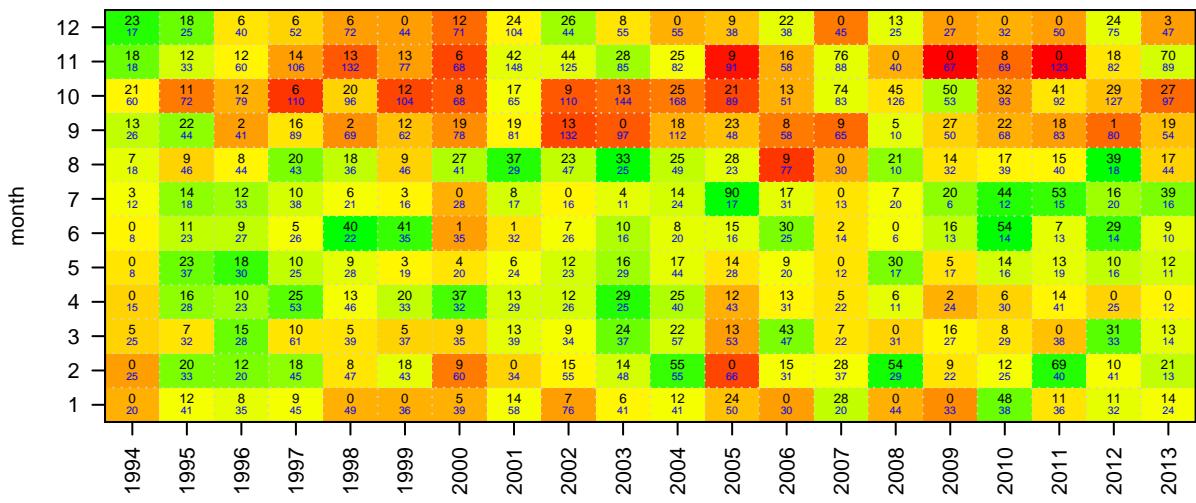
## Age frequency



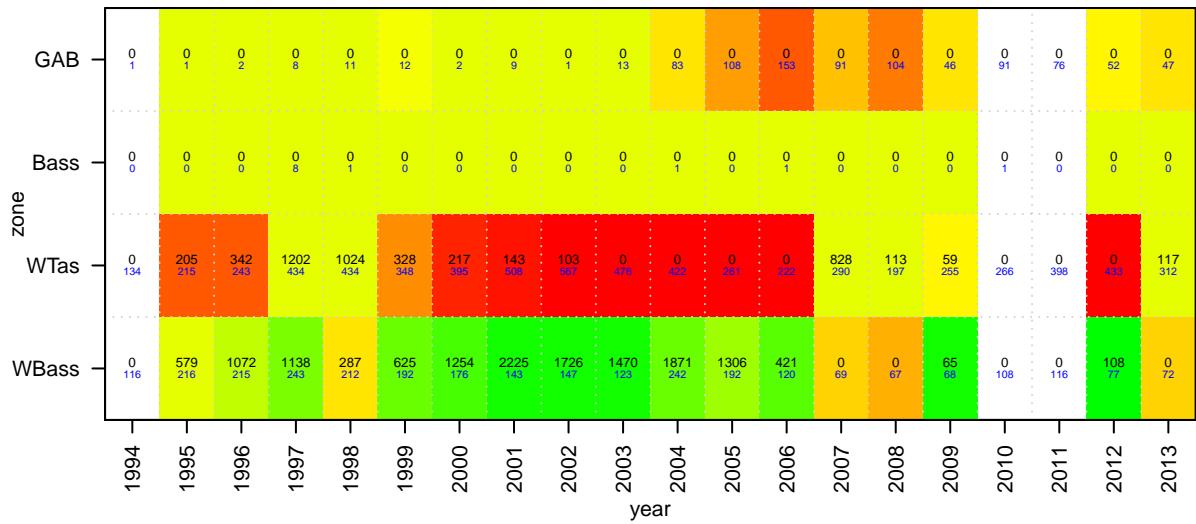
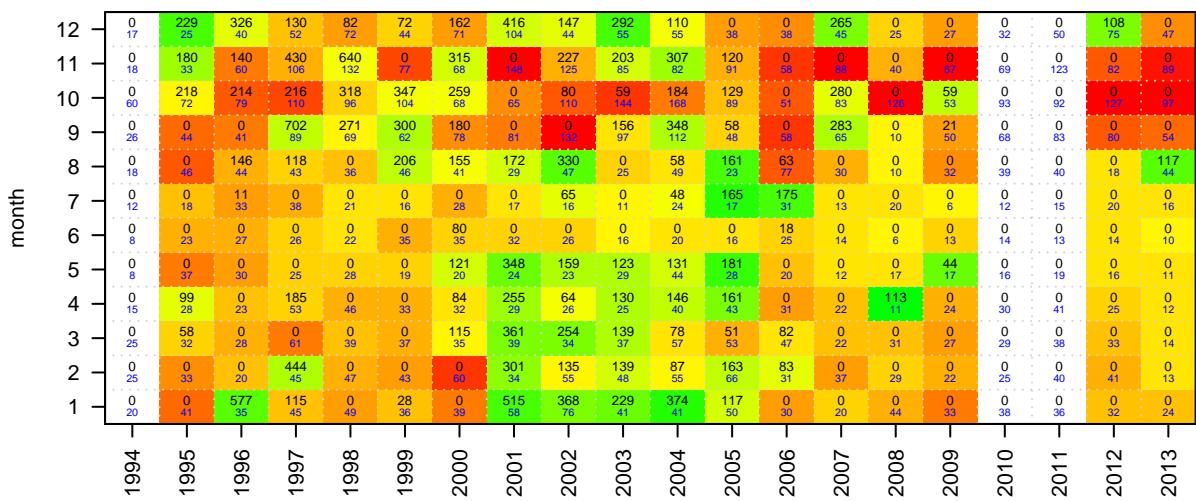
## Onboard length data



## Onboard discard weight data



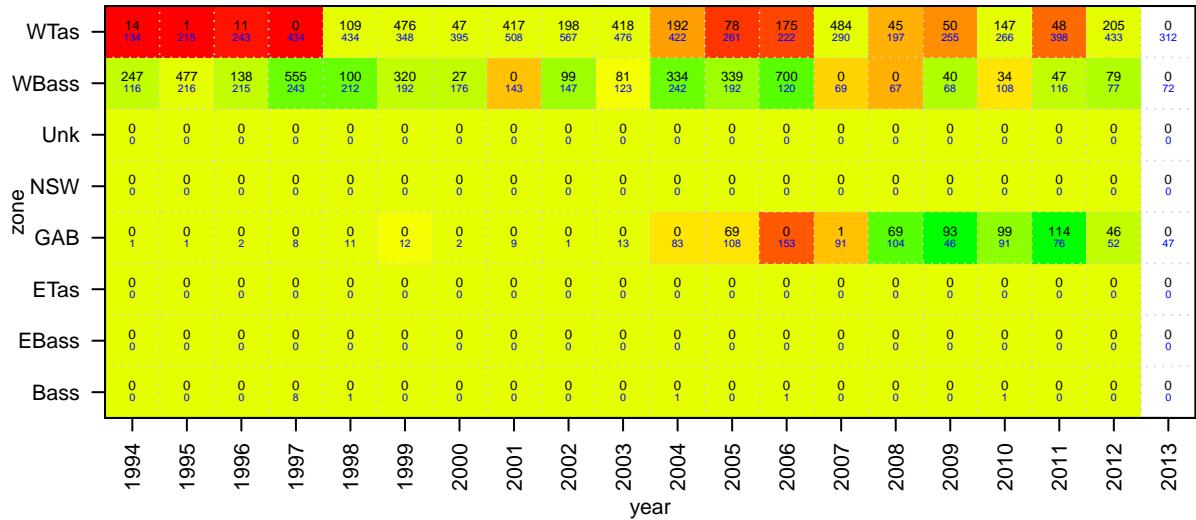
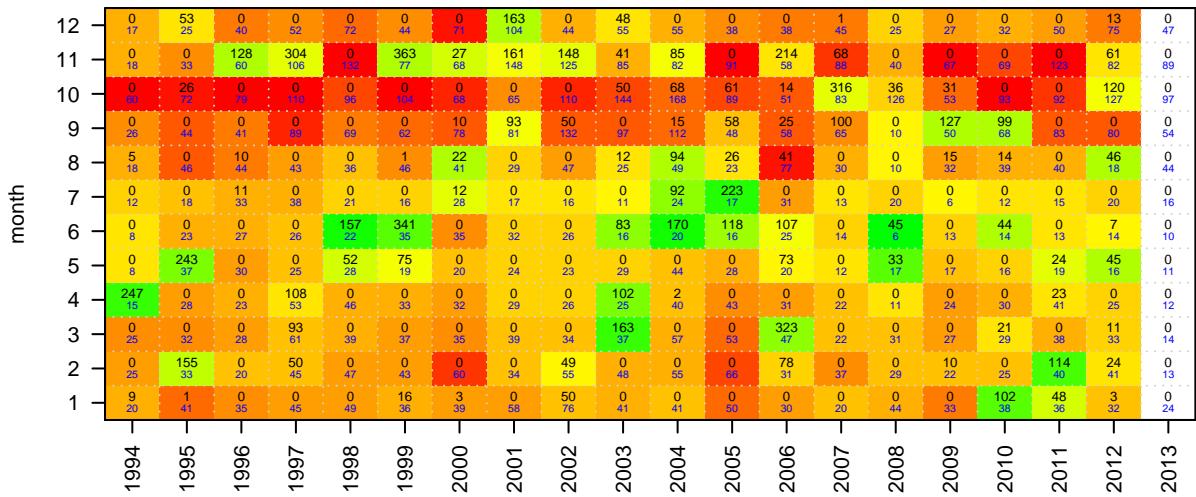
## Port length data



# Pink Ling West

Sat Jul 19 15:36:00 2014

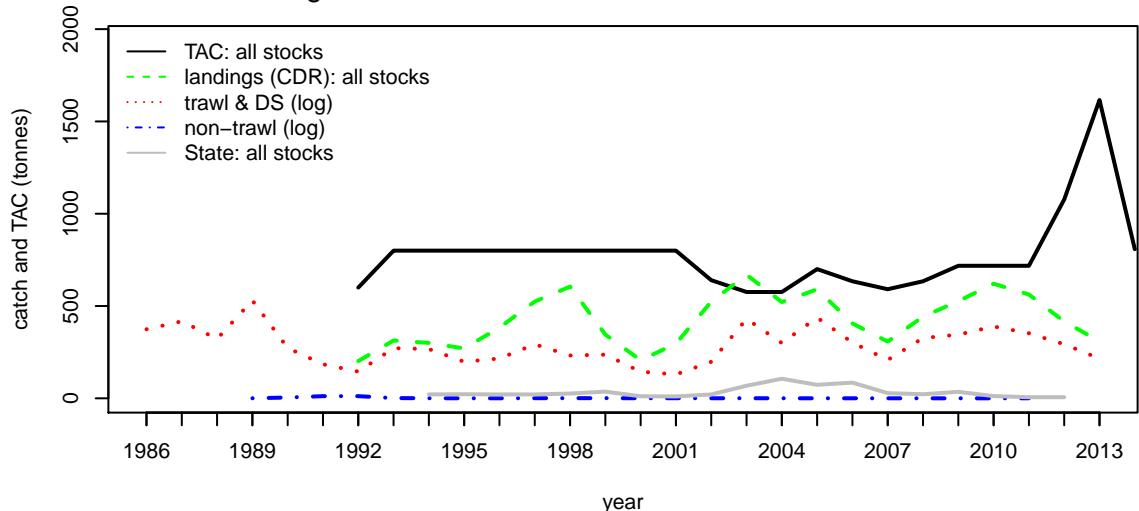
## Age data



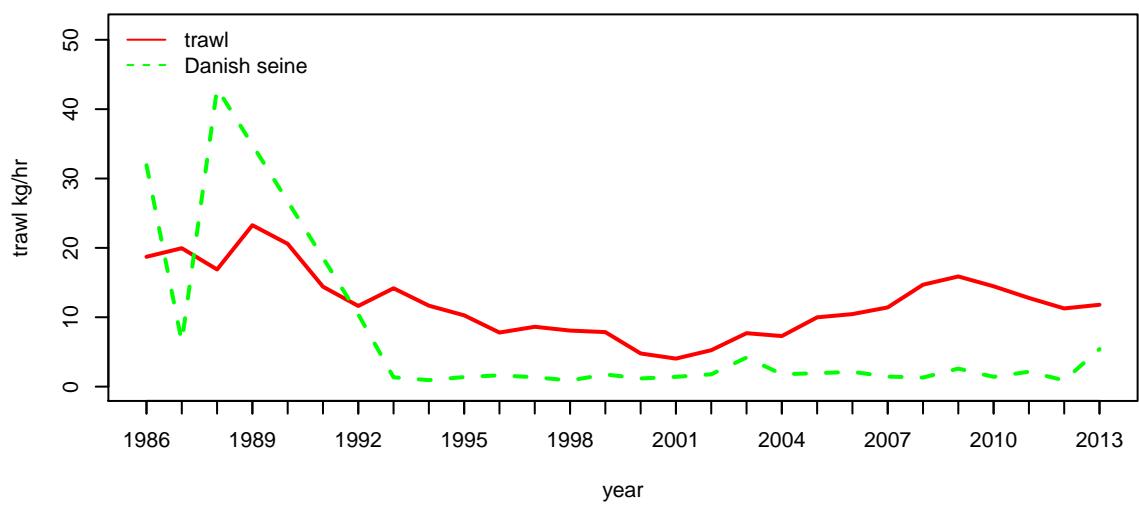
# Mirror Dory East

Sat Jul 19 15:37:03 2014  
 region SEFEAST unit code DOM  
 CAAB 37264003  
 start month 1

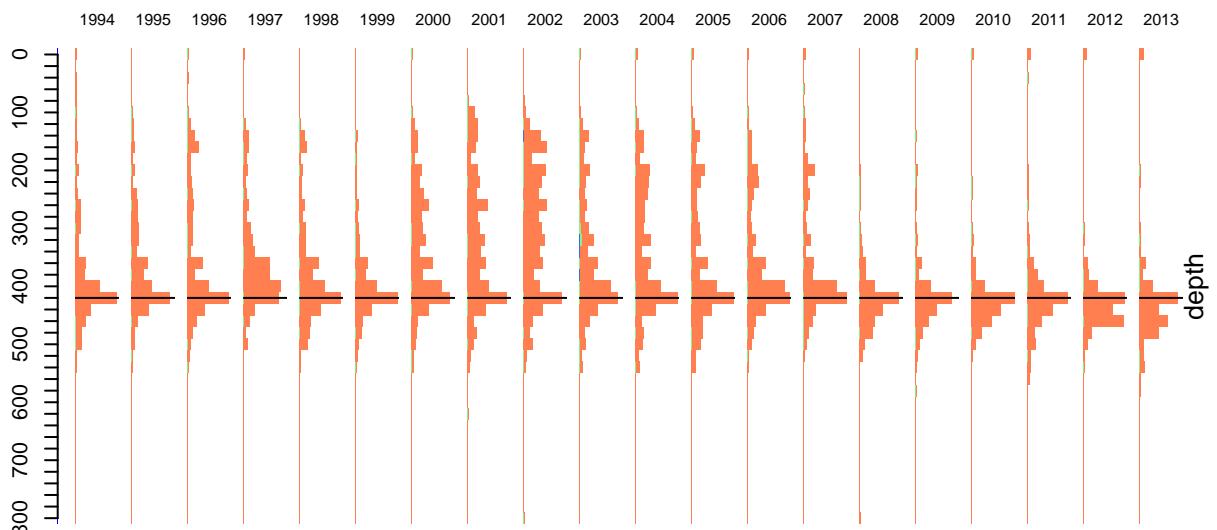
## TAC and landings



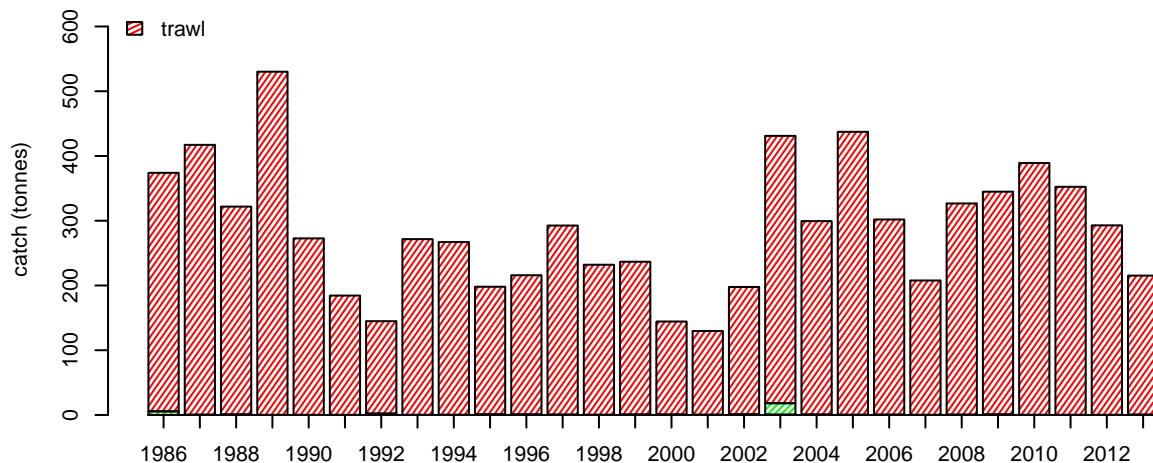
## Geometric mean CPUE



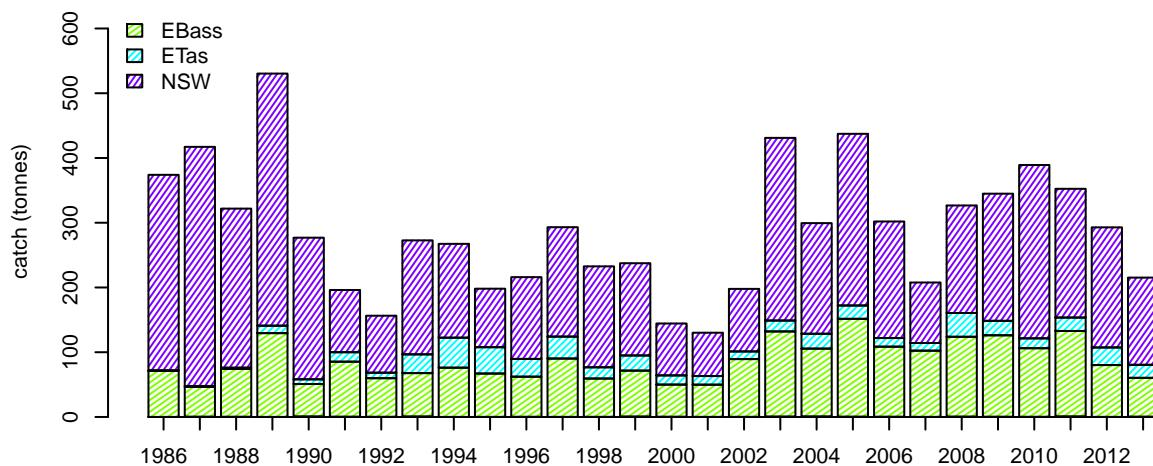
## Catch at depth



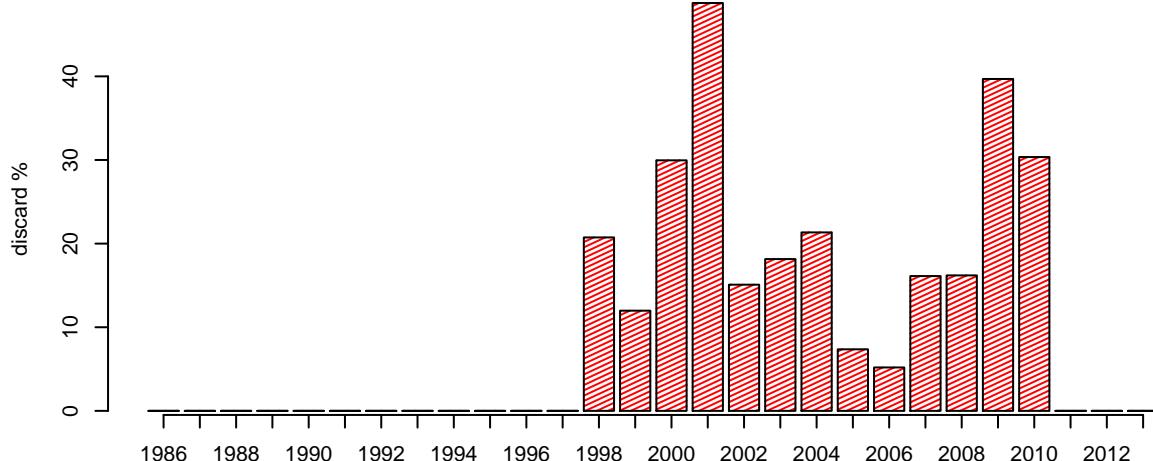
## Catch by gear



## Catch by zone



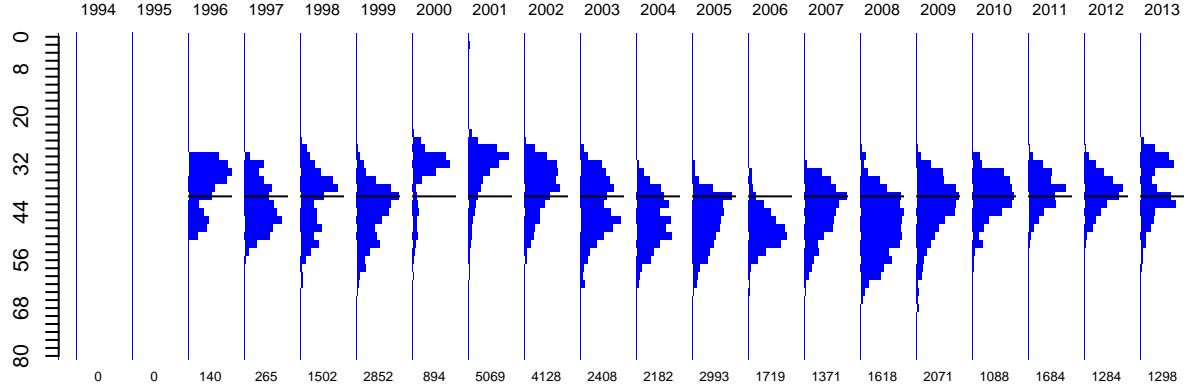
## Discards



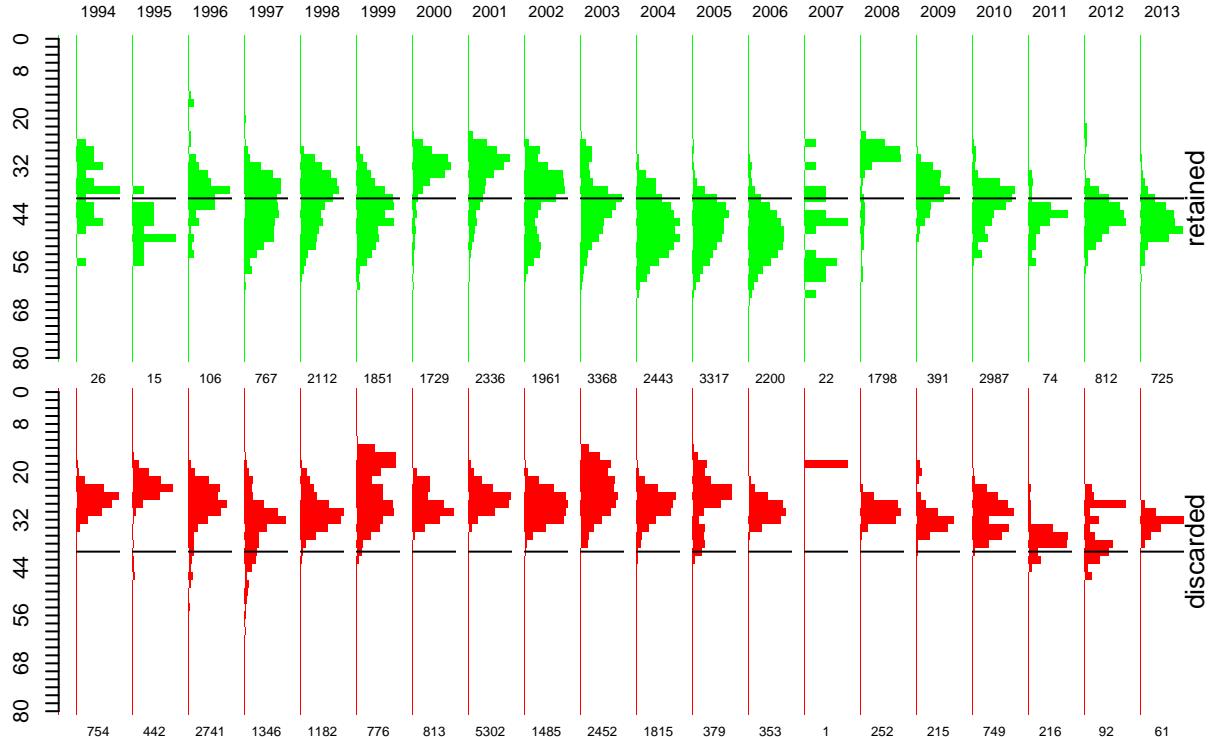
# Mirror Dory East

Sat Jul 19 15:37:22 2014

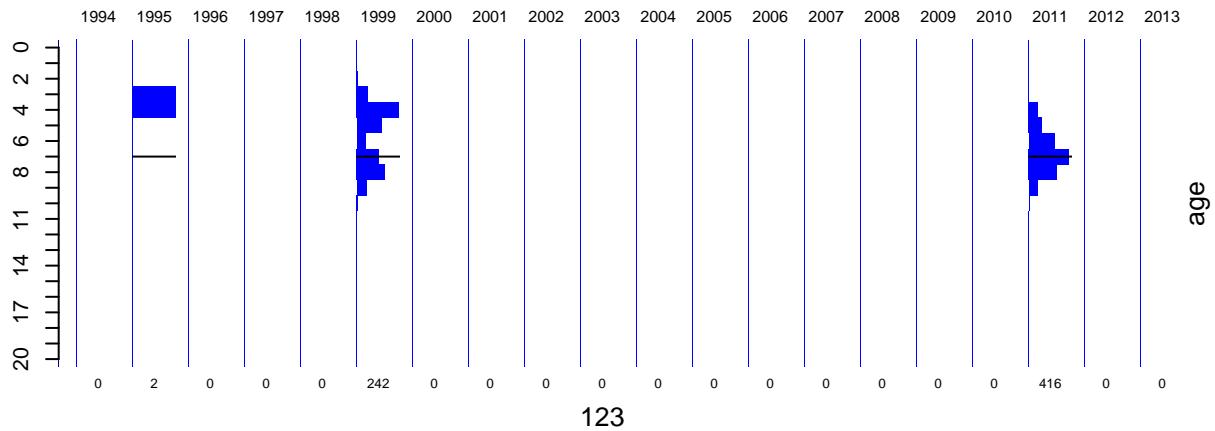
## Port length frequency



## Onboard length frequency



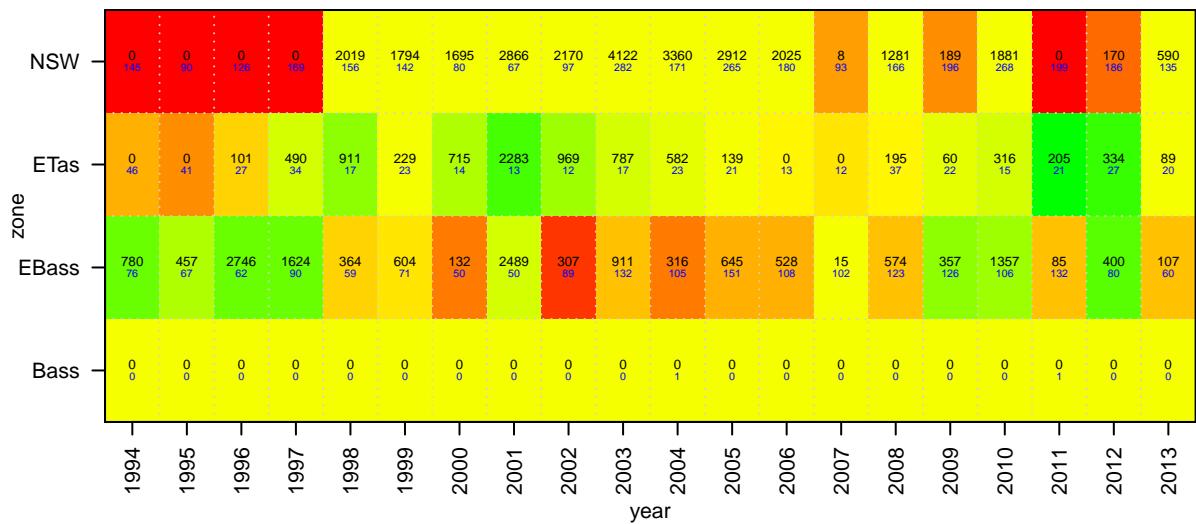
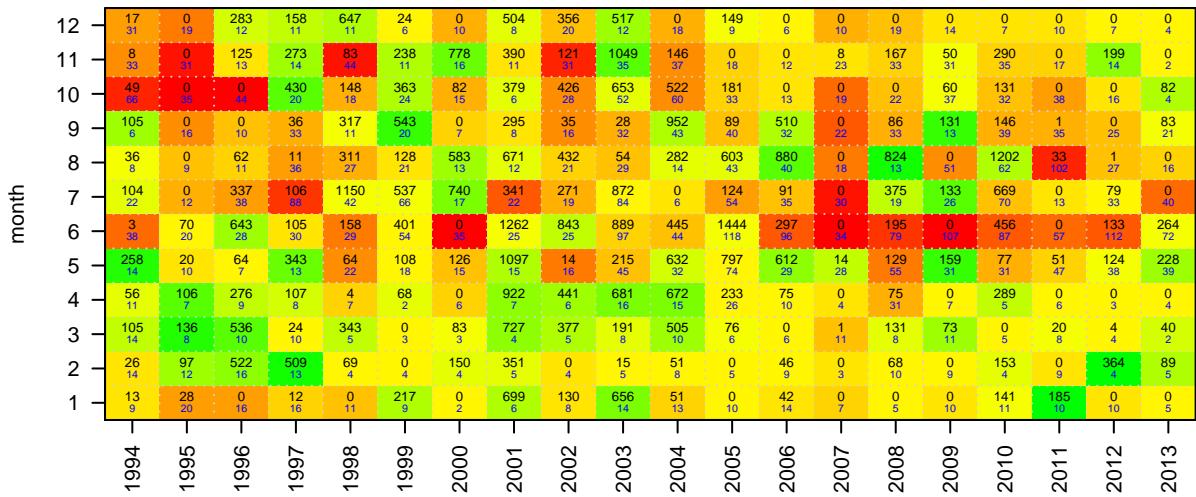
## Age frequency



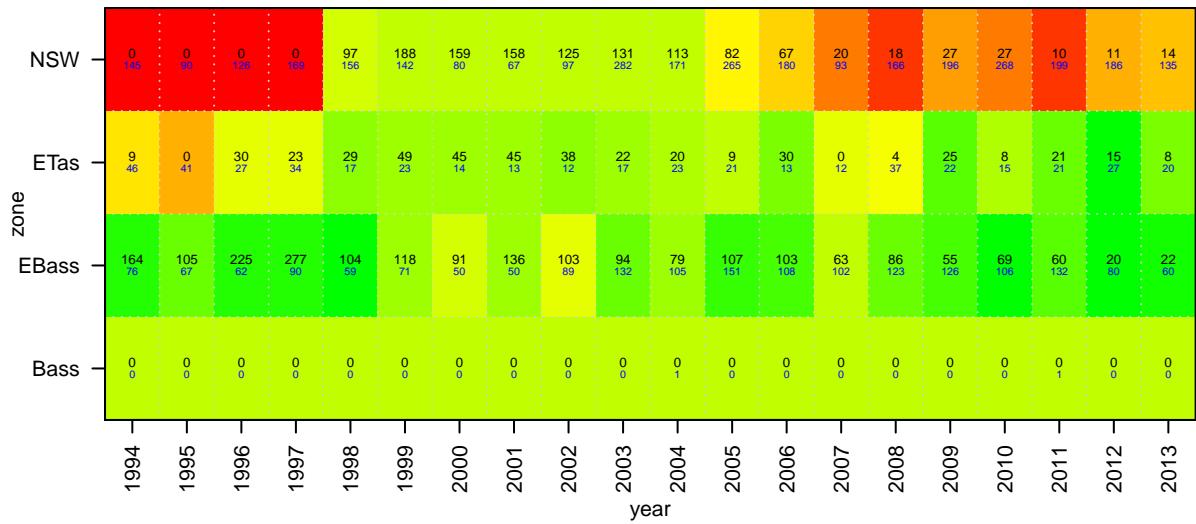
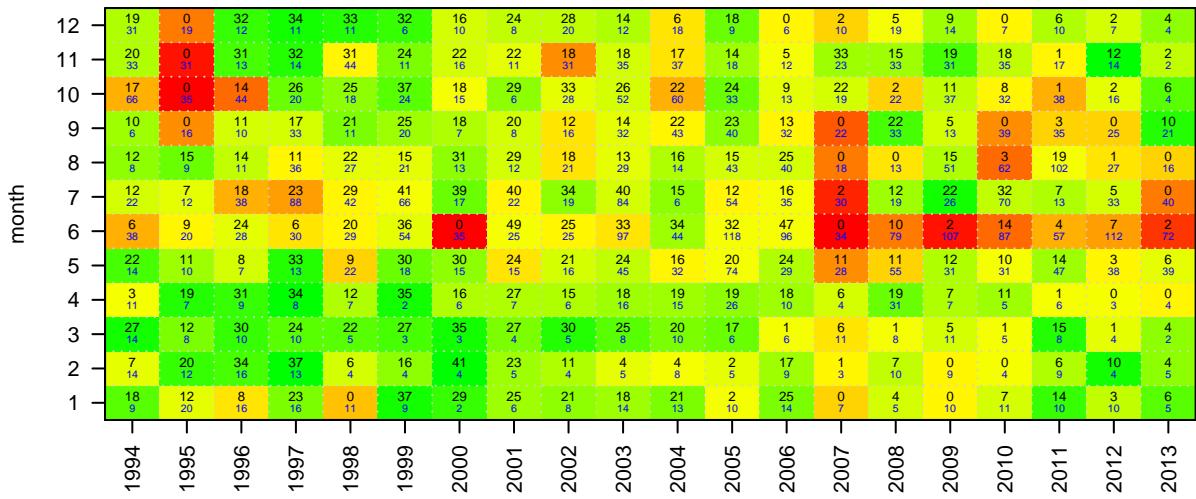
# Mirror Dory East

Sat Jul 19 15:37:31 2014

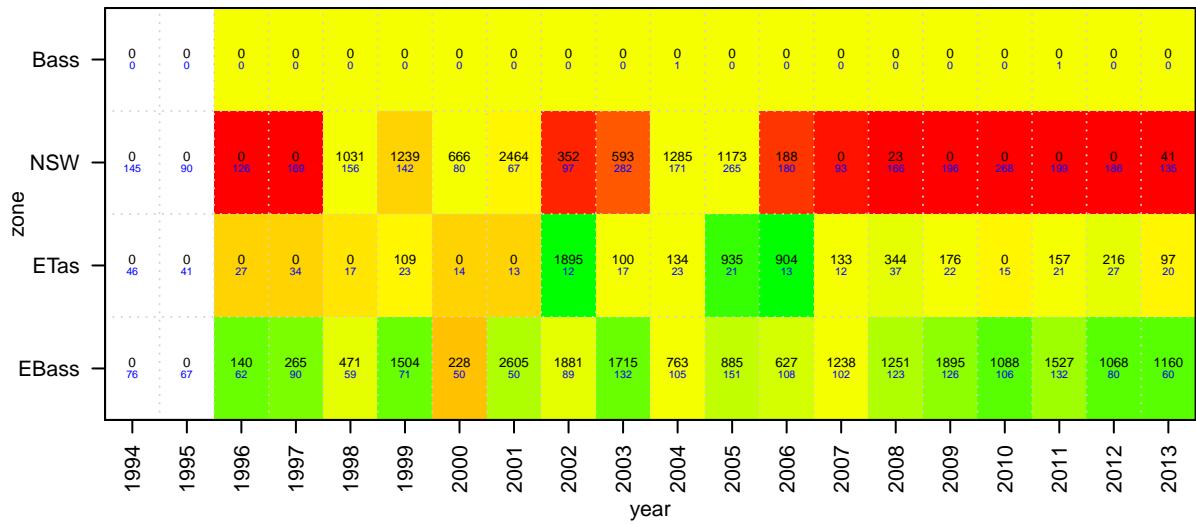
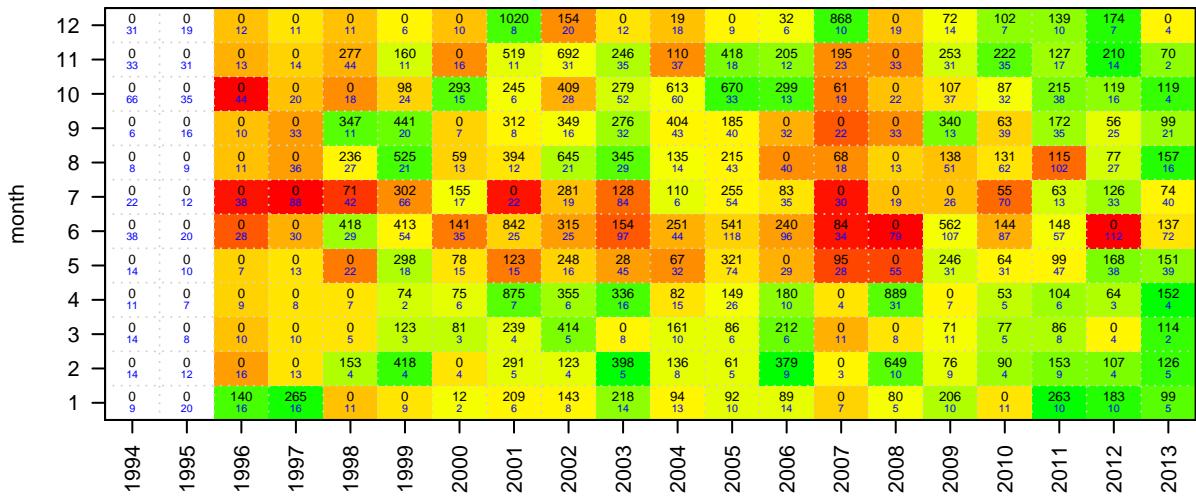
## Onboard length data



## Onboard discard weight data



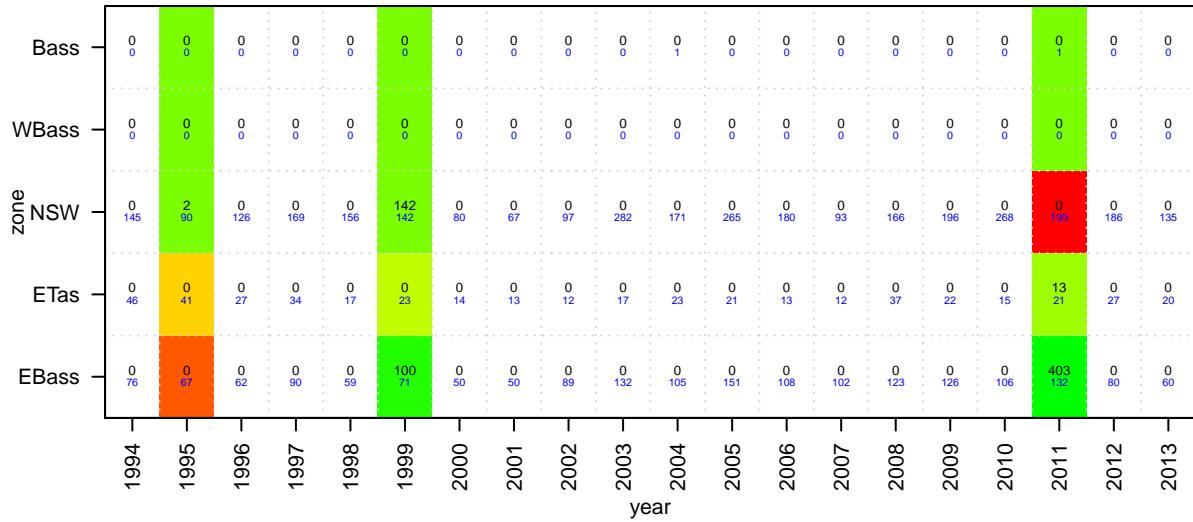
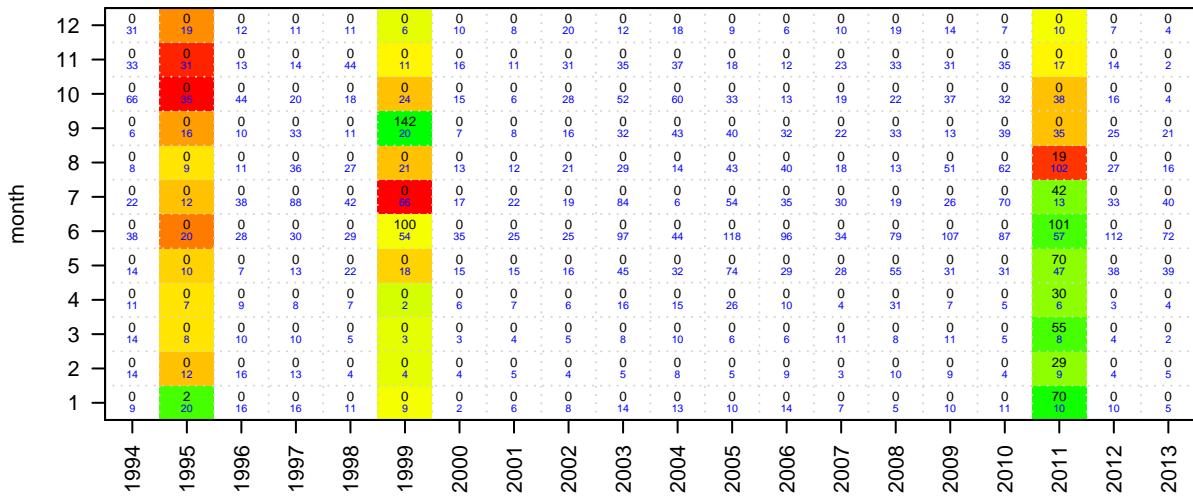
## Port length data



# Mirror Dory East

Sat Jul 19 15:37:31 2014

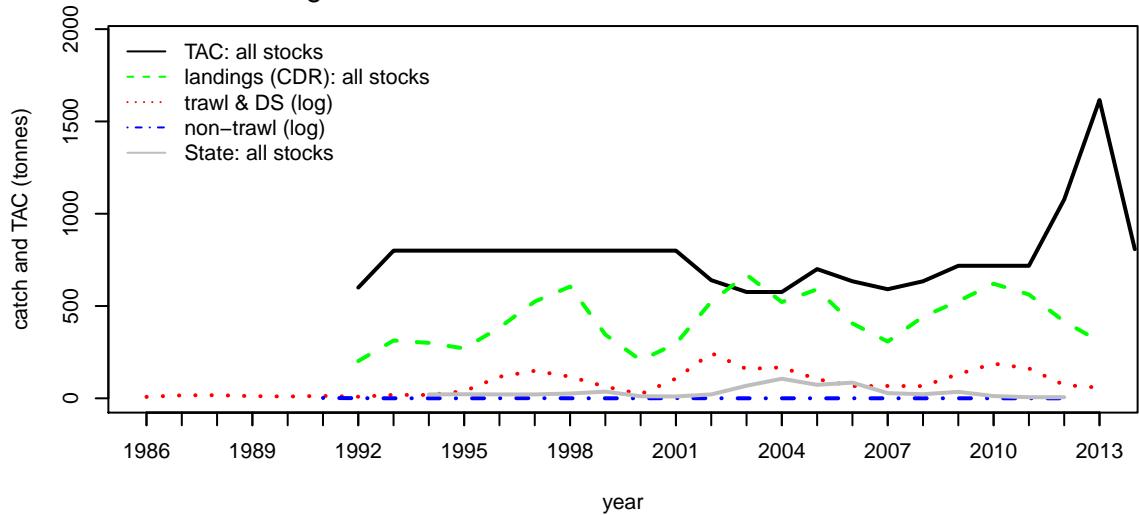
## Age data



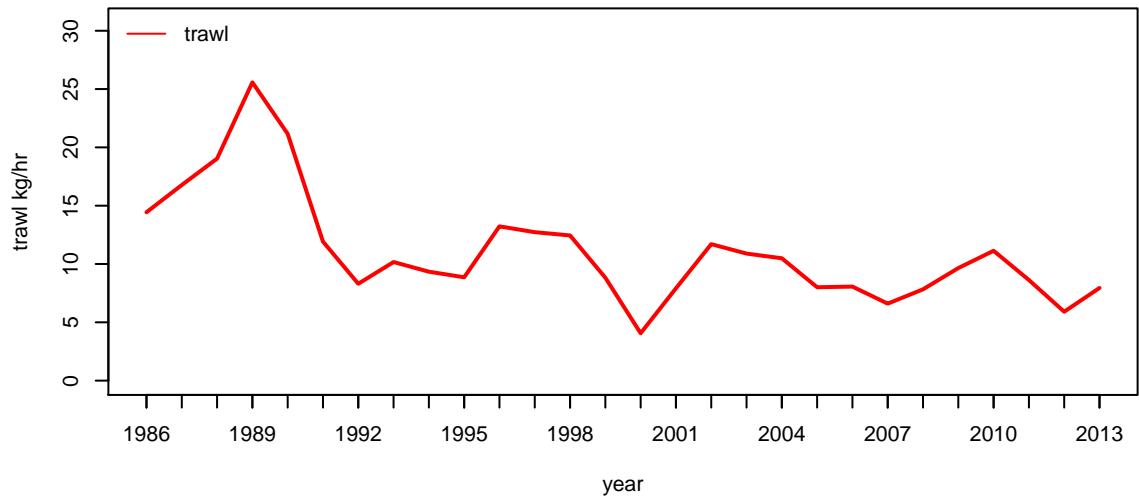
# Mirror Dory West

Sat Jul 19 15:38:32 2014  
region SEFWEST unit code DOM  
CAAB 37264003  
start month 1

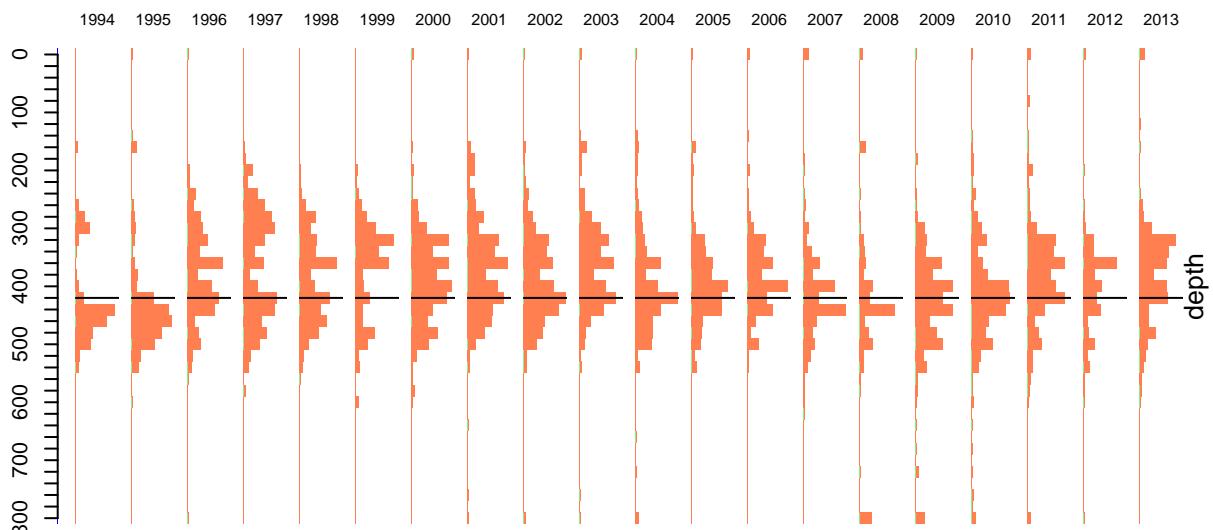
## TAC and landings

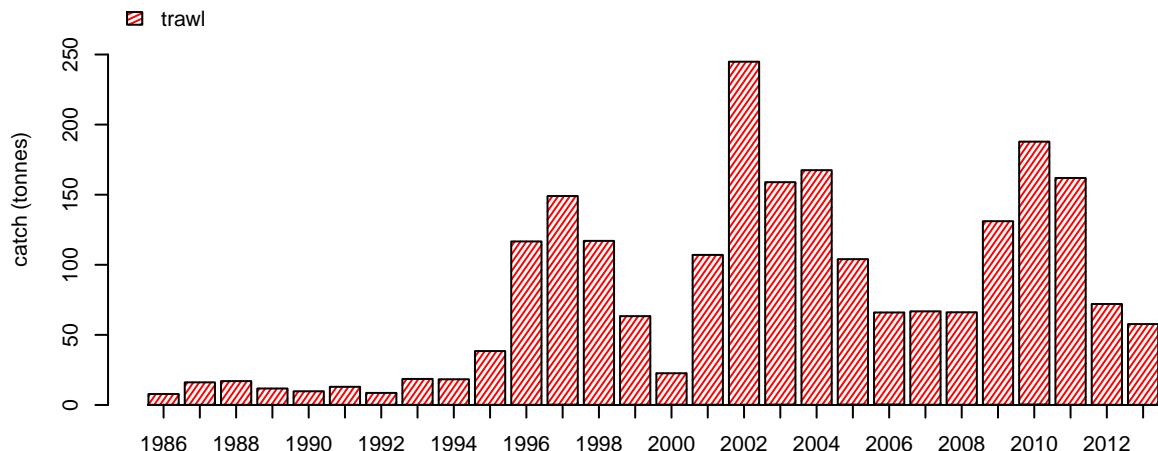
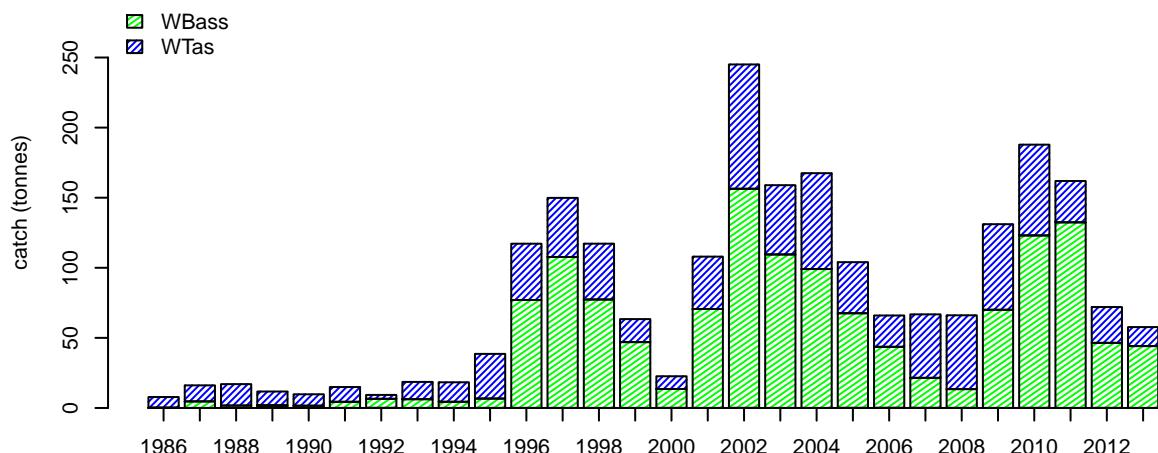
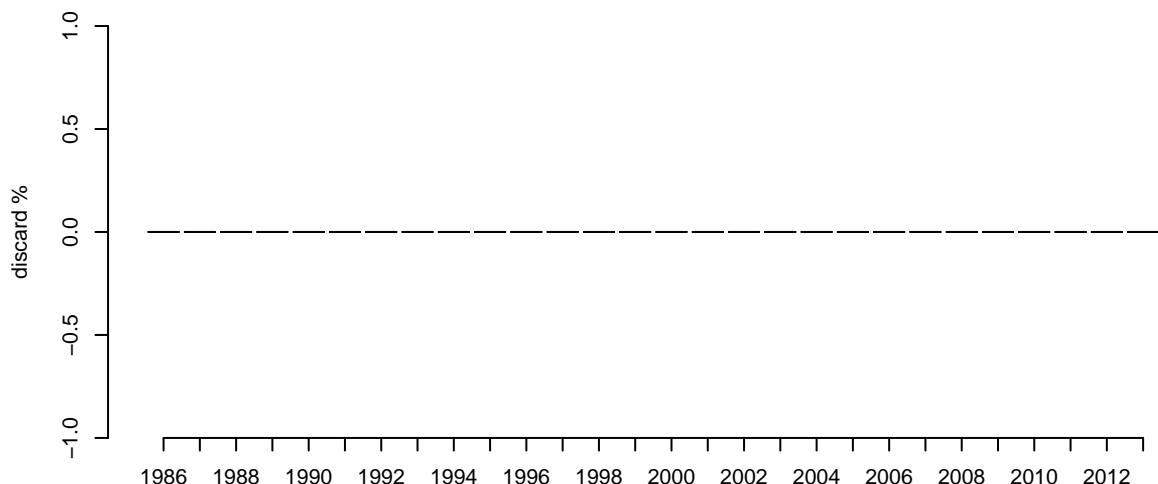


## Geometric mean CPUE



## Catch at depth

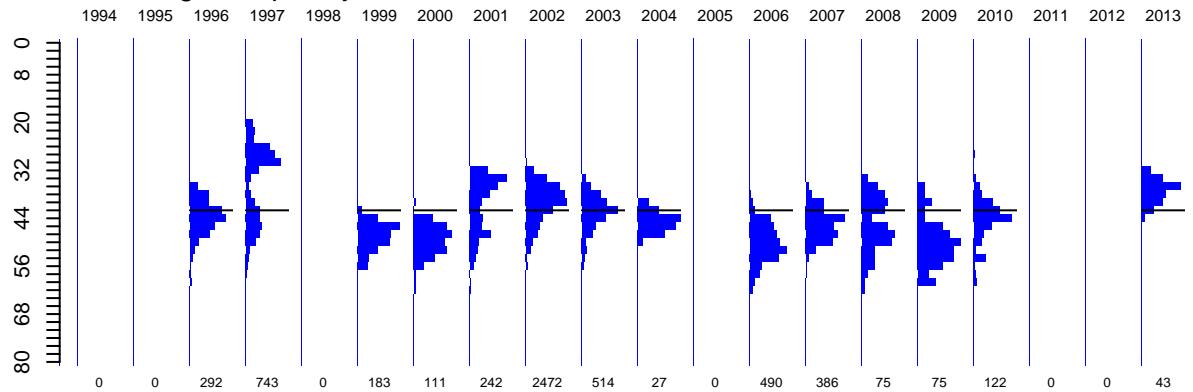


**Catch by gear****Catch by zone****Discards**

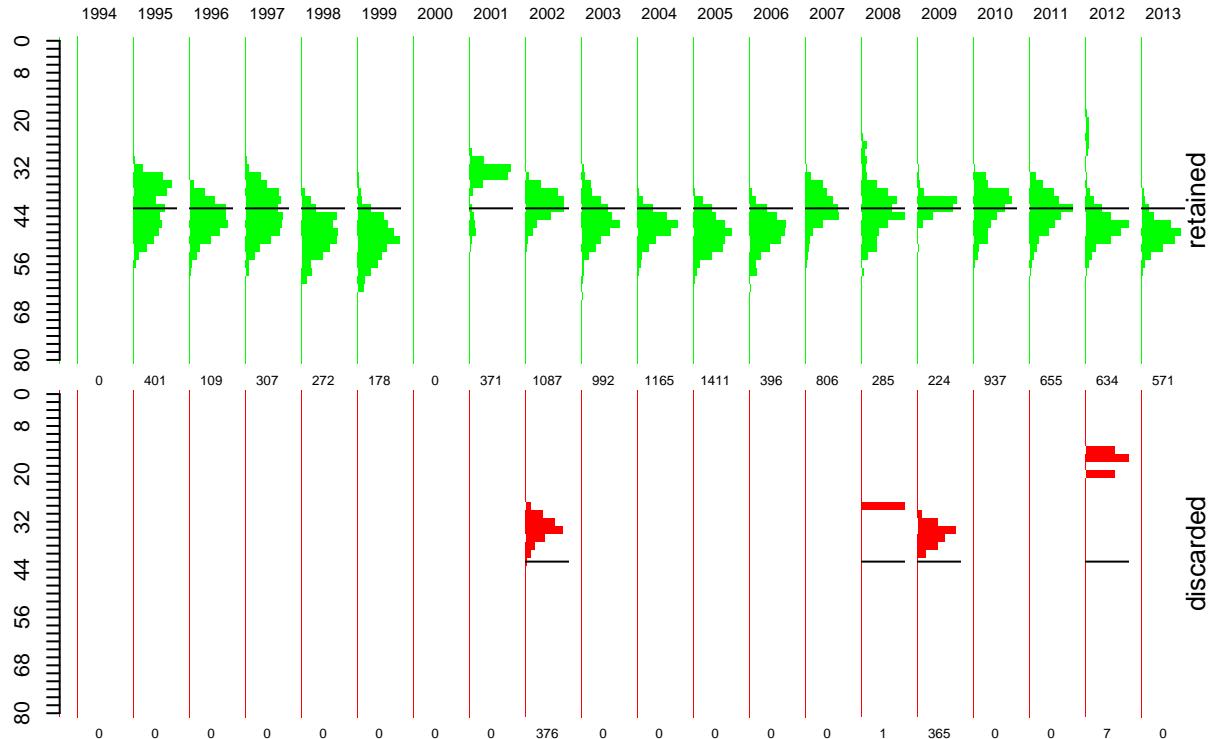
# Mirror Dory West

Sat Jul 19 15:38:39 2014

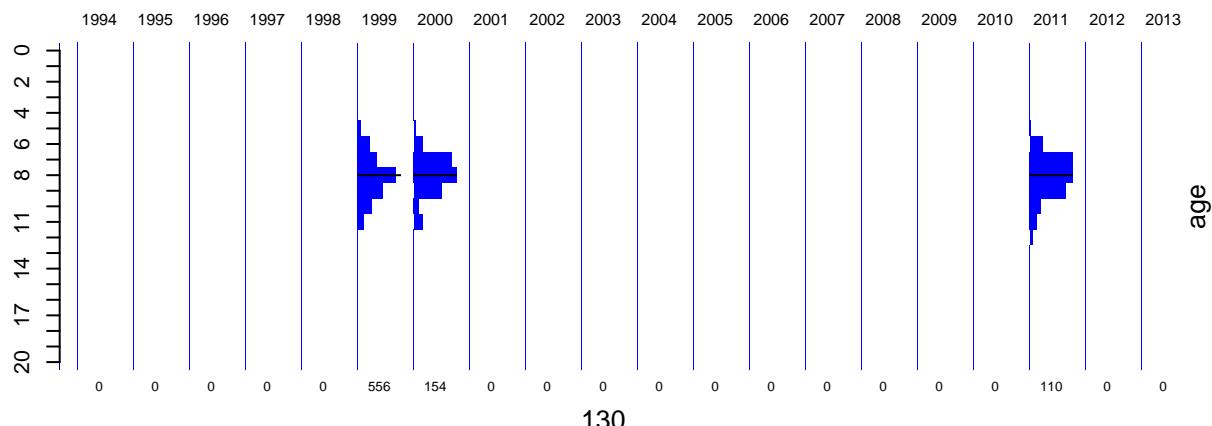
## Port length frequency



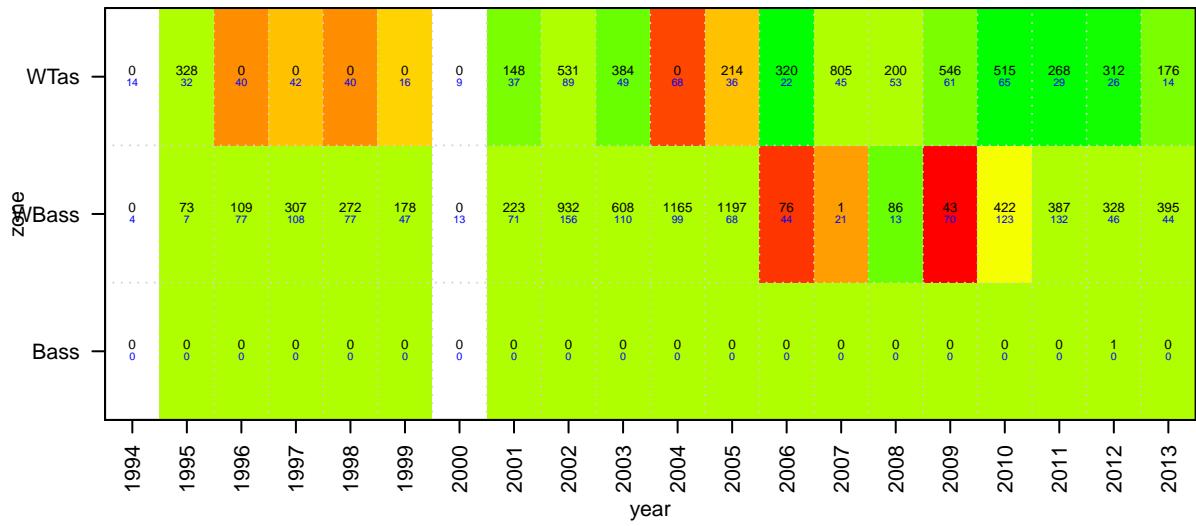
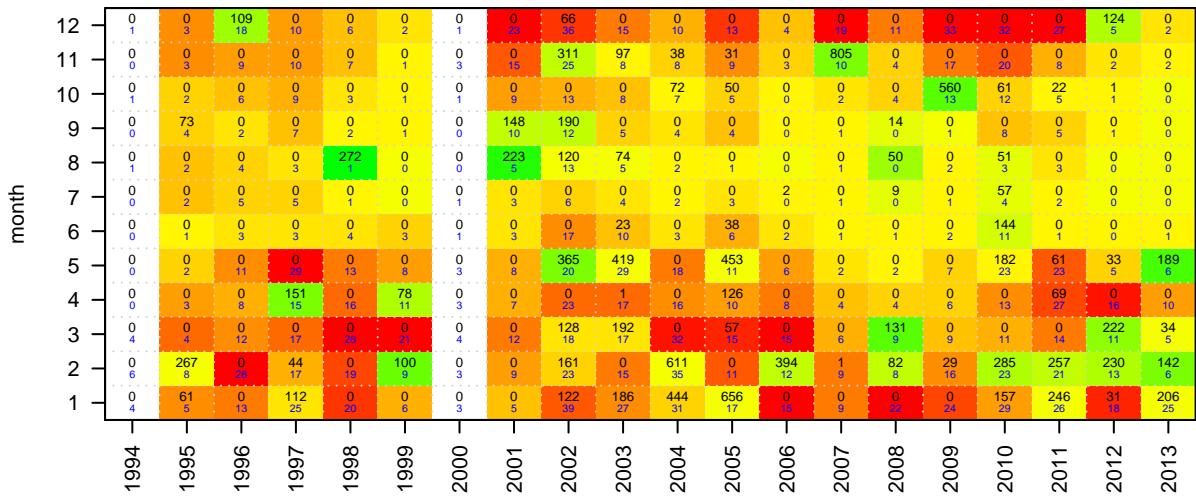
## Onboard length frequency



## Age frequency



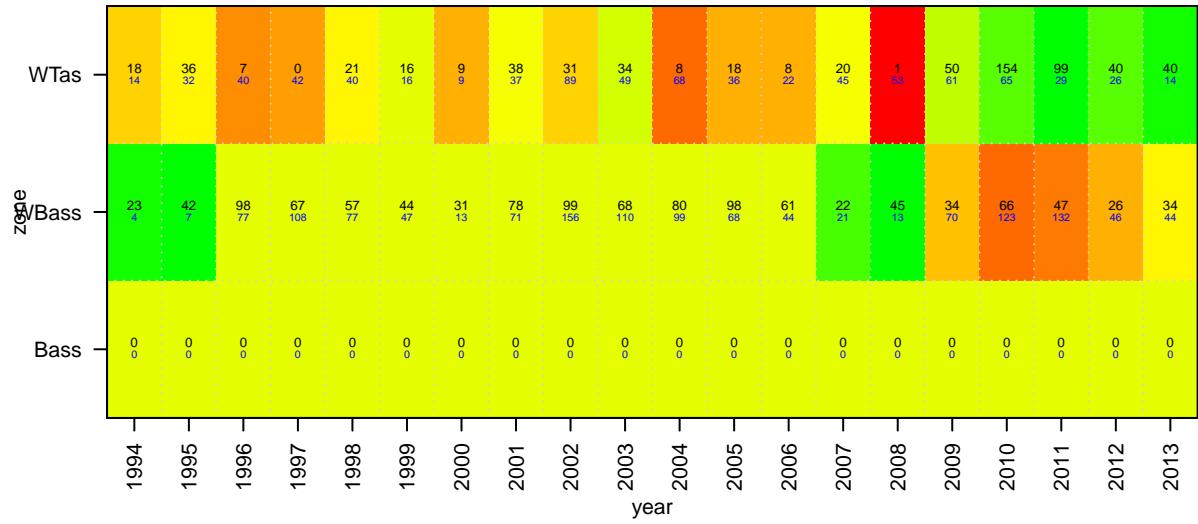
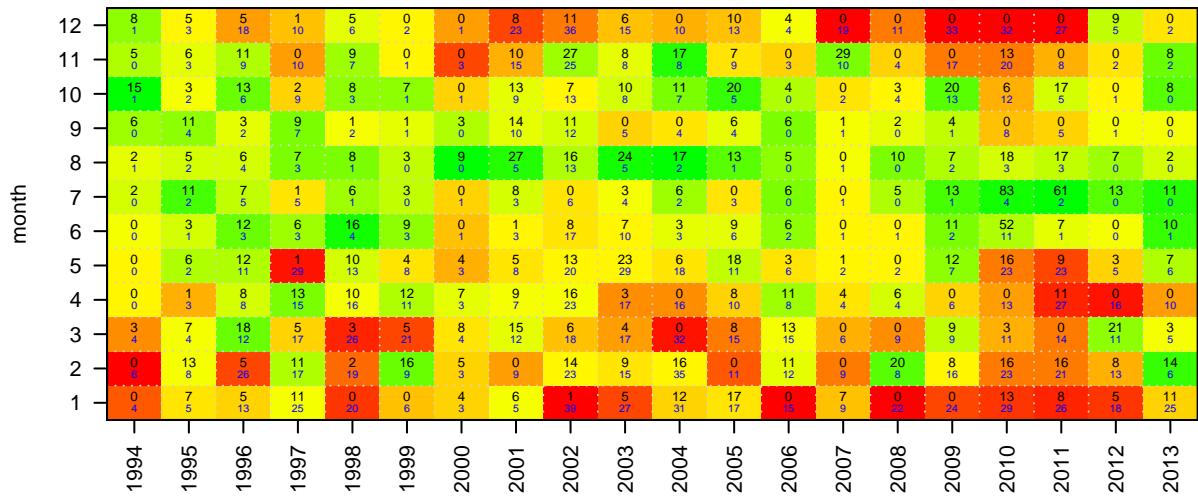
## Onboard length data



# Mirror Dory West

Sat Jul 19 15:38:41 2014

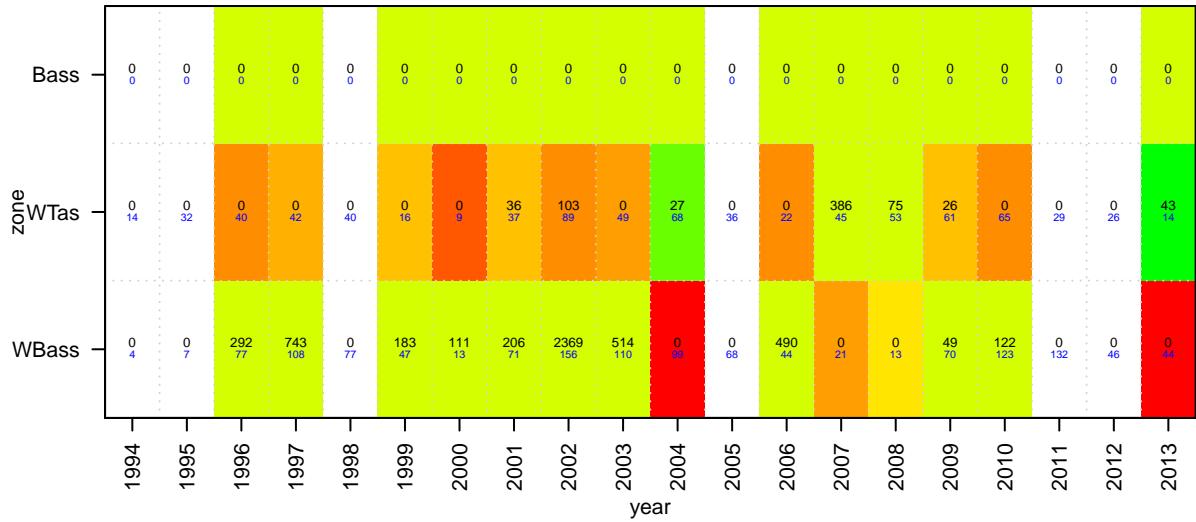
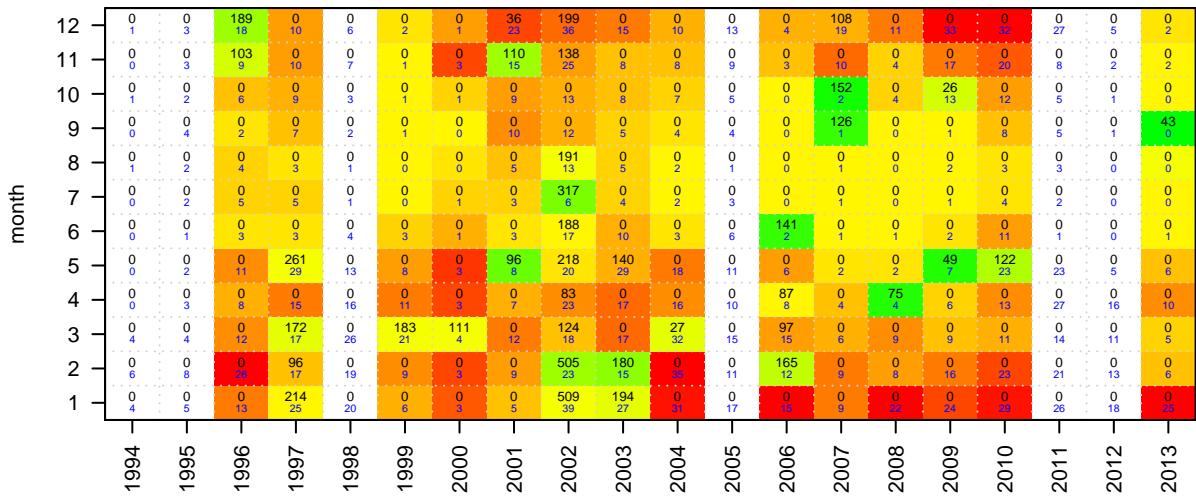
## Onboard discard weight data



# Mirror Dory West

Sat Jul 19 15:38:41 2014

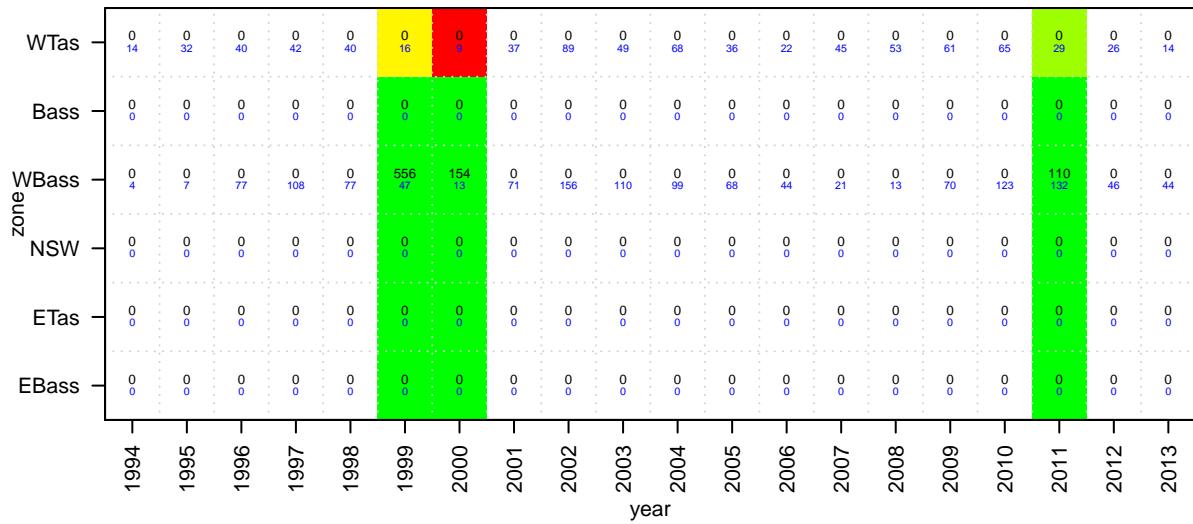
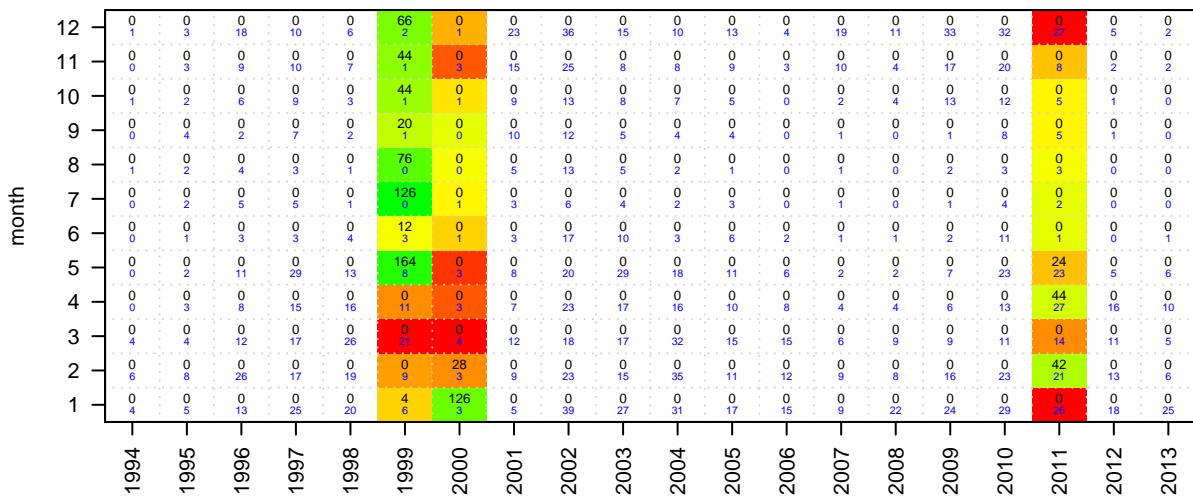
## Port length data



# Mirror Dory West

Sat Jul 19 15:38:41 2014

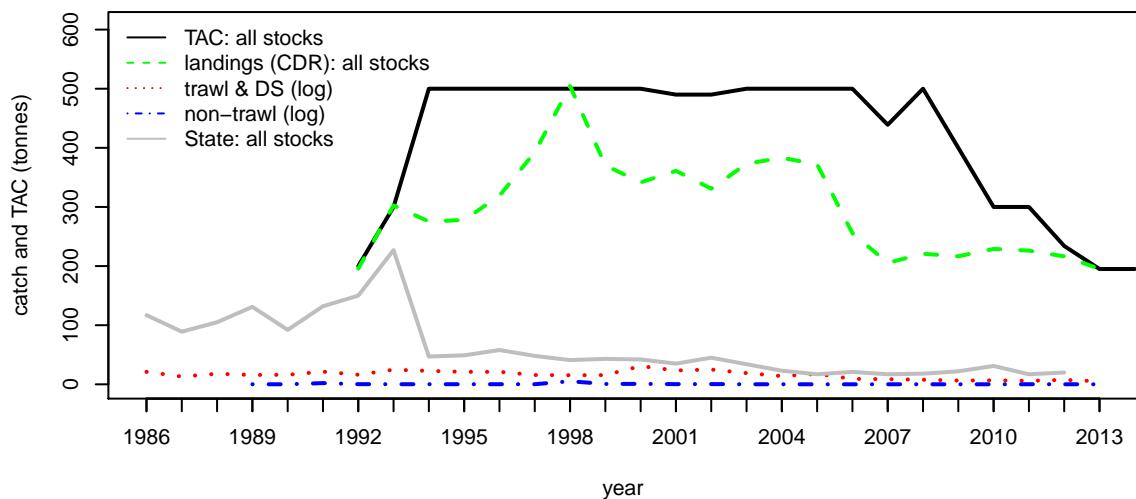
## Age data



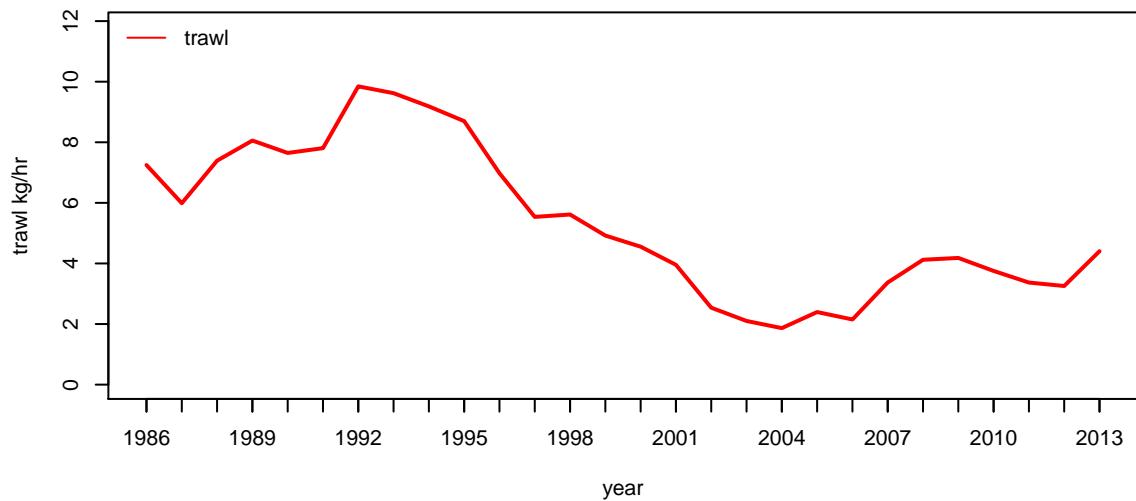
# Ocean Perch Inshore

Sat Jul 19 15:41:01 2014  
region SET unit code REG  
CAAB 37287901 37287093 37287001 91287001 92287001  
start month 1

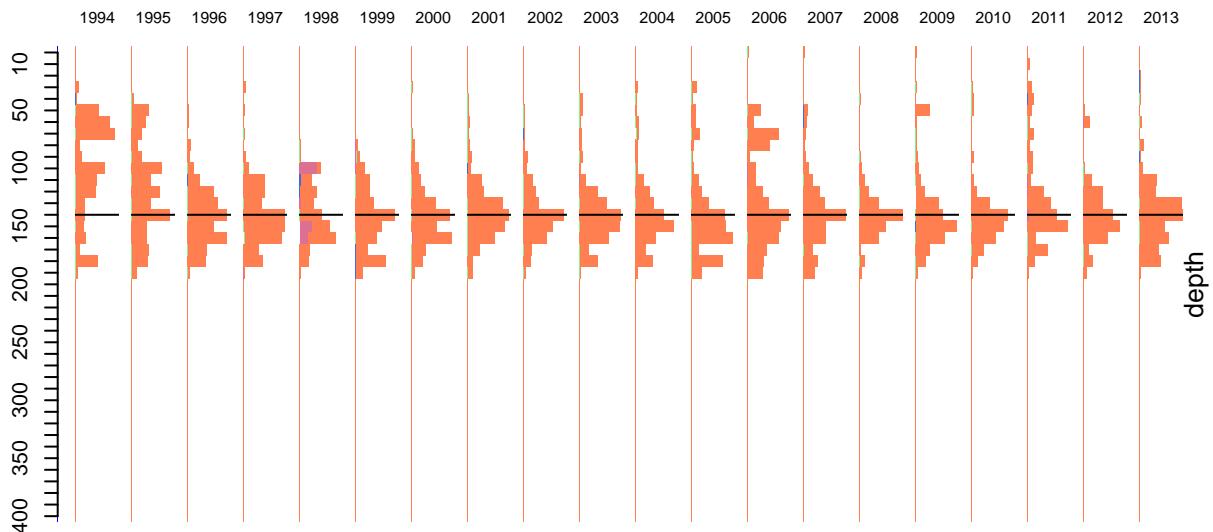
## TAC and landings



## Geometric mean CPUE



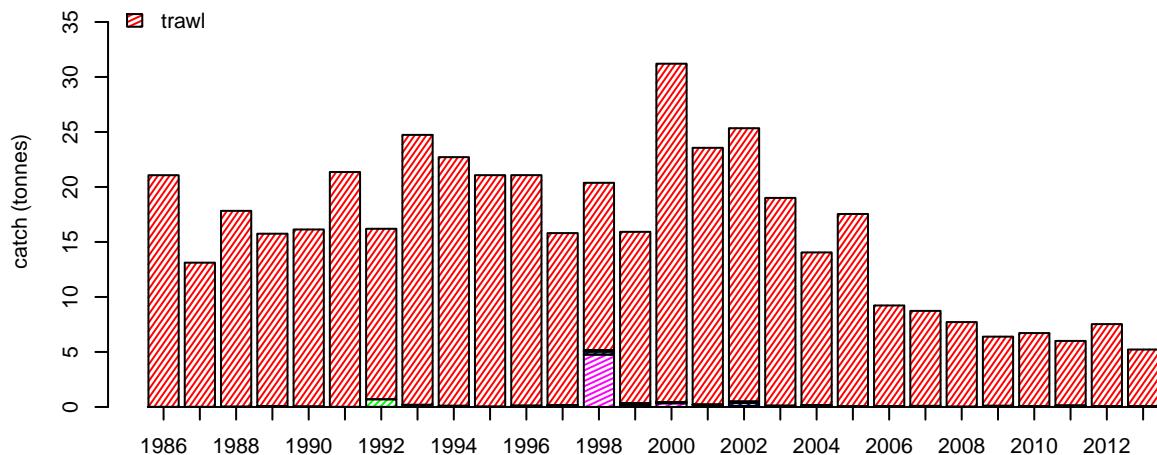
## Catch at depth



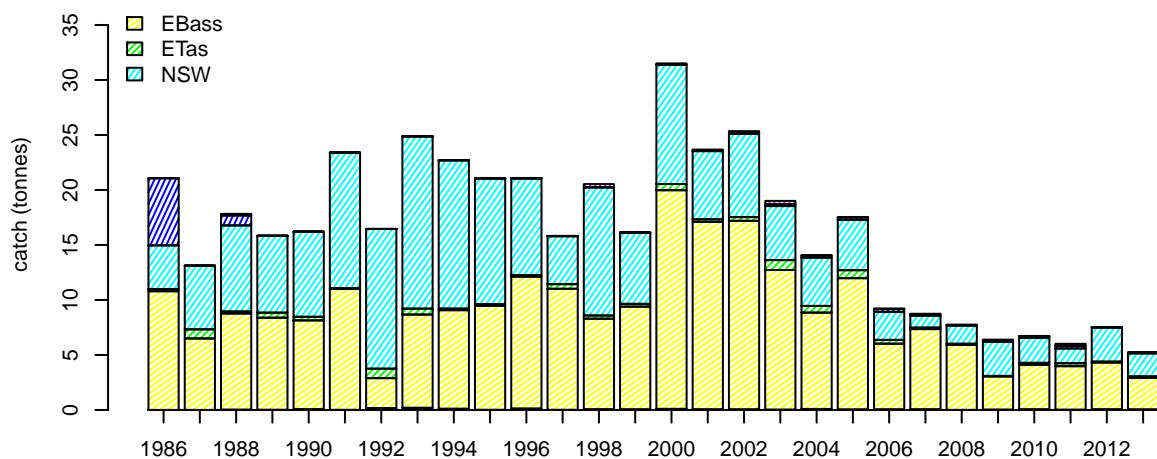
# Ocean Perch Inshore

Sat Jul 19 15:41:05 2014

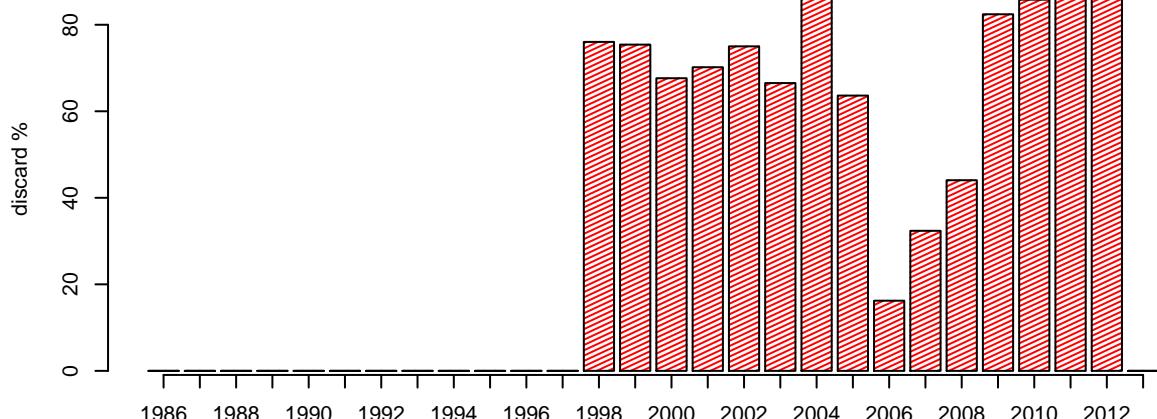
## Catch by gear



## Catch by zone



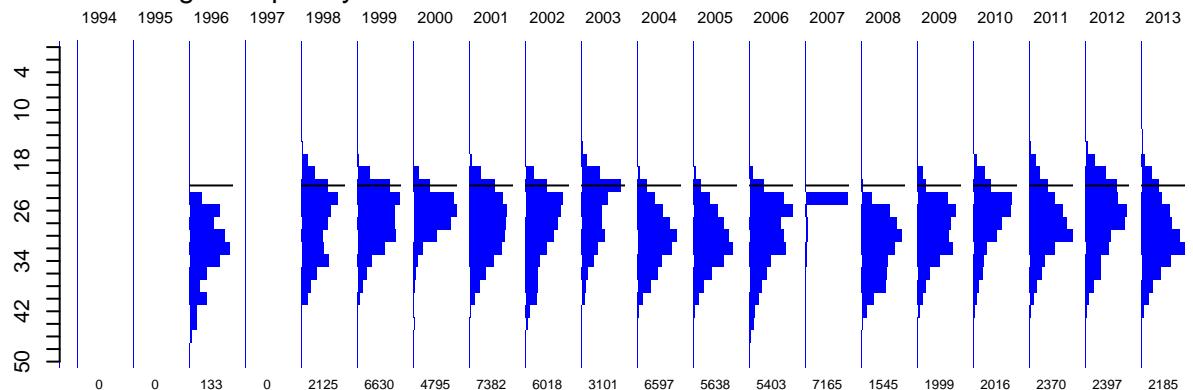
## Discards



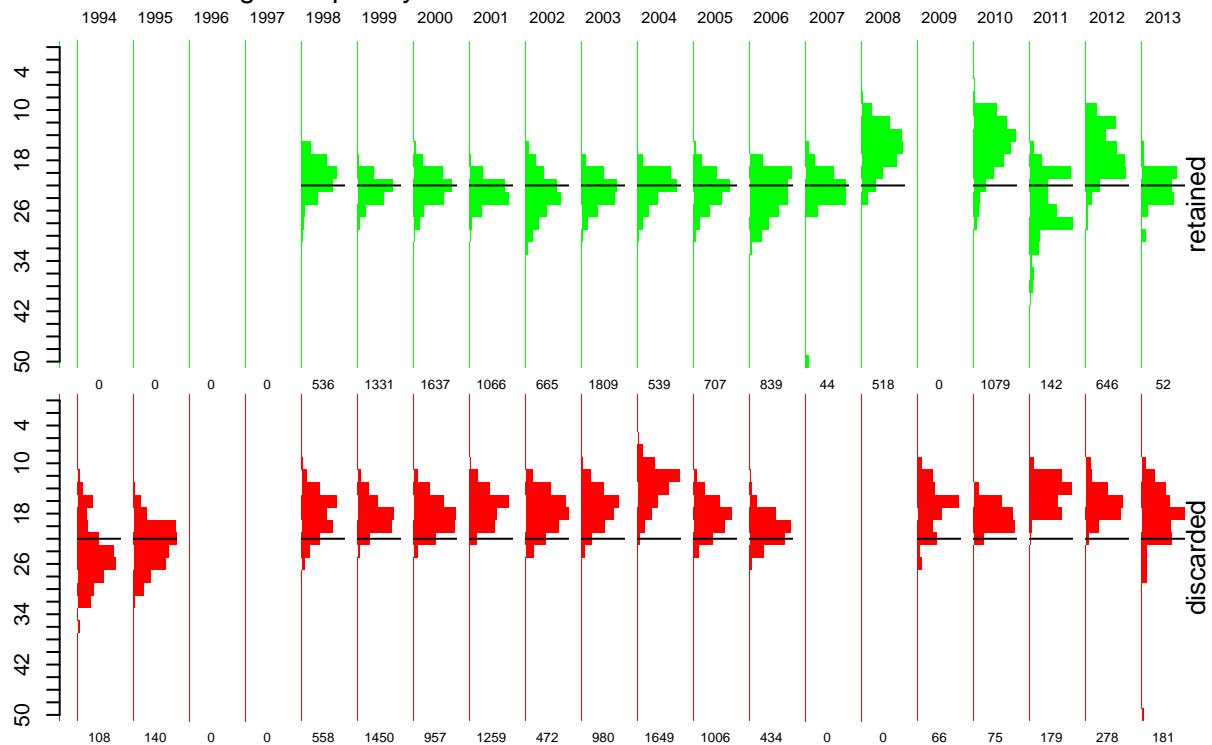
# Ocean Perch Inshore

Sat Jul 19 15:41:11 2014

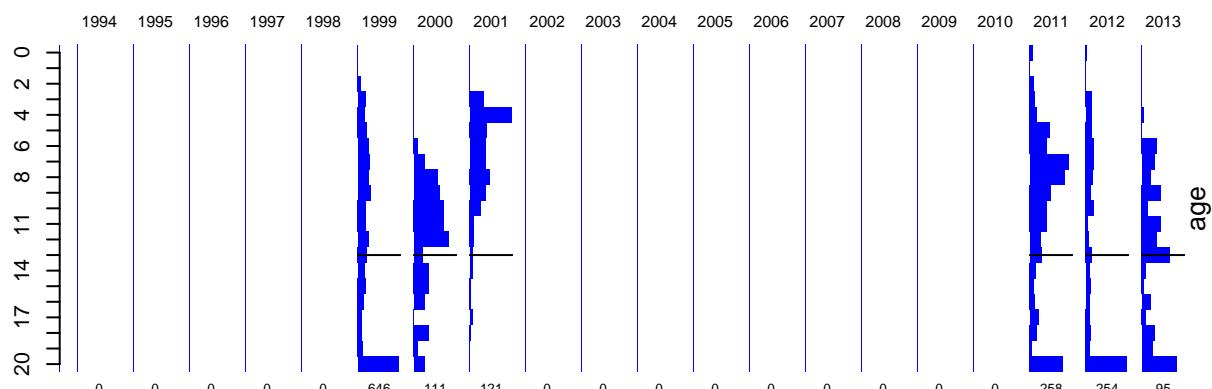
## Port length frequency



## Onboard length frequency



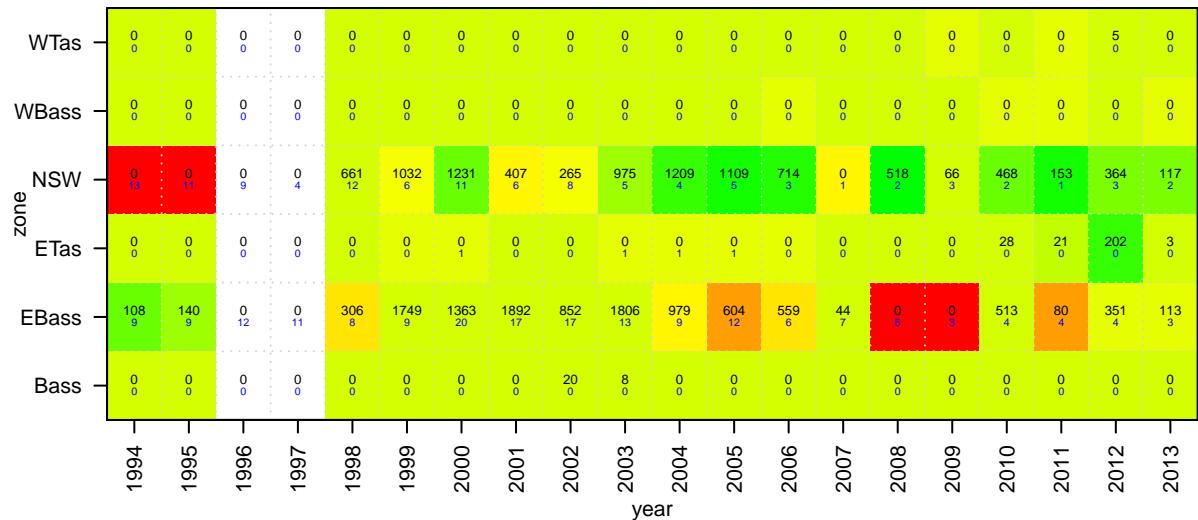
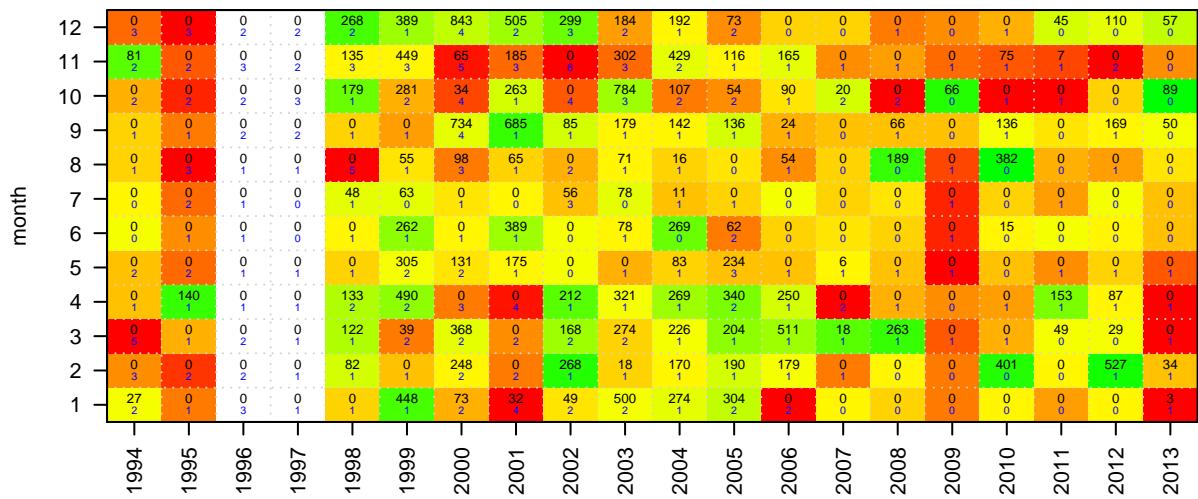
## Age frequency



# Ocean Perch Inshore

Sat Jul 19 15:41:14 2014

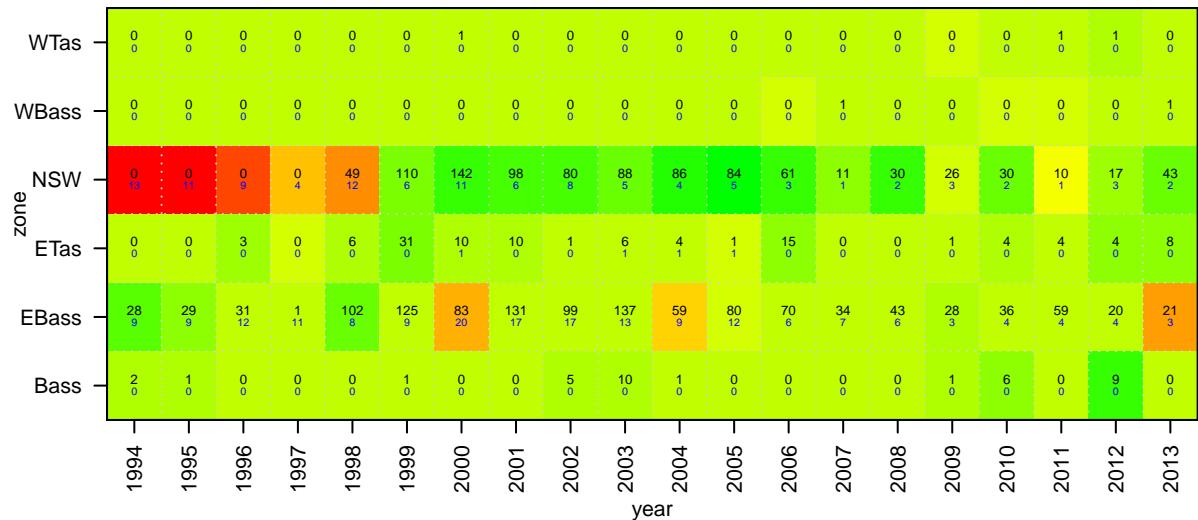
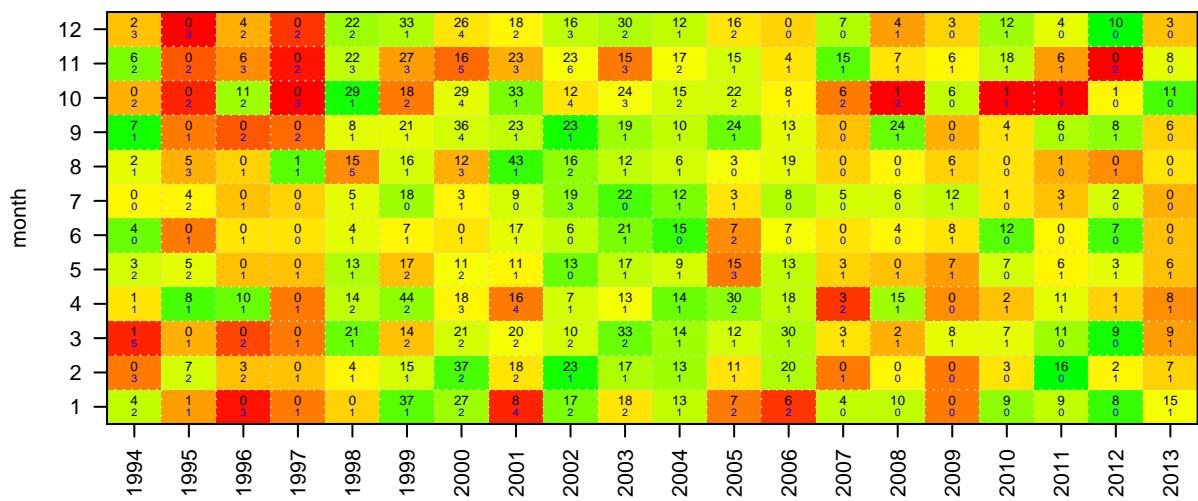
## Onboard length data



# Ocean Perch Inshore

Sat Jul 19 15:41:14 2014

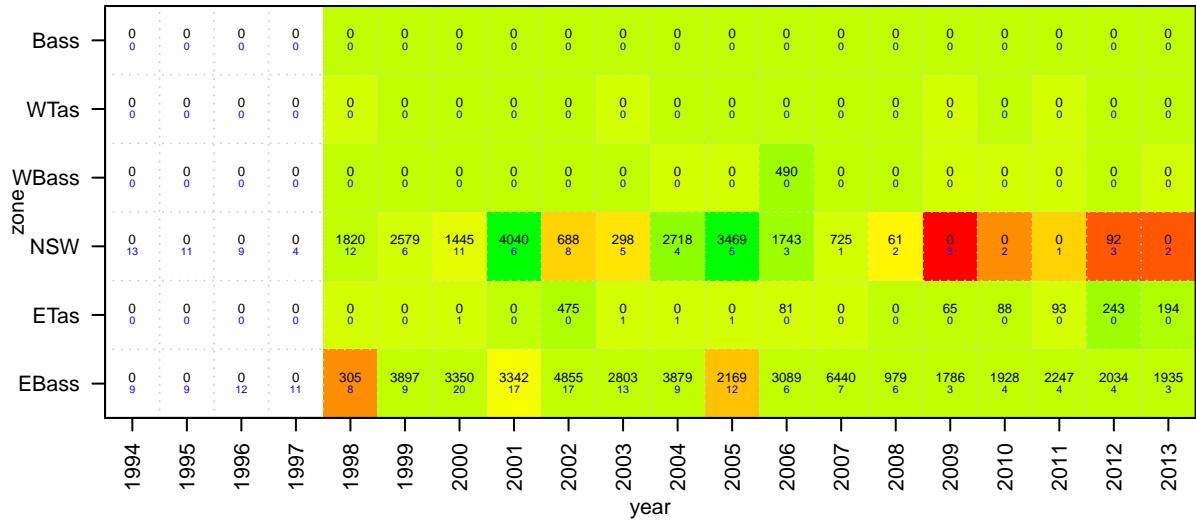
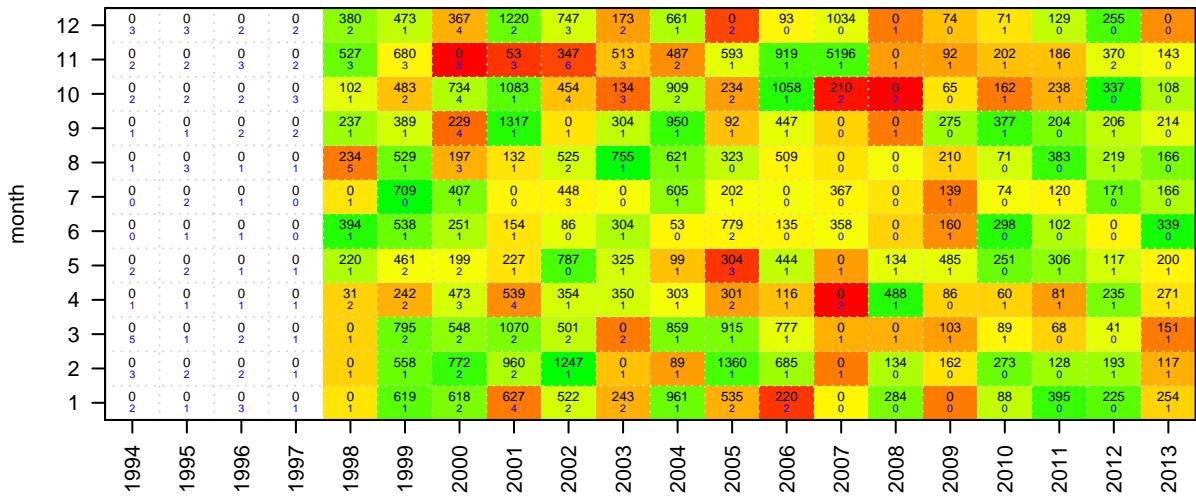
## Onboard discard weight data



# Ocean Perch Inshore

Sat Jul 19 15:41:14 2014

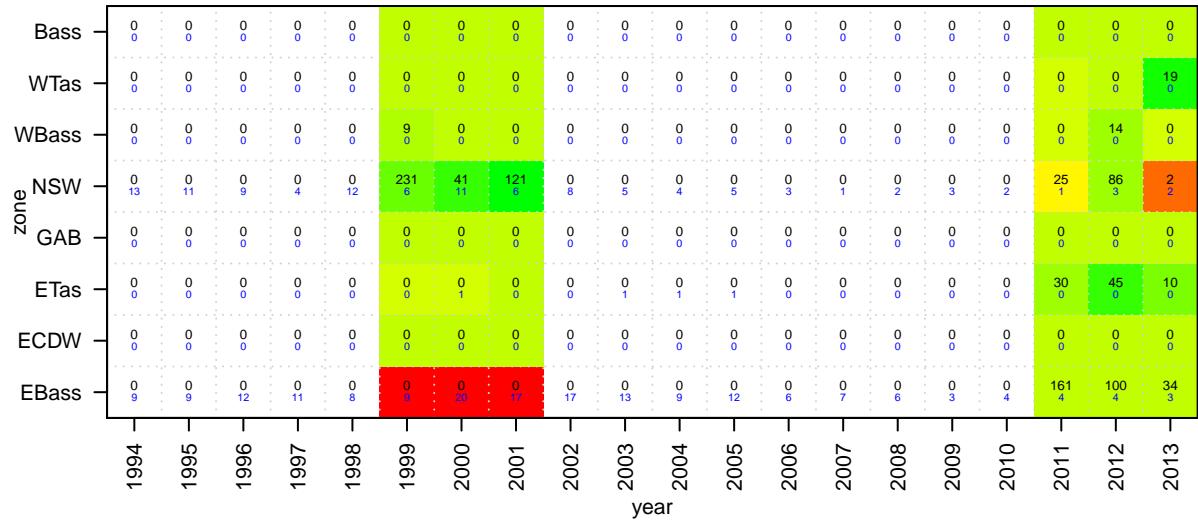
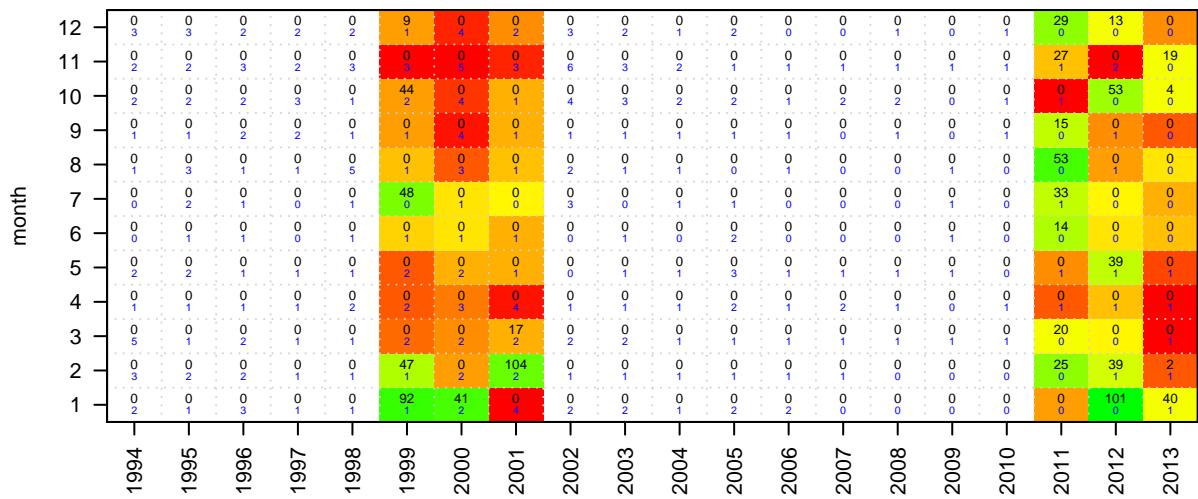
## Port length data



# Ocean Perch Inshore

Sat Jul 19 15:41:14 2014

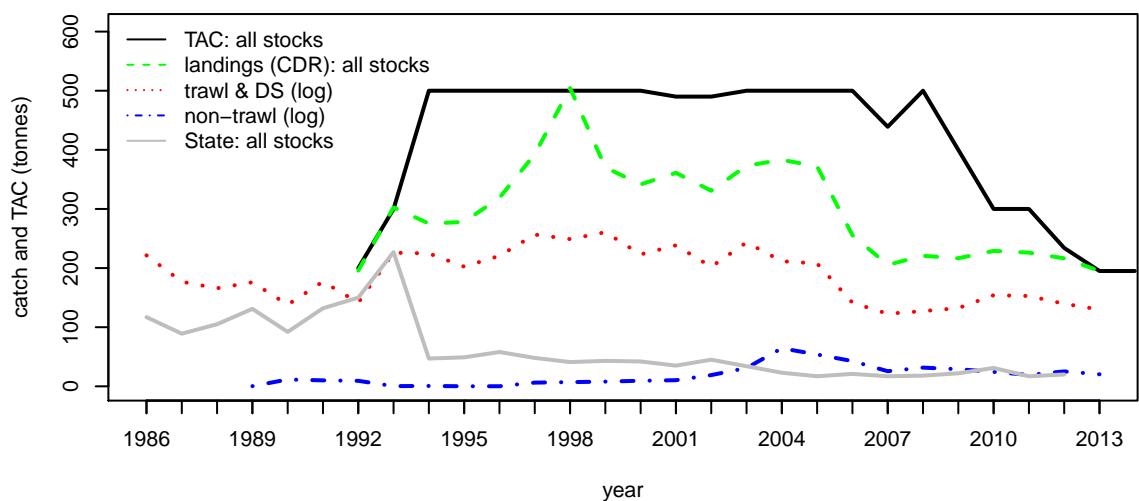
## Age data



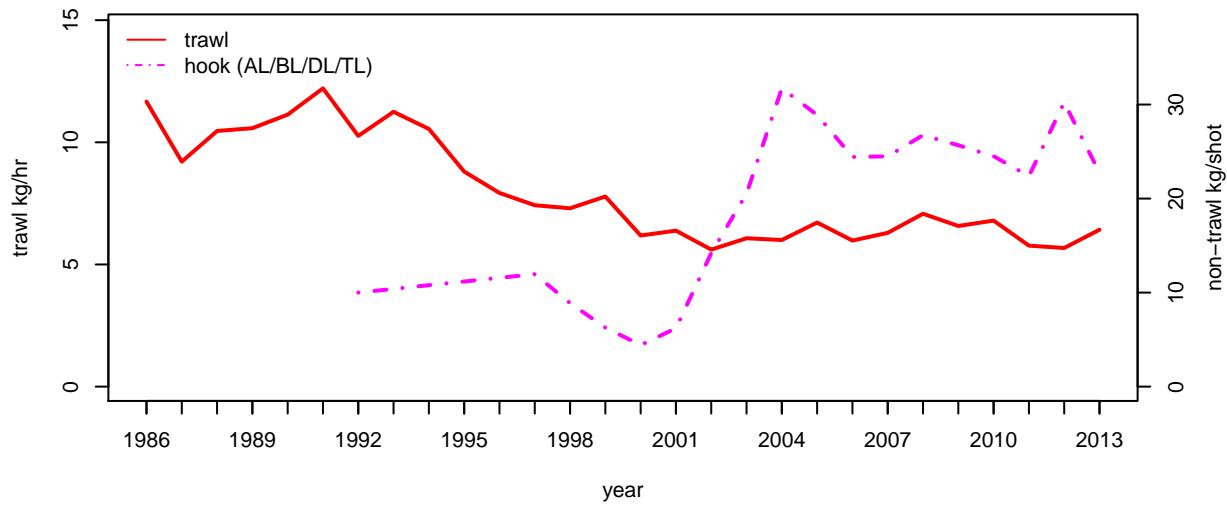
# Ocean Perch Offshore

Sat Jul 19 15:43:35 2014  
 region SET unit code REG  
 CAAB 37287901 37287093 37287001 91287001 92287001  
 start month 1

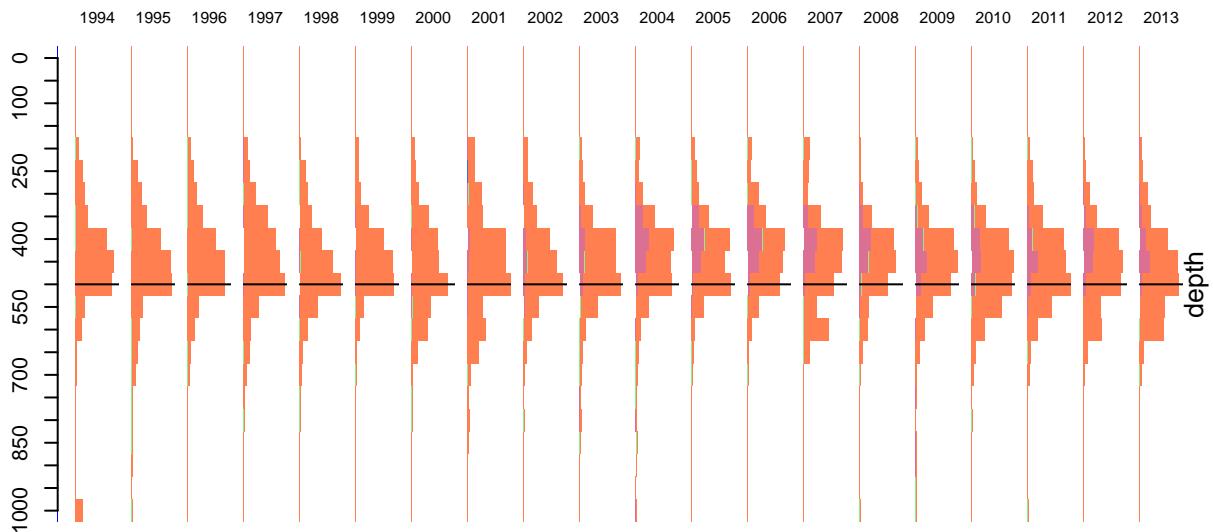
## TAC and landings



## Geometric mean CPUE



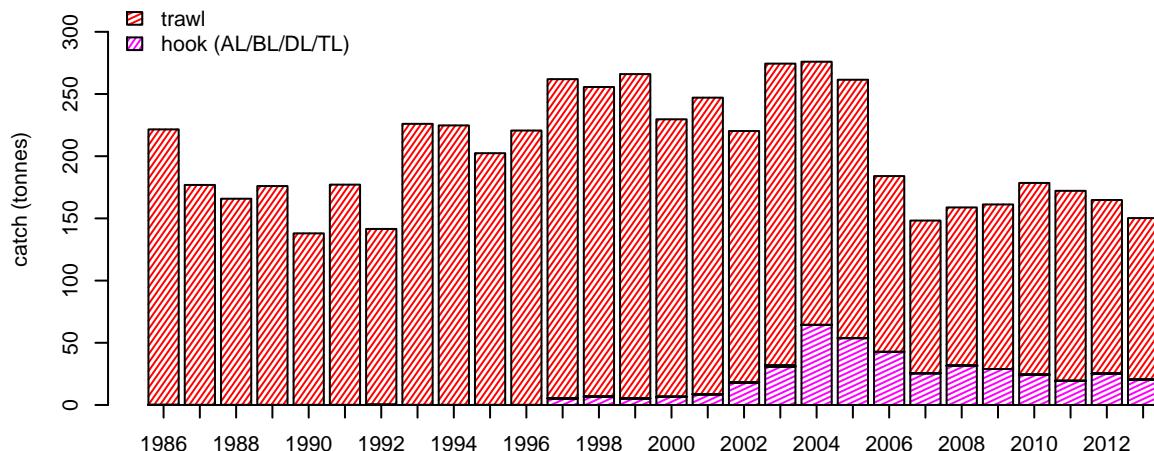
## Catch at depth



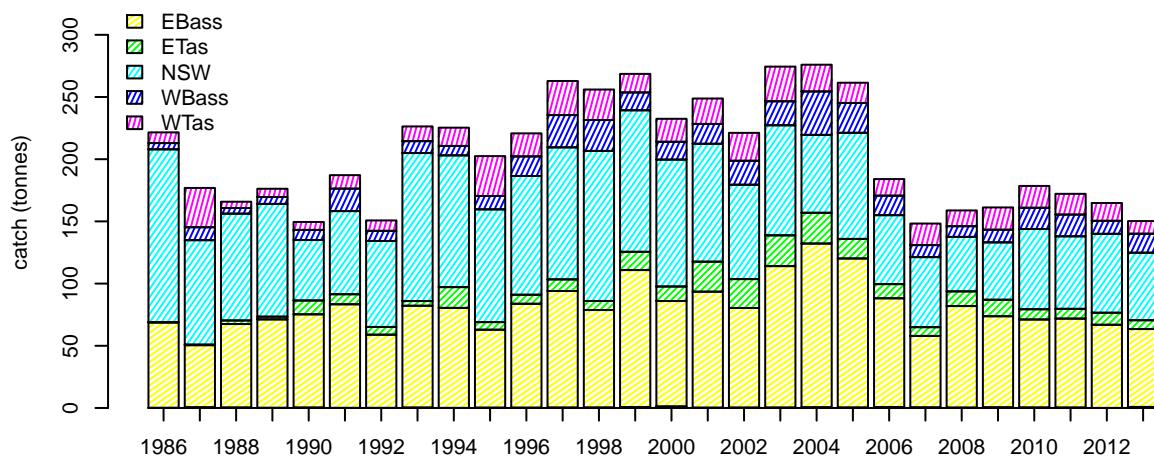
# Ocean Perch Offshore

Sat Jul 19 15:43:51 2014

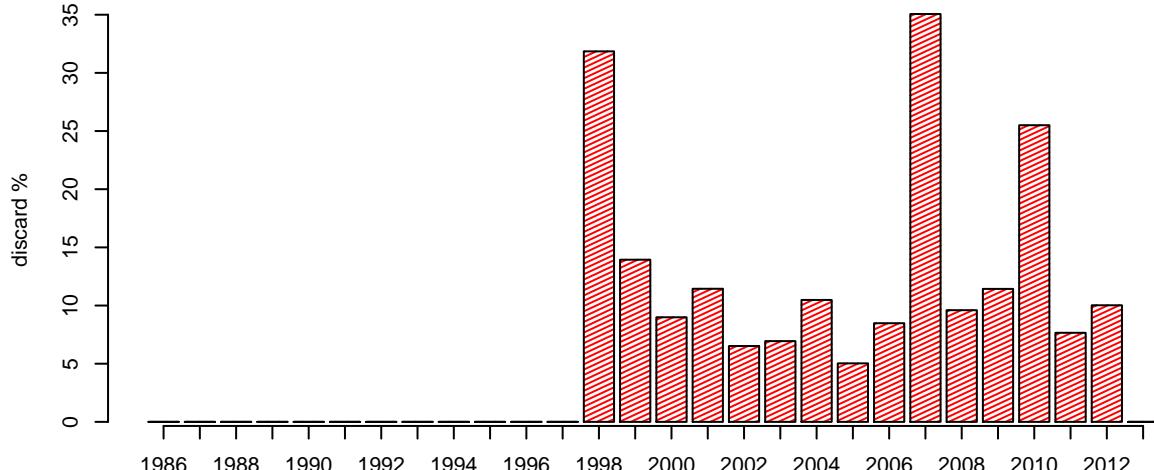
## Catch by gear



## Catch by zone



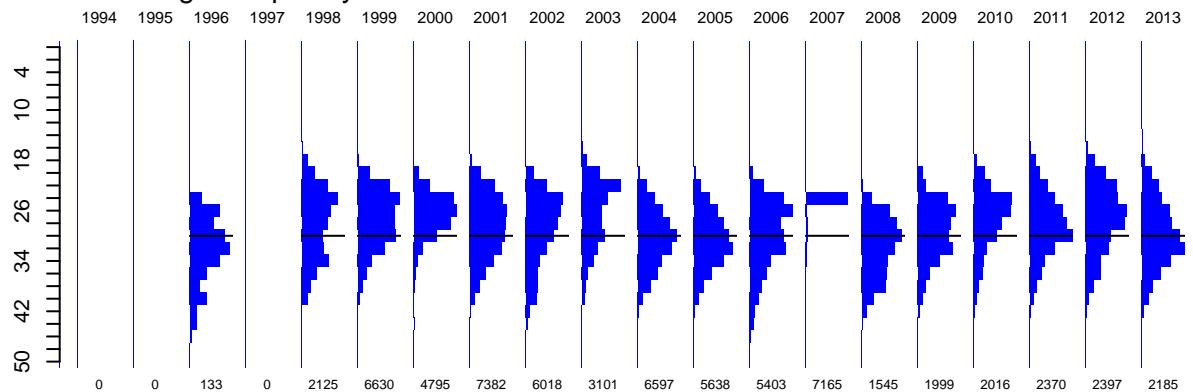
## Discards



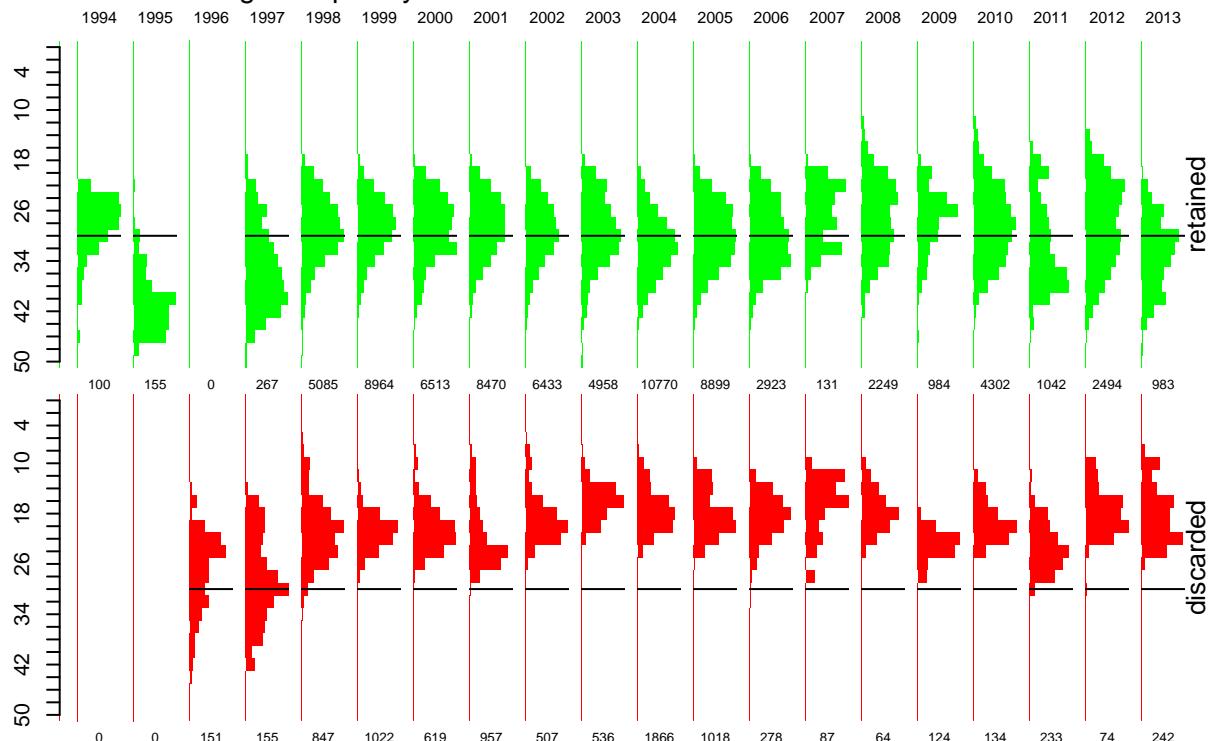
# Ocean Perch Offshore

Sat Jul 19 15:43:57 2014

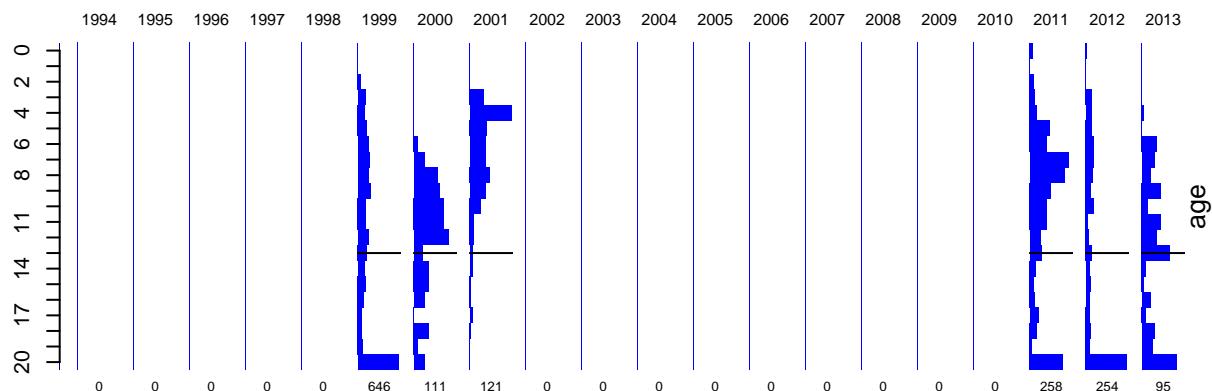
## Port length frequency



## Onboard length frequency



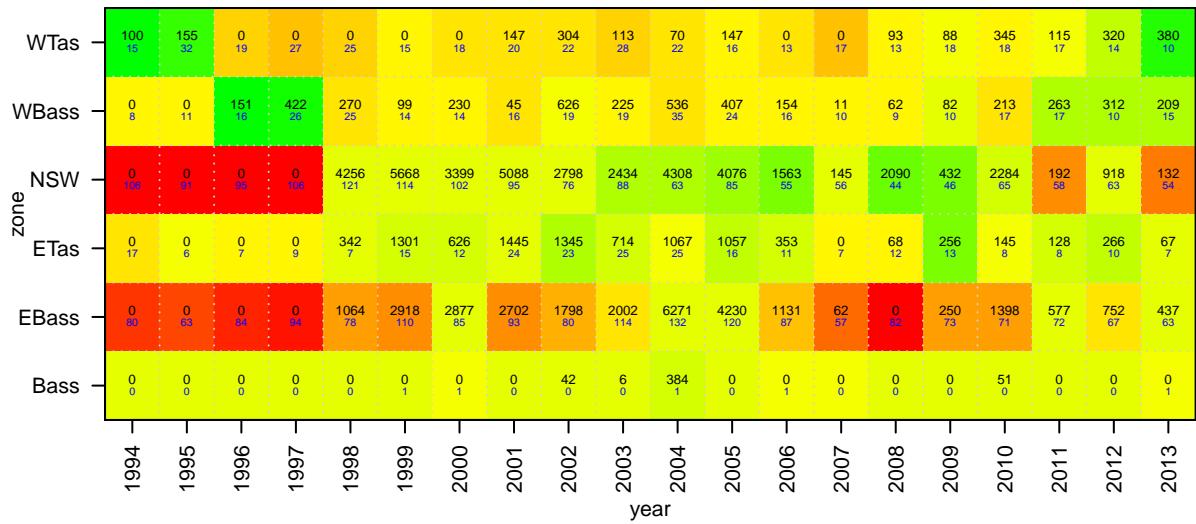
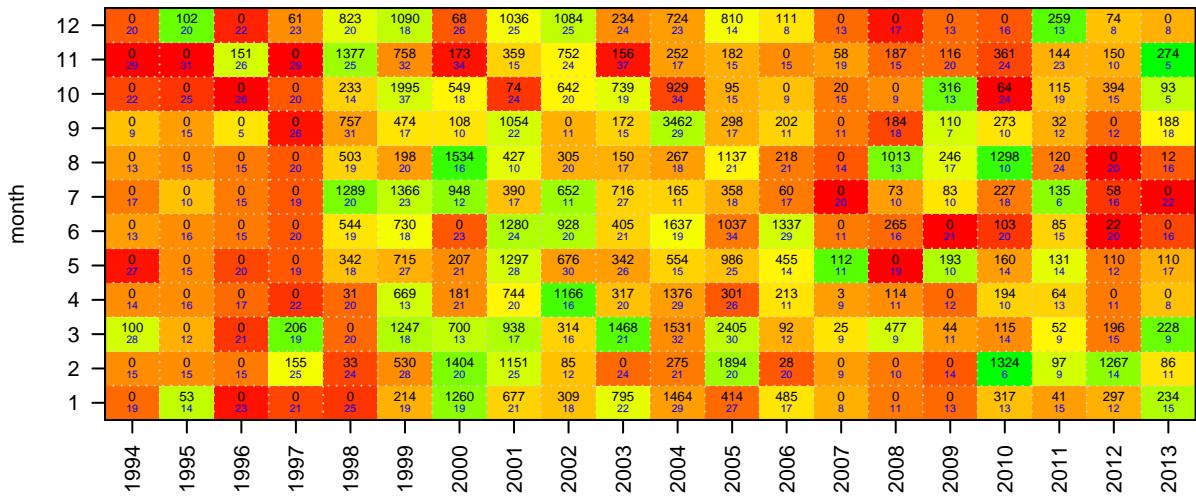
## Age frequency



# Ocean Perch Offshore

Sat Jul 19 15:44:09 2014

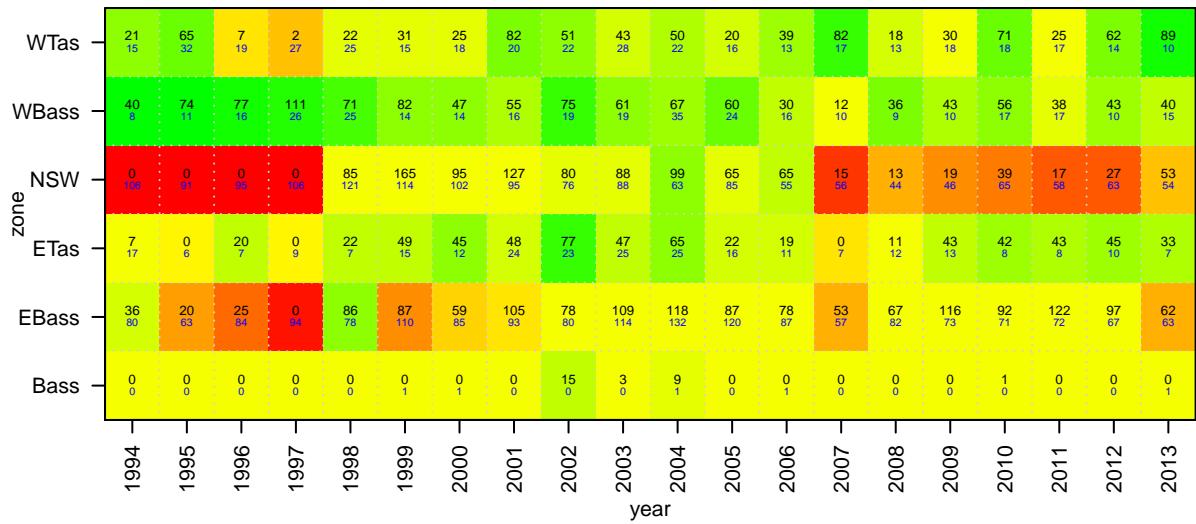
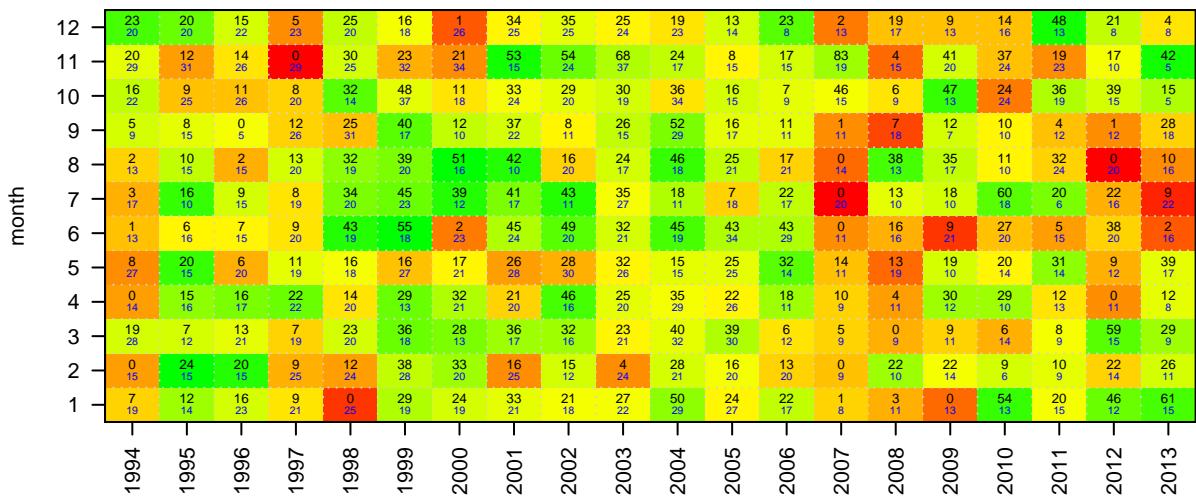
## Onboard length data



# Ocean Perch Offshore

Sat Jul 19 15:44:09 2014

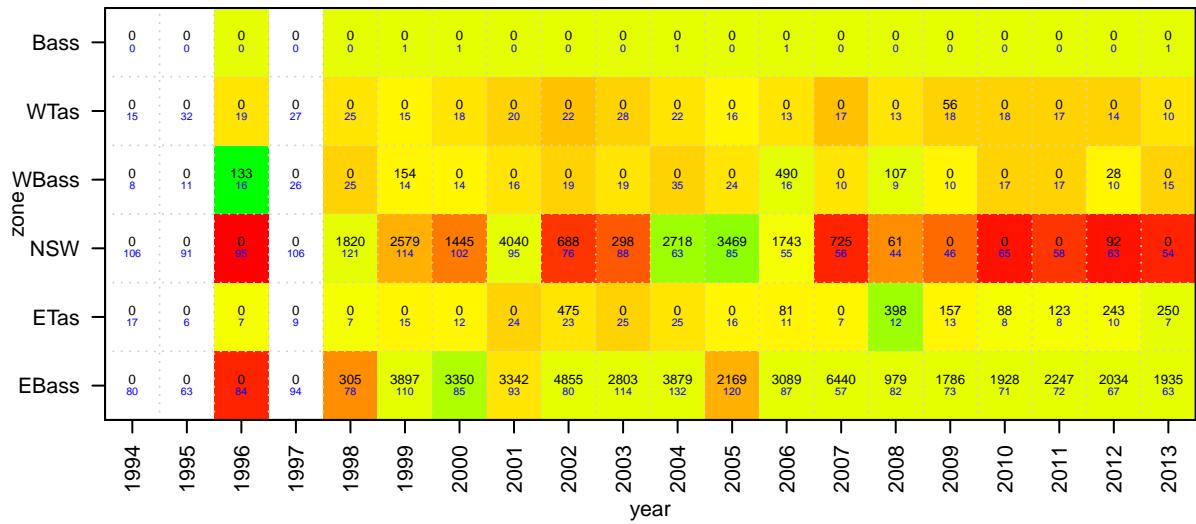
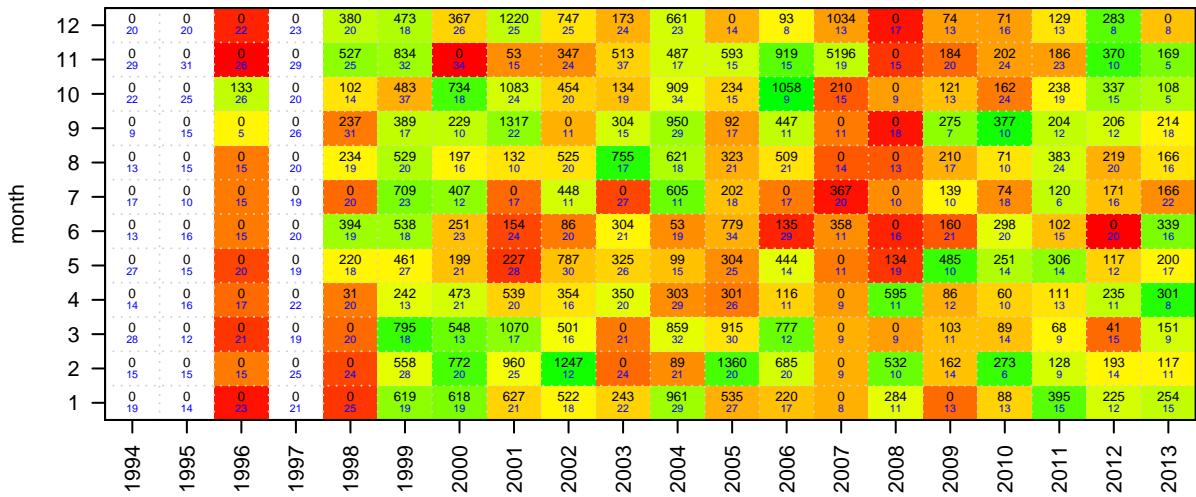
## Onboard discard weight data



# Ocean Perch Offshore

Sat Jul 19 15:44:09 2014

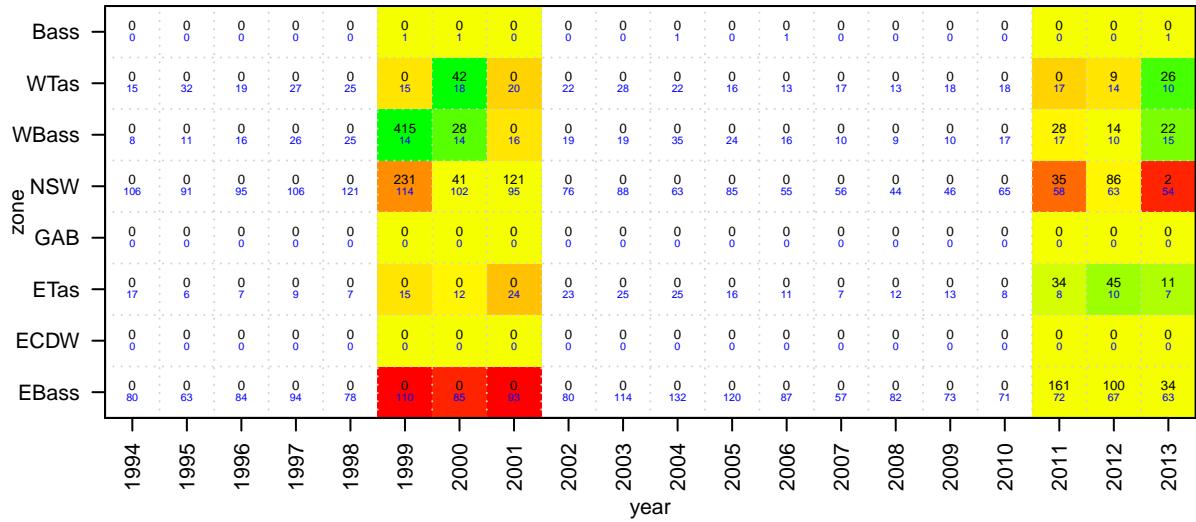
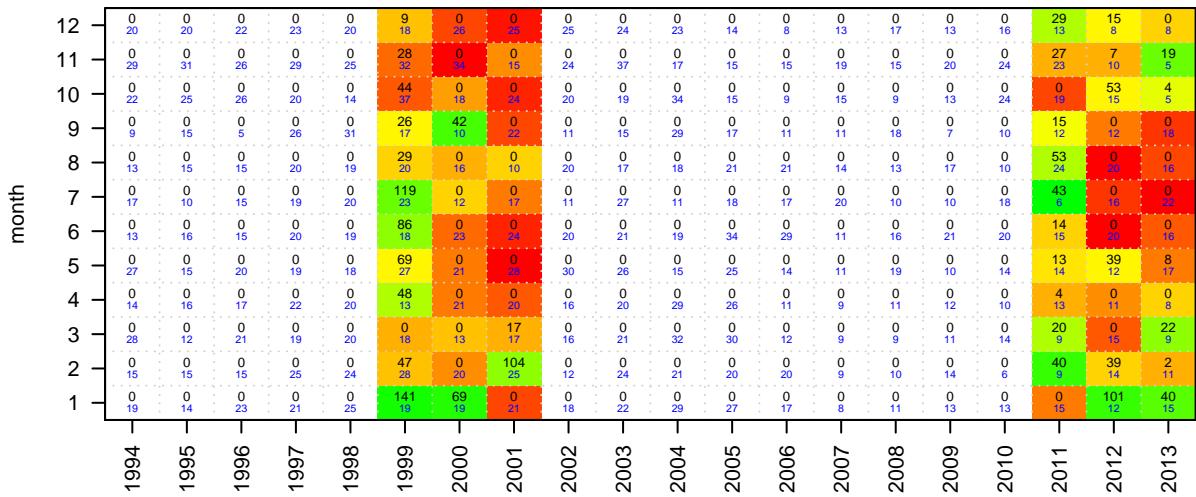
## Port length data



# Ocean Perch Offshore

Sat Jul 19 15:44:09 2014

## Age data



# Silver Warehou

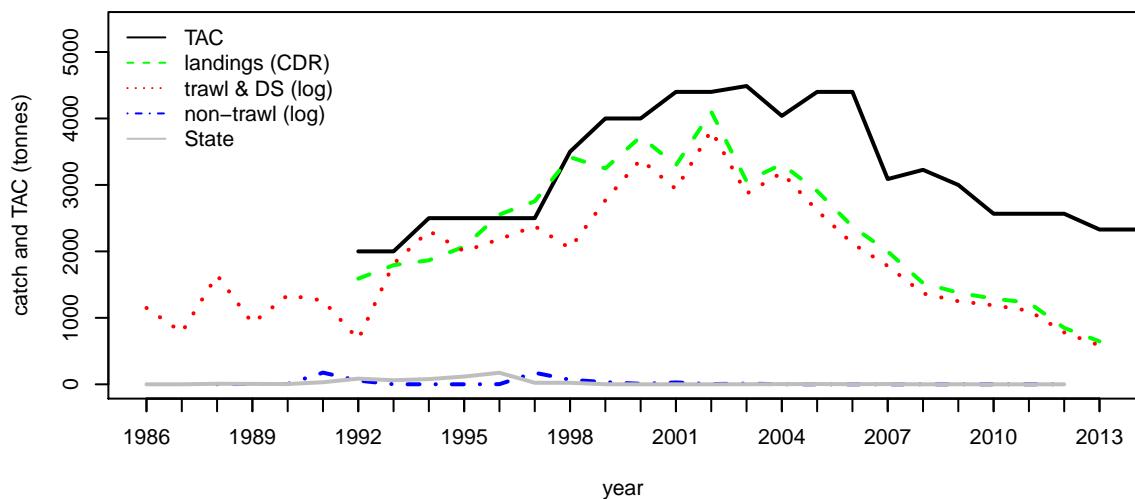
Sat Jul 19 15:47:20 2014

region SET unit code TRS

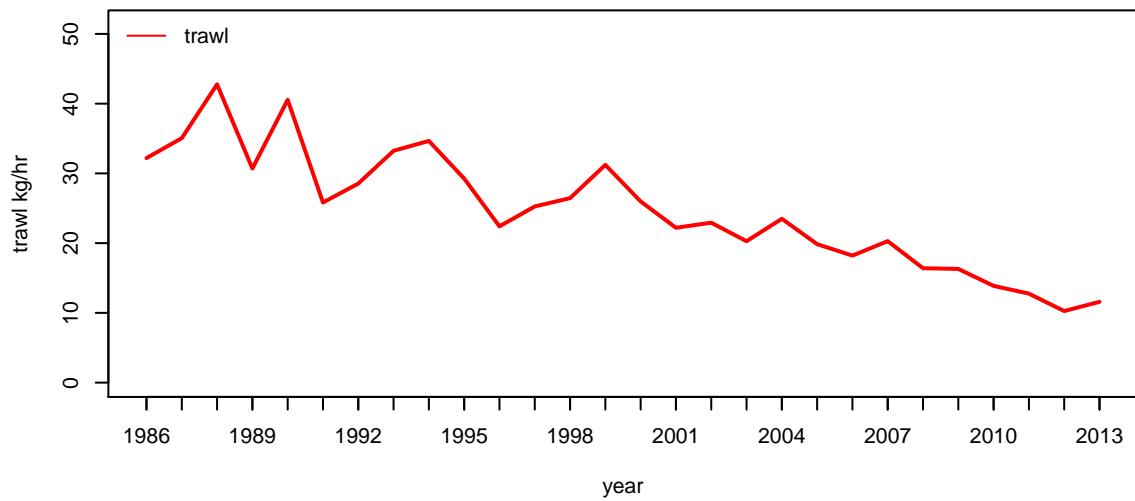
CAAB 37445006

start month 1

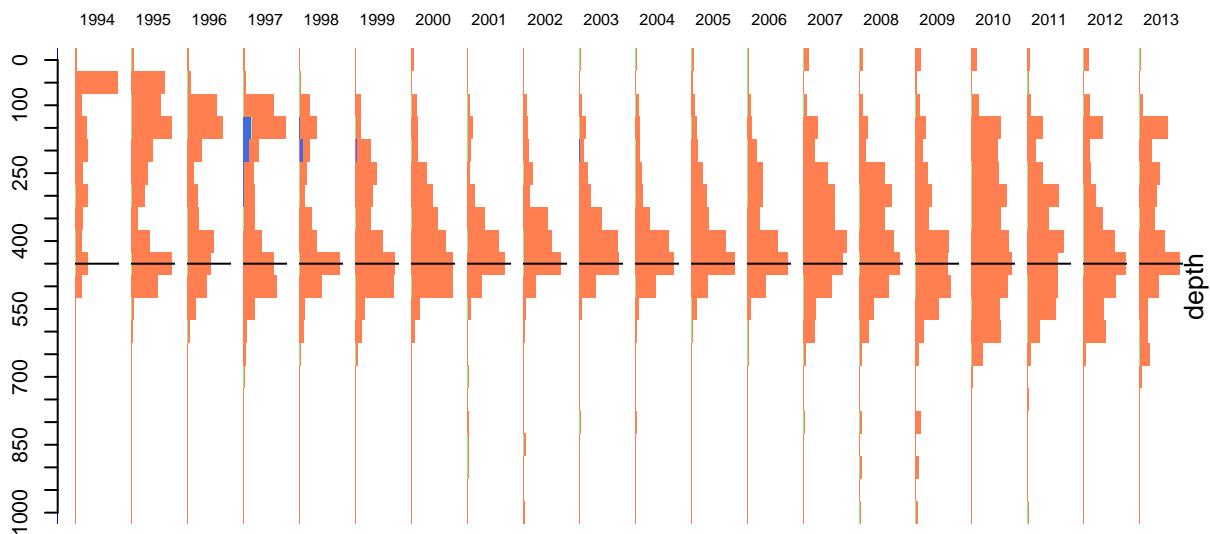
## TAC and landings



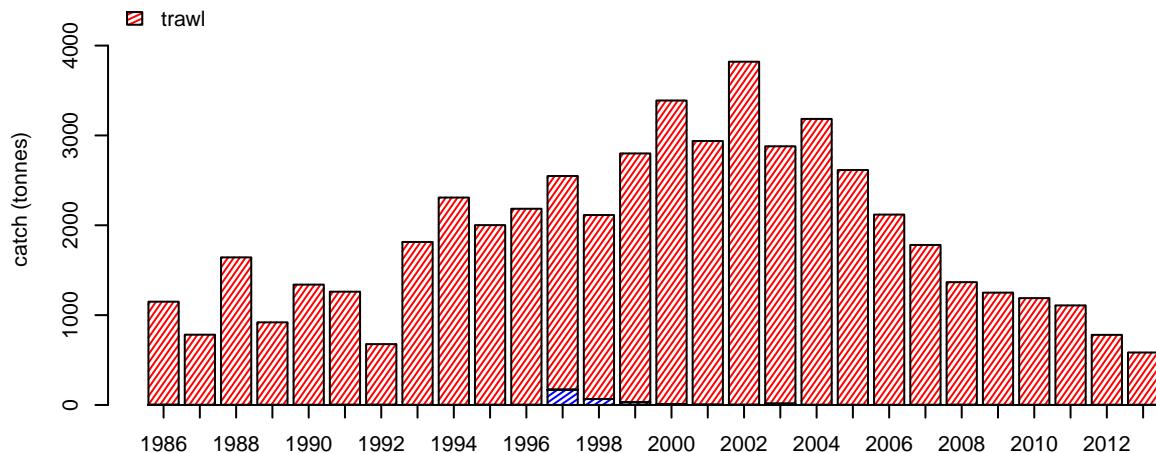
## Geometric mean CPUE



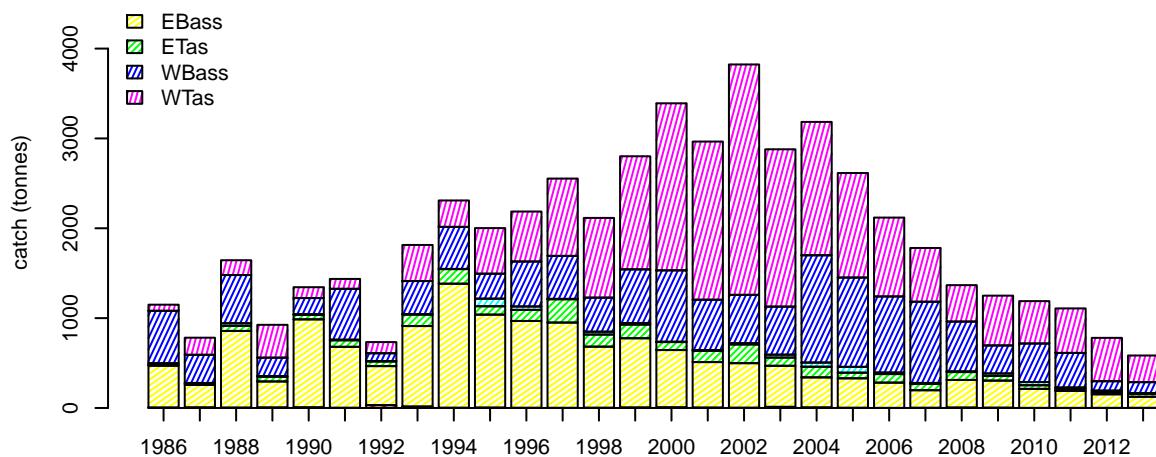
## Catch at depth



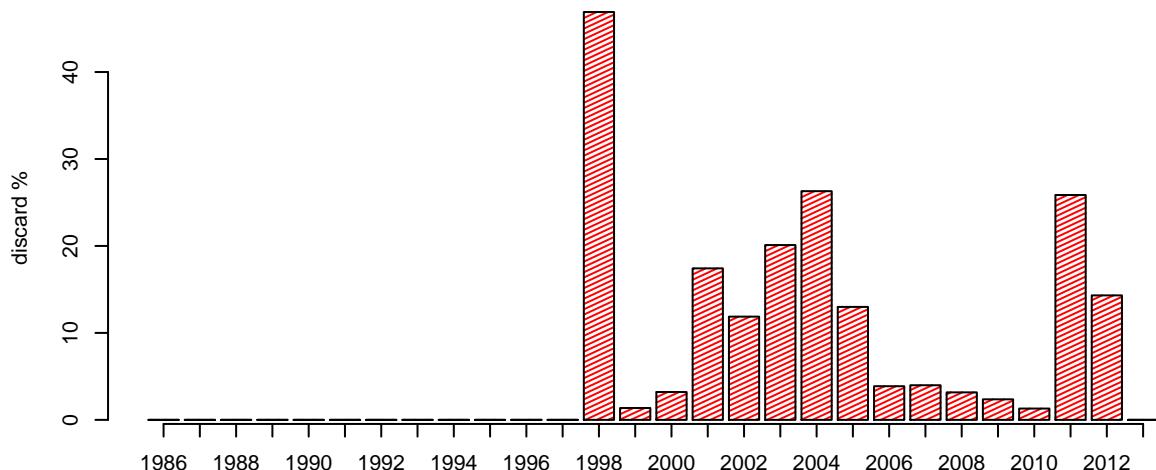
## Catch by gear



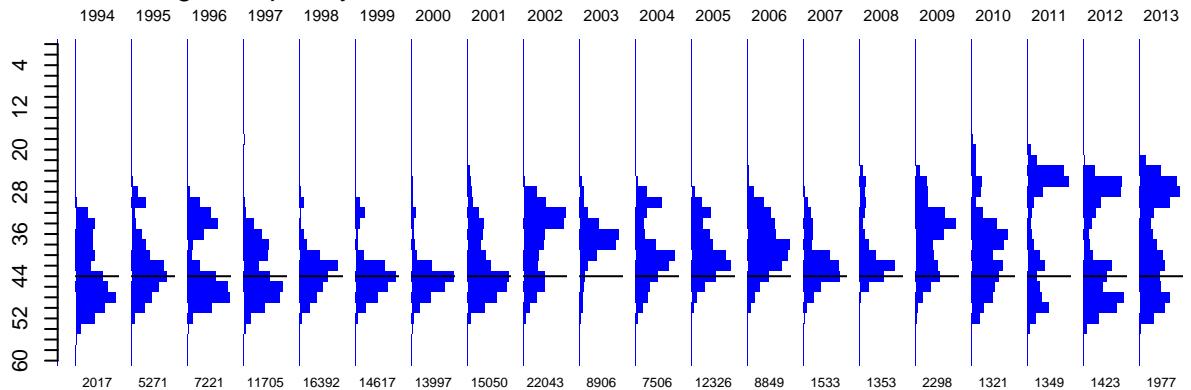
## Catch by zone



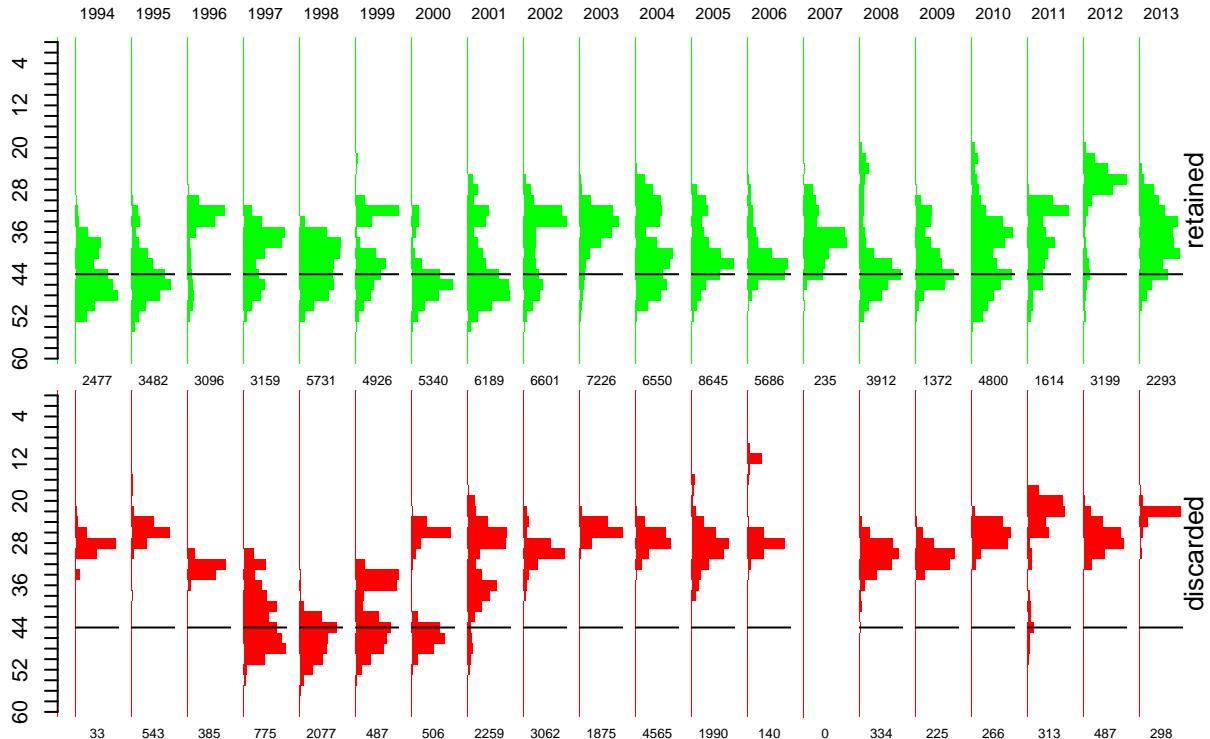
## Discards



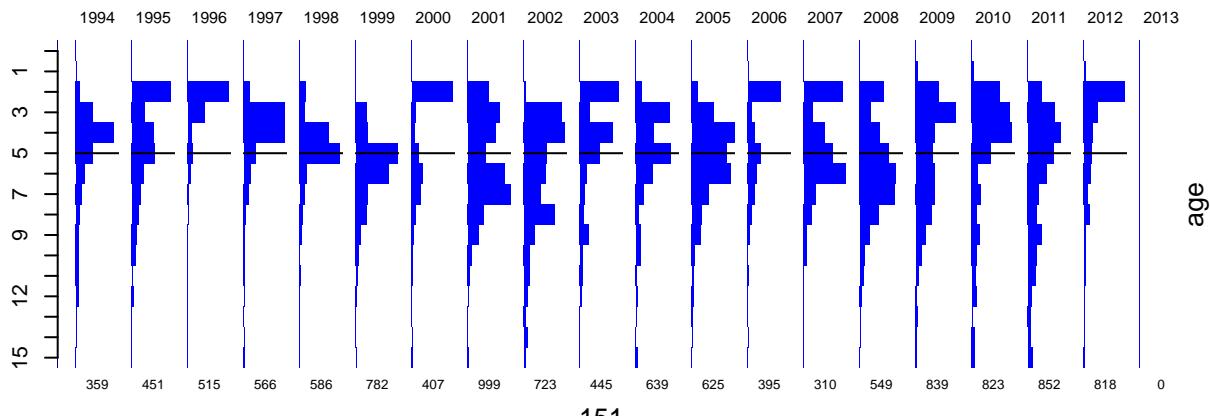
## Port length frequency



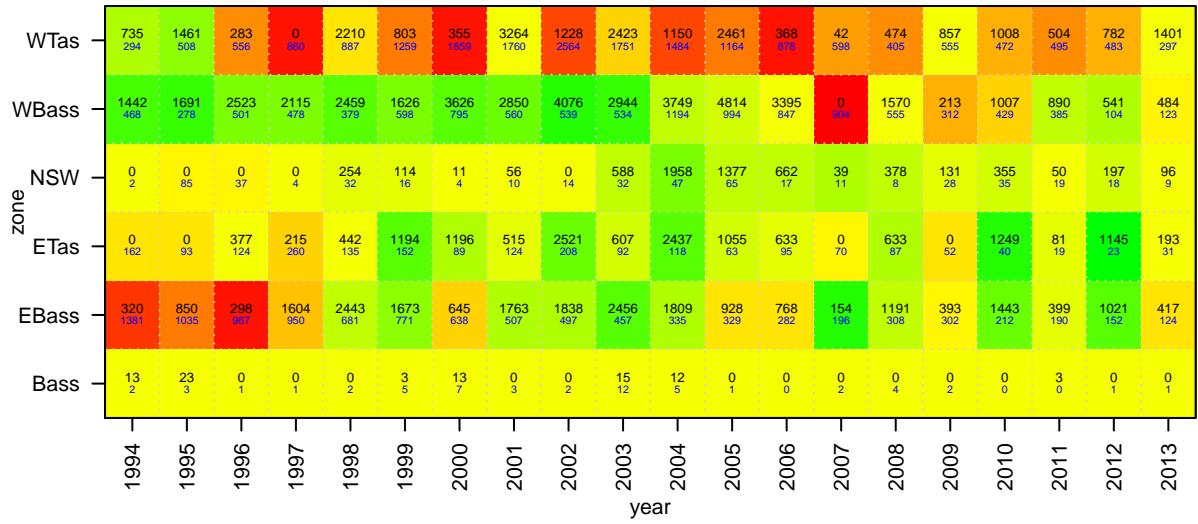
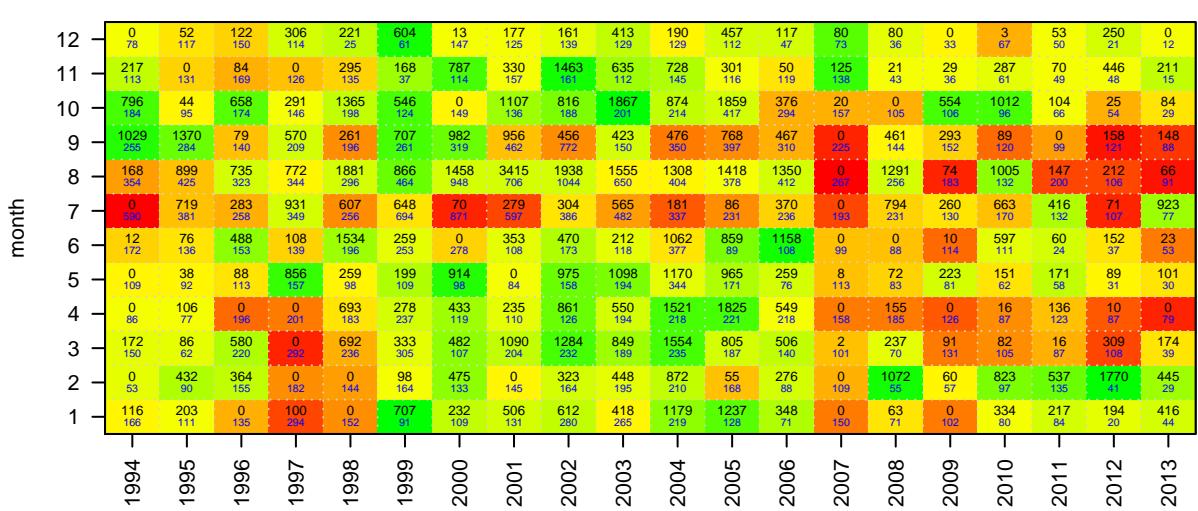
## Onboard length frequency



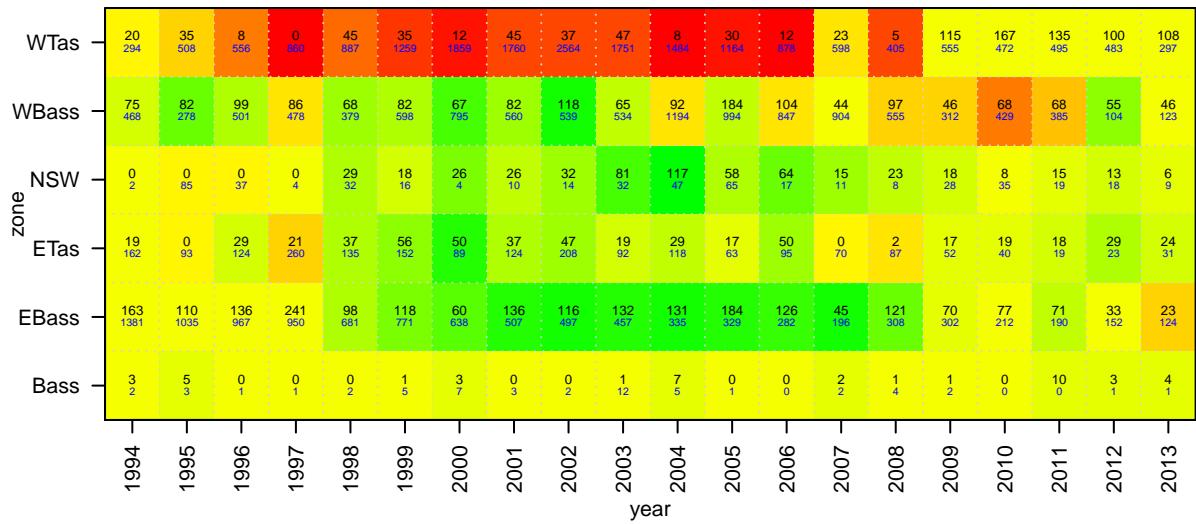
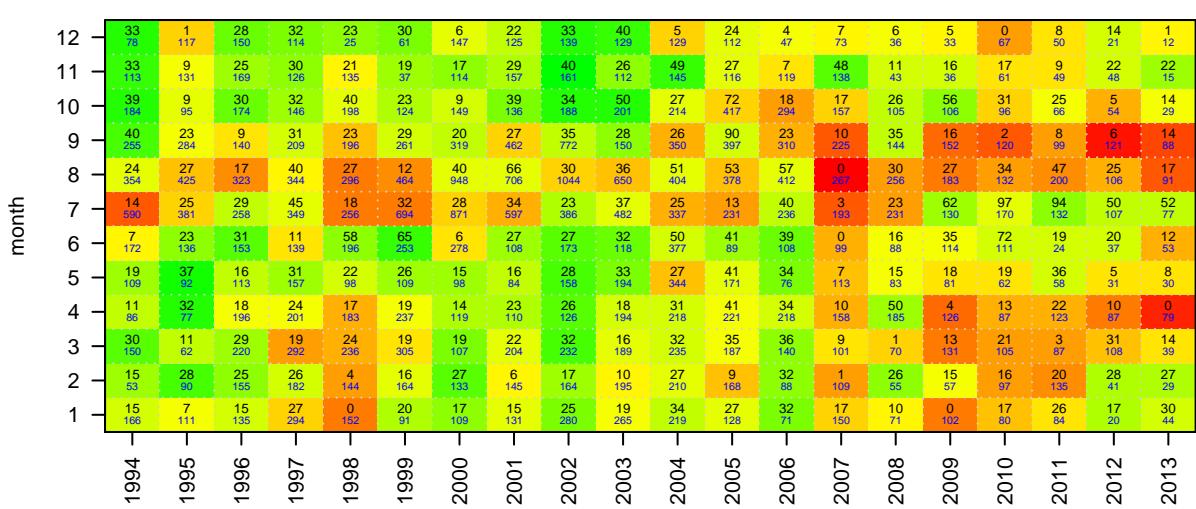
## Age frequency



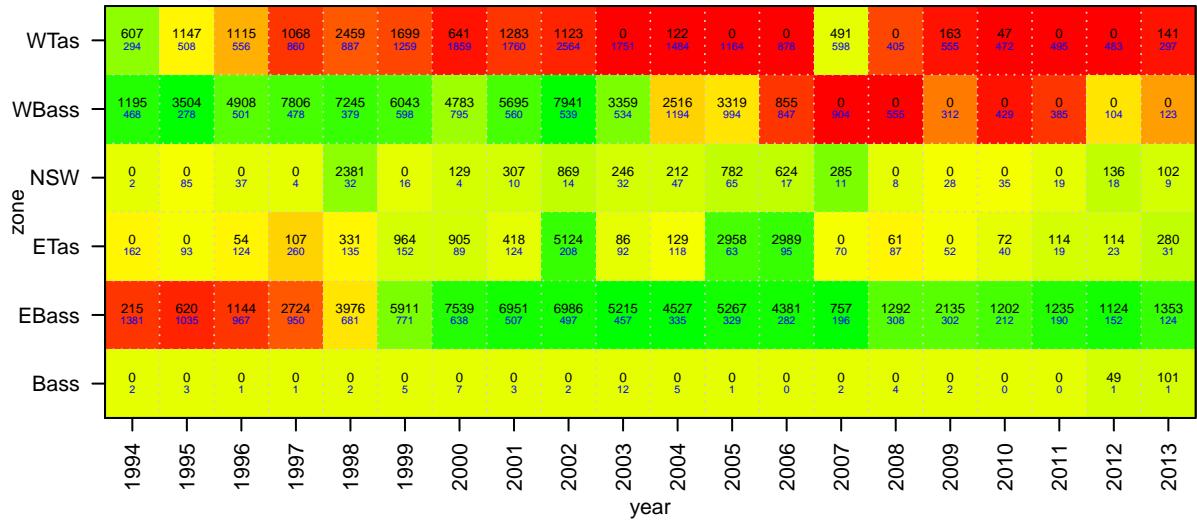
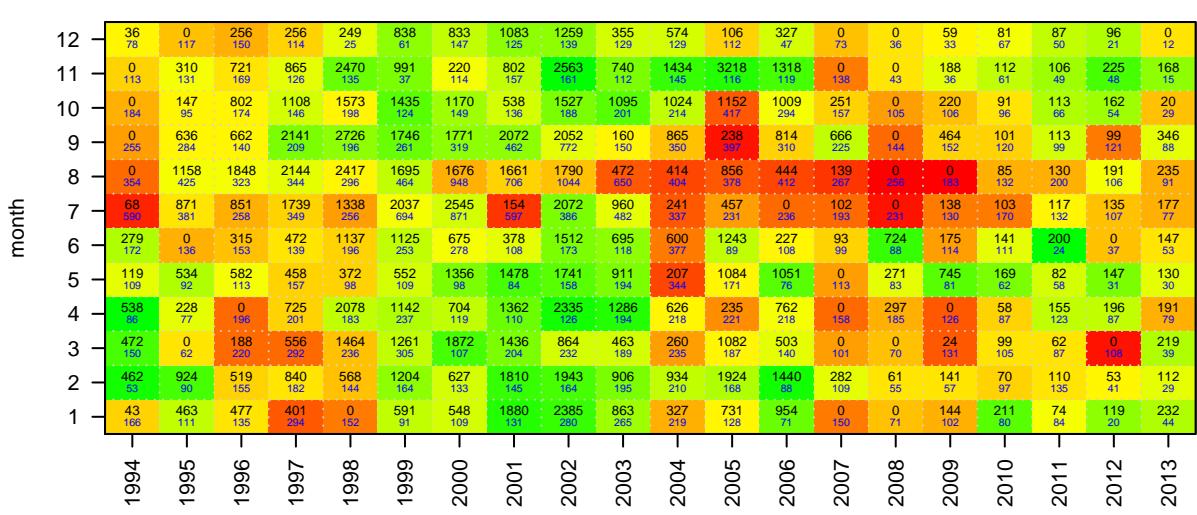
## Onboard length data



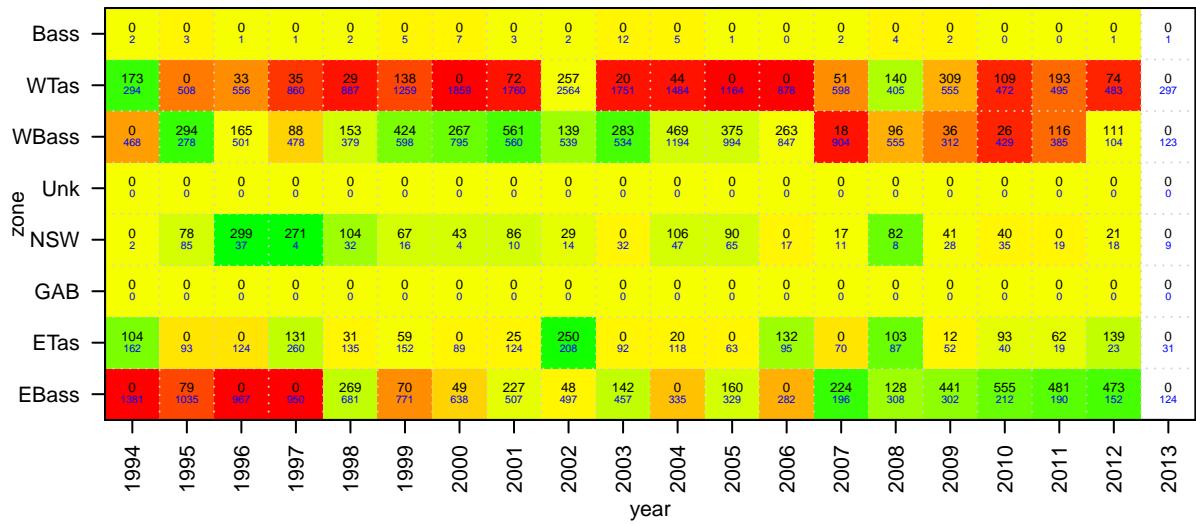
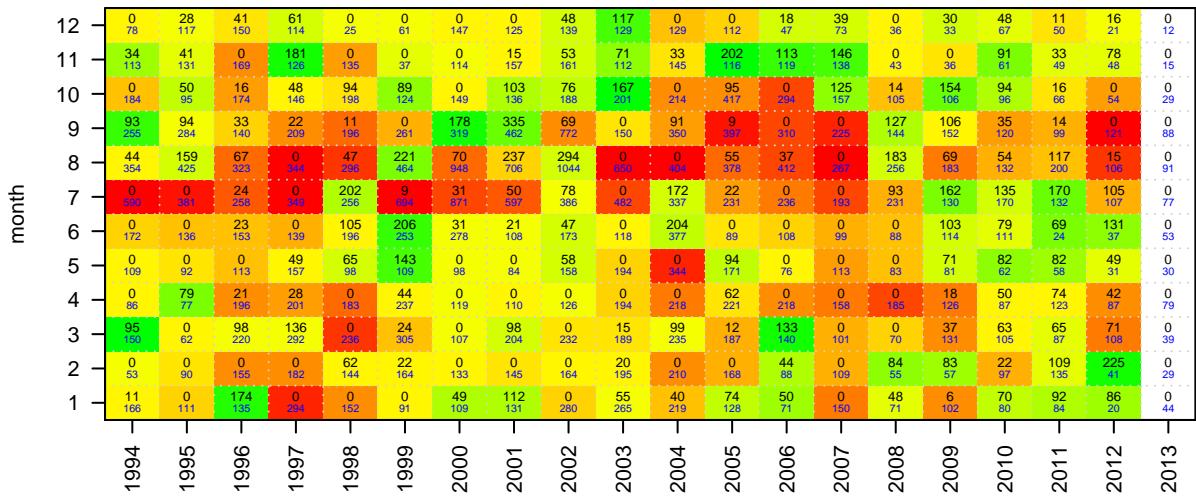
## Onboard discard weight data



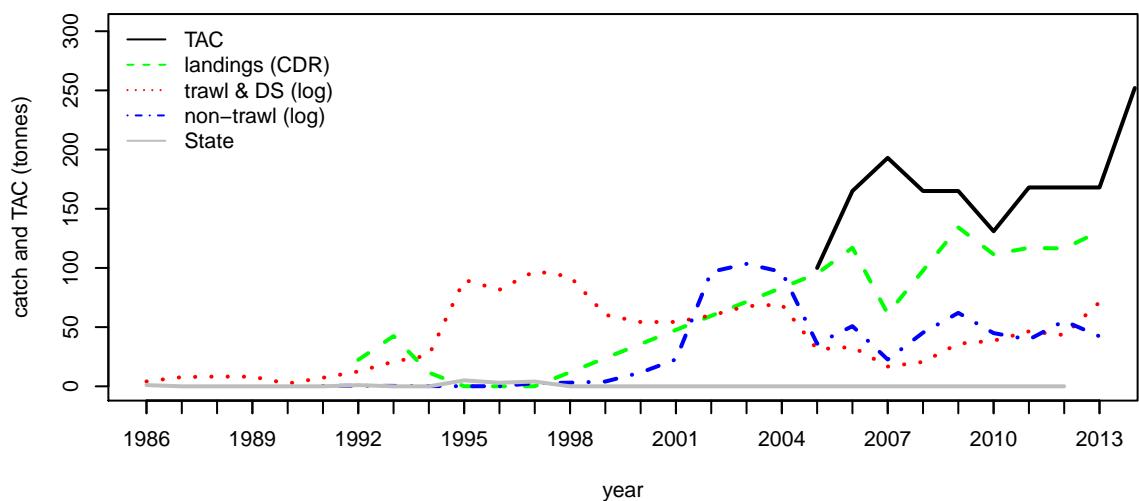
## Port length data



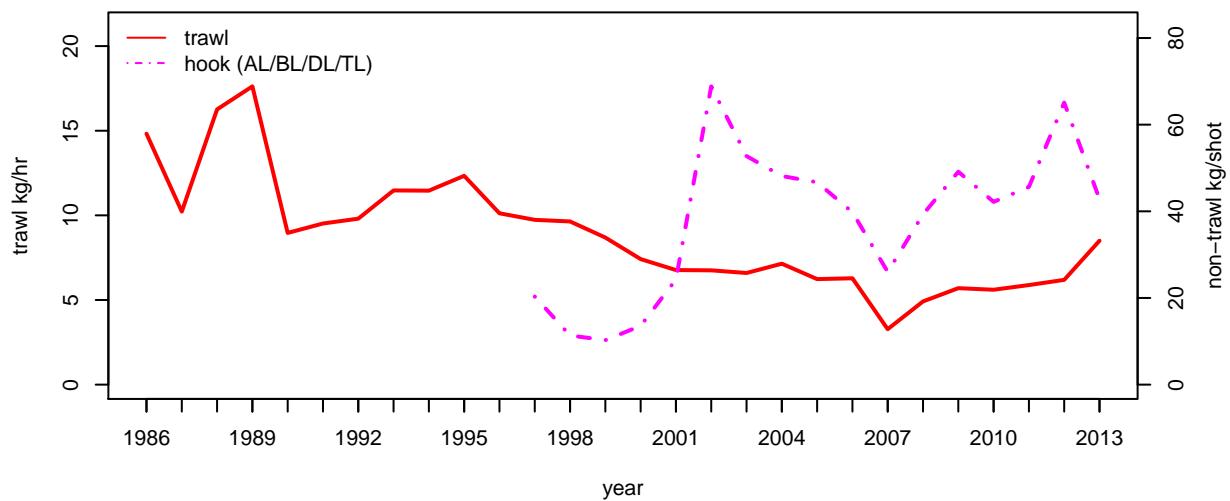
## Age data



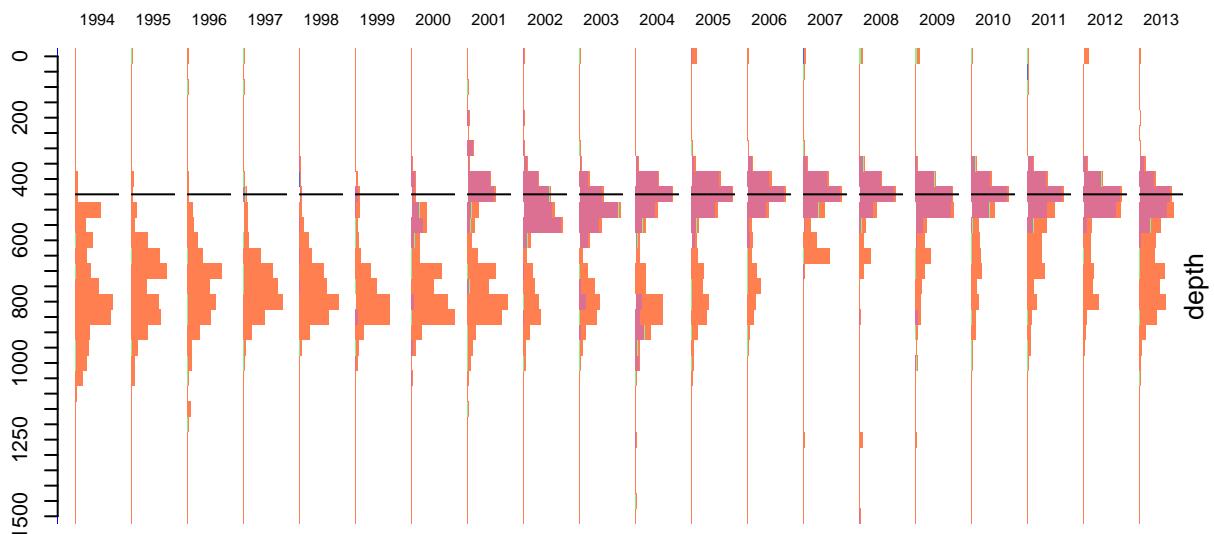
## TAC and landings



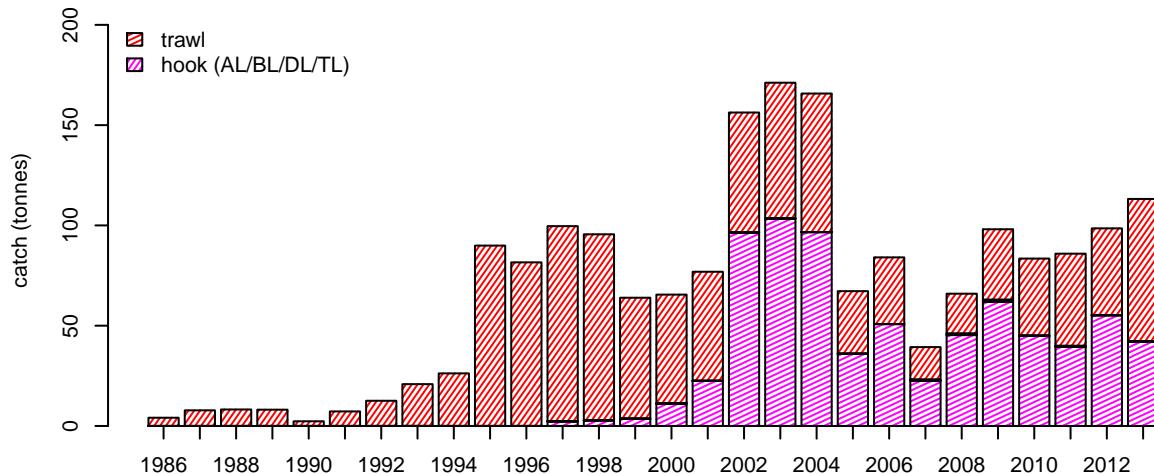
## Geometric mean CPUE



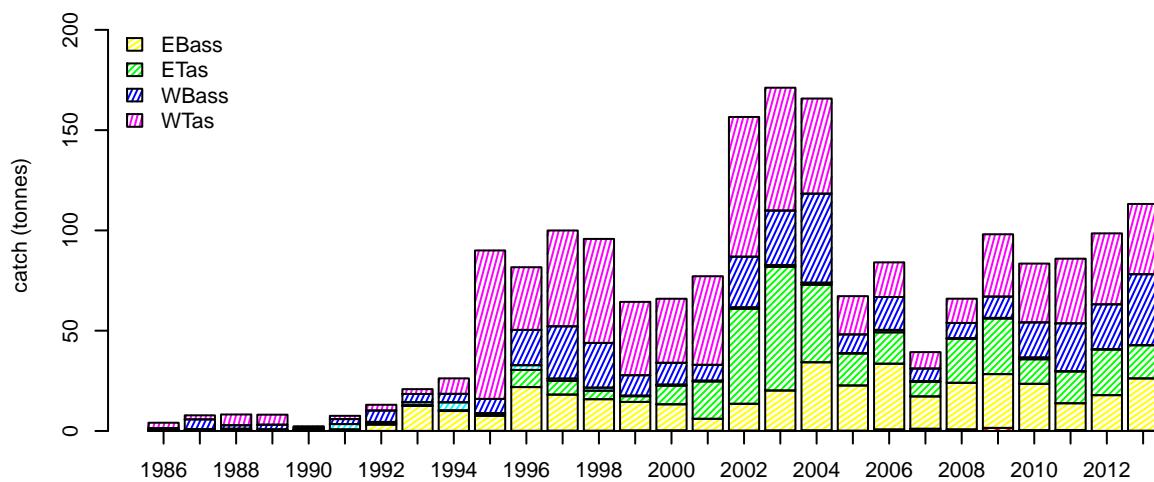
## Catch at depth



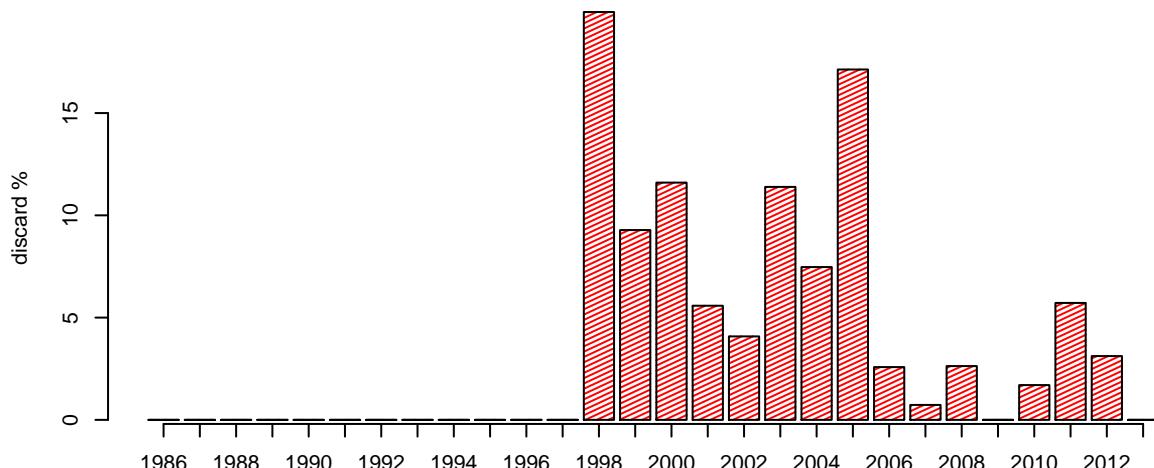
## Catch by gear



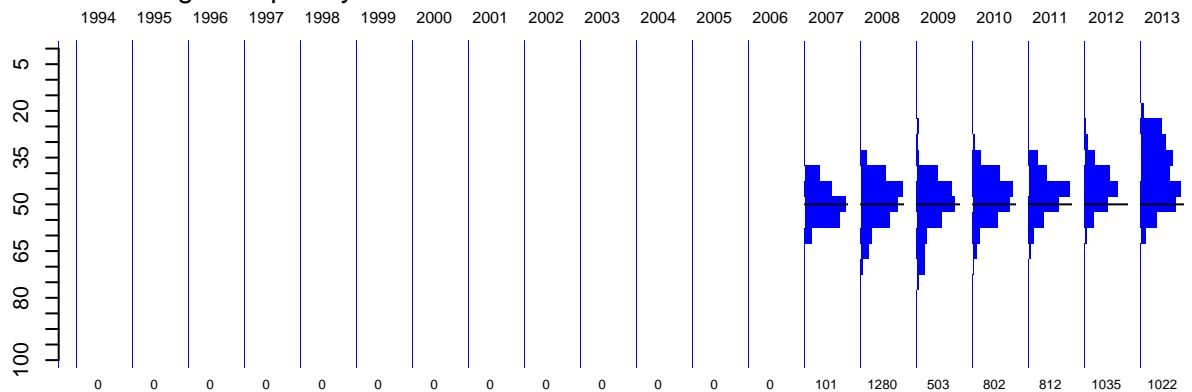
## Catch by zone



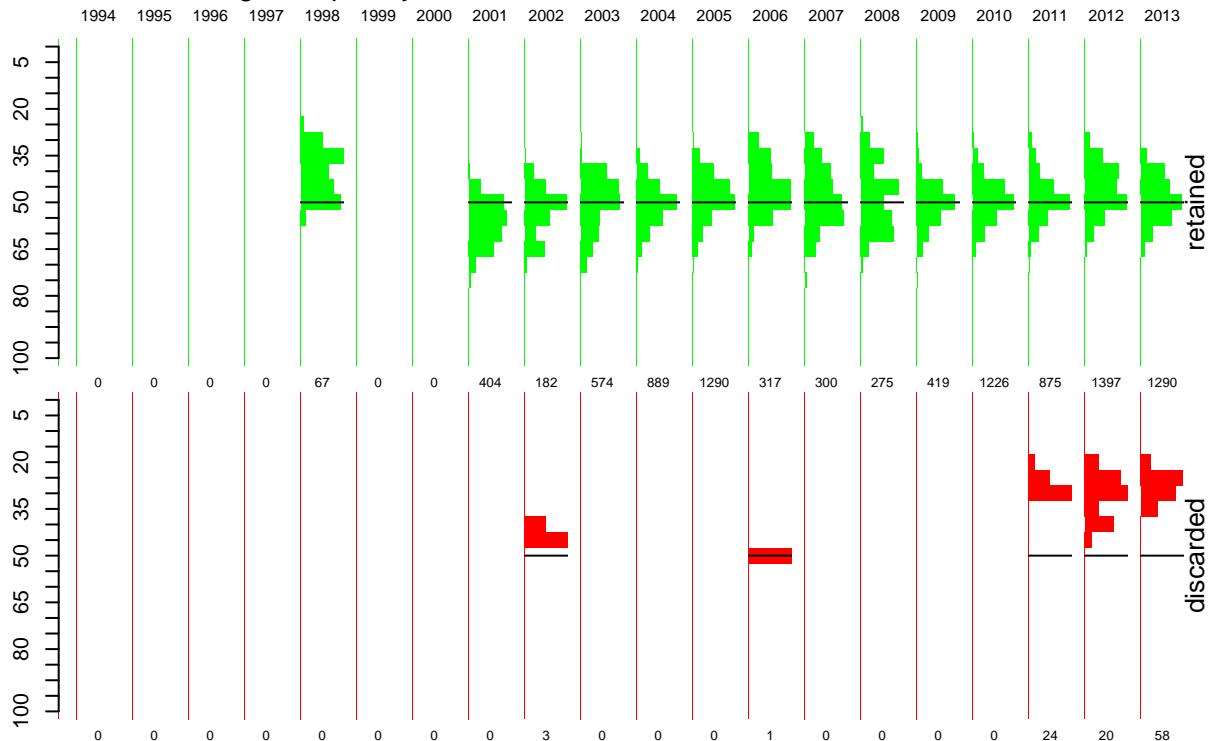
## Discards



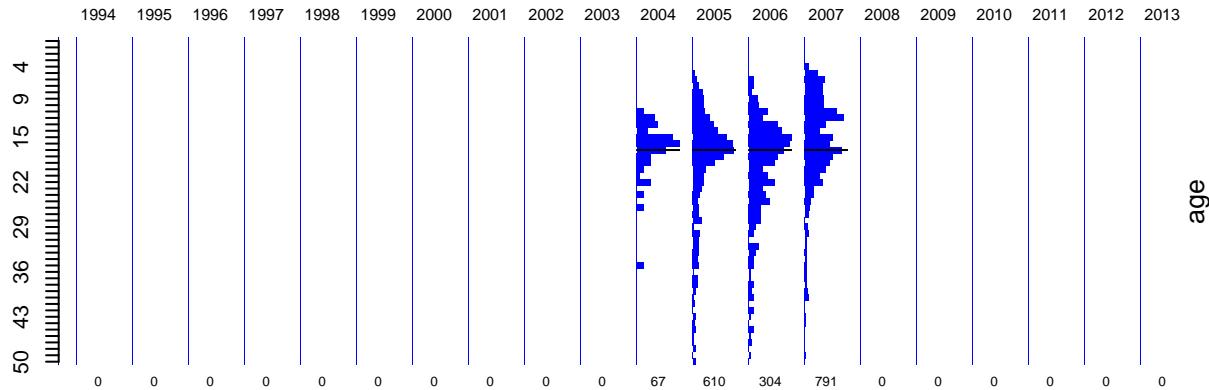
## Port length frequency



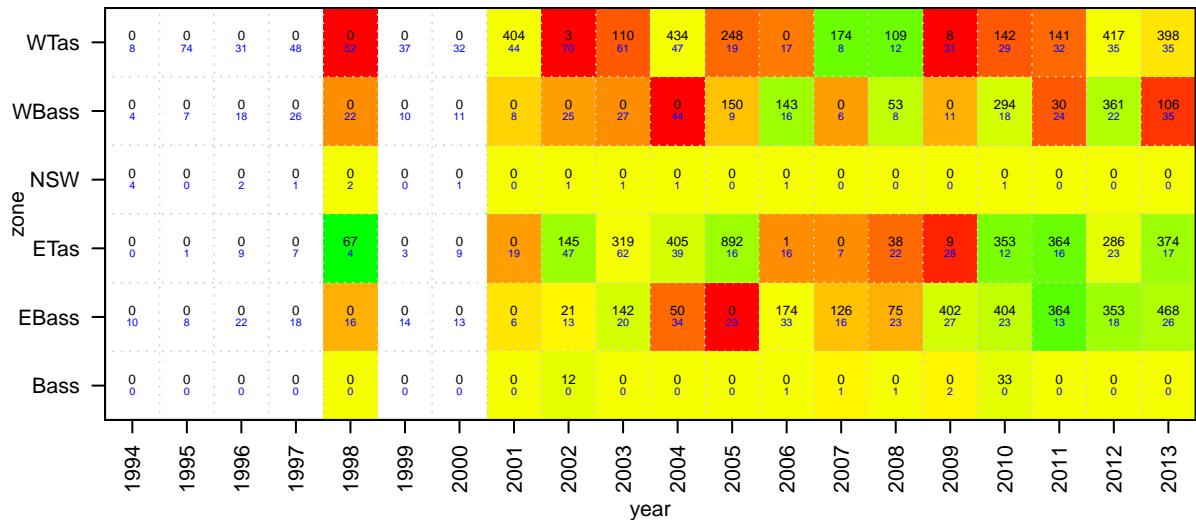
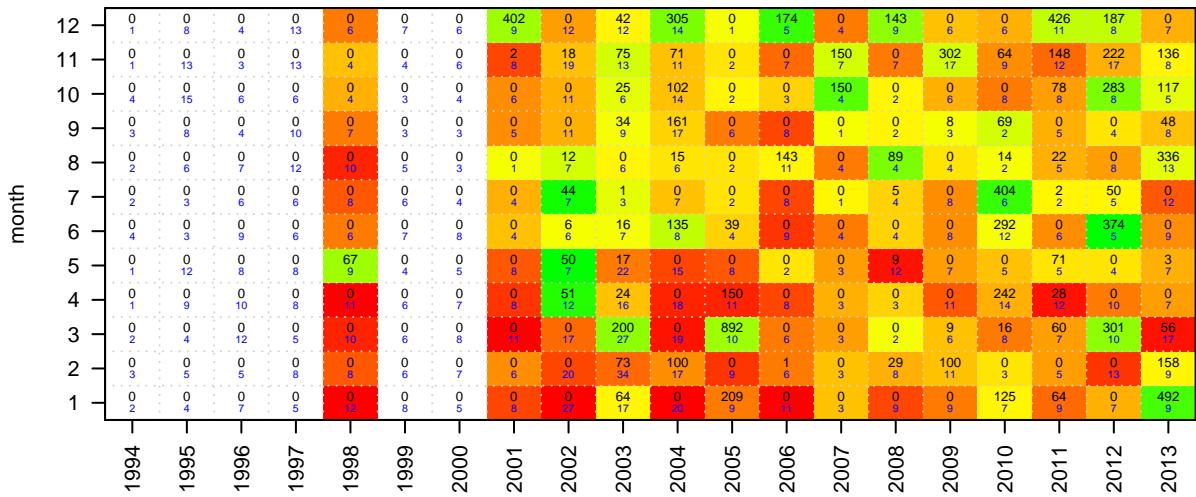
## Onboard length frequency



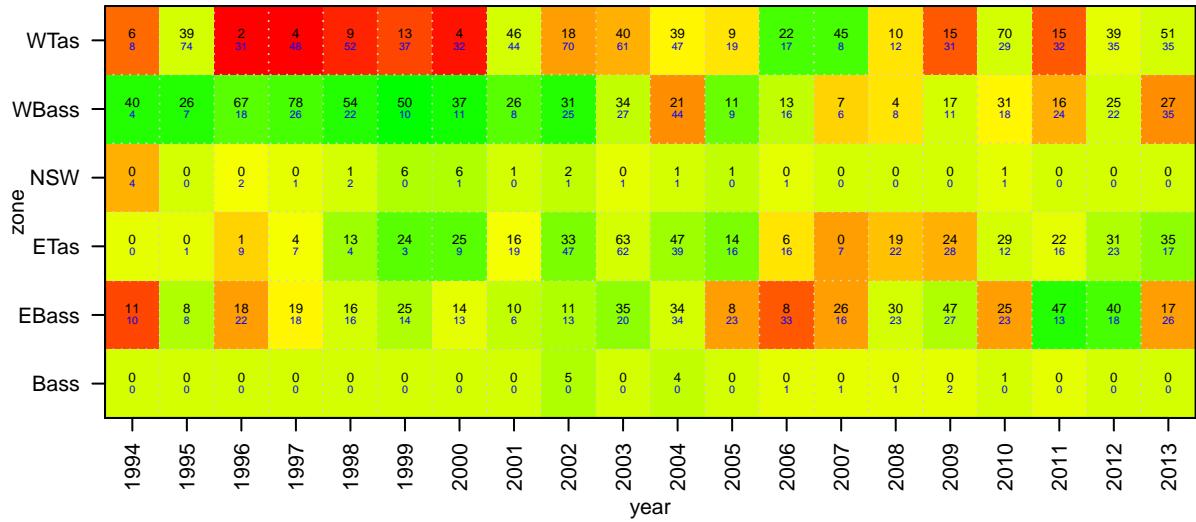
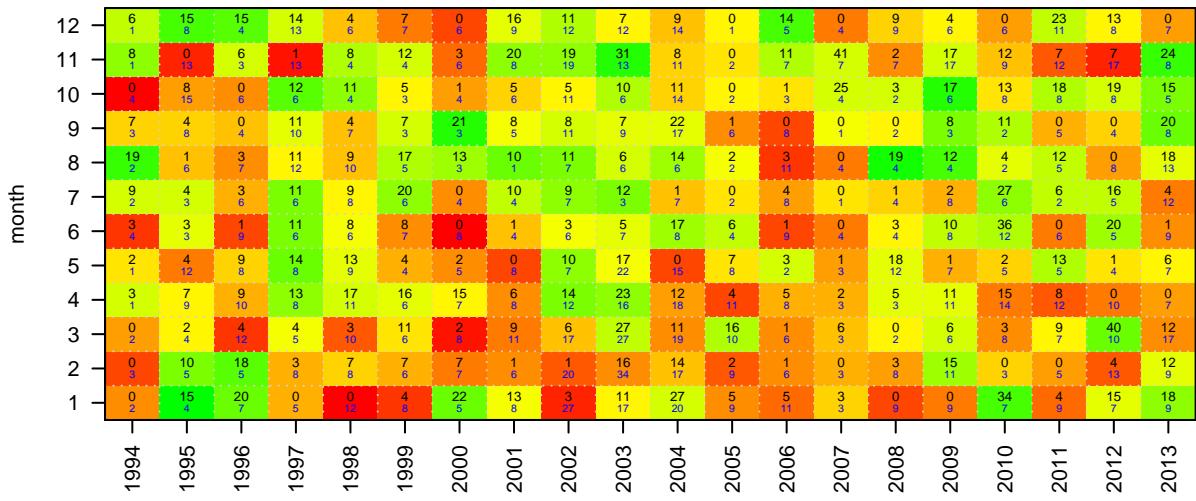
## Age frequency



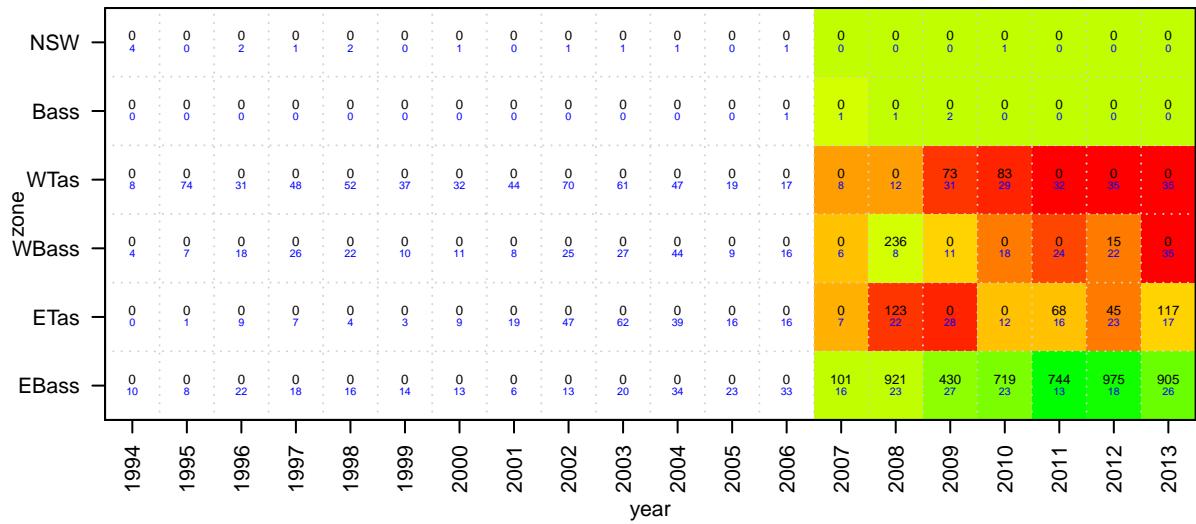
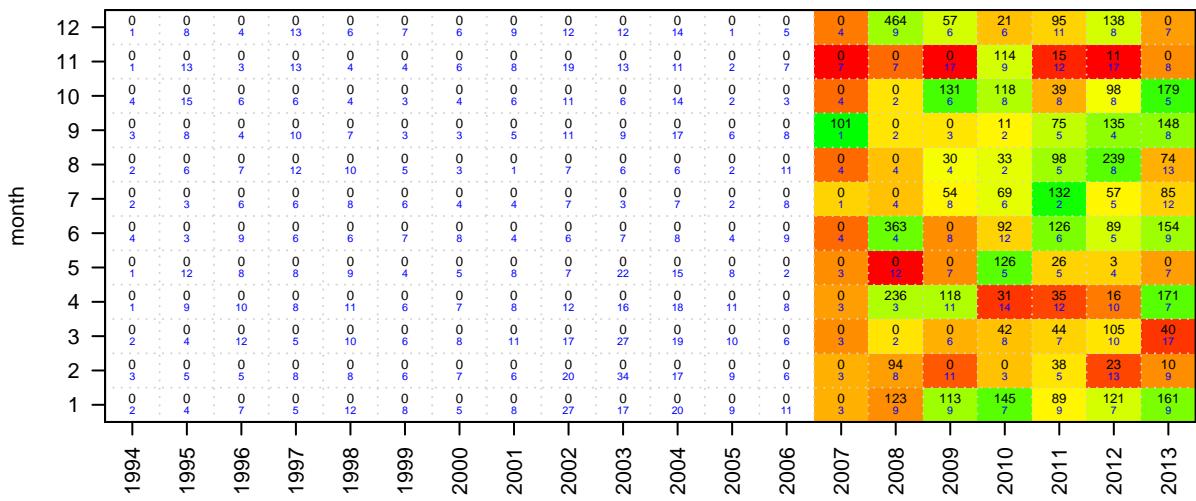
## Onboard length data



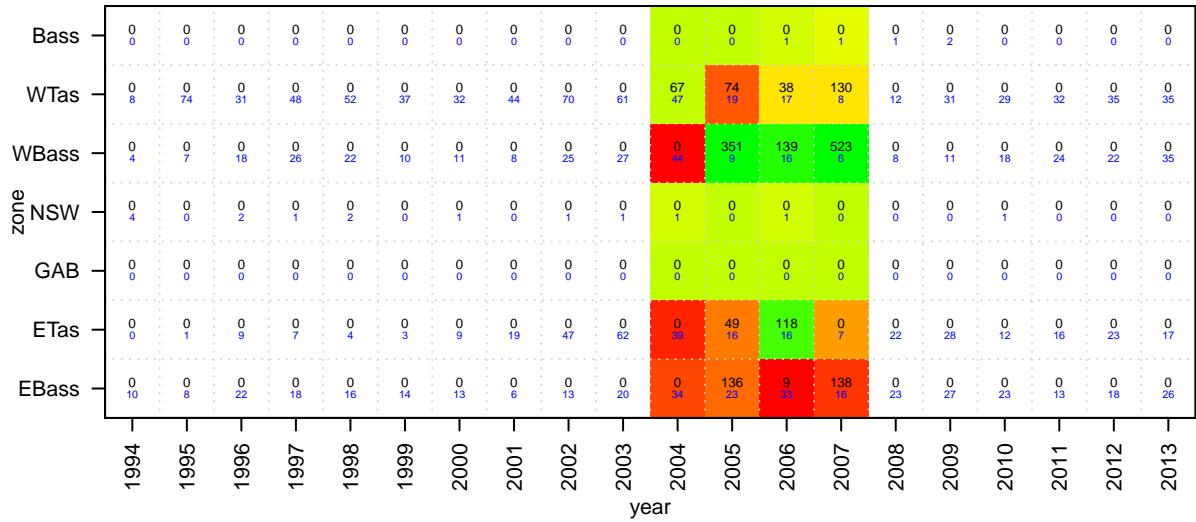
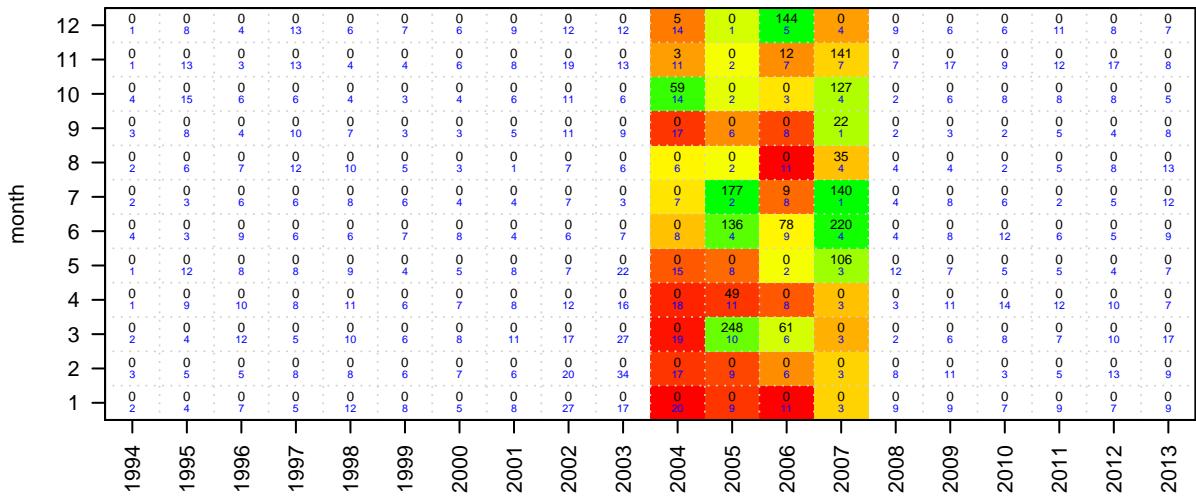
## Onboard discard weight data



## Port length data



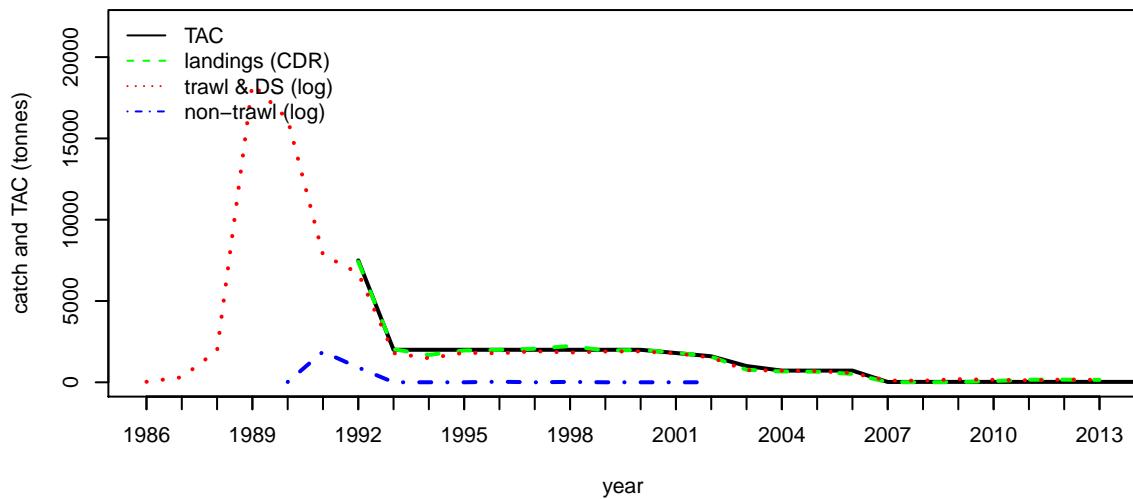
## Age data



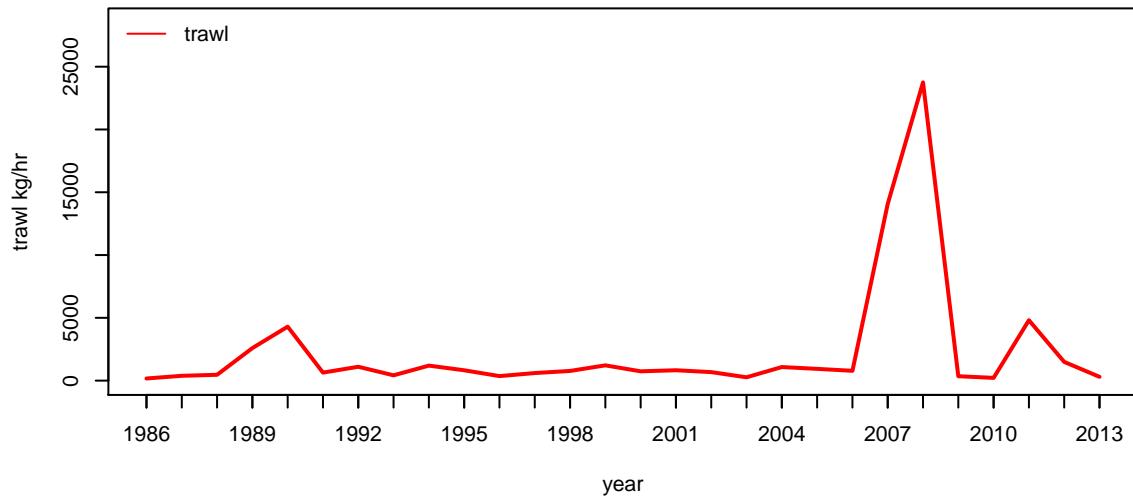
# Orange Roughy East

Sat Jul 19 15:50:17 2014  
region OR10 unit code ORE  
CAAB 37255009  
start month 1

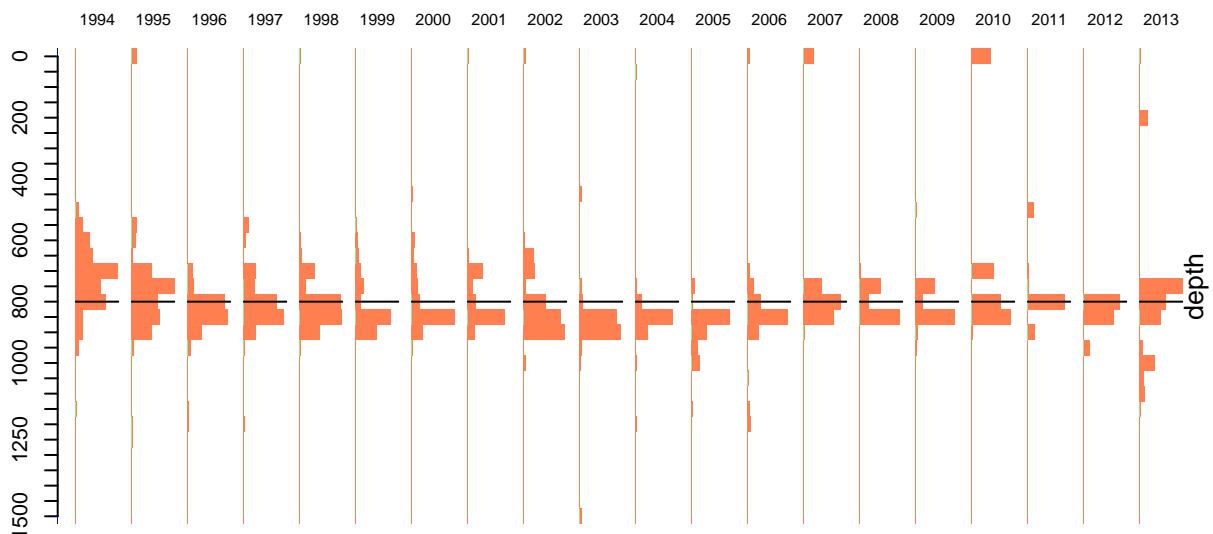
## TAC and landings



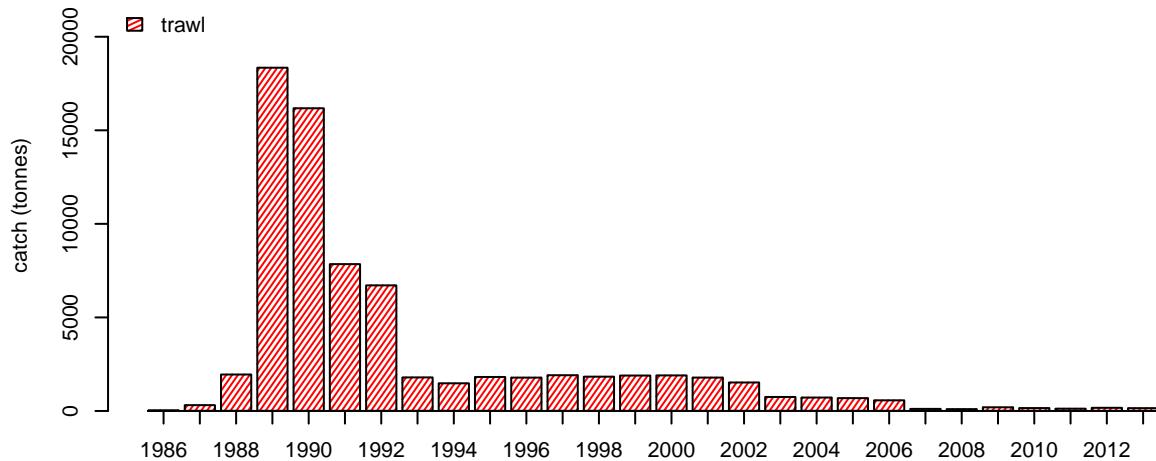
## Geometric mean CPUE



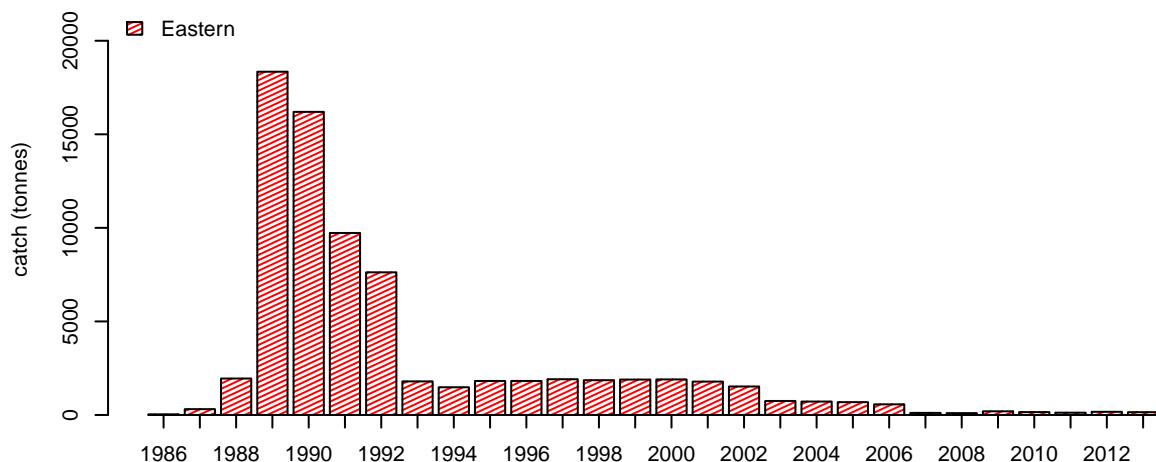
## Catch at depth



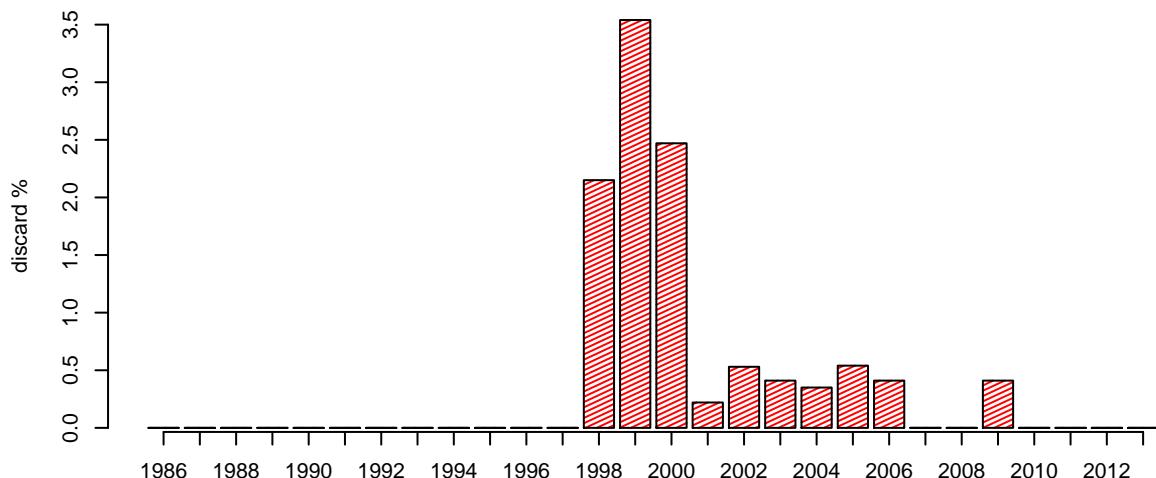
## Catch by gear



## Catch by zone



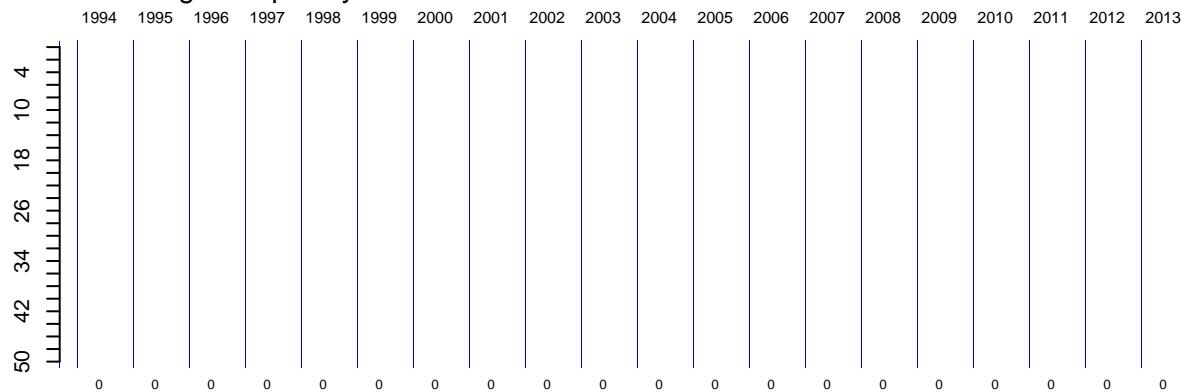
## Discards



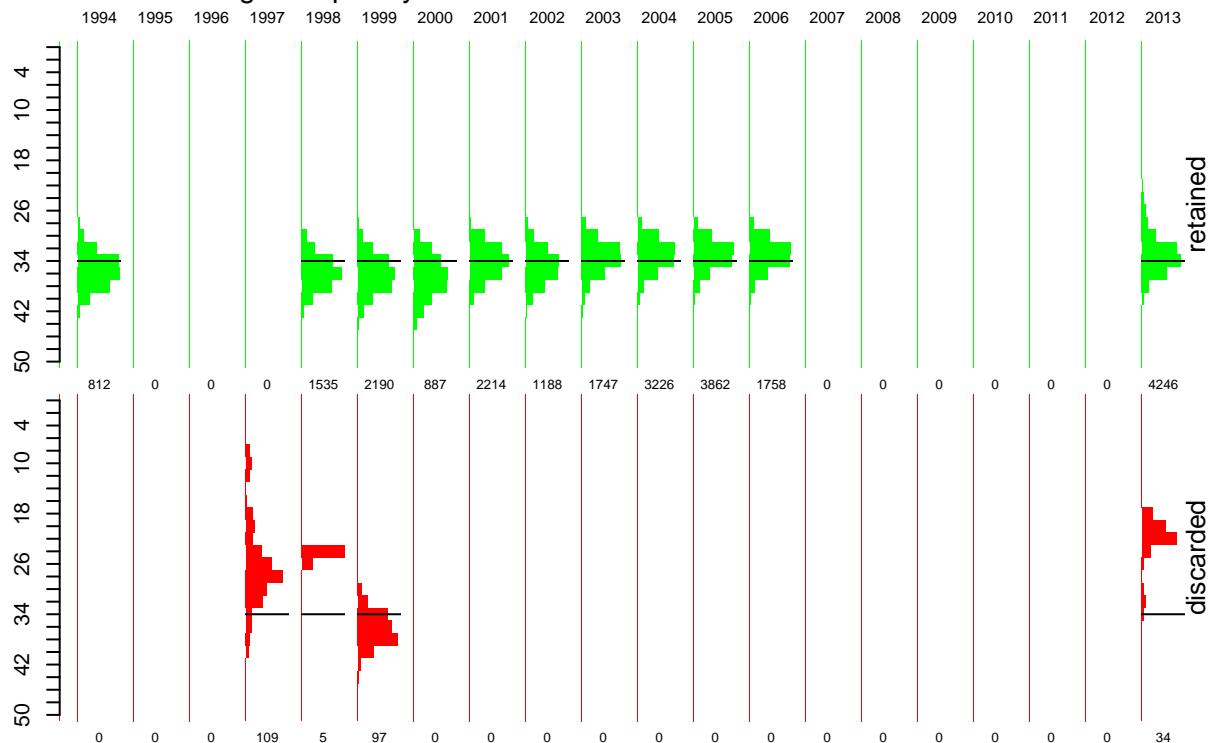
# Orange Roughy East

Sat Jul 19 15:50:20 2014

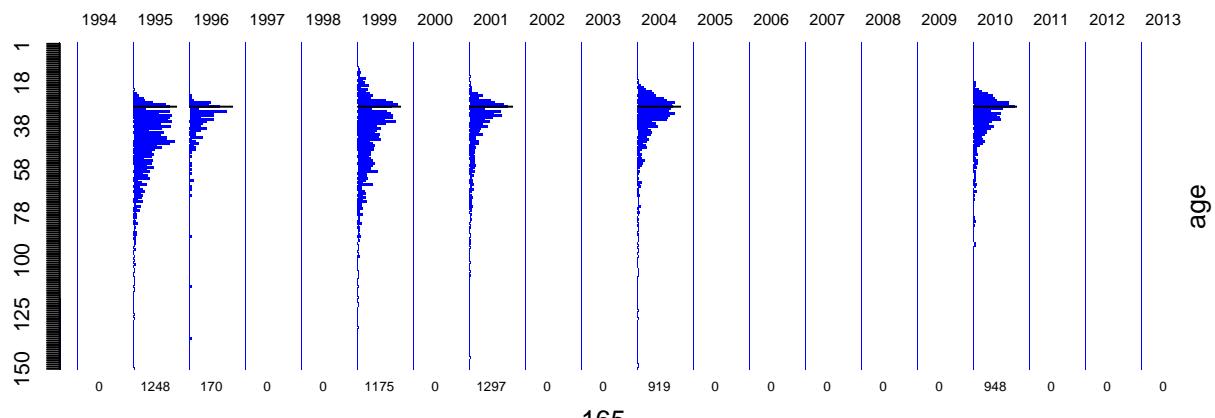
## Port length frequency



## Onboard length frequency



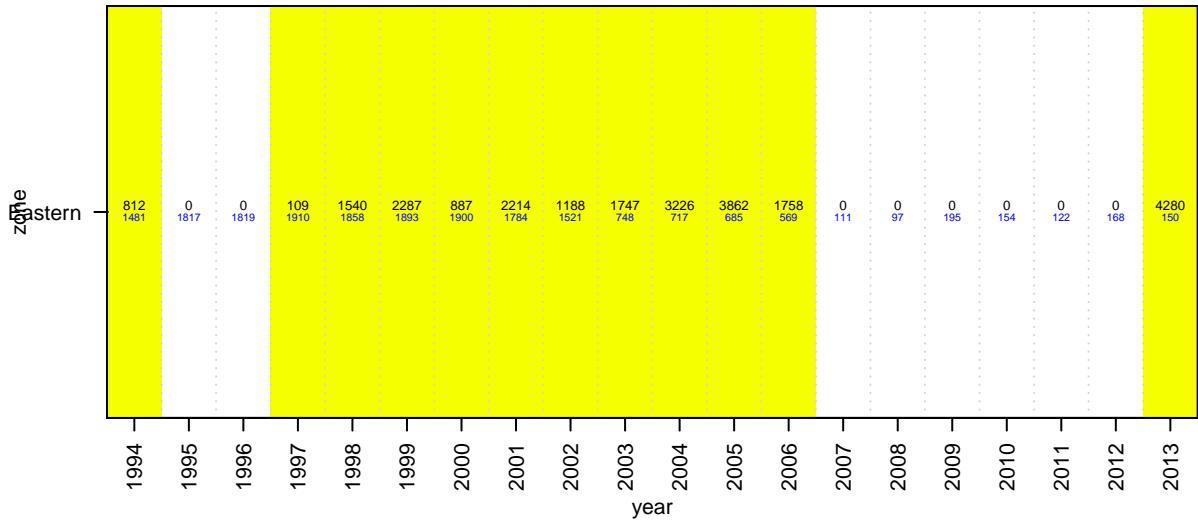
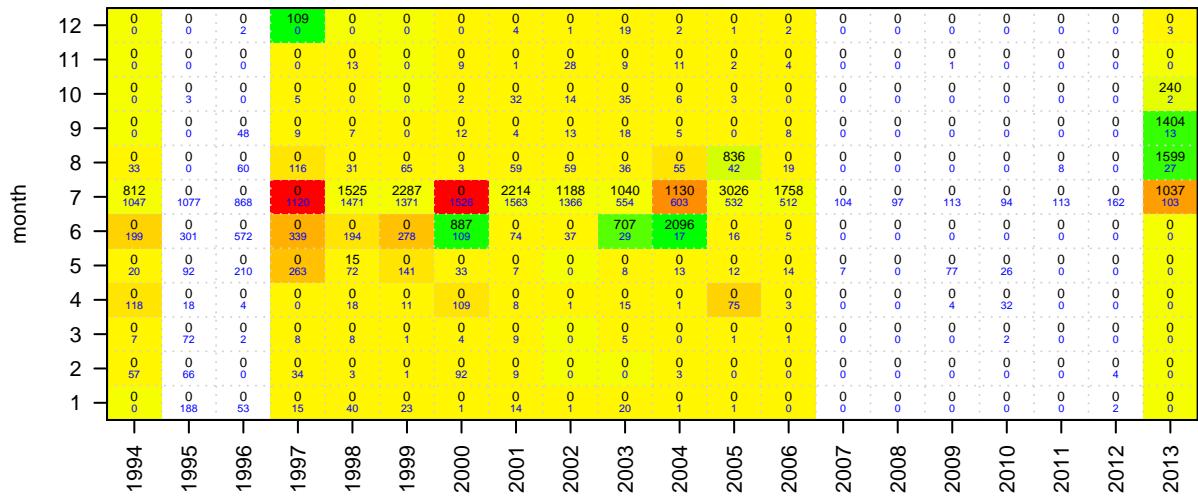
## Age frequency



# Orange Roughy East

Sat Jul 19 15:50:24 2014

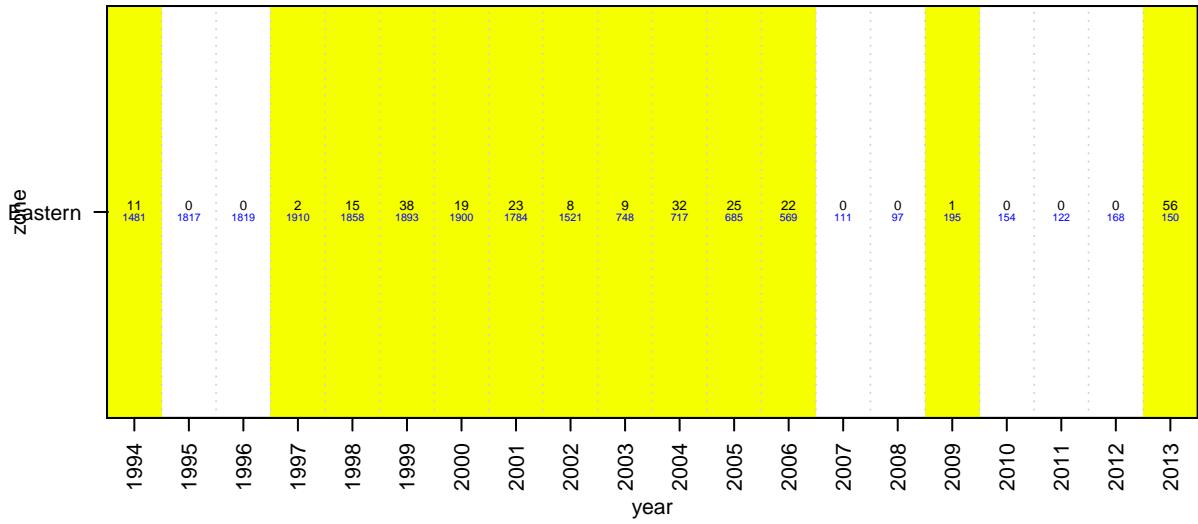
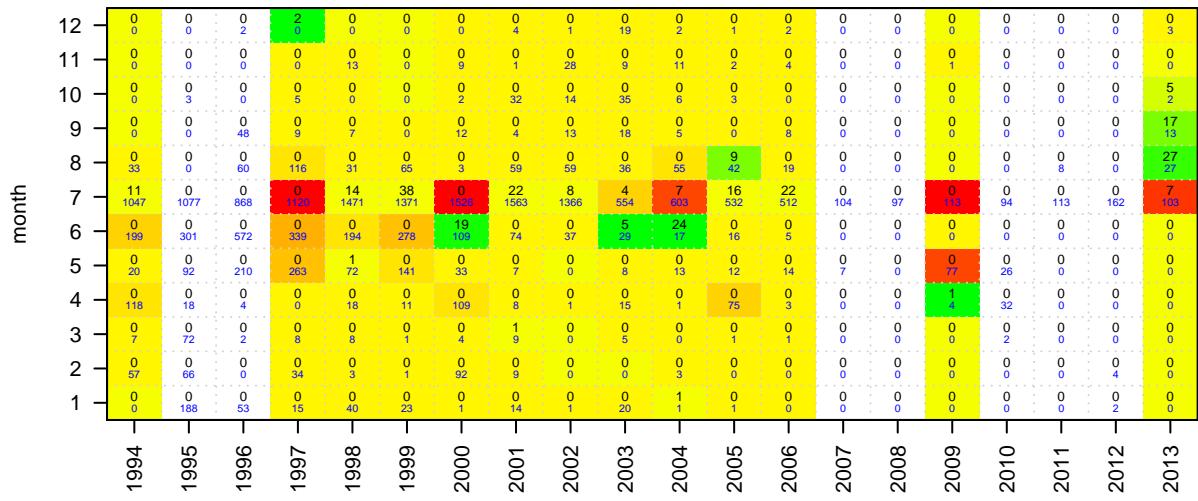
## Onboard length data



# Orange Roughy East

Sat Jul 19 15:50:24 2014

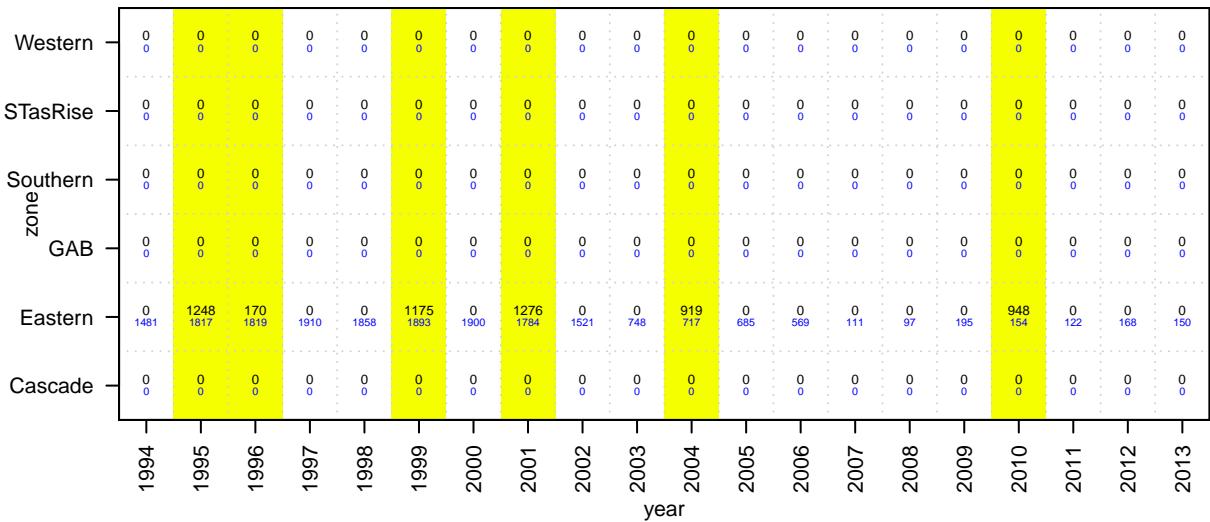
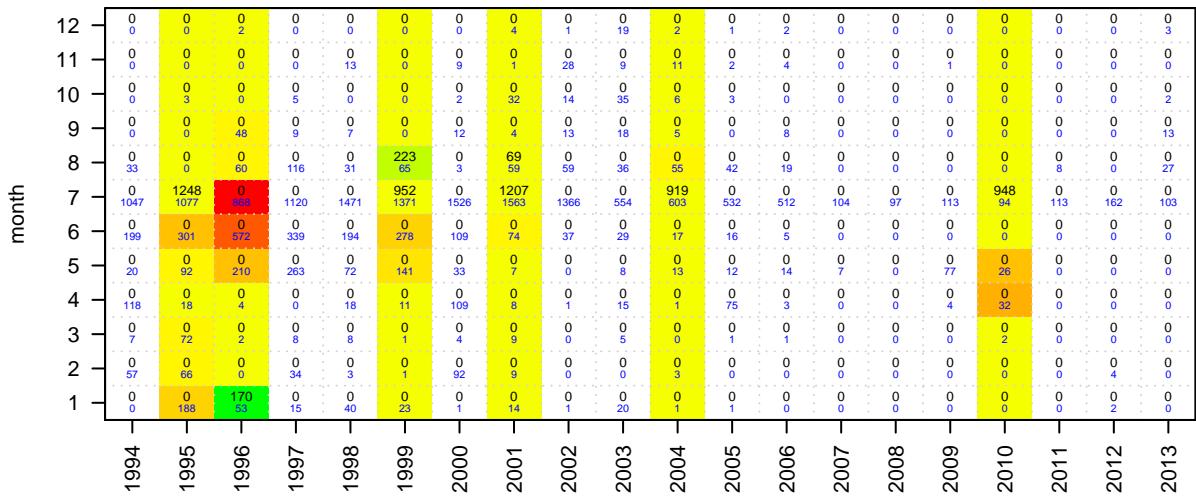
## Onboard discard weight data



# Orange Roughy East

Sat Jul 19 15:50:24 2014

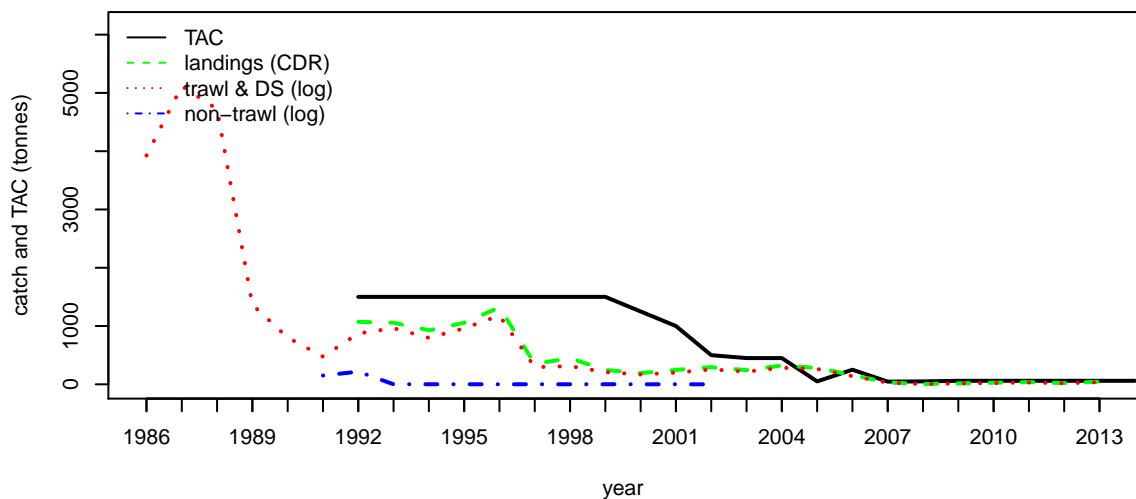
## Age data



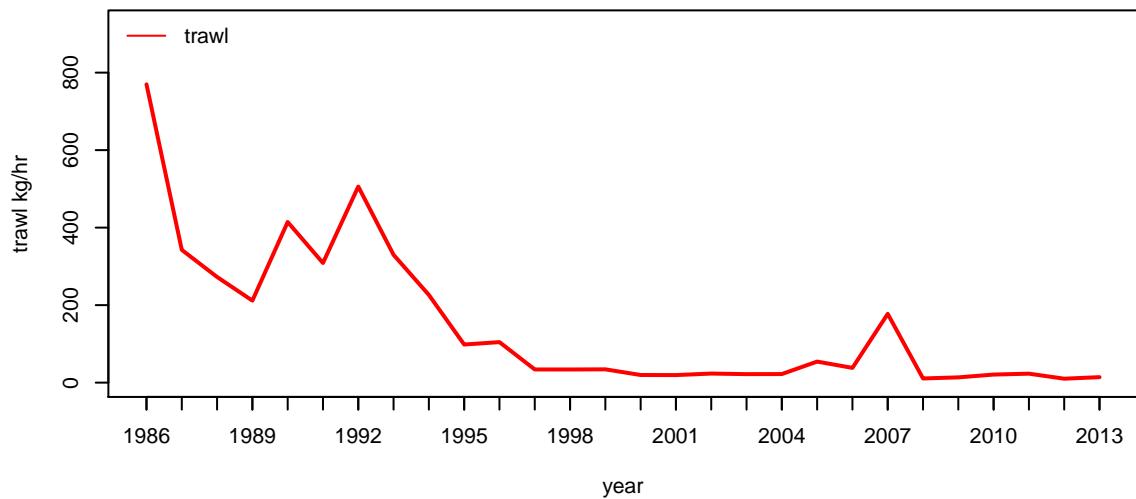
# Orange Roughy West

Sat Jul 19 15:51:57 2014  
region OR30 unit code ORW  
CAAB 37255009  
start month 1

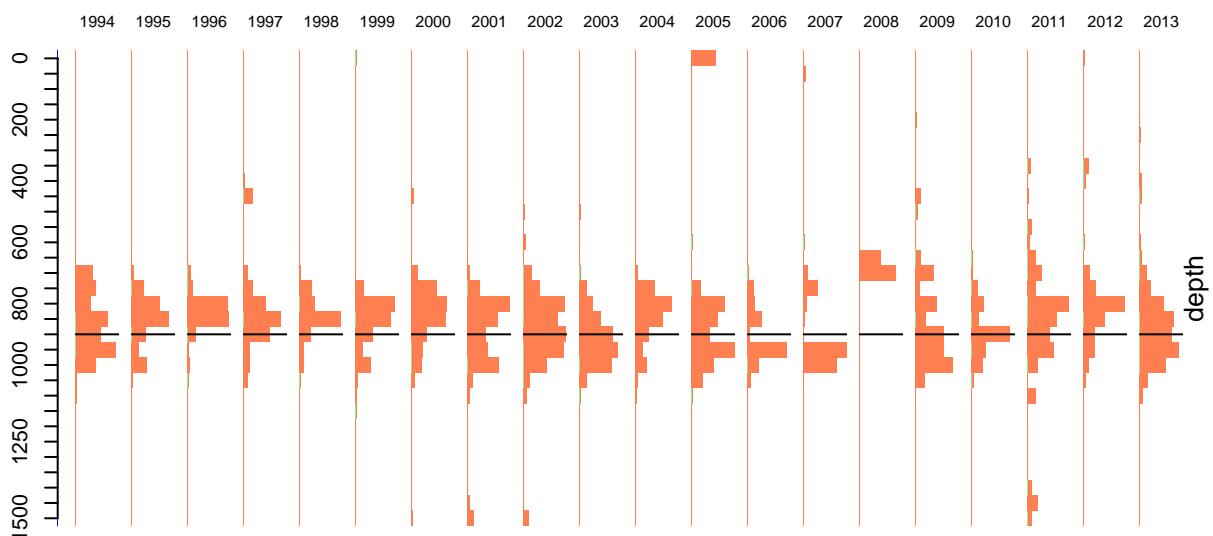
## TAC and landings



## Geometric mean CPUE



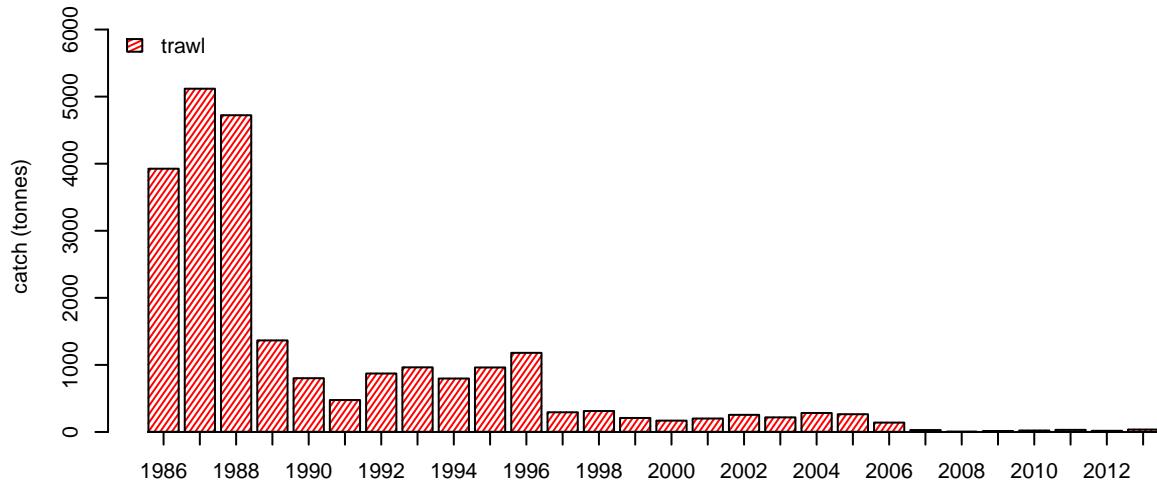
## Catch at depth



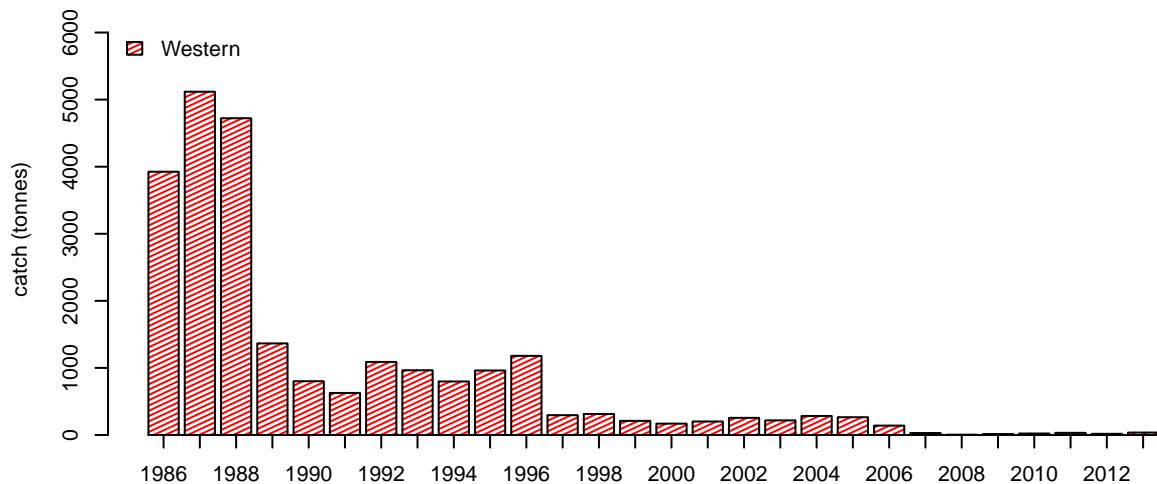
# Orange Roughy West

Sat Jul 19 15:52:00 2014

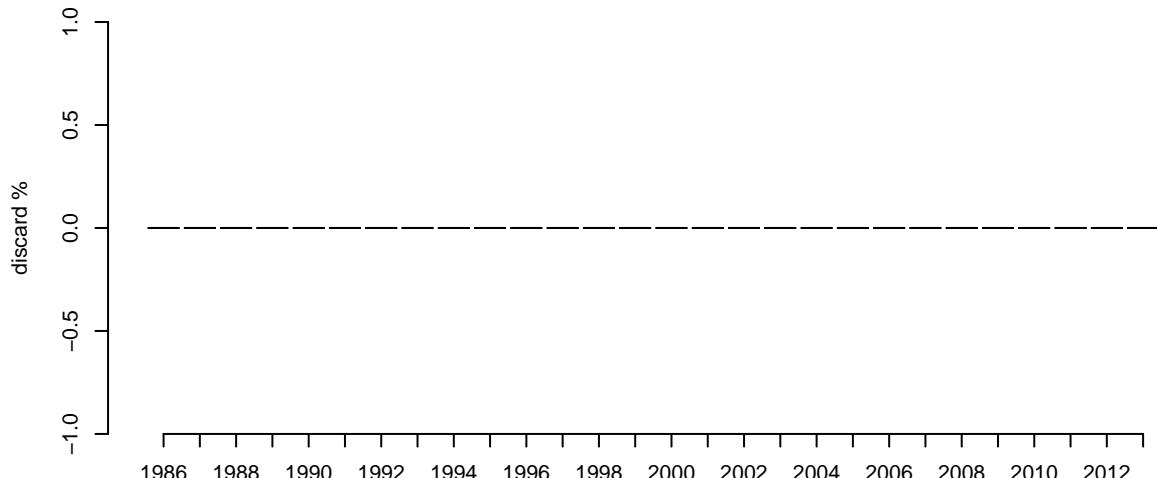
## Catch by gear



## Catch by zone



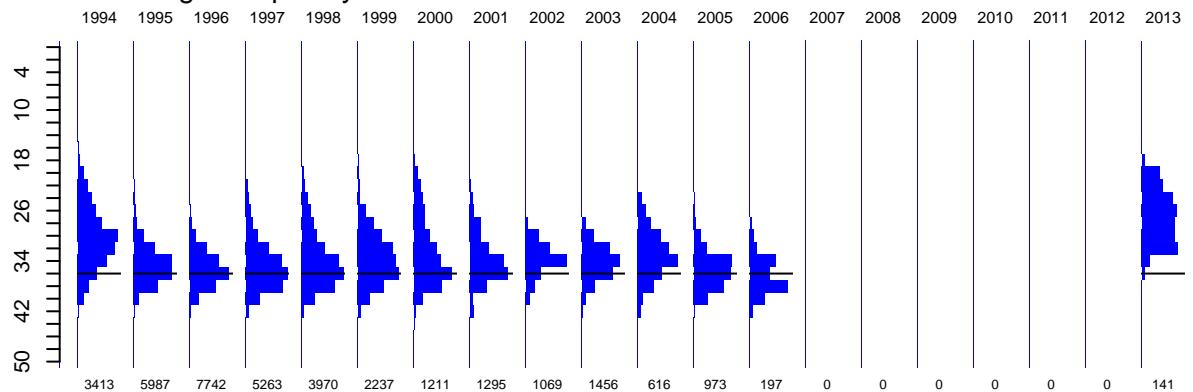
## Discards



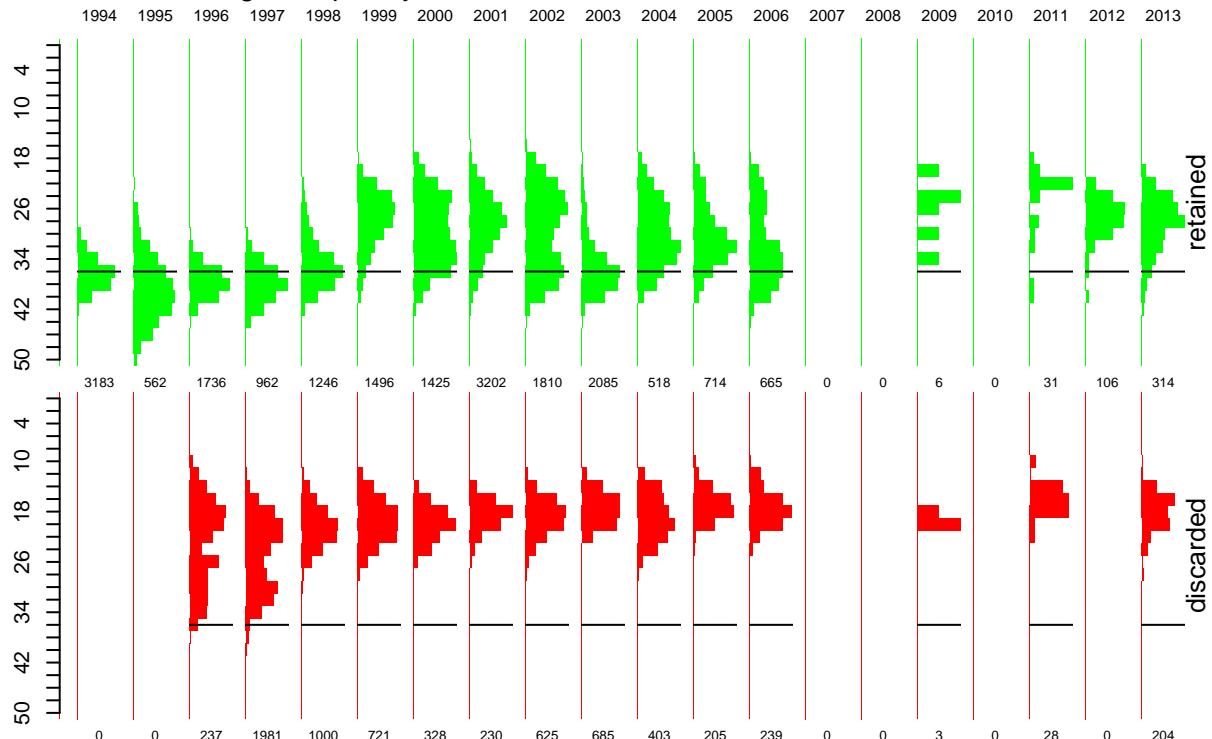
# Orange Roughy West

Sat Jul 19 15:52:03 2014

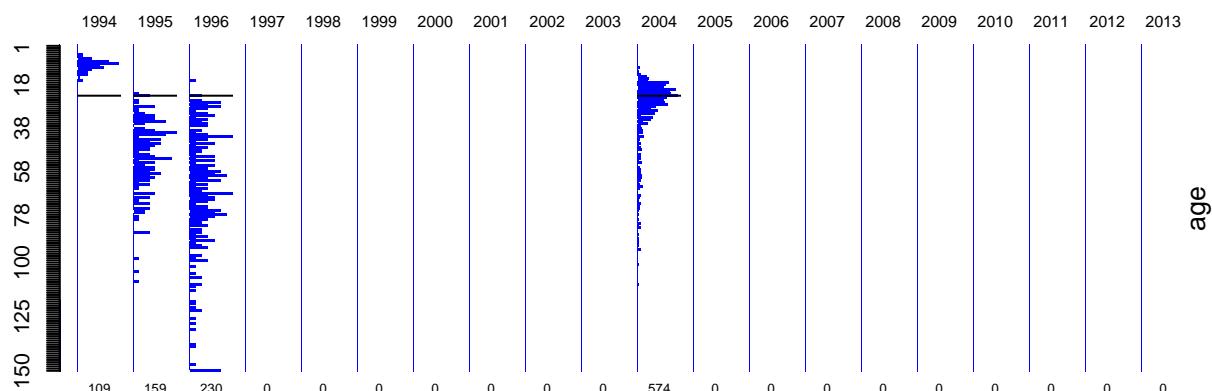
## Port length frequency



## Onboard length frequency



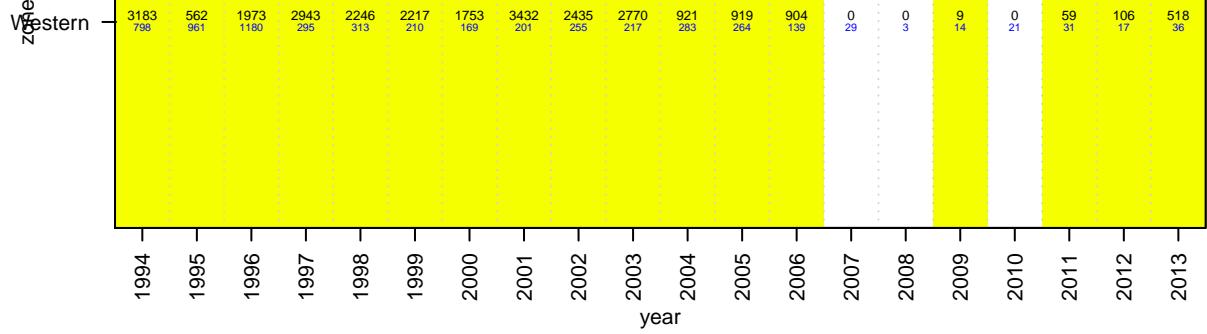
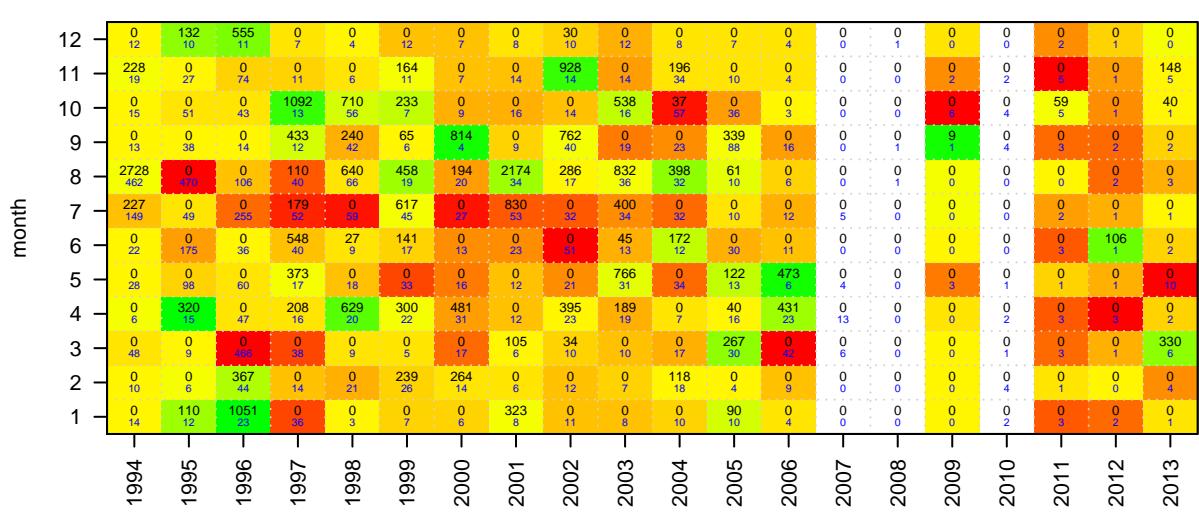
## Age frequency



# Orange Roughy West

Sat Jul 19 15:52:06 2014

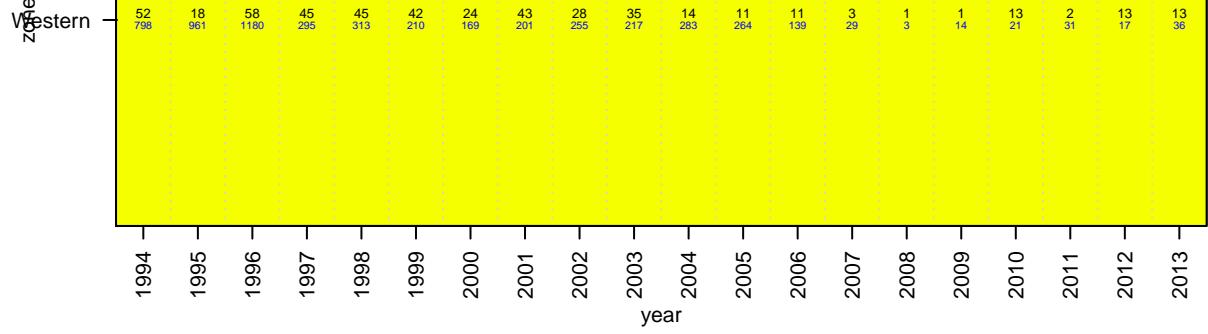
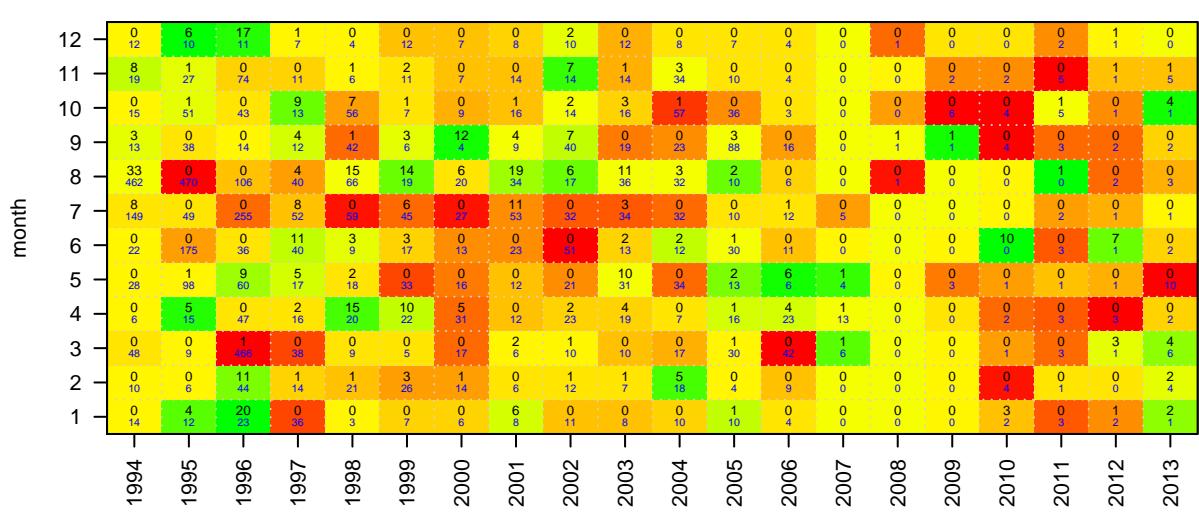
## Onboard length data



# Orange Roughy West

Sat Jul 19 15:52:06 2014

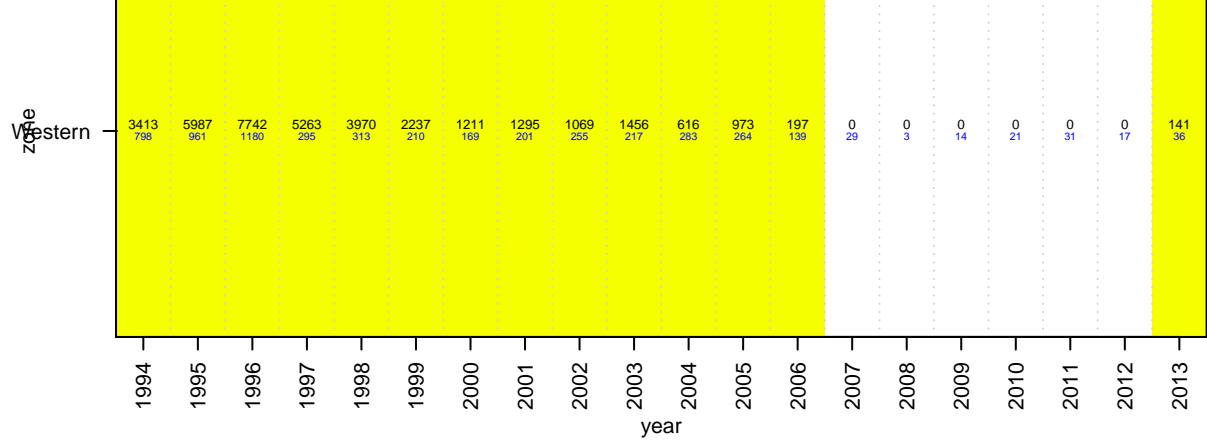
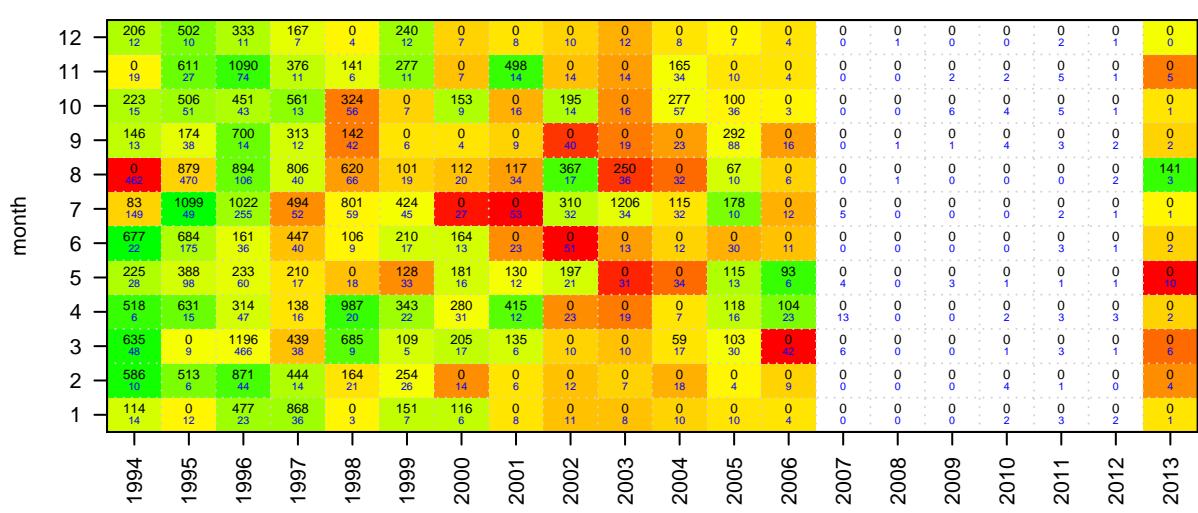
## Onboard discard weight data



# Orange Roughy West

Sat Jul 19 15:52:06 2014

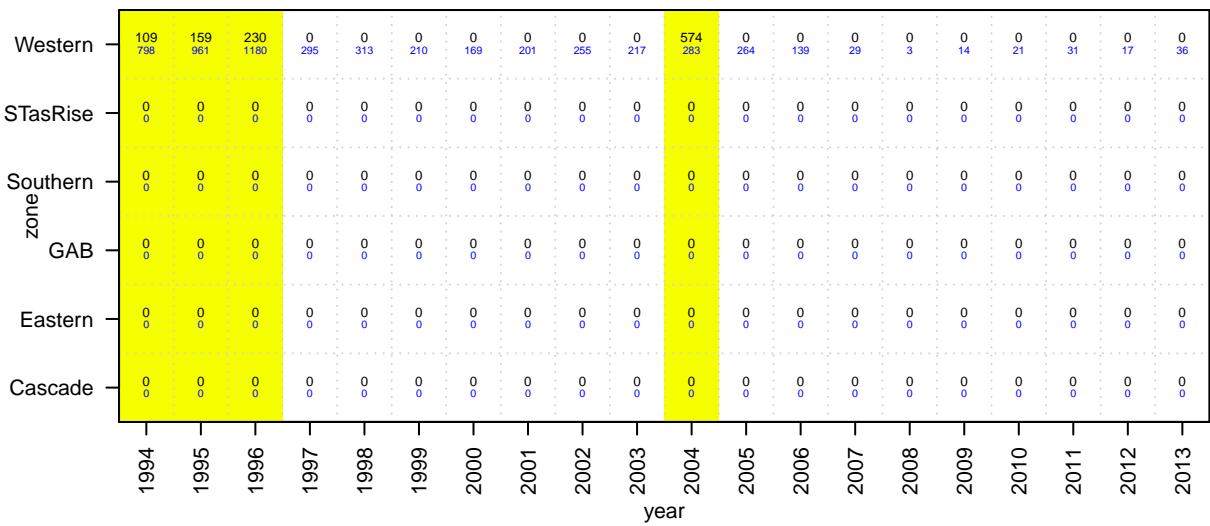
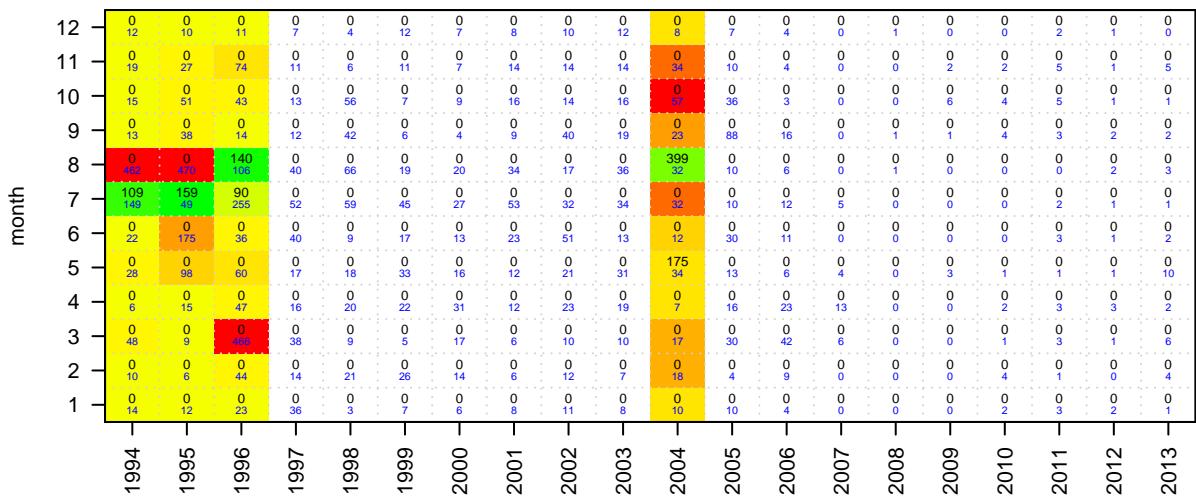
## Port length data



# Orange Roughy West

Sat Jul 19 15:52:06 2014

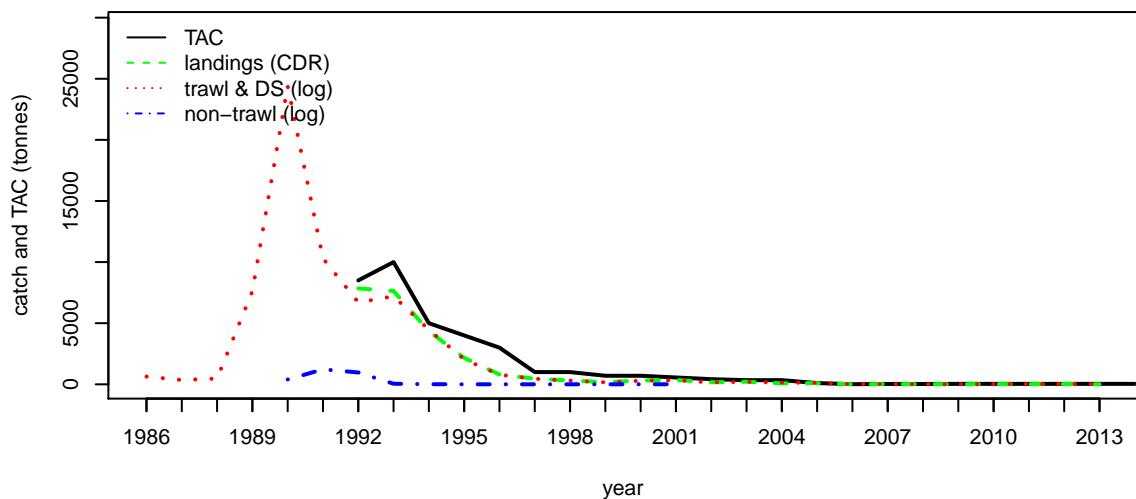
## Age data



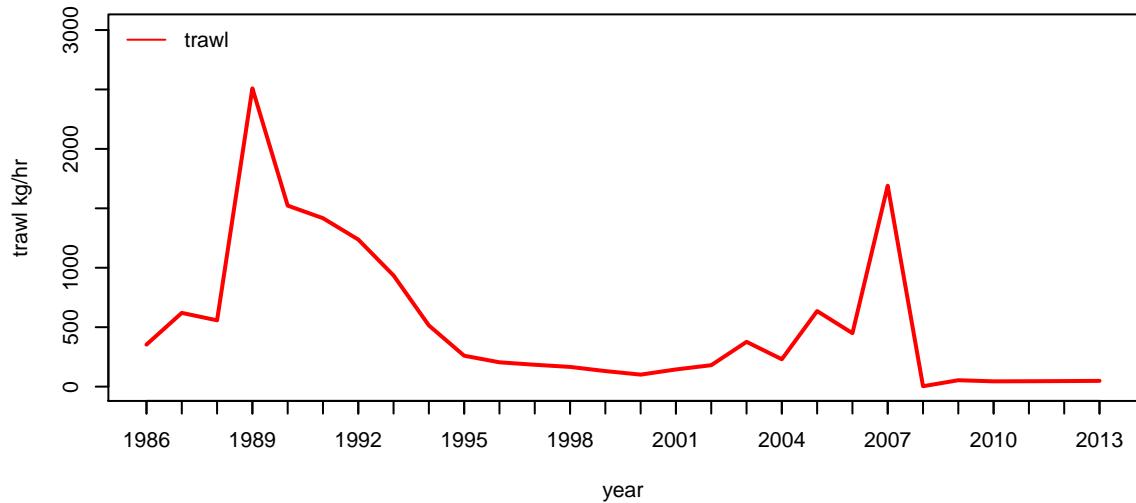
# Orange Roughy South

Sat Jul 19 15:53:38 2014  
region OR20 unit code ORS  
CAAB 37255009  
start month 1

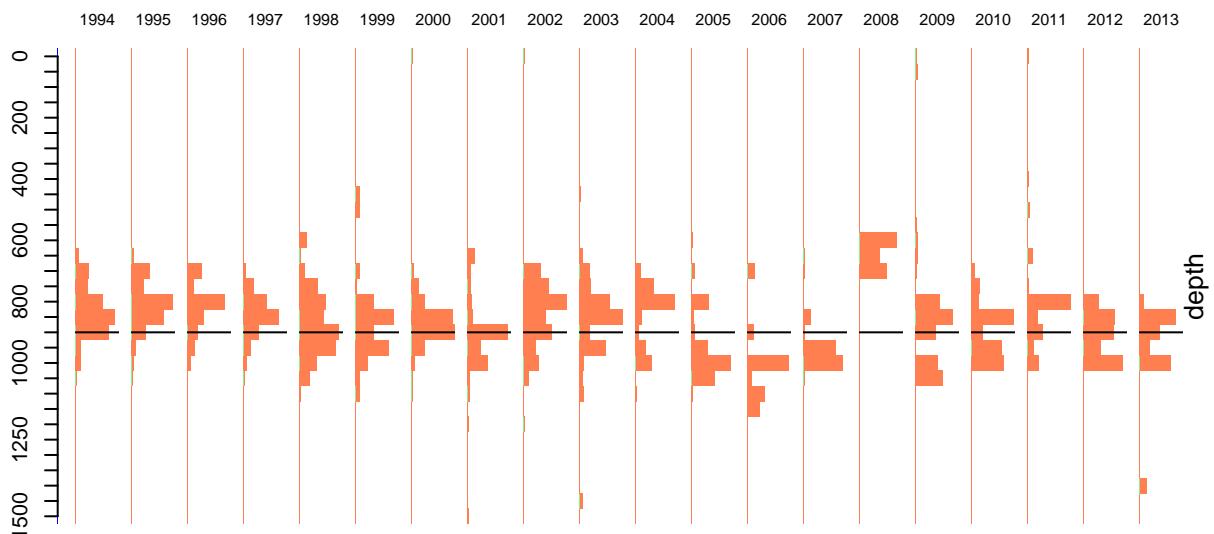
## TAC and landings



## Geometric mean CPUE



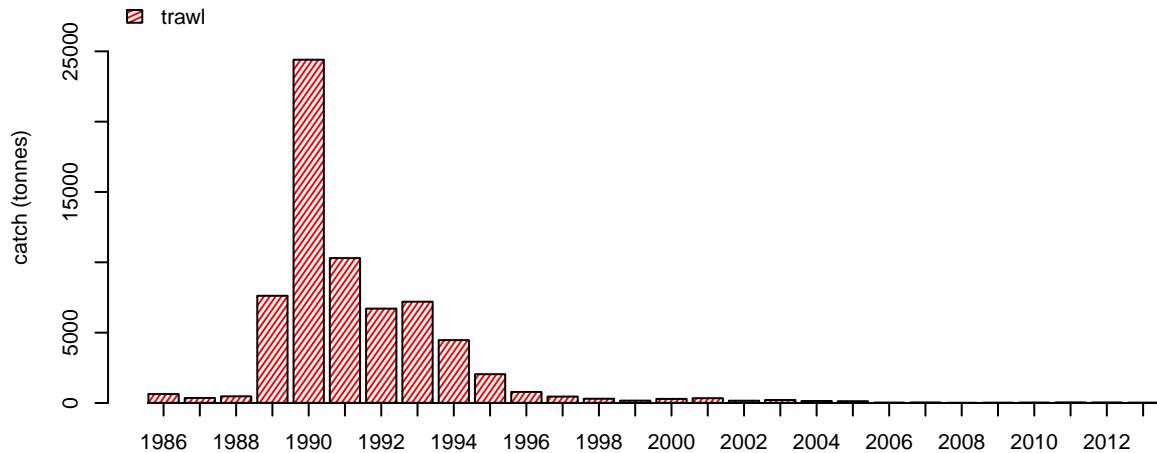
## Catch at depth



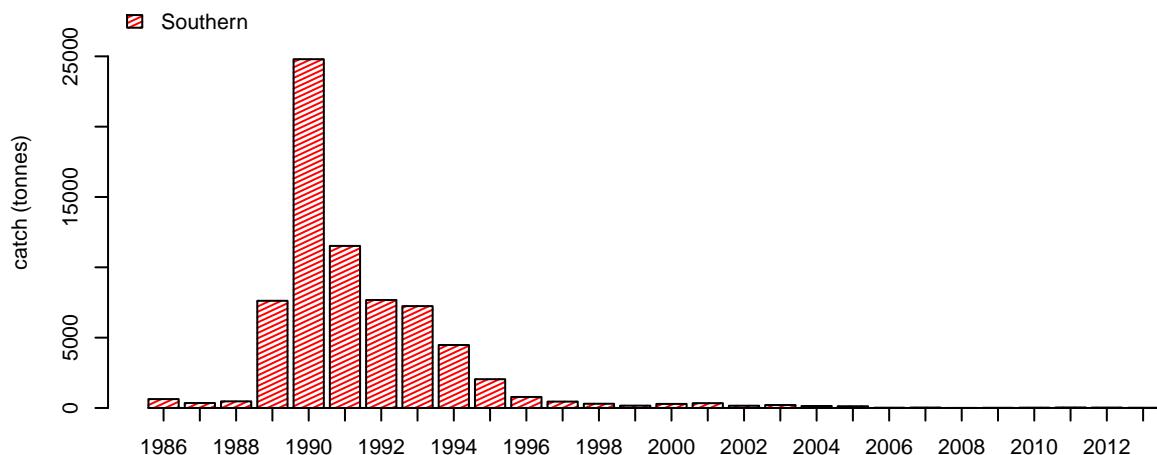
# Orange Roughy South

Sat Jul 19 15:53:41 2014

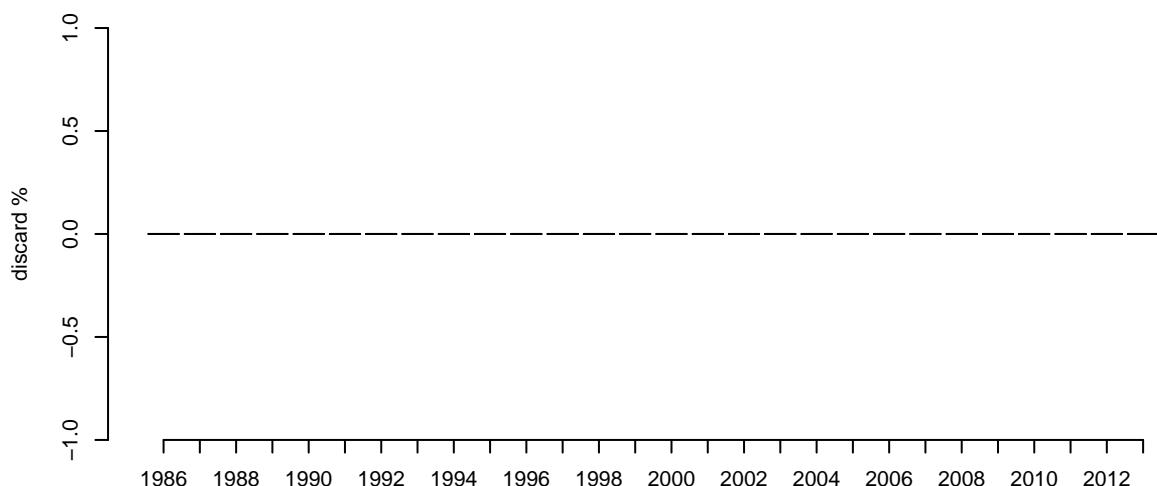
## Catch by gear



## Catch by zone



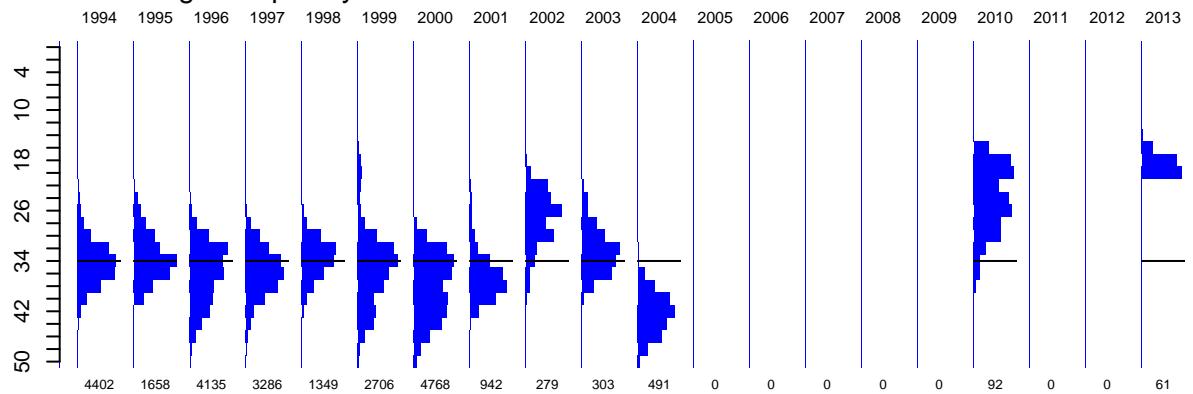
## Discards



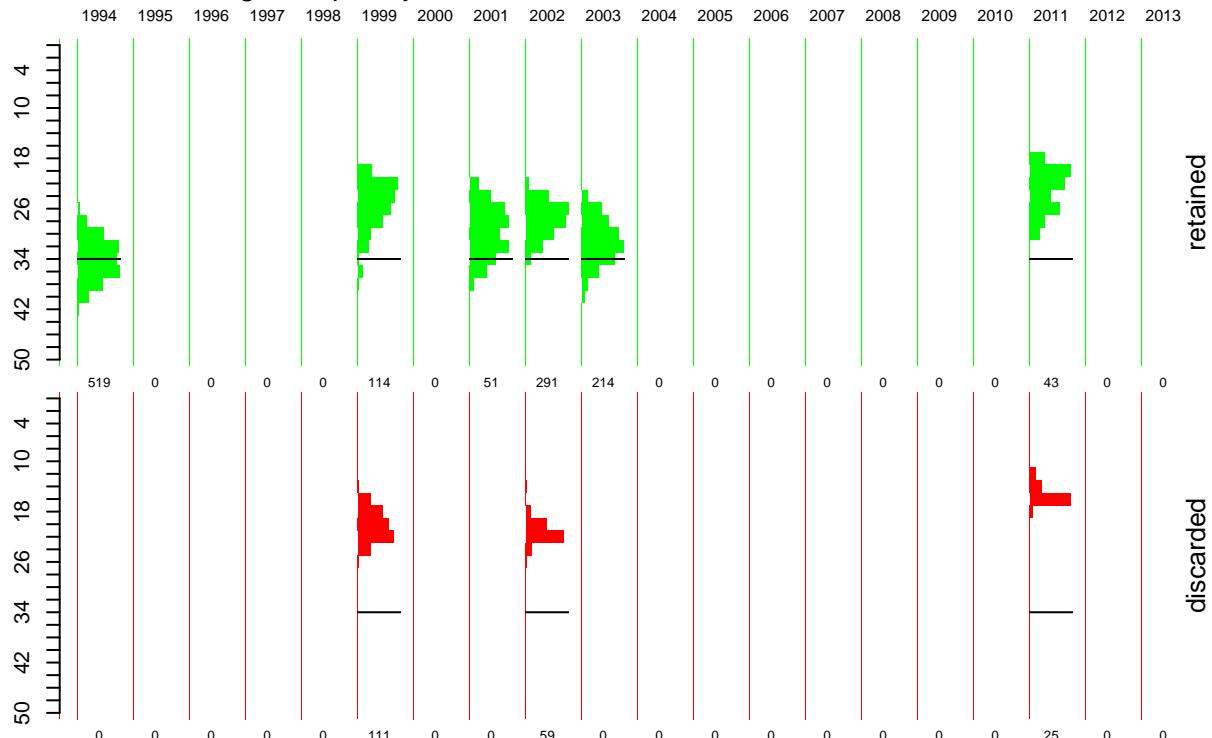
# Orange Roughy South

Sat Jul 19 15:53:43 2014

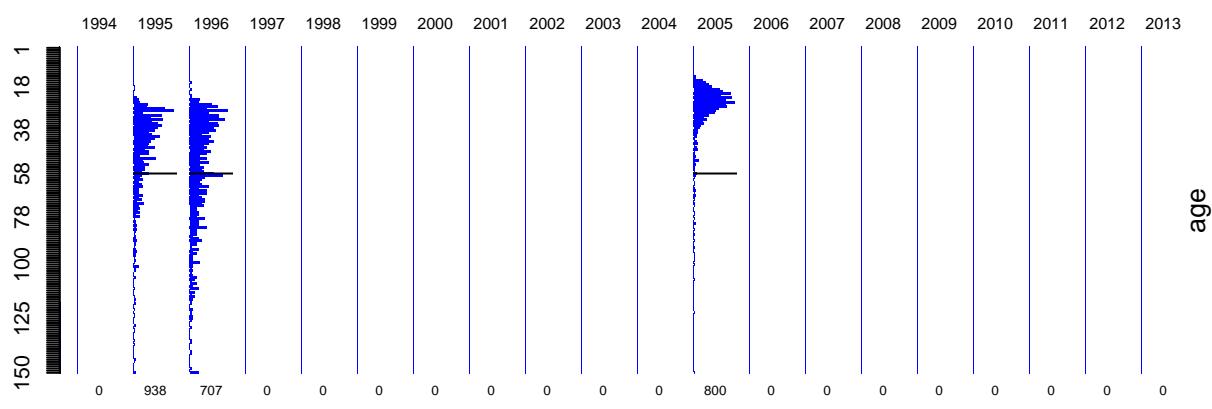
## Port length frequency



## Onboard length frequency



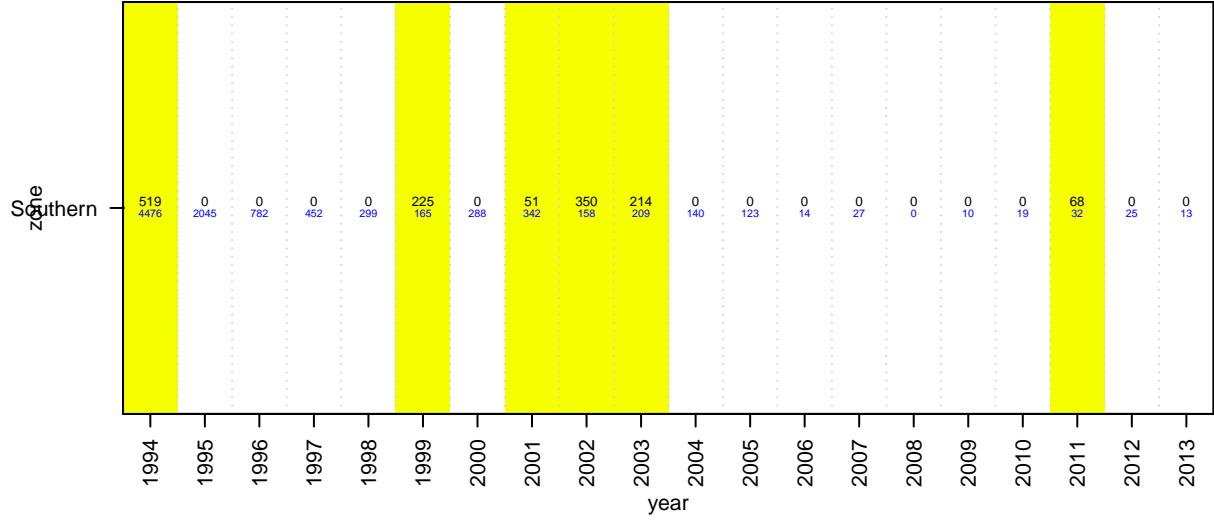
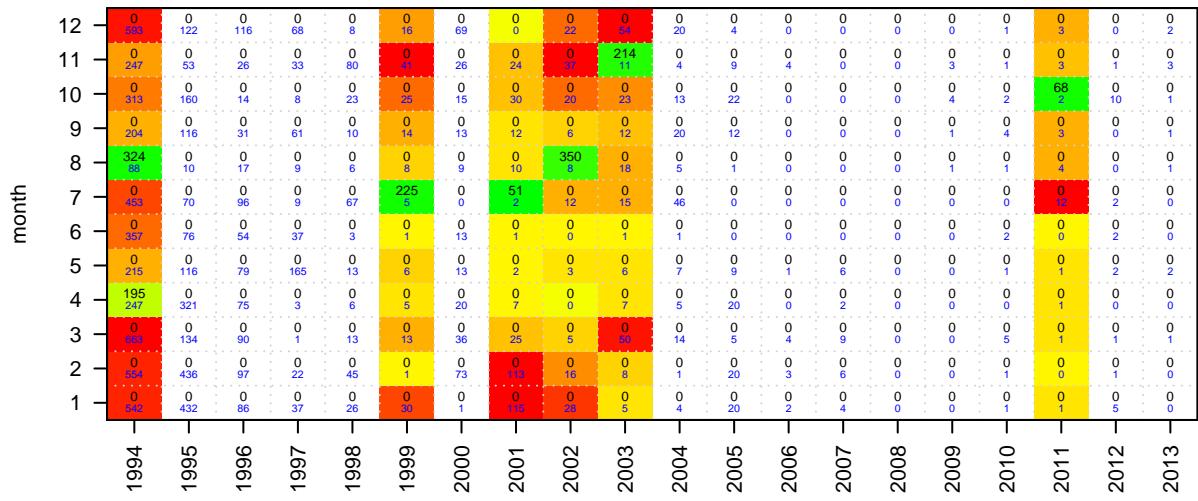
## Age frequency



# Orange Roughy South

Sat Jul 19 15:53:45 2014

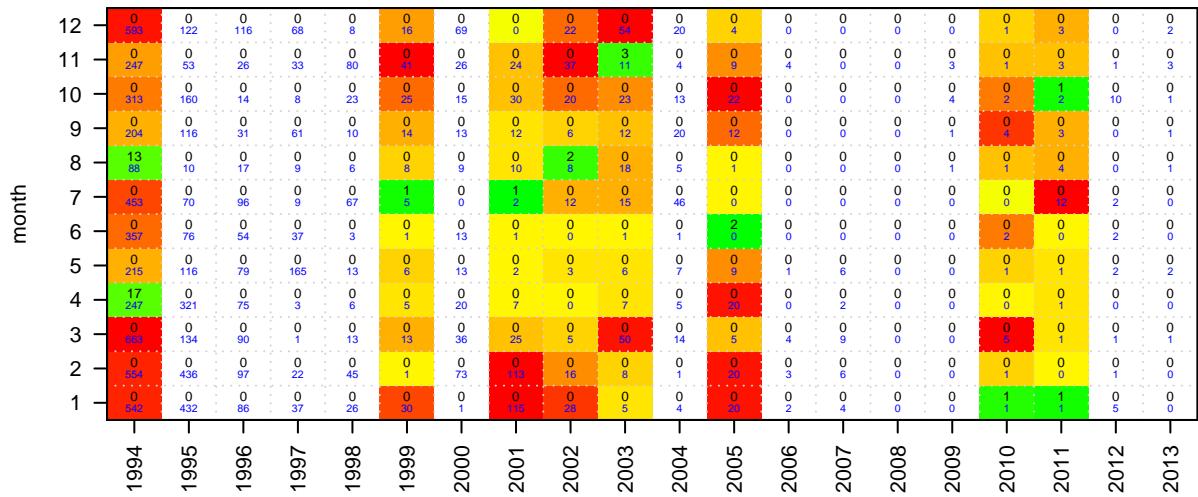
## Onboard length data



# Orange Roughy South

Sat Jul 19 15:53:45 2014

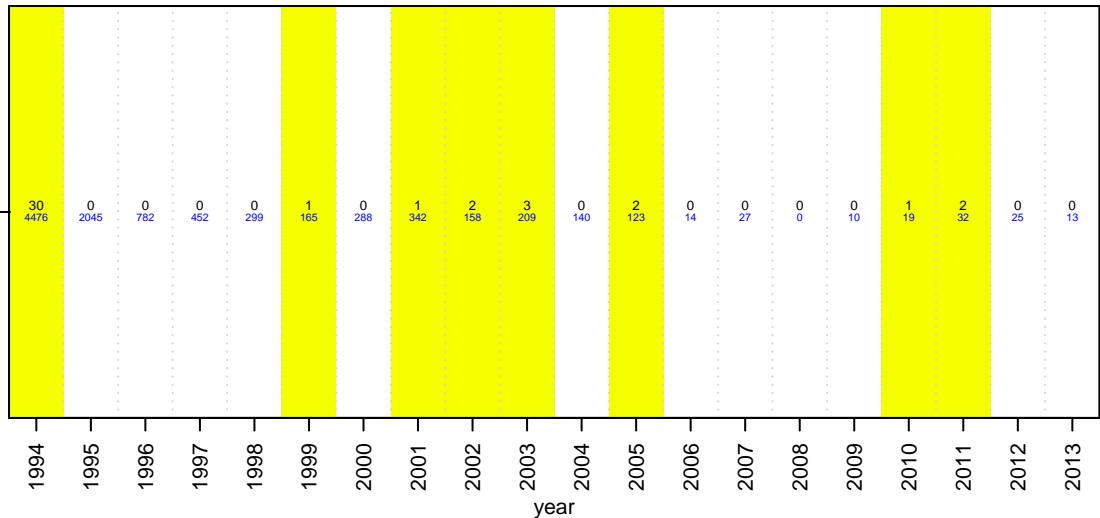
## Onboard discard weight data



month

1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013

Southern

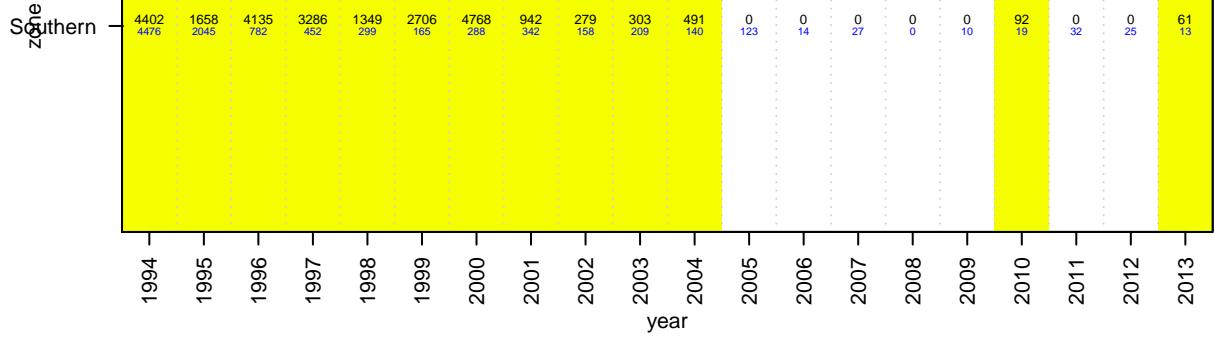
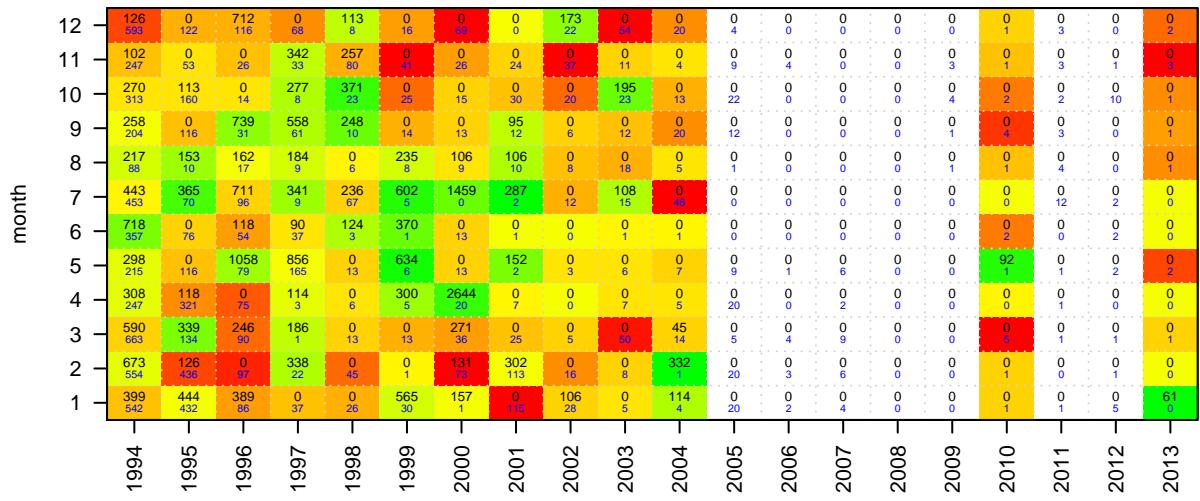


year

# Orange Roughy South

Sat Jul 19 15:53:45 2014

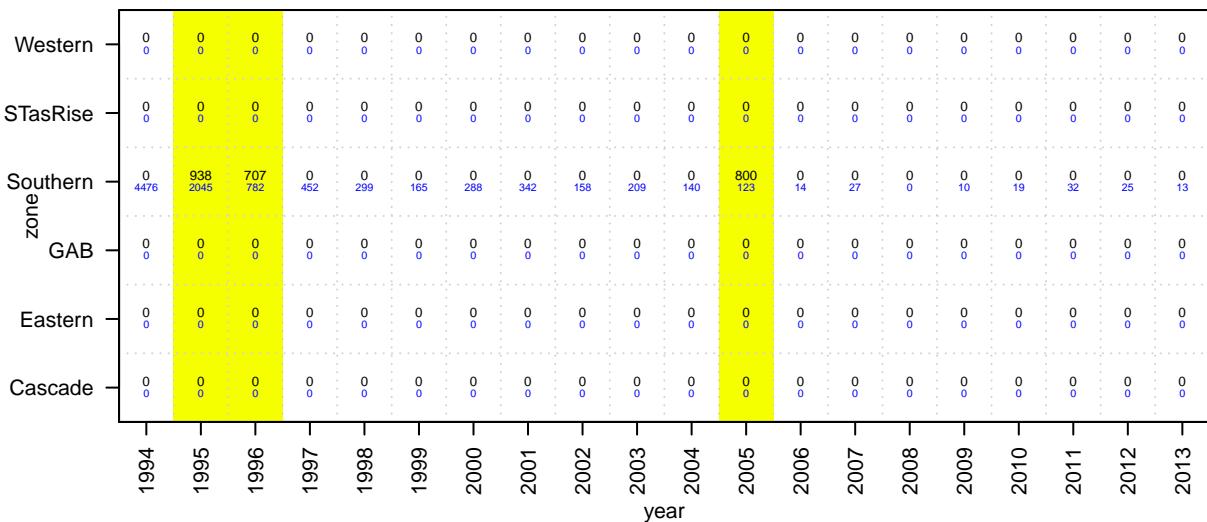
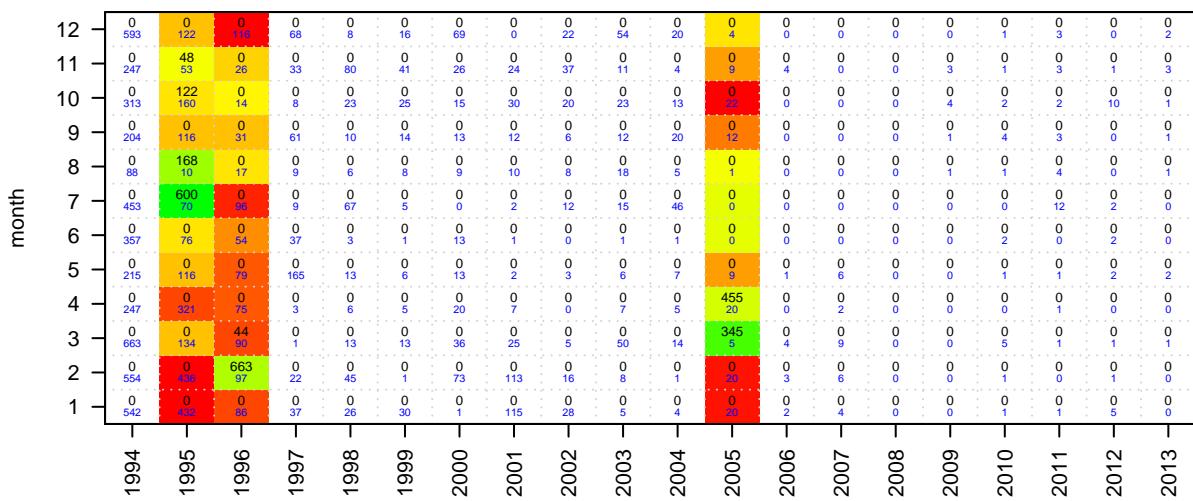
## Port length data



# Orange Roughy South

Sat Jul 19 15:53:45 2014

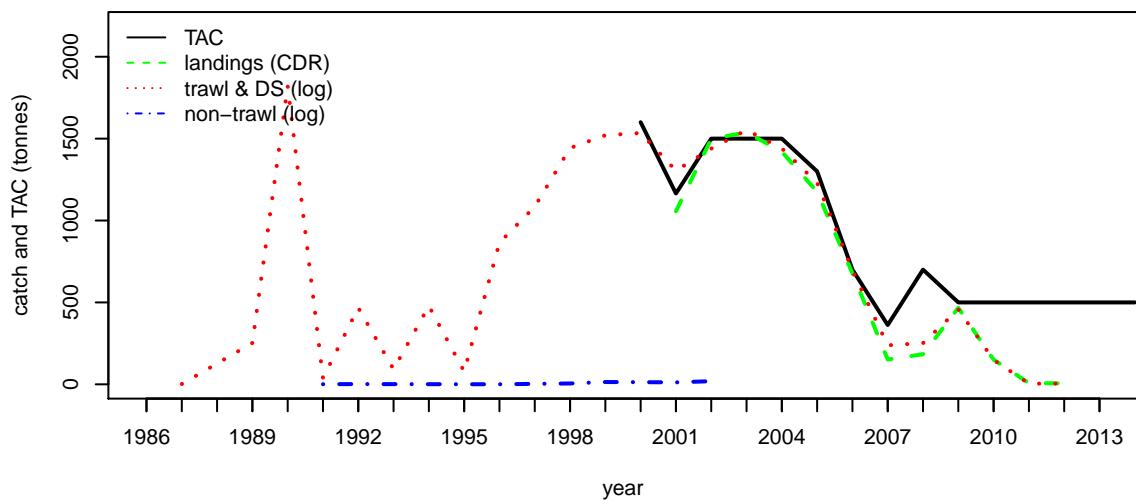
## Age data



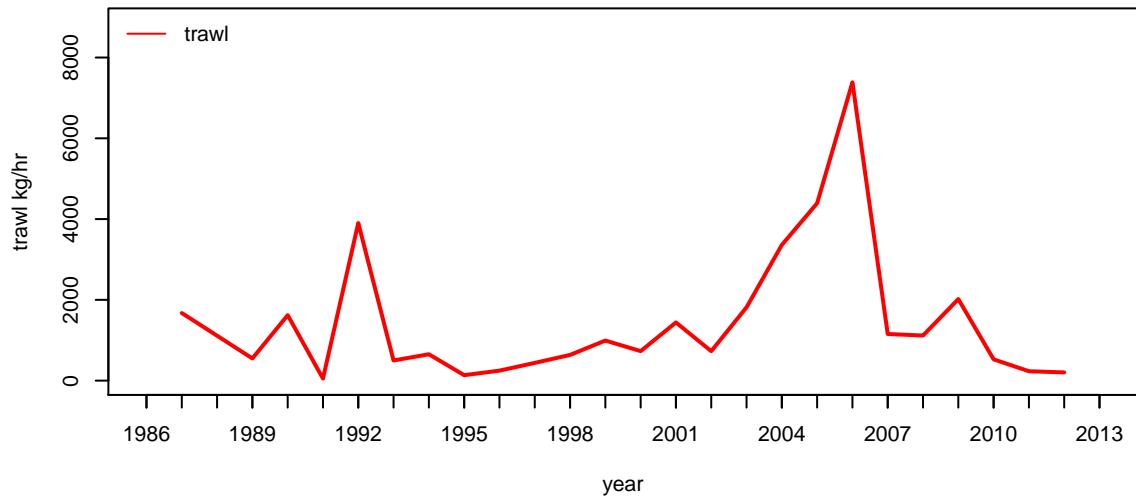
# Orange Roughy Cascade

Sat Jul 19 15:55:14 2014  
region OR40 unit code ORC  
CAAB 37255009  
start month 1

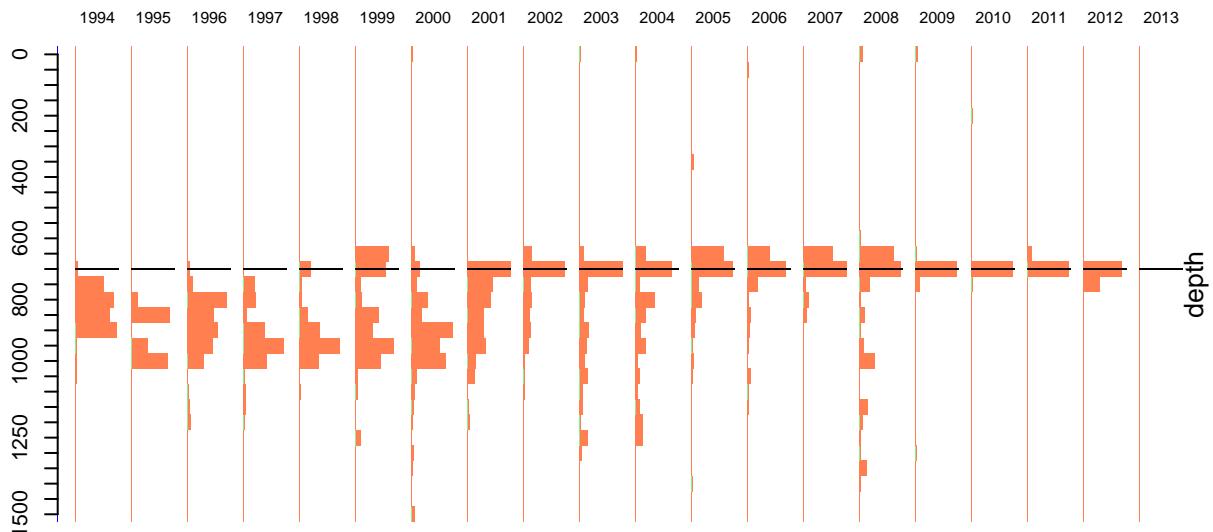
## TAC and landings



## Geometric mean CPUE



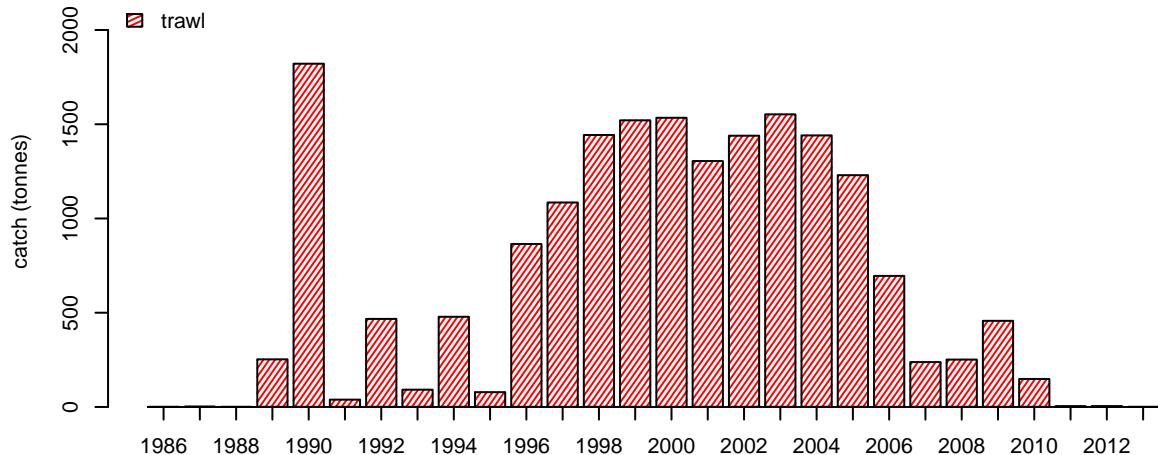
## Catch at depth



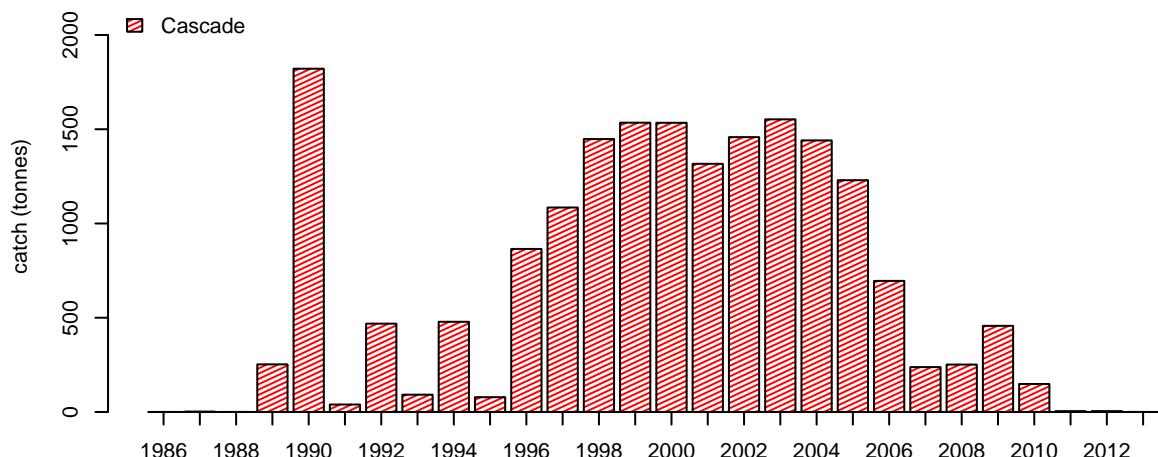
# Orange Roughy Cascade

Sat Jul 19 15:55:16 2014

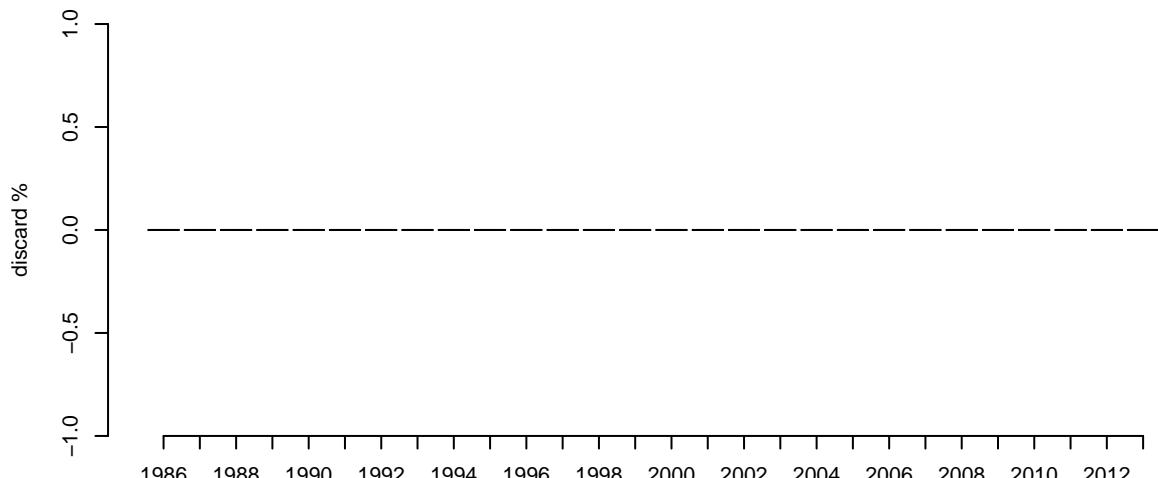
## Catch by gear



## Catch by zone



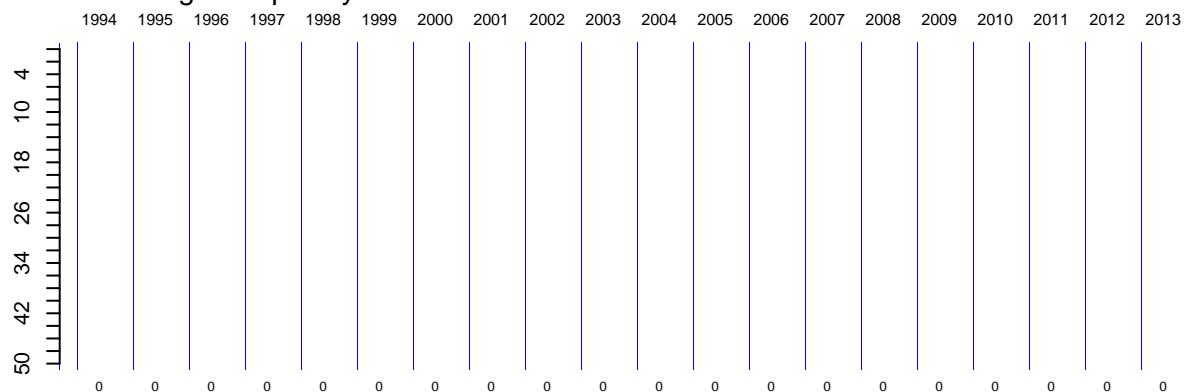
## Discards



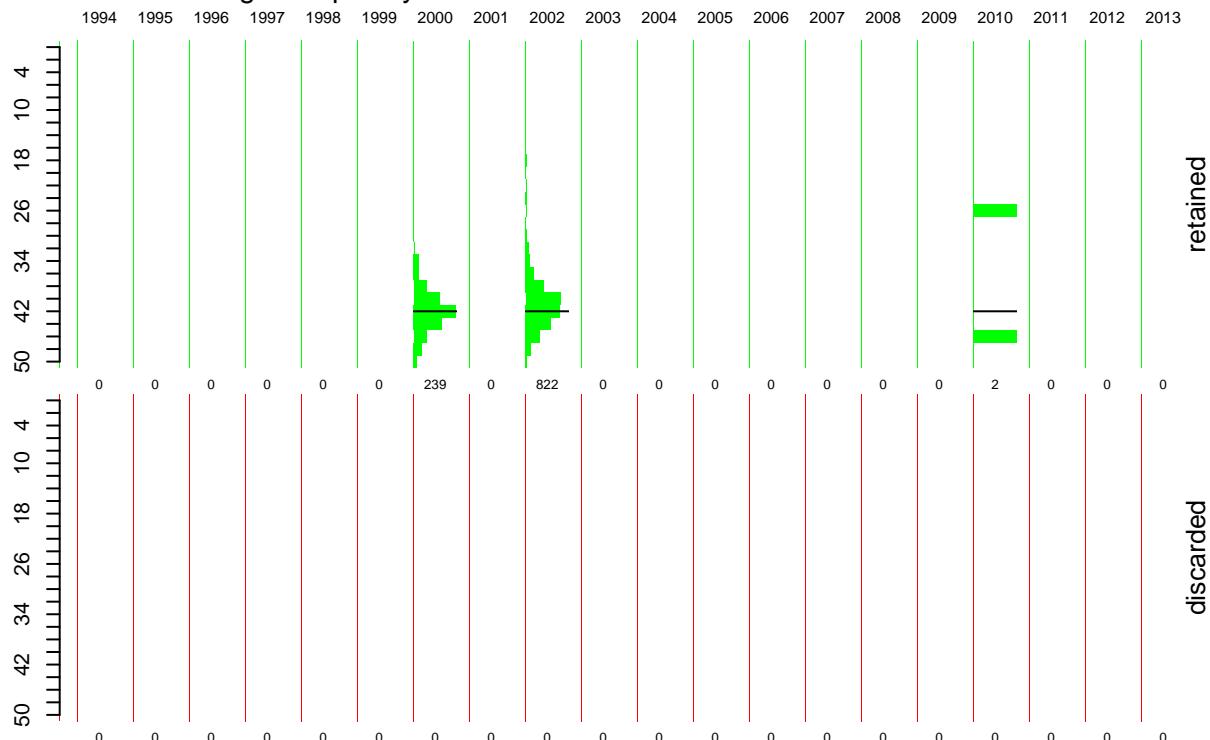
# Orange Roughy Cascade

Sat Jul 19 15:55:16 2014

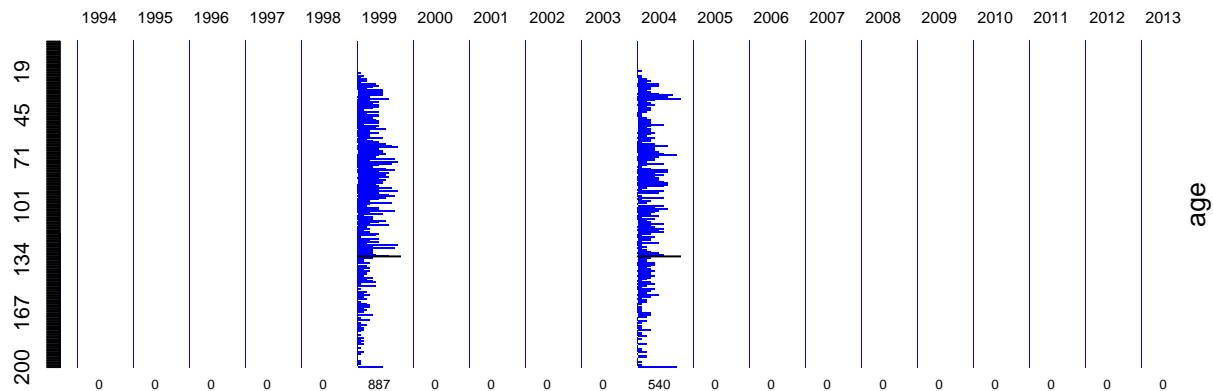
## Port length frequency



## Onboard length frequency



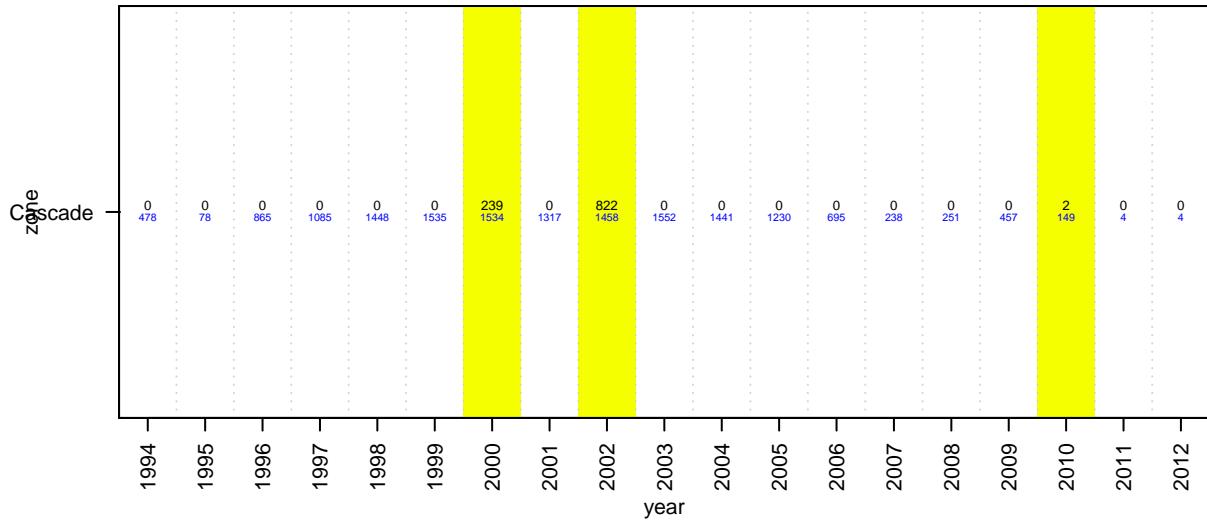
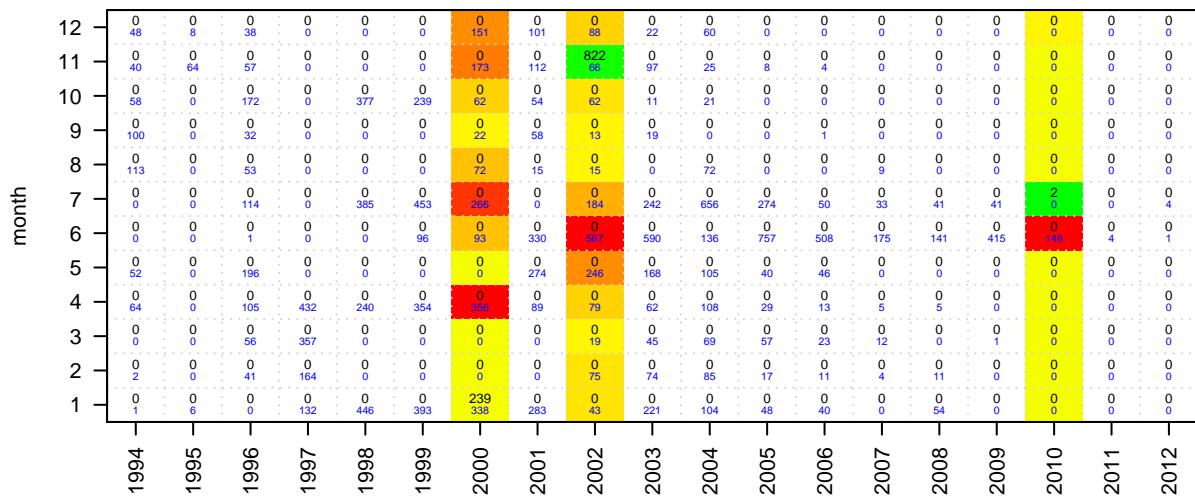
## Age frequency



# Orange Roughy Cascade

Sat Jul 19 15:55:17 2014

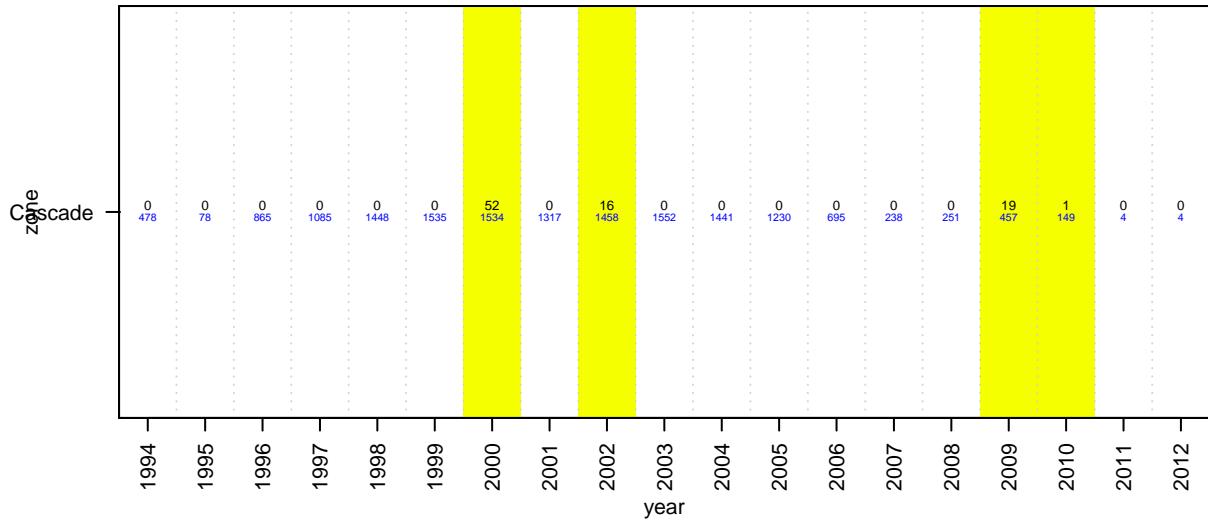
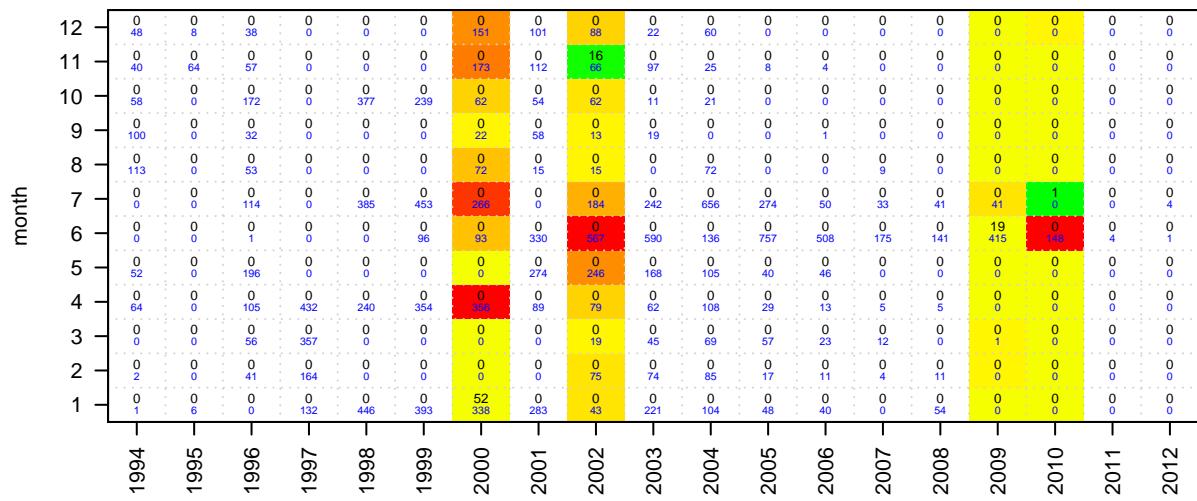
## Onboard length data



# Orange Roughy Cascade

Sat Jul 19 15:55:17 2014

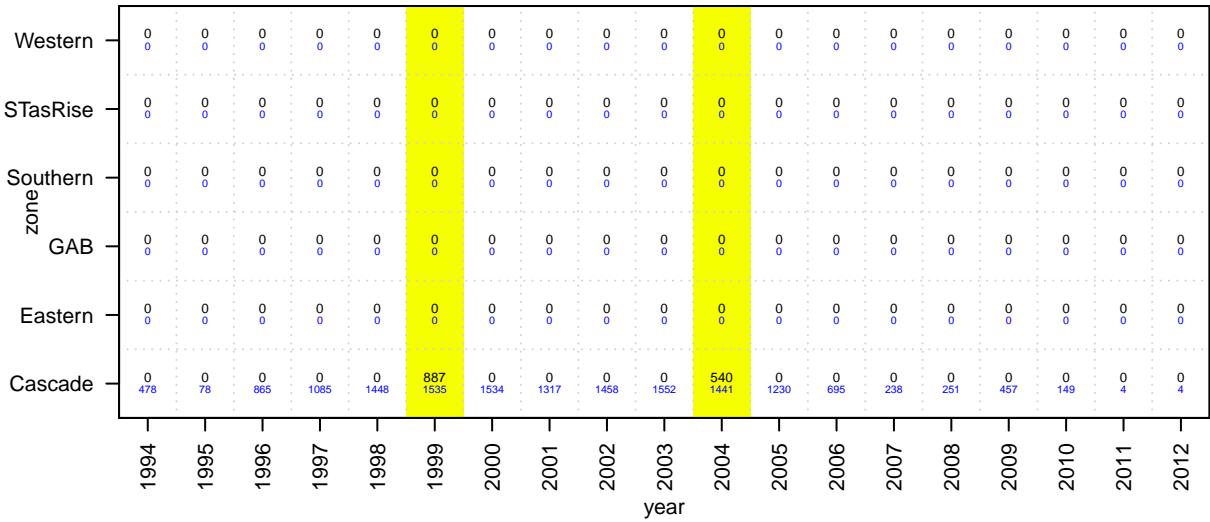
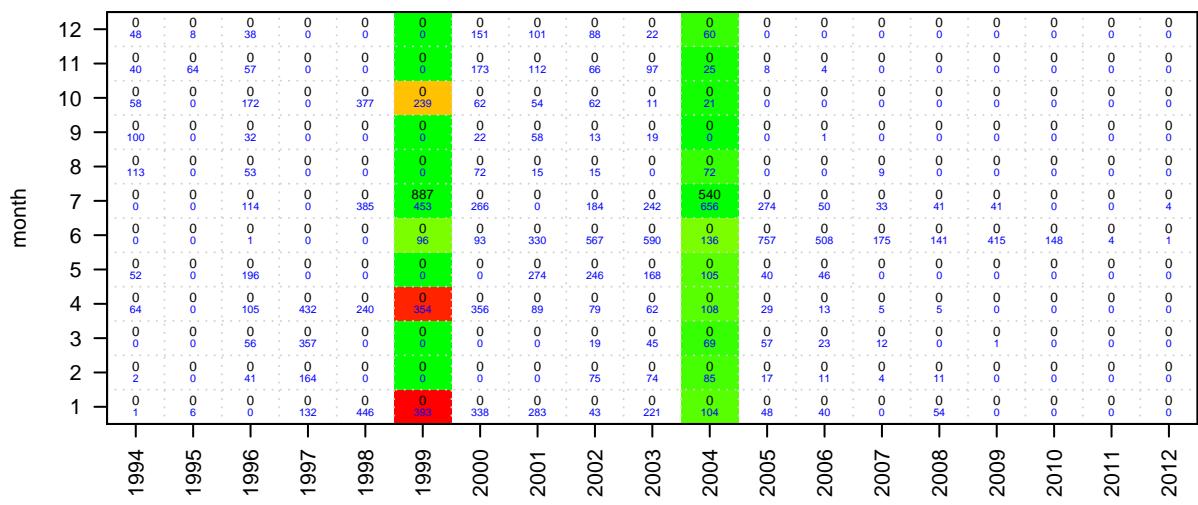
## Onboard discard weight data



# Orange Roughy Cascade

Sat Jul 19 15:55:17 2014

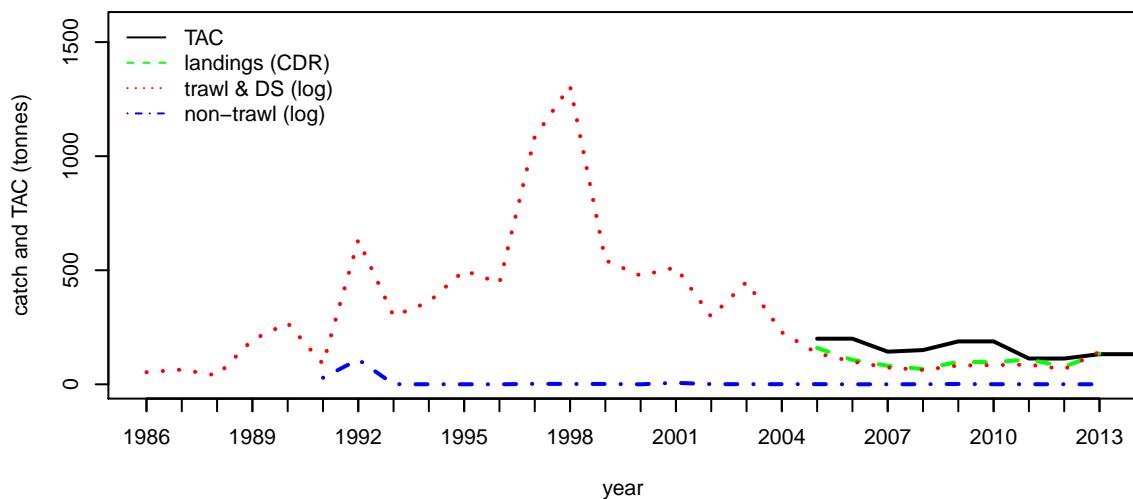
## Age data



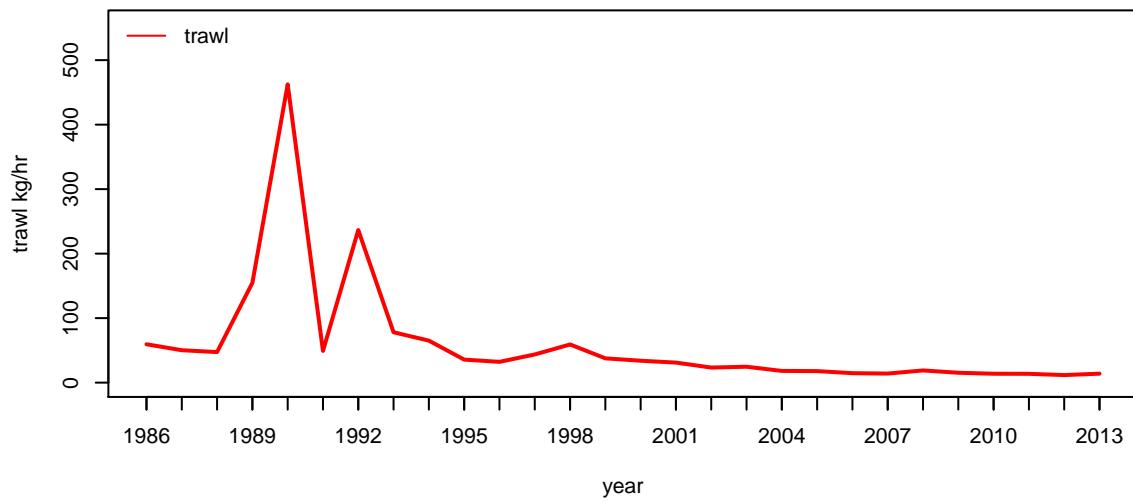
# Oreos

Sat Jul 19 15:56:36 2014  
region OROR unit code OREO  
CAAB 37266005 37266004 37266001 37266902  
start month 1

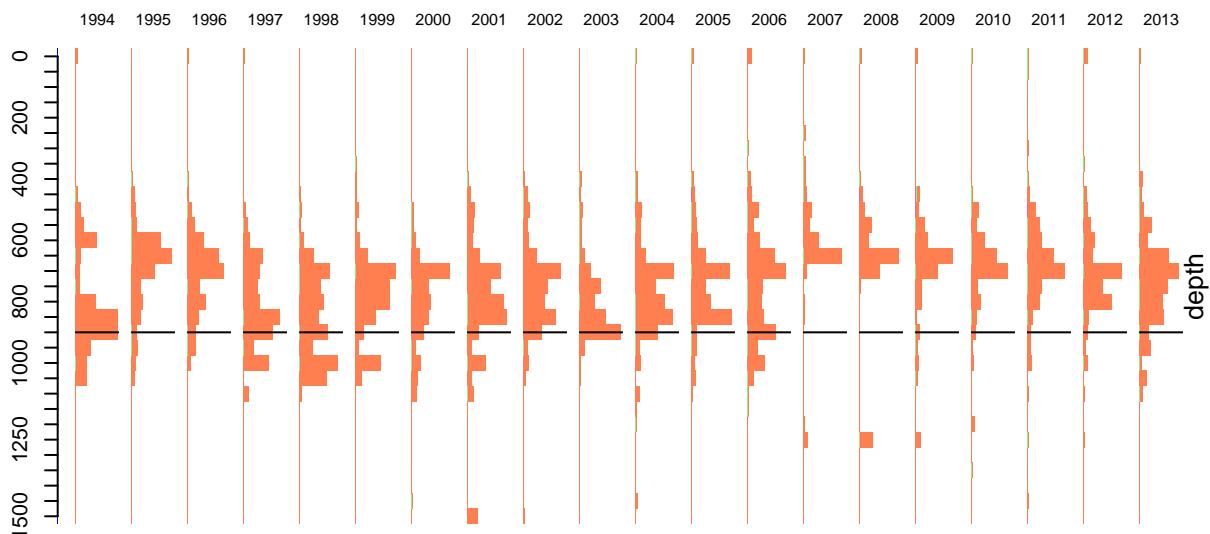
## TAC and landings



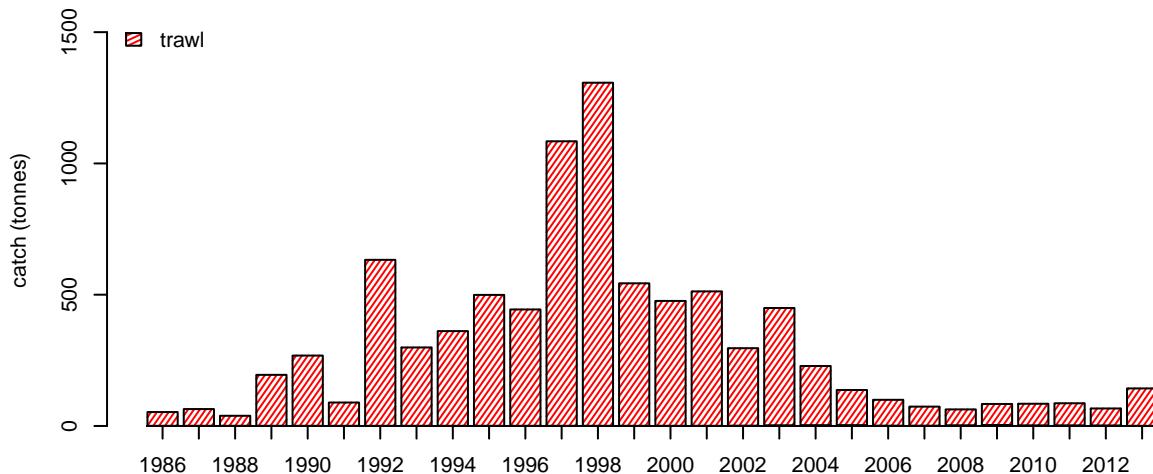
## Geometric mean CPUE



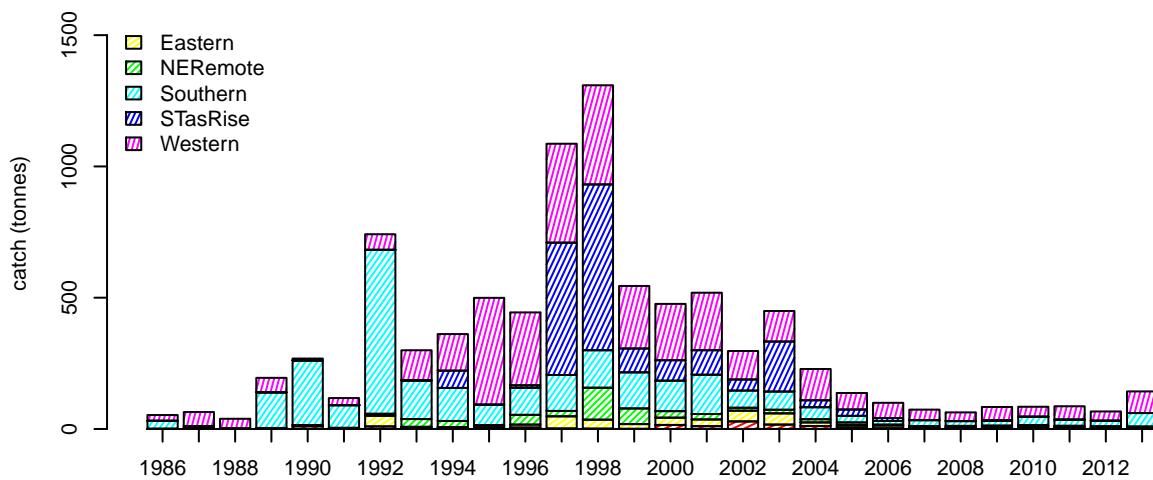
## Catch at depth



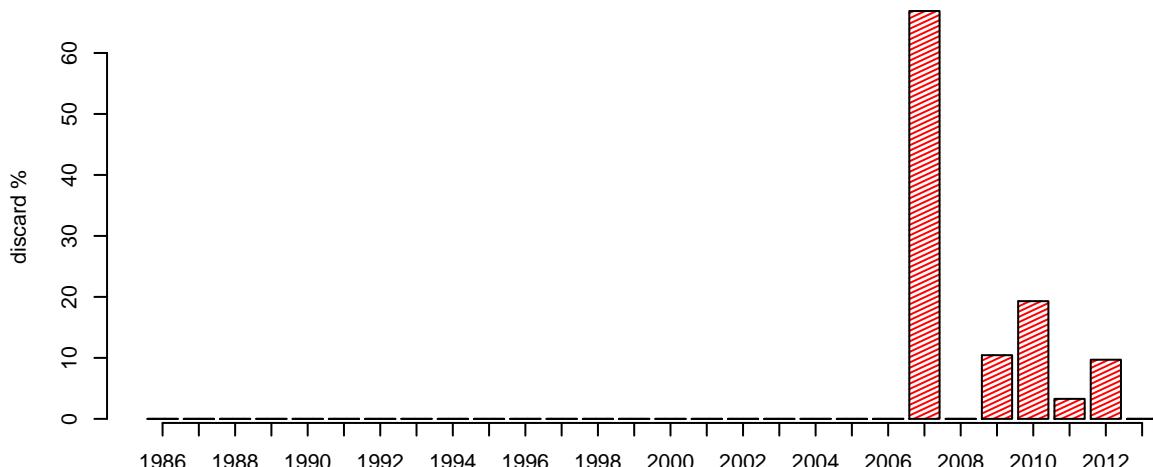
## Catch by gear



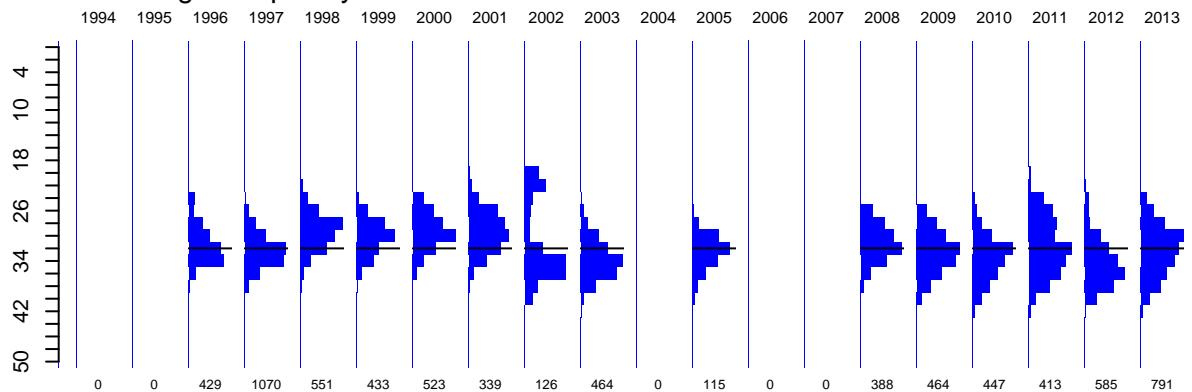
## Catch by zone



## Discards



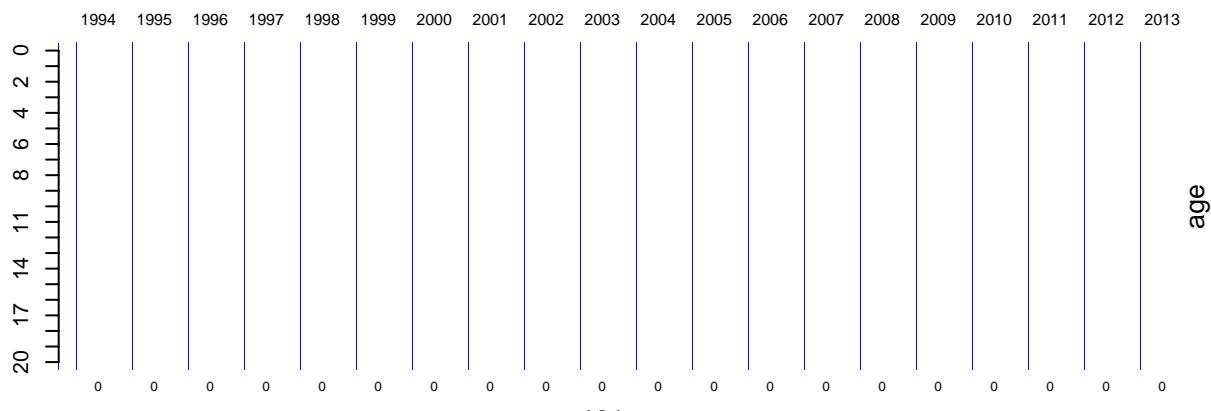
## Port length frequency



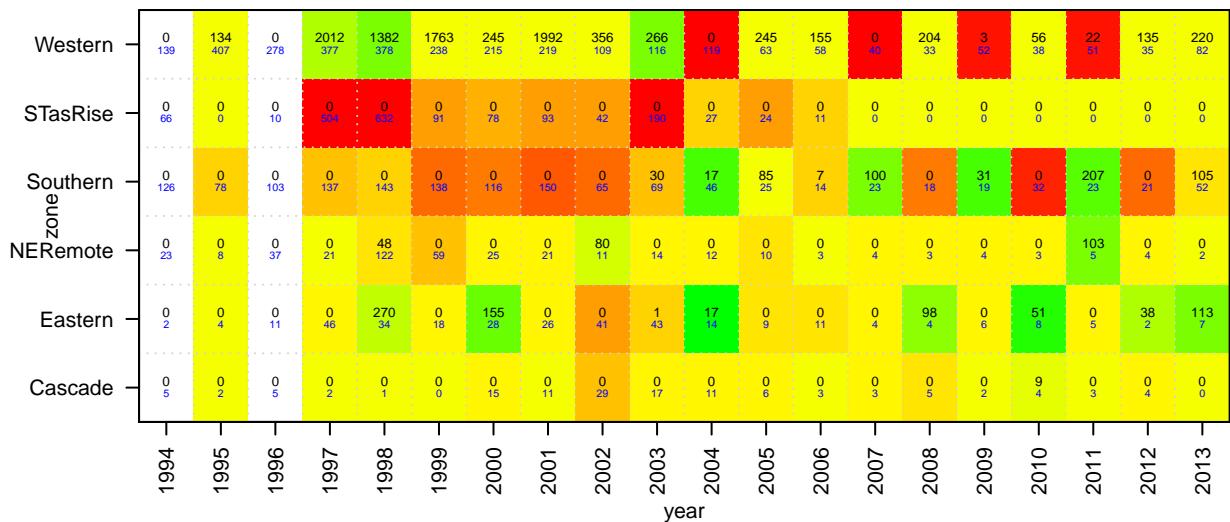
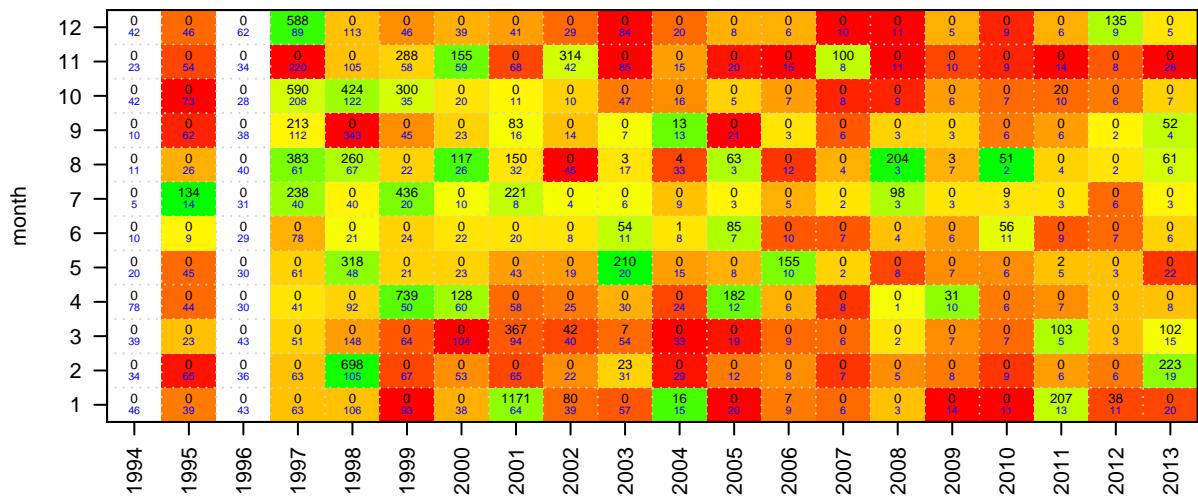
## Onboard length frequency



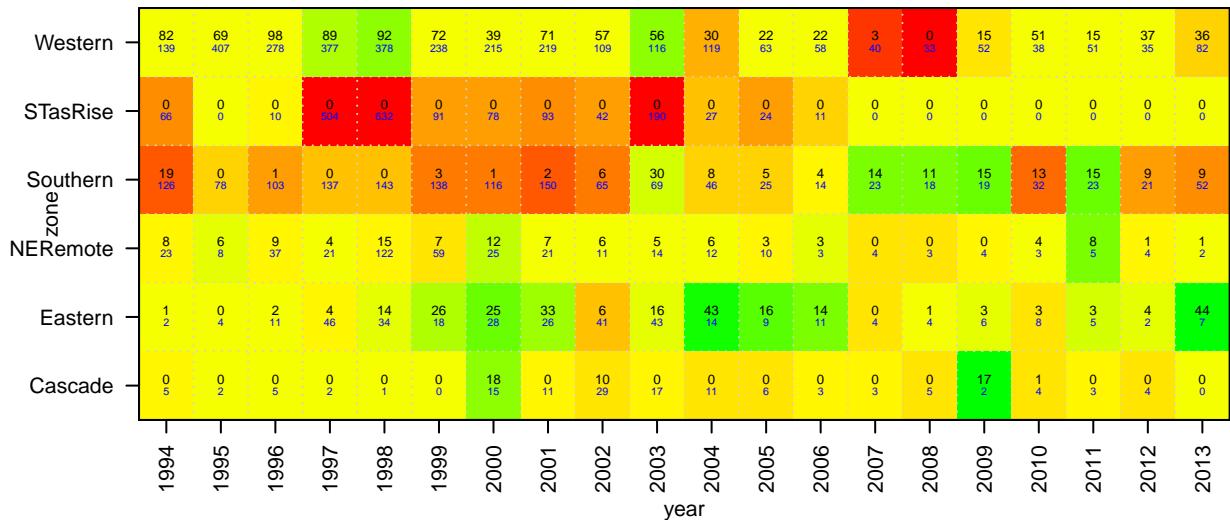
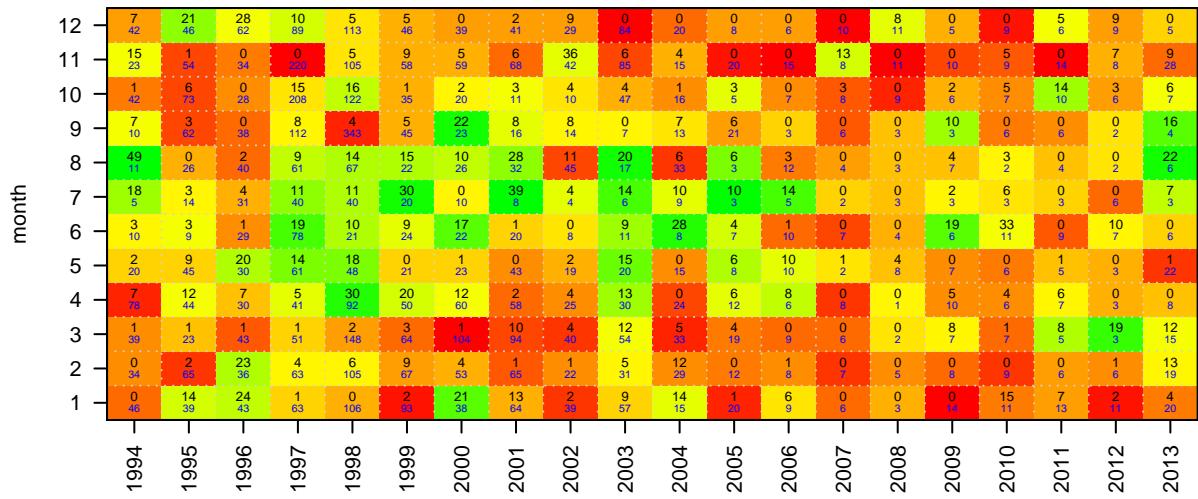
## Age frequency



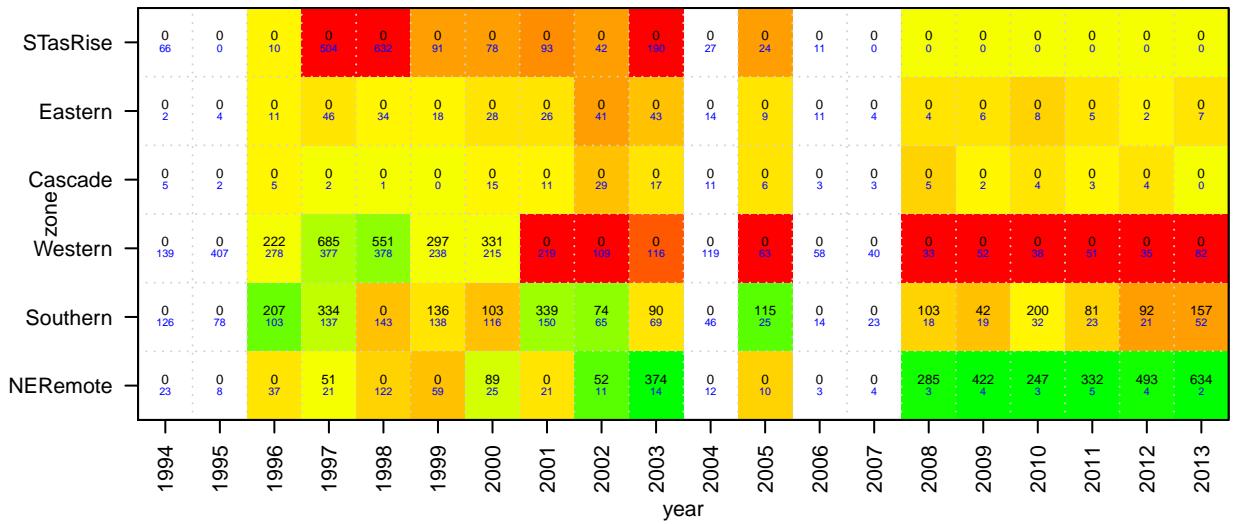
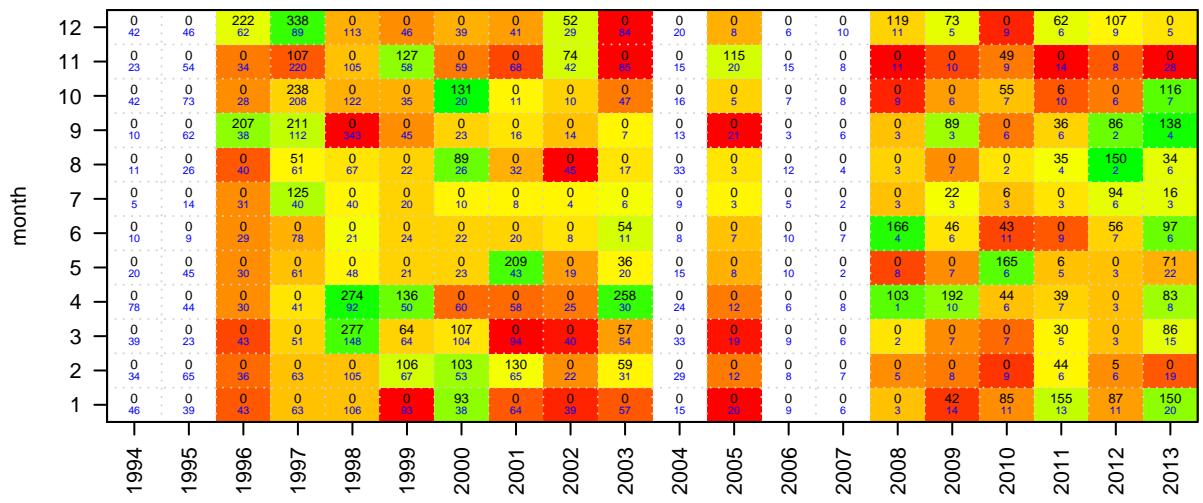
## Onboard length data



## Onboard discard weight data



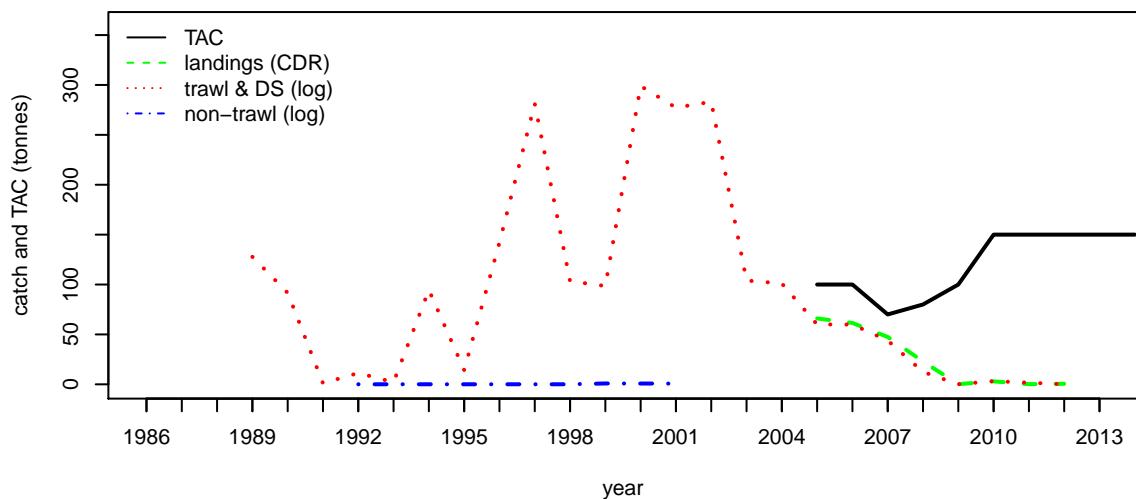
## Port length data



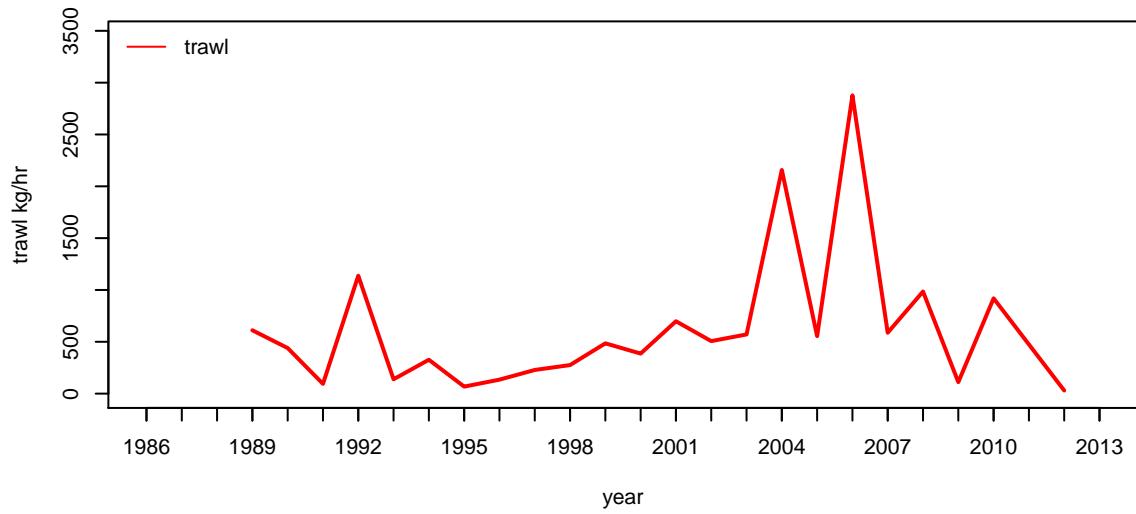
# Smooth Oreo Cascade

Sat Jul 19 15:57:07 2014  
region ORC unit code DOOR  
CAAB 37266003  
start month 1

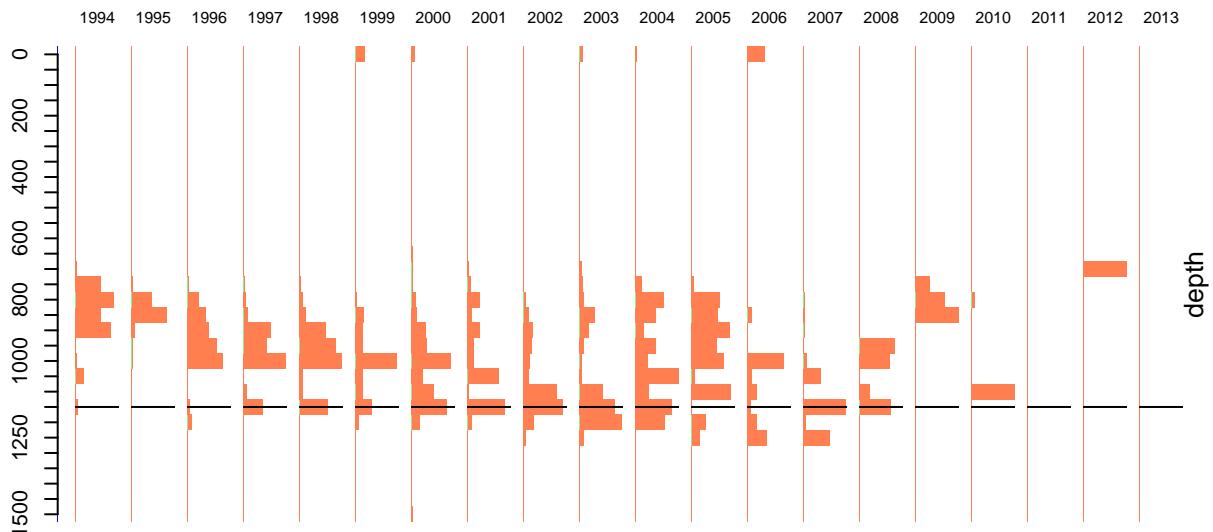
## TAC and landings



## Geometric mean CPUE



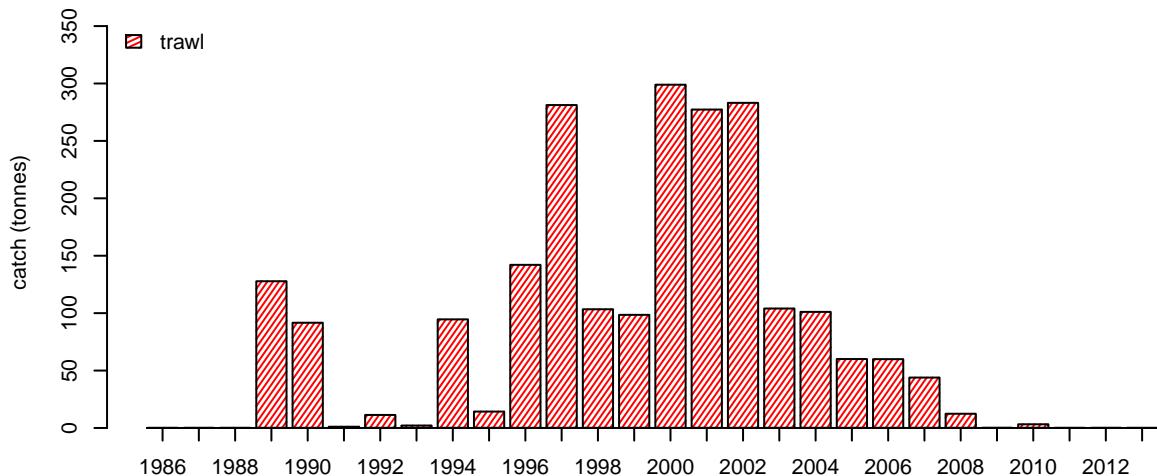
## Catch at depth



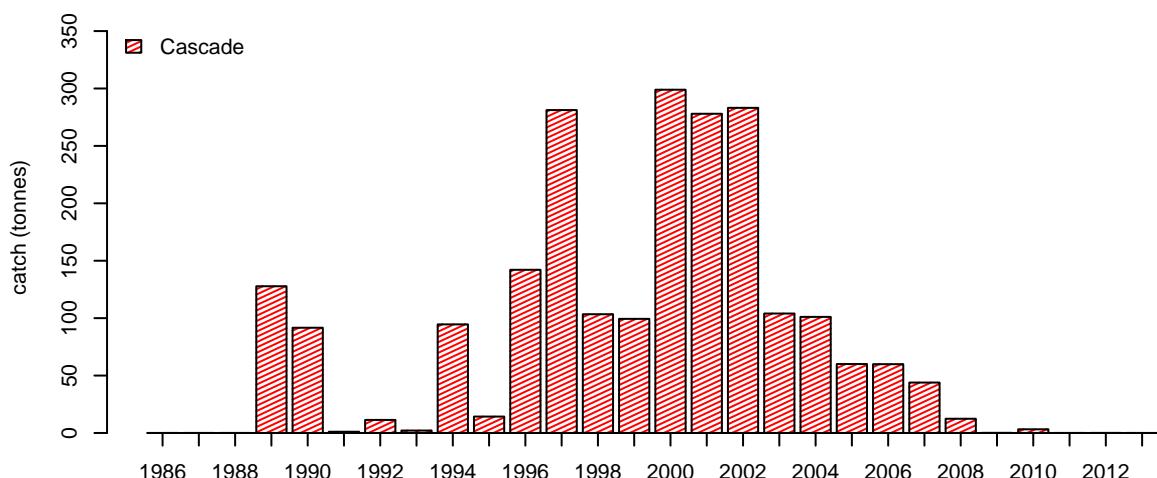
# Smooth Oreo Cascade

Sat Jul 19 15:57:08 2014

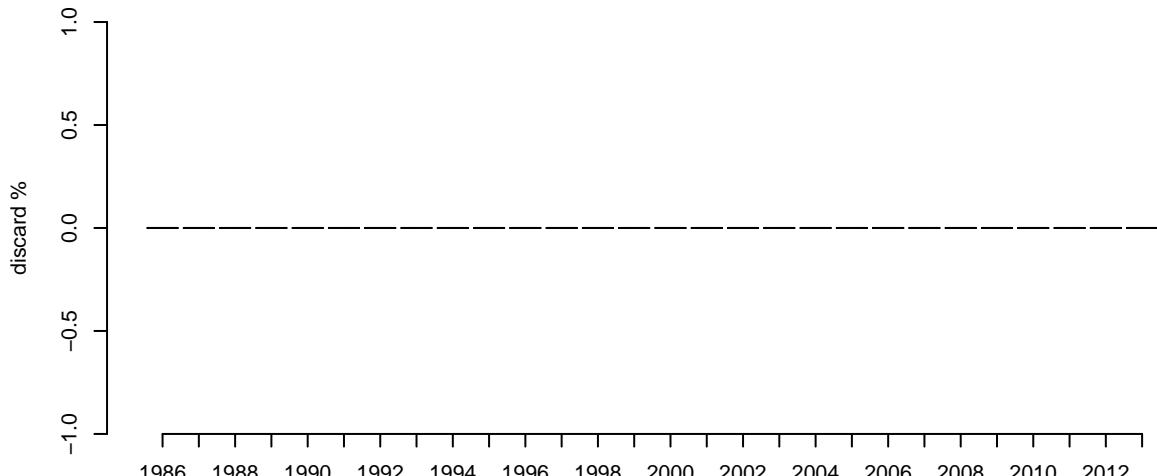
## Catch by gear



## Catch by zone



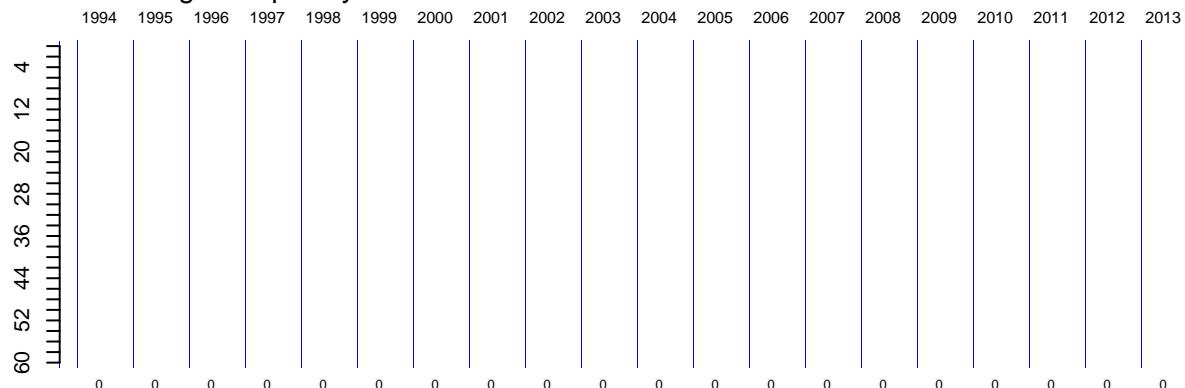
## Discards



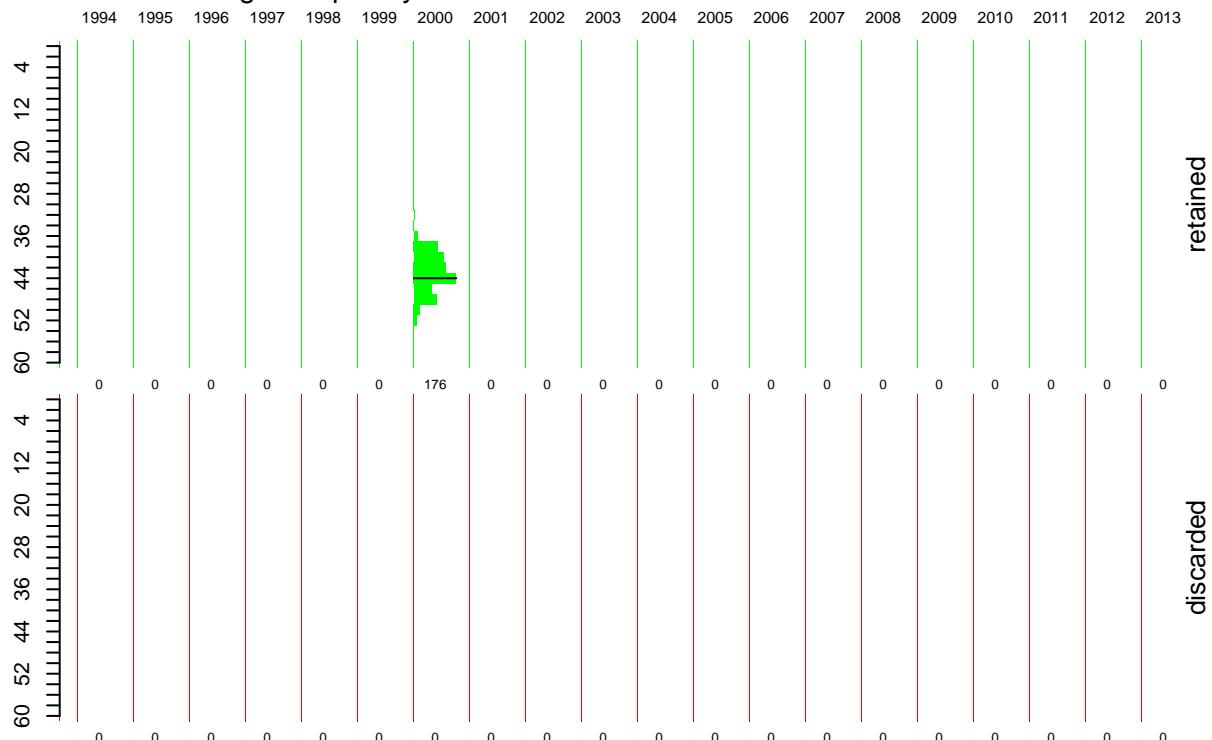
# Smooth Oreo Cascade

Sat Jul 19 15:57:08 2014

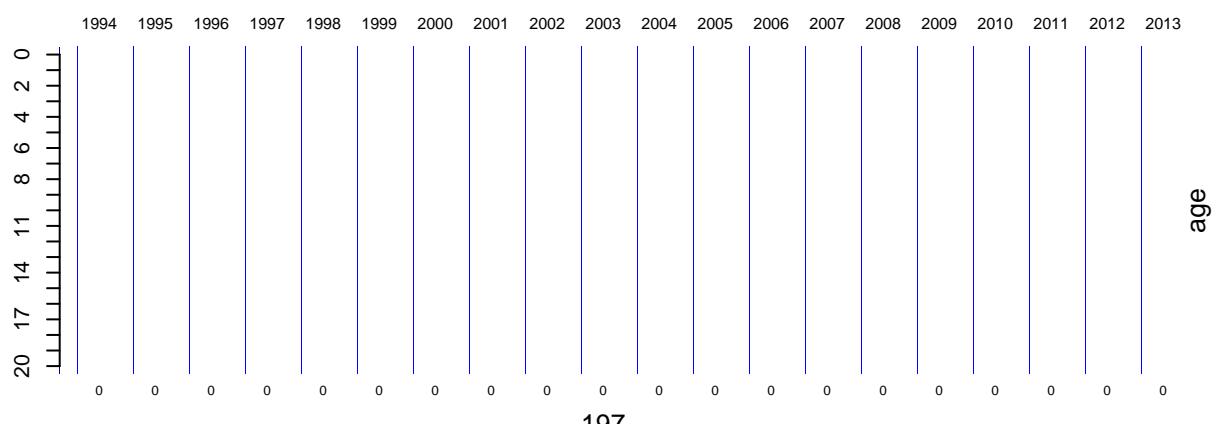
## Port length frequency



## Onboard length frequency



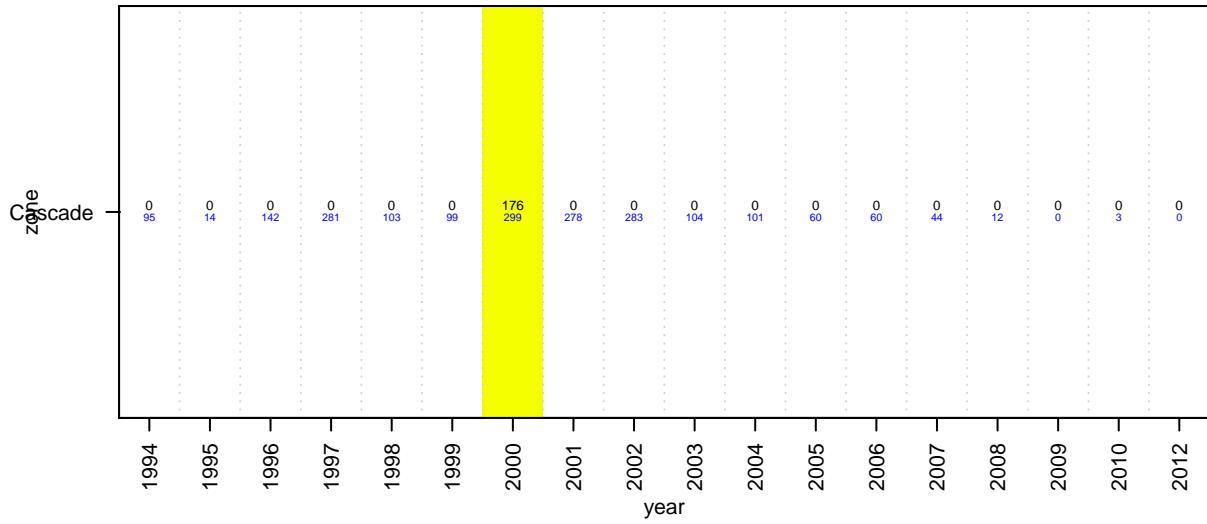
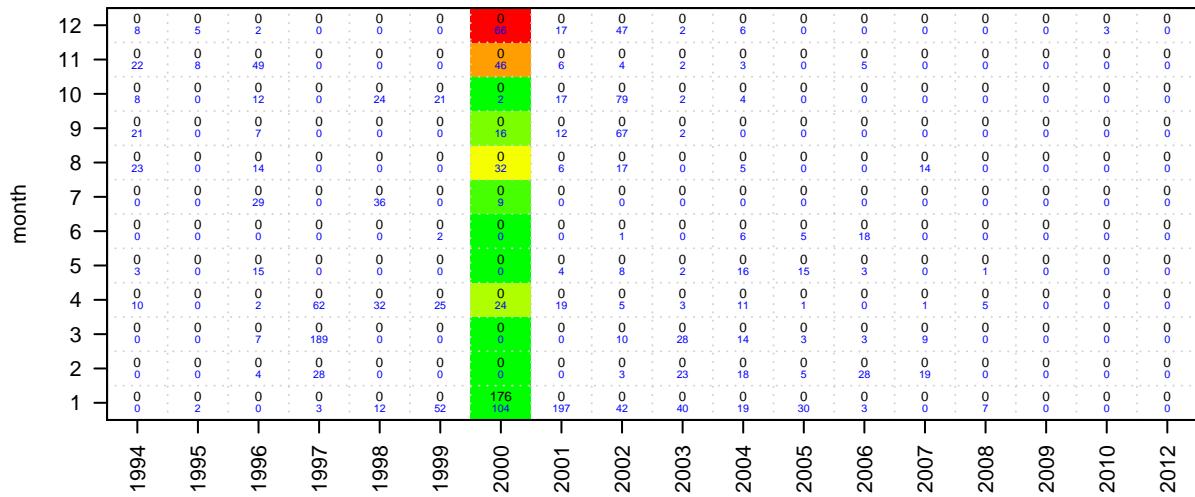
## Age frequency



# Smooth Oreo Cascade

Sat Jul 19 15:57:08 2014

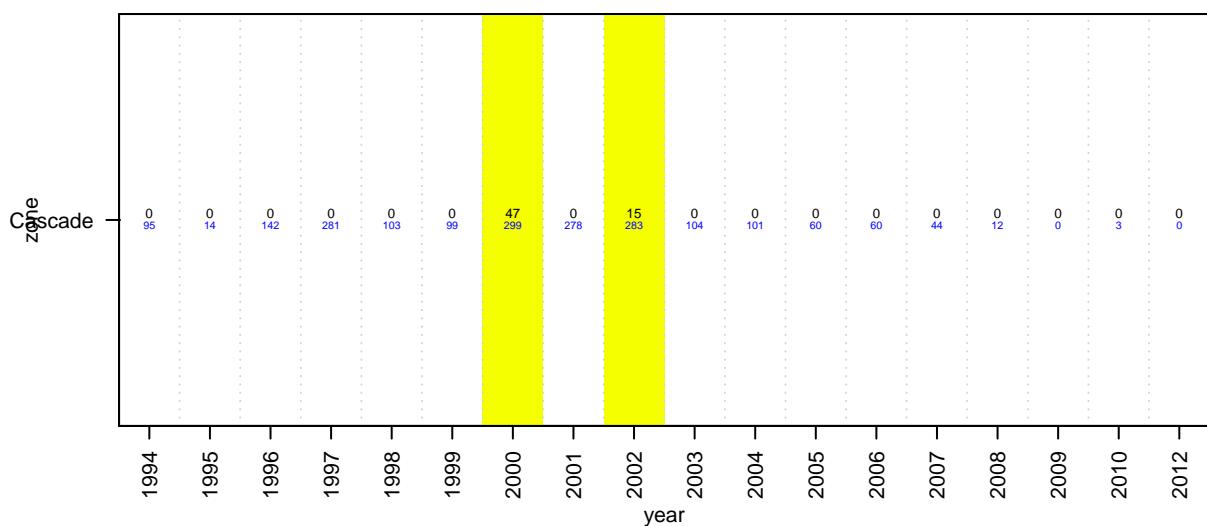
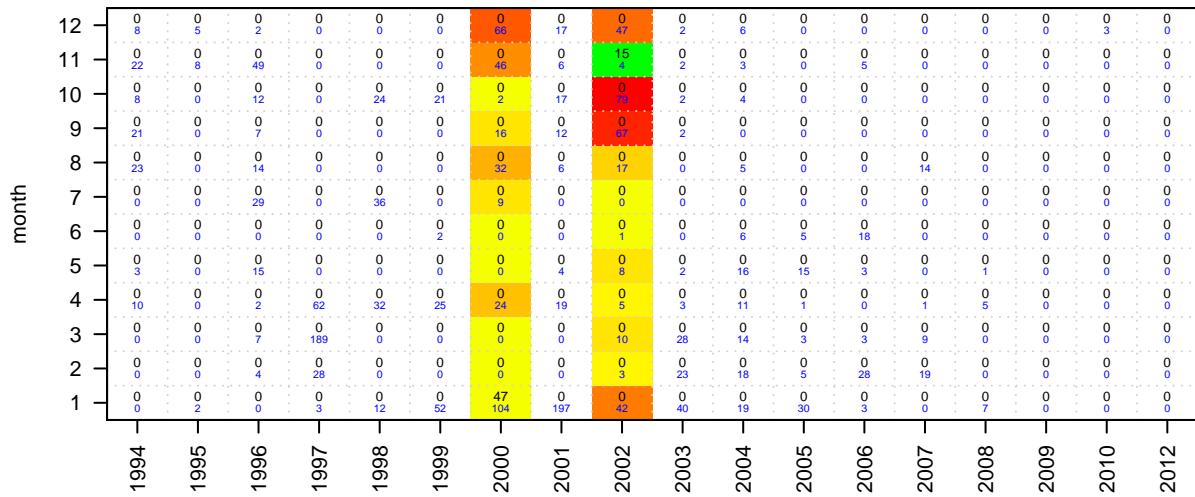
## Onboard length data



# Smooth Oreo Cascade

Sat Jul 19 15:57:08 2014

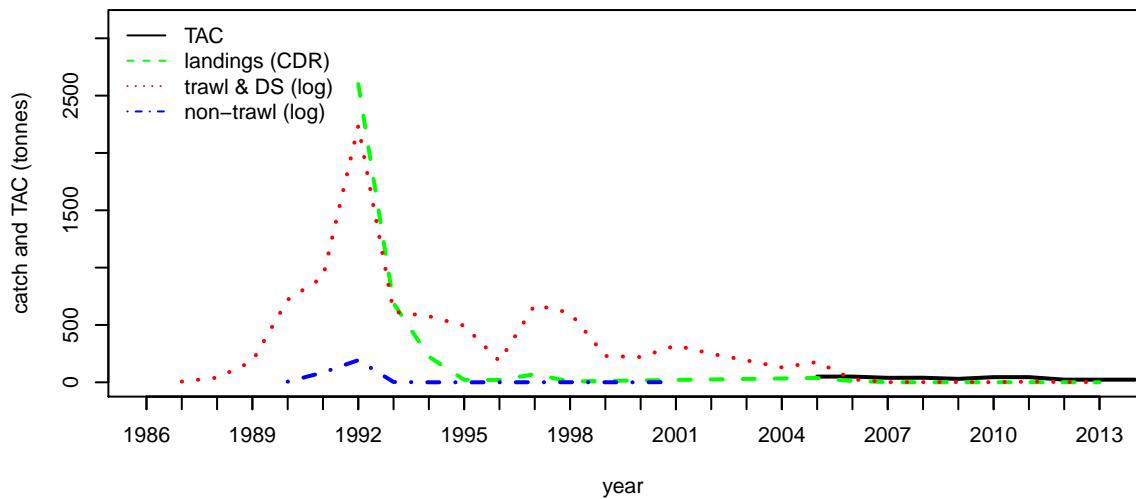
## Onboard discard weight data



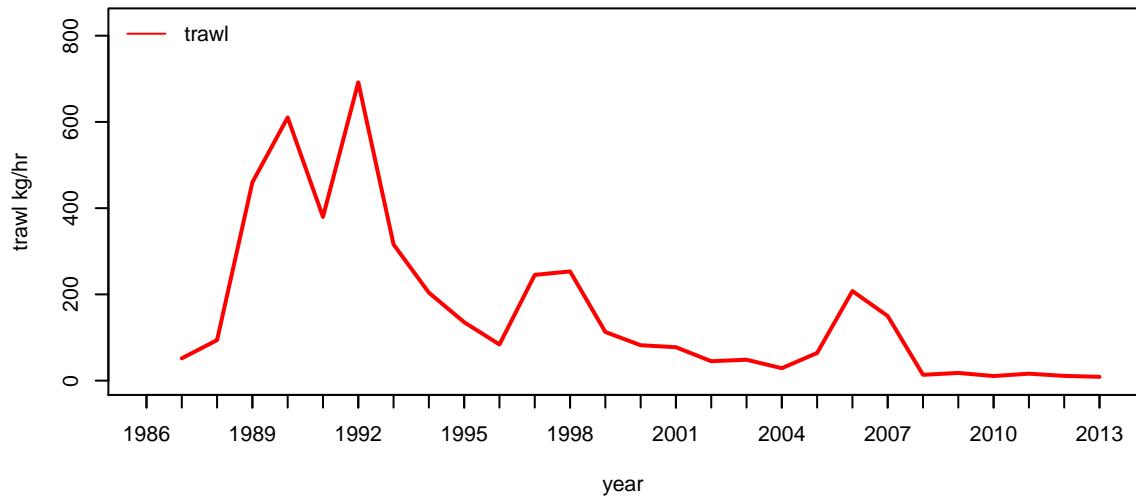
# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:32 2014  
region ORN unit code DOO  
CAAB 37266003  
start month 1

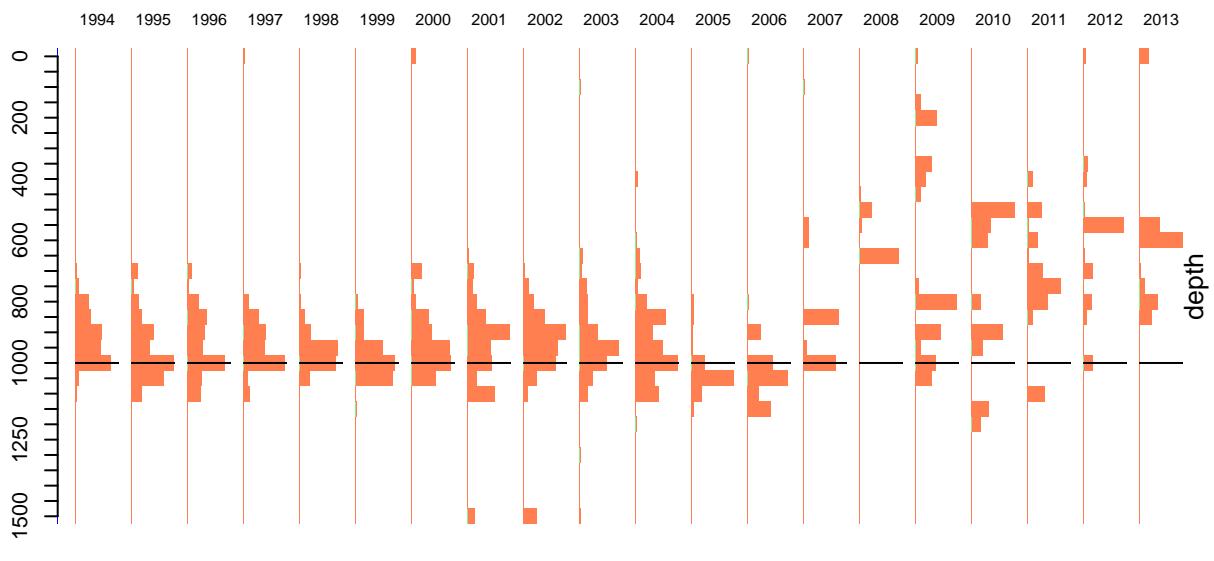
## TAC and landings



## Geometric mean CPUE



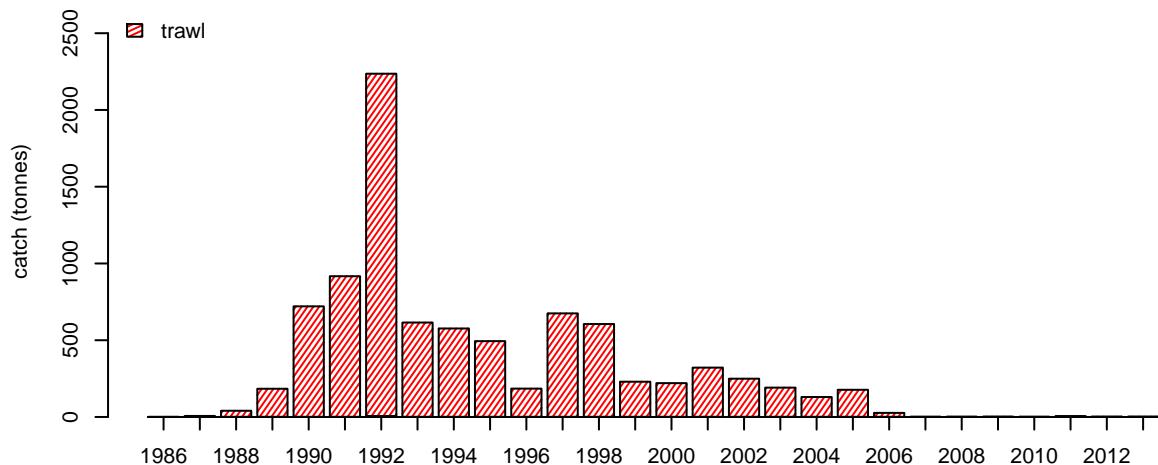
## Catch at depth



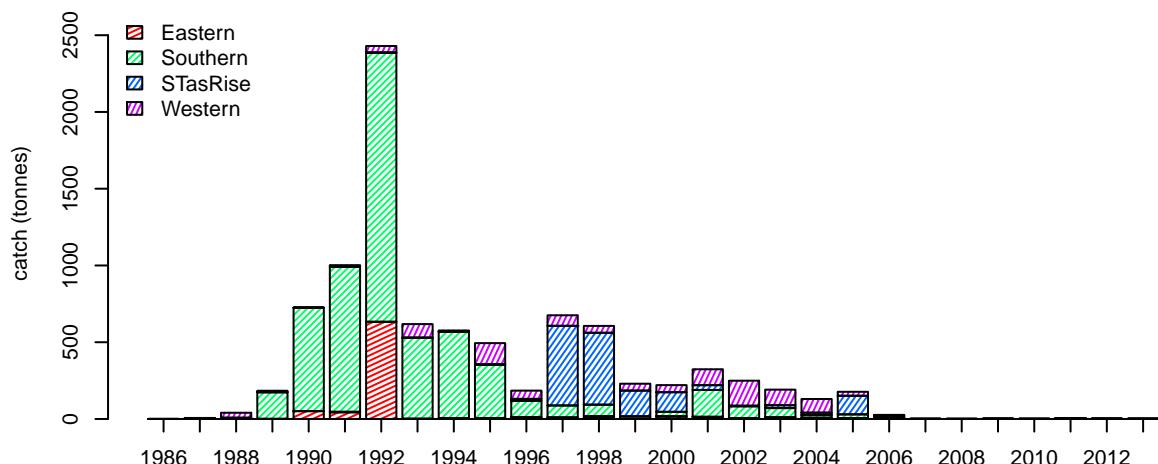
# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:34 2014

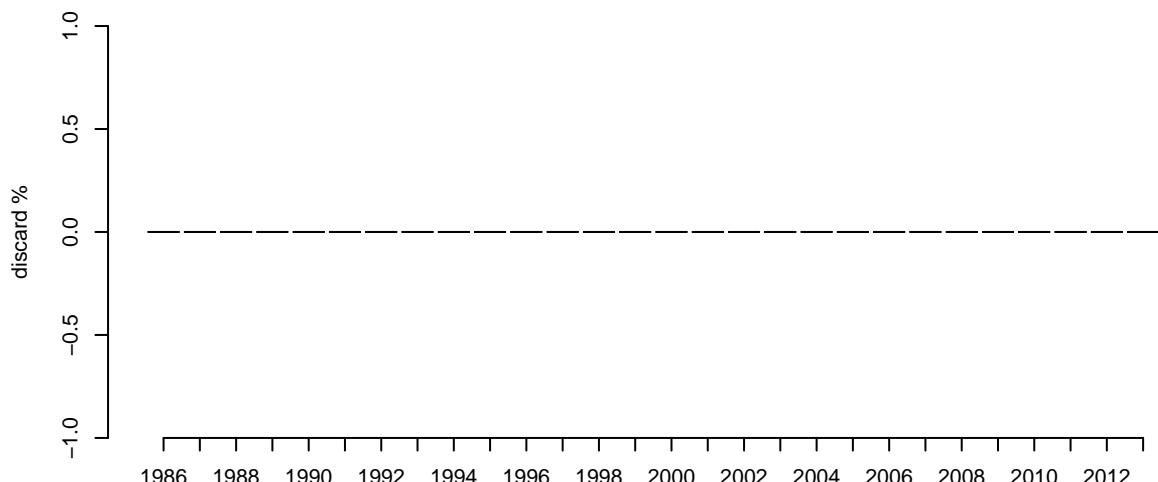
## Catch by gear



## Catch by zone



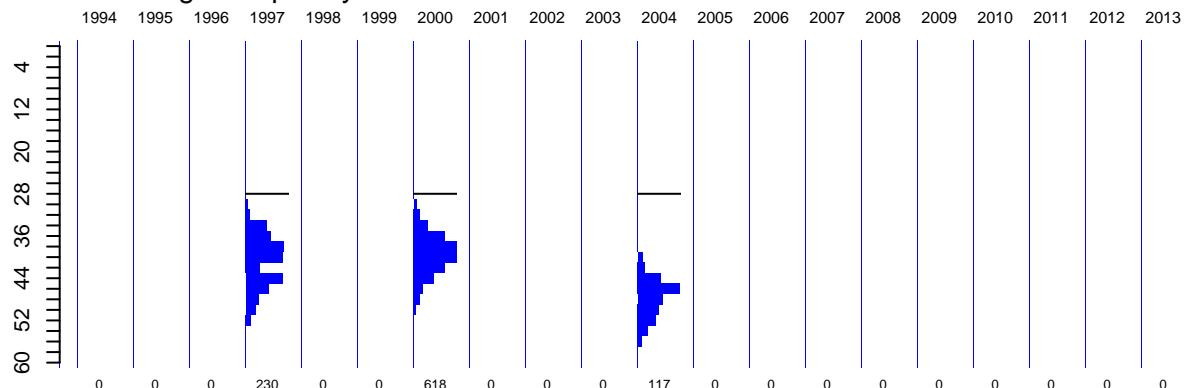
## Discards



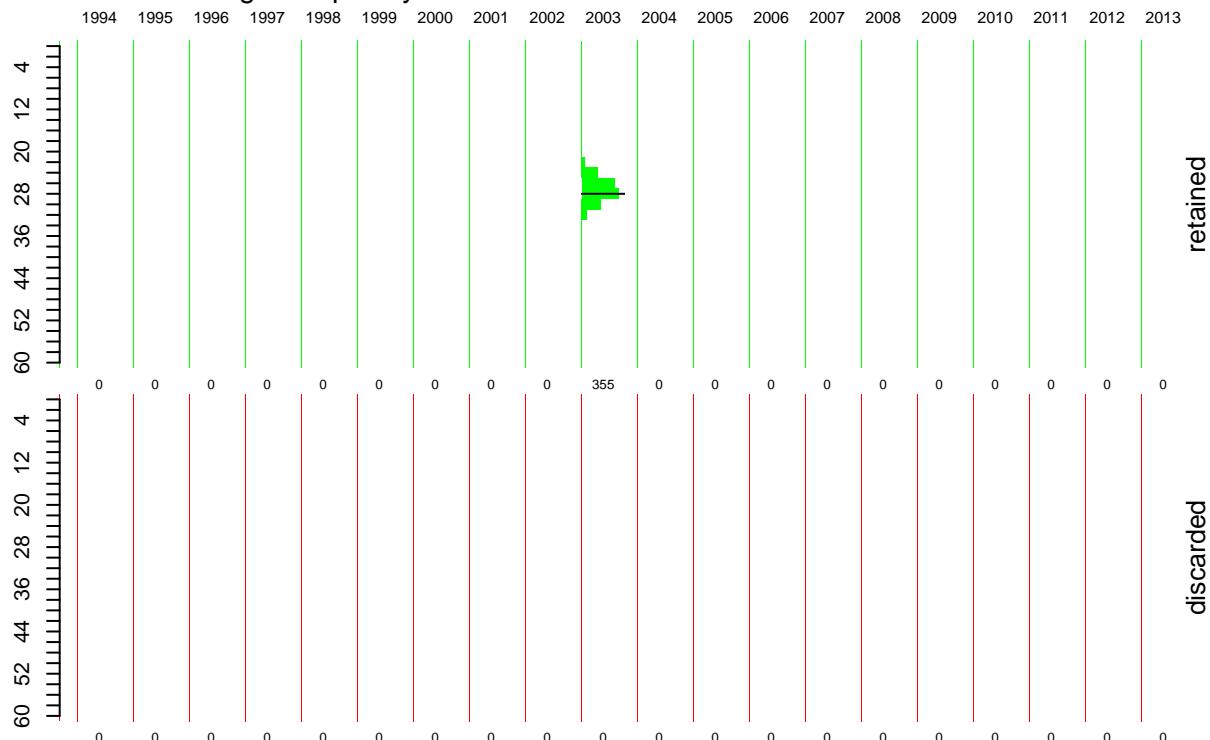
# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:34 2014

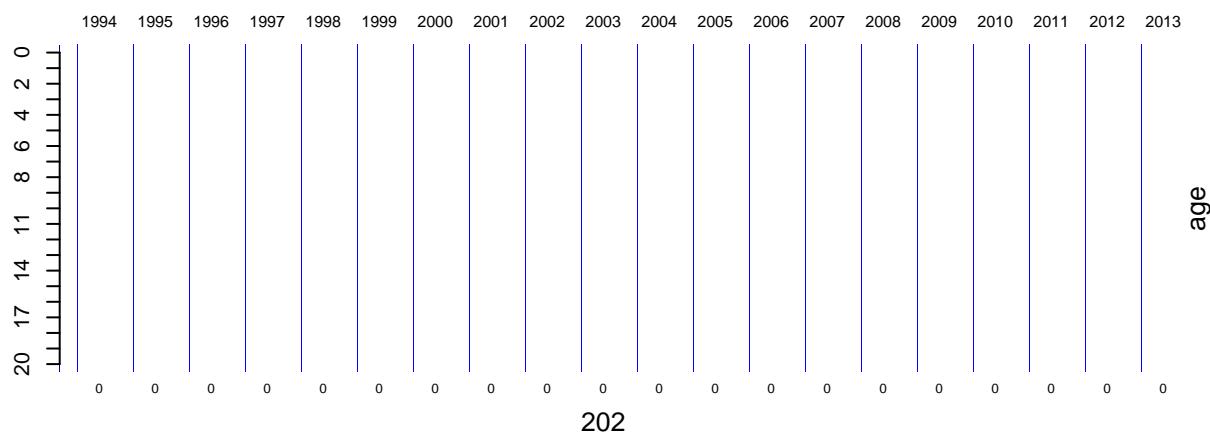
## Port length frequency



## Onboard length frequency



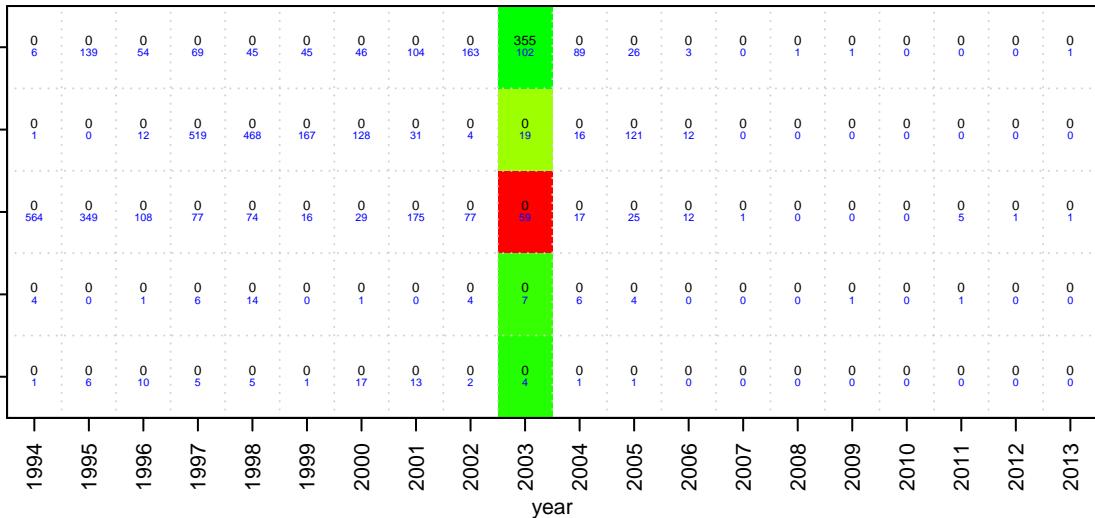
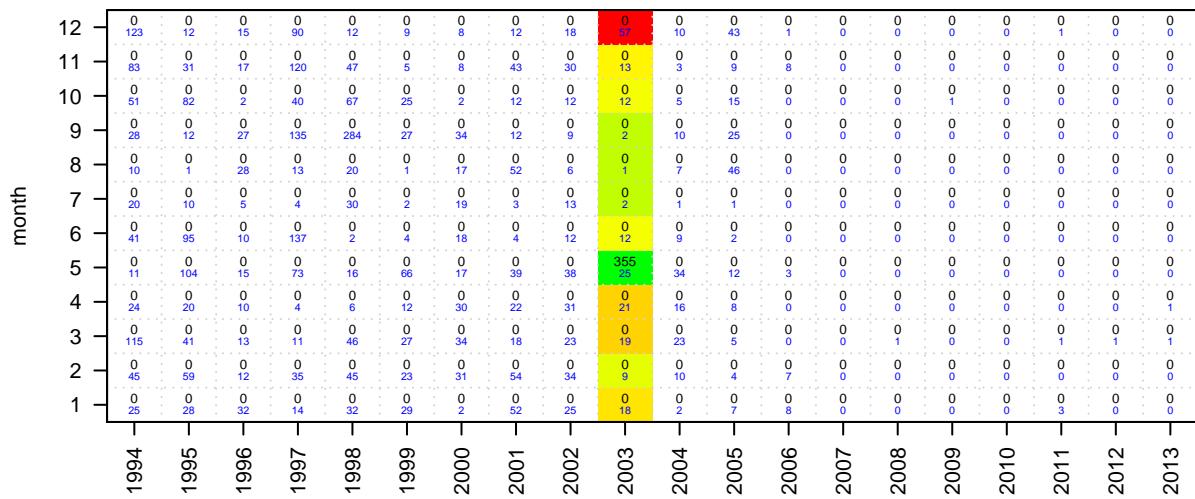
## Age frequency



# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:34 2014

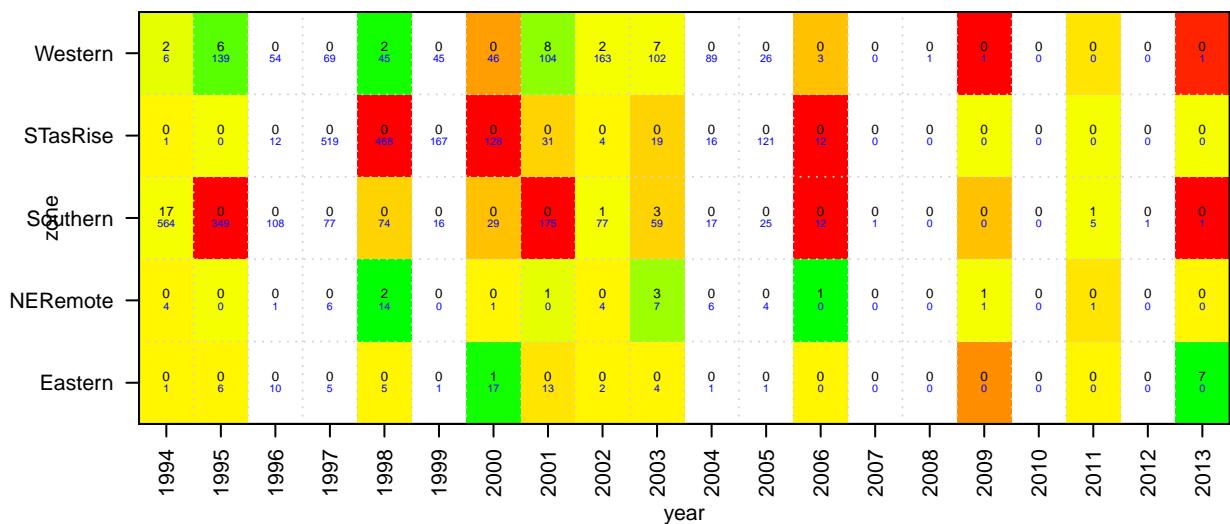
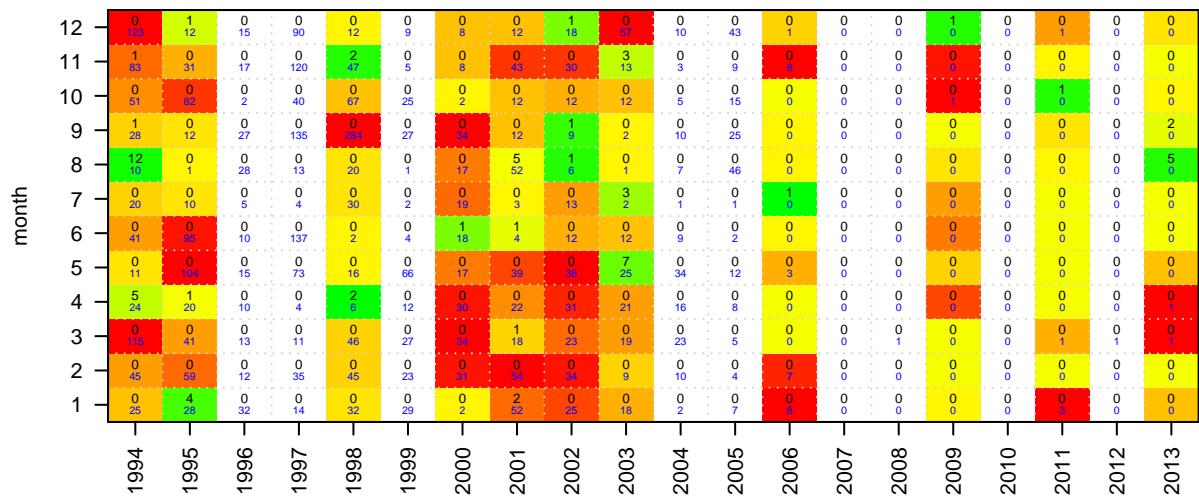
## Onboard length data



# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:34 2014

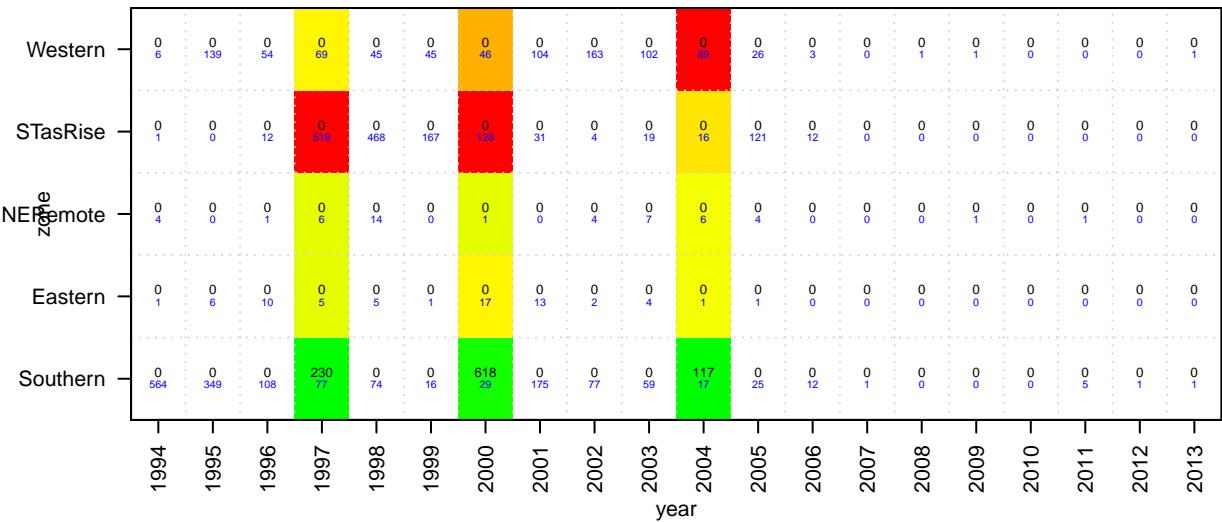
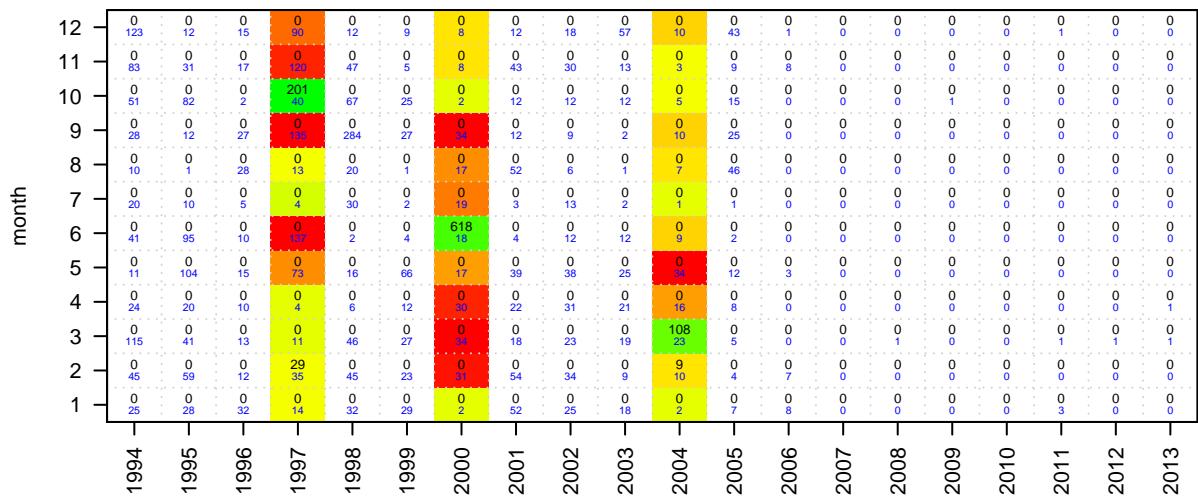
## Onboard discard weight data



# Smooth Oreo Non-Cascade

Sat Jul 19 15:57:34 2014

## Port length data

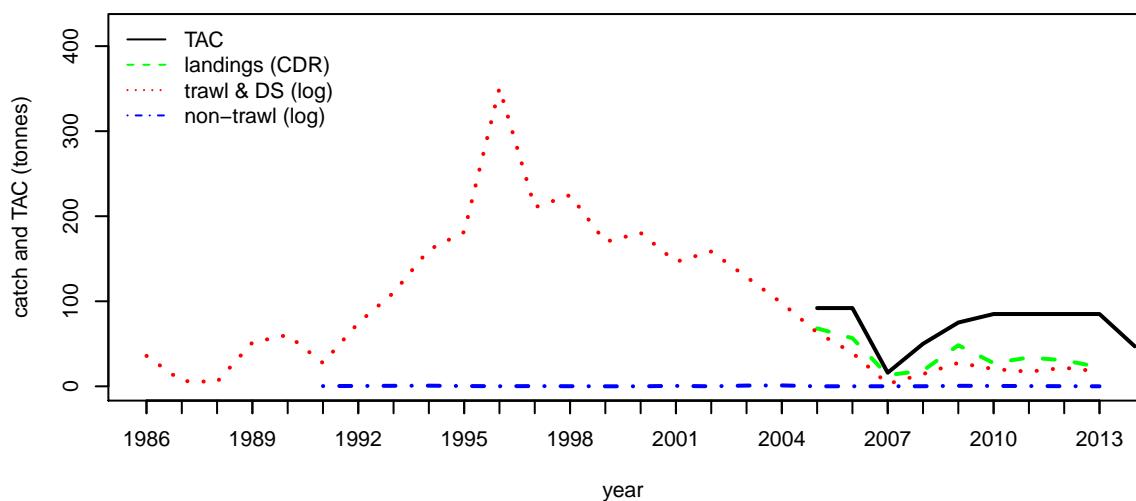


# Deepwater Shark East

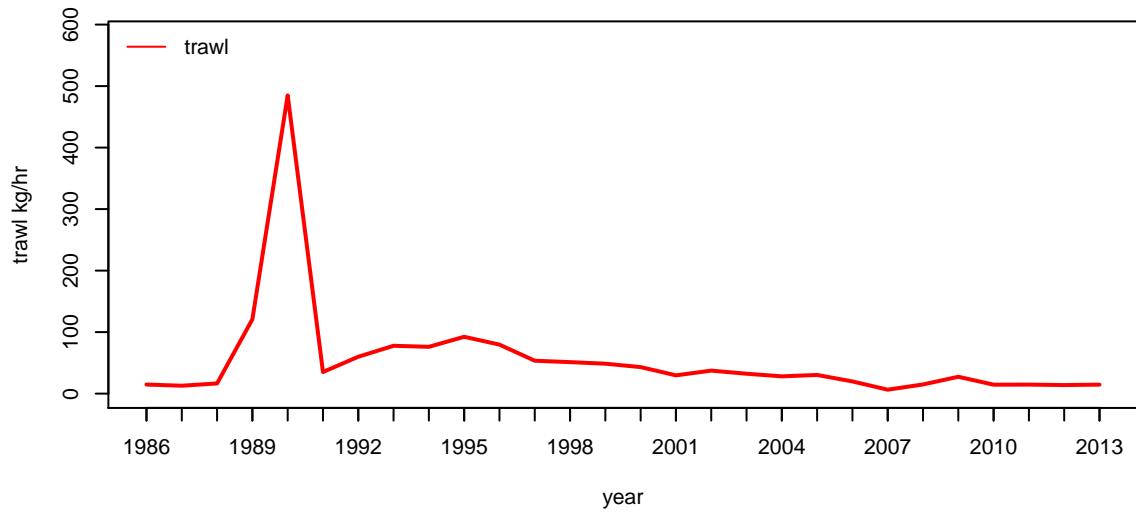
Sat Jul 19 16:04:43 2014

region GEMEAST unit code SHOE

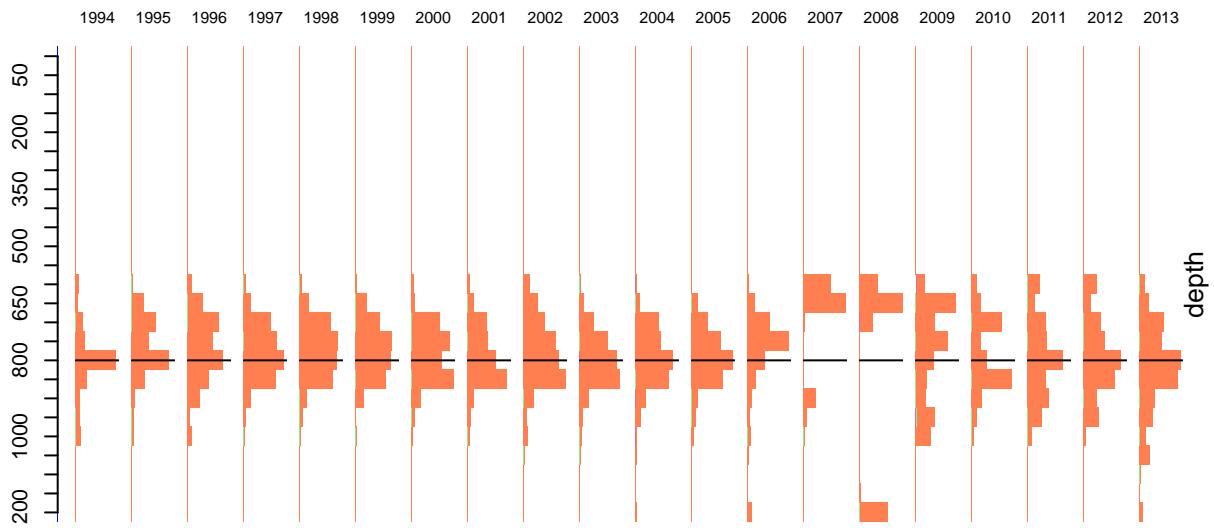
## TAC and landings



## Geometric mean CPUE



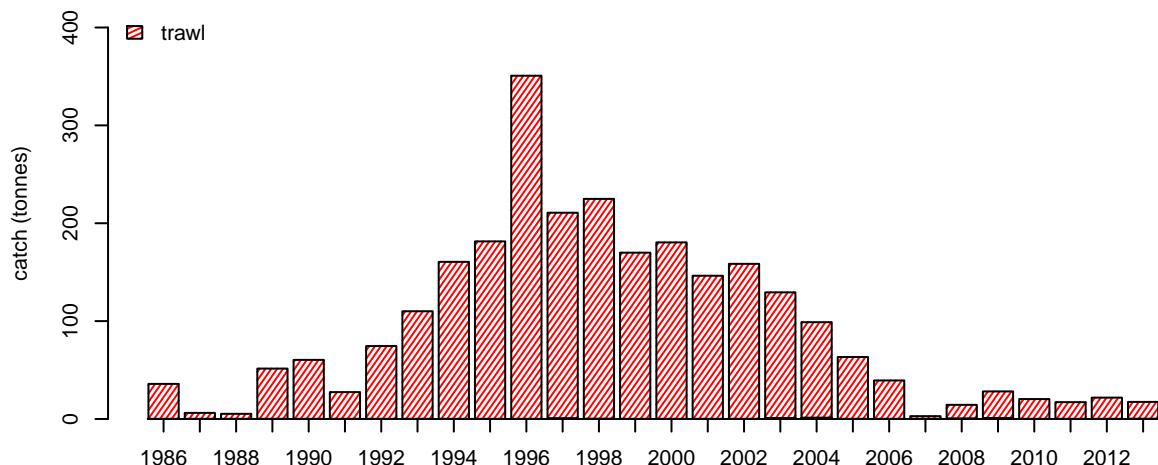
## Catch at depth



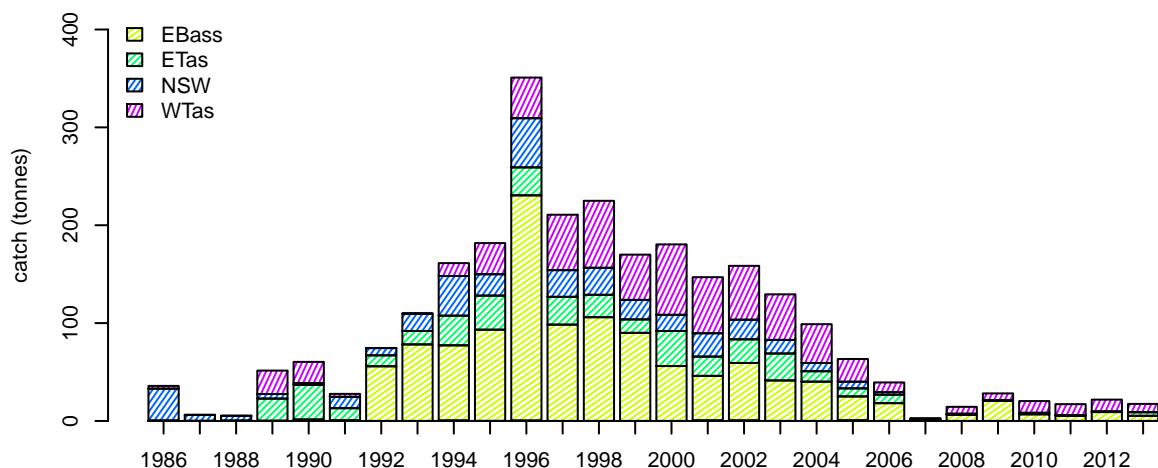
# Deepwater Shark East

Sat Jul 19 16:04:45 2014

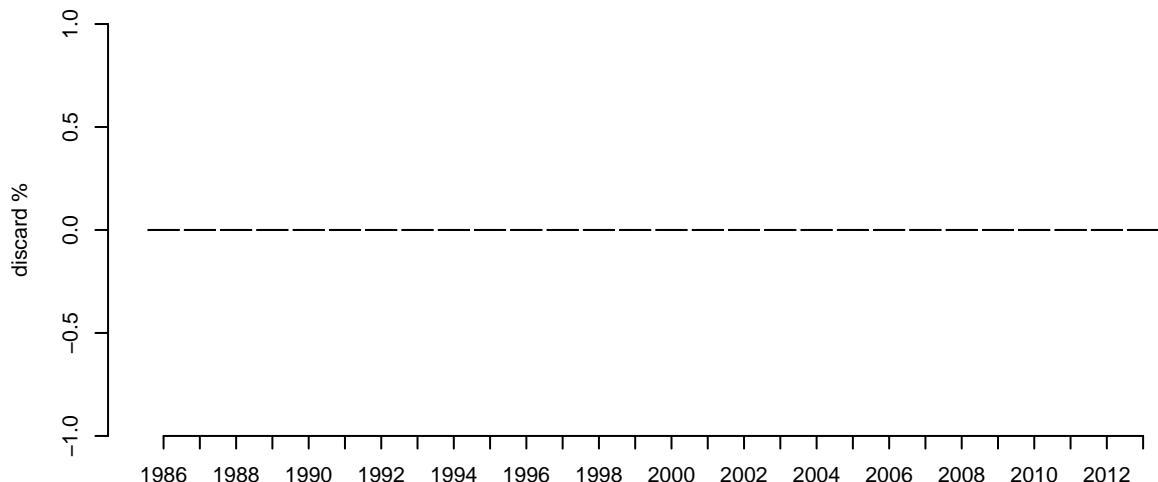
## Catch by gear



## Catch by zone



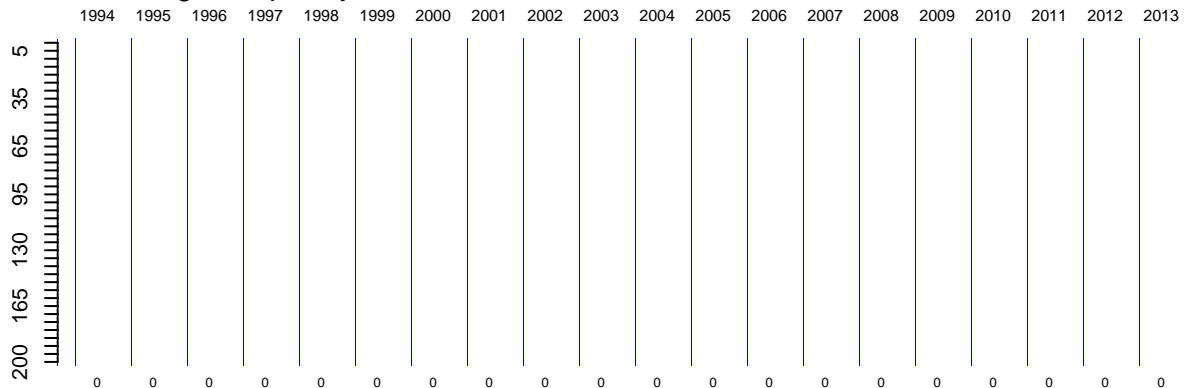
## Discards



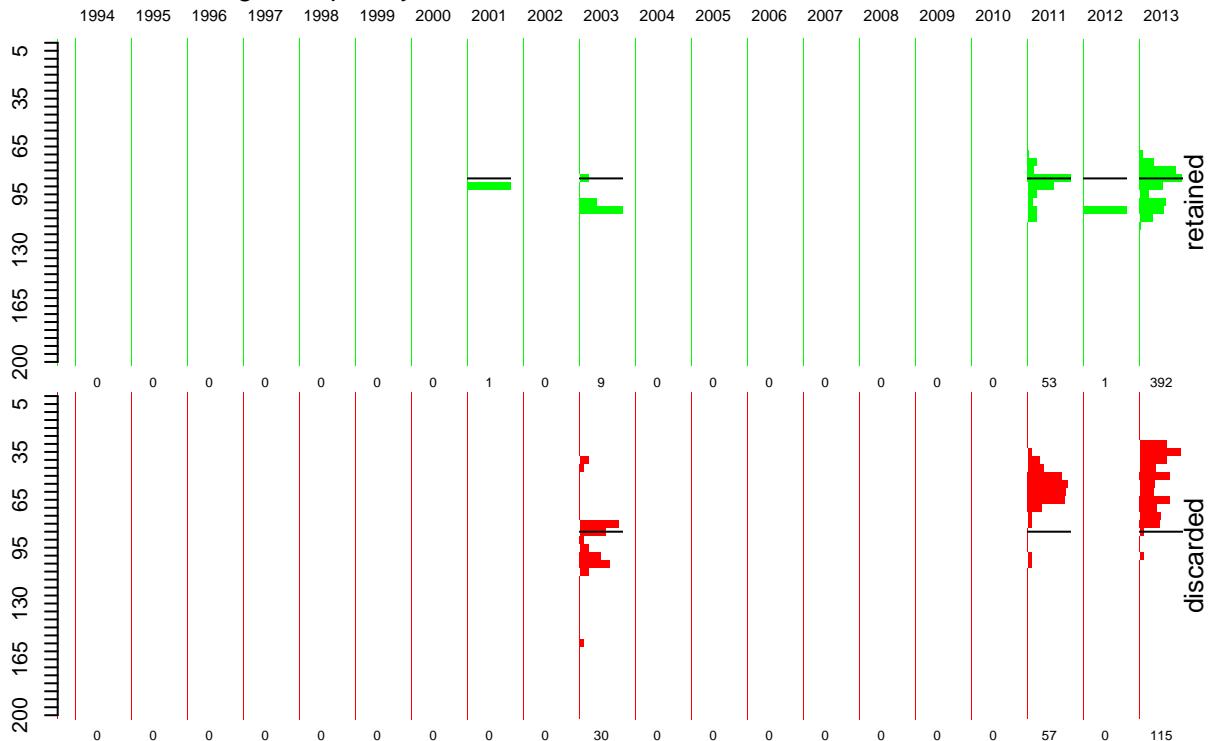
# Deepwater Shark East

Sat Jul 19 16:04:46 2014

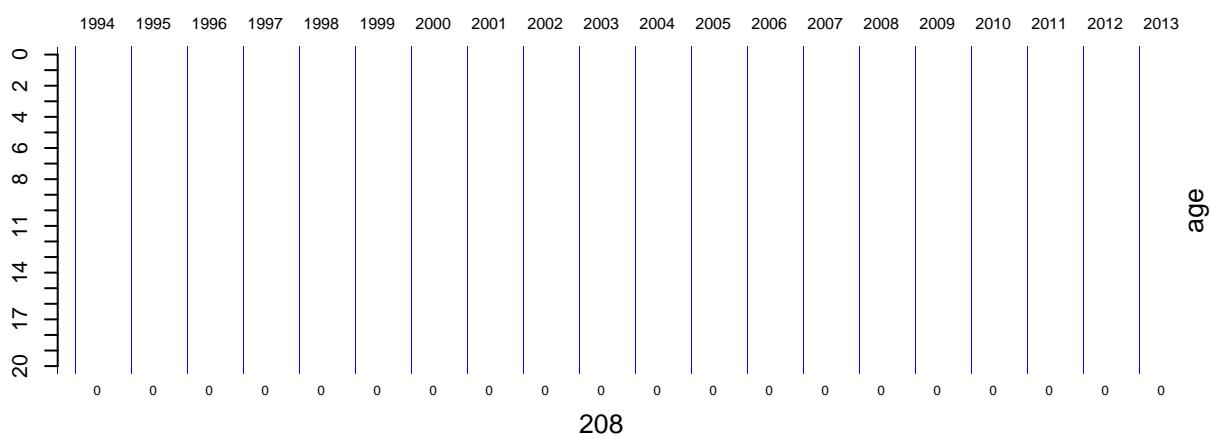
## Port length frequency



## Onboard length frequency



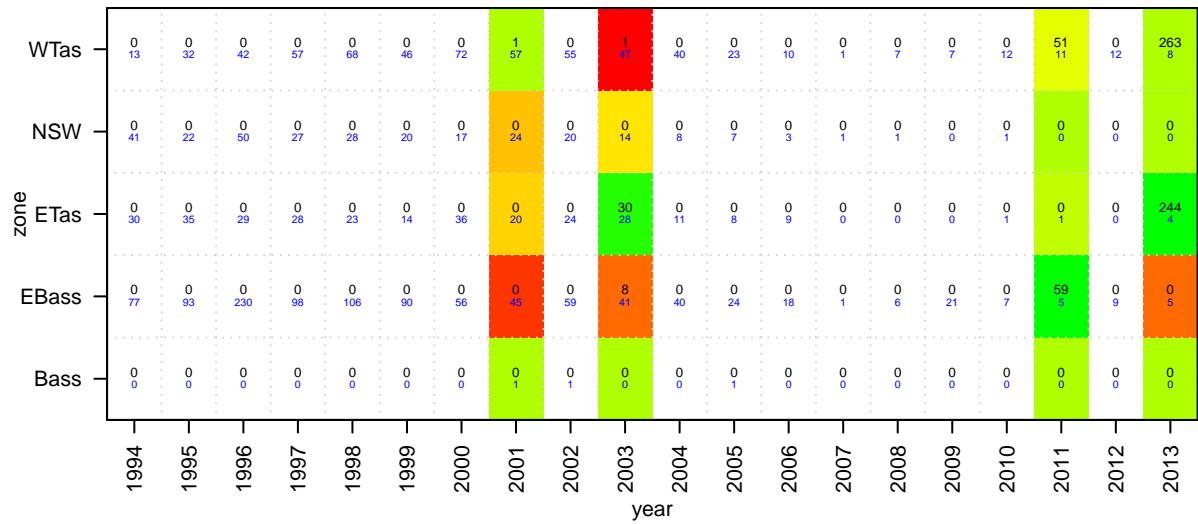
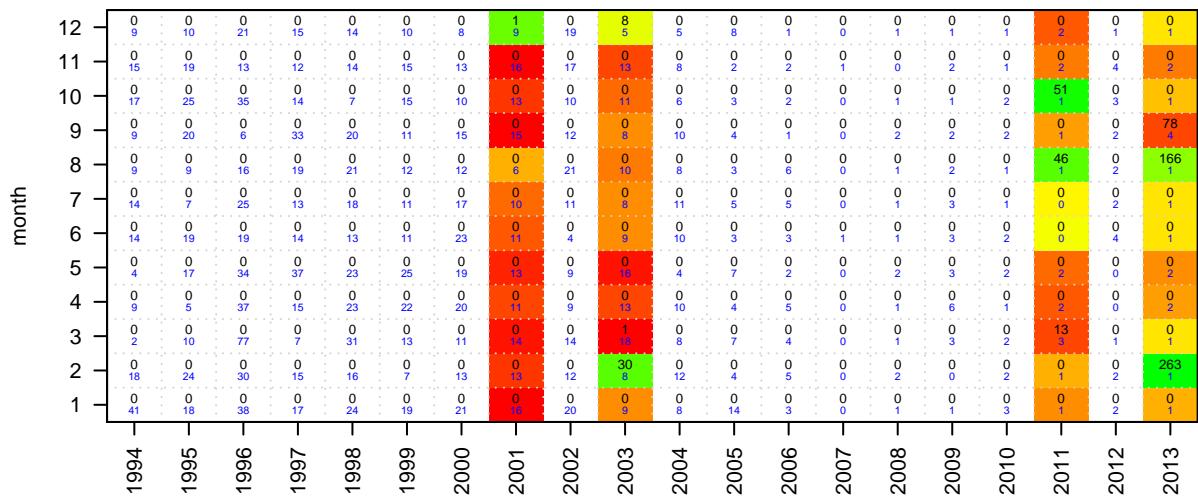
## Age frequency



# Deepwater Shark East

Sat Jul 19 16:04:46 2014

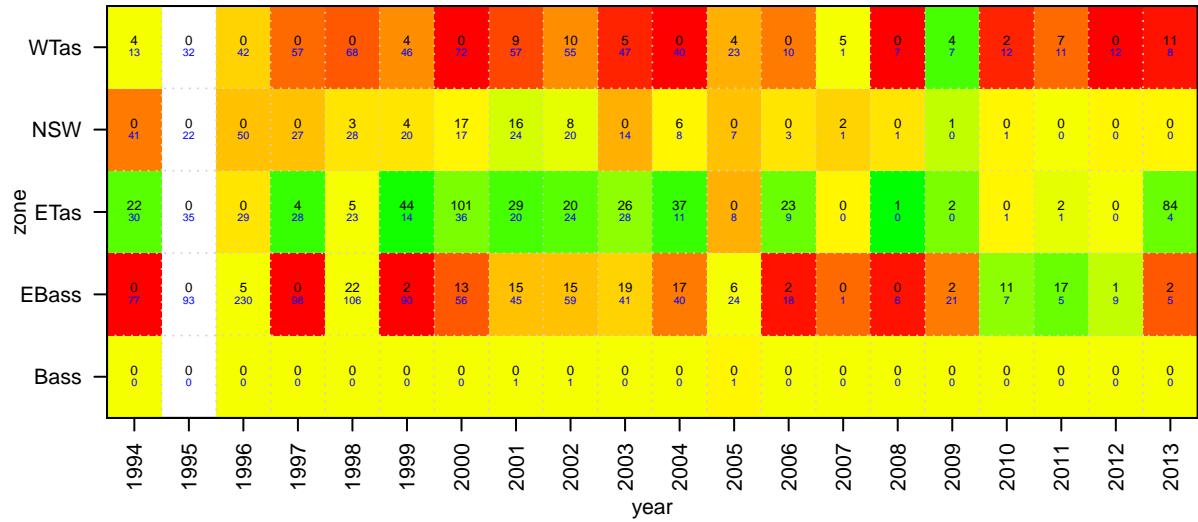
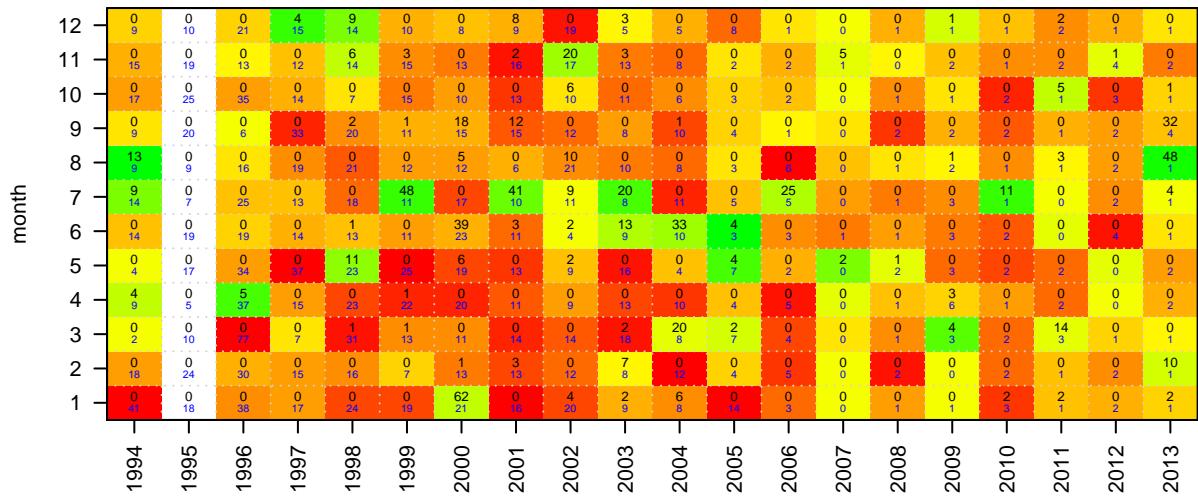
## Onboard length data



# Deepwater Shark East

Sat Jul 19 16:04:46 2014

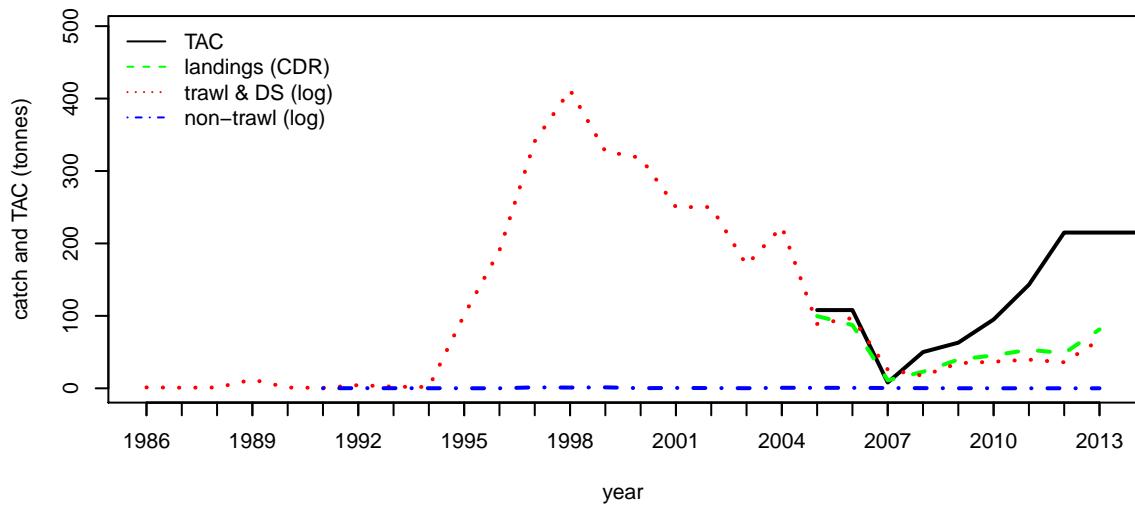
## Onboard discard weight data



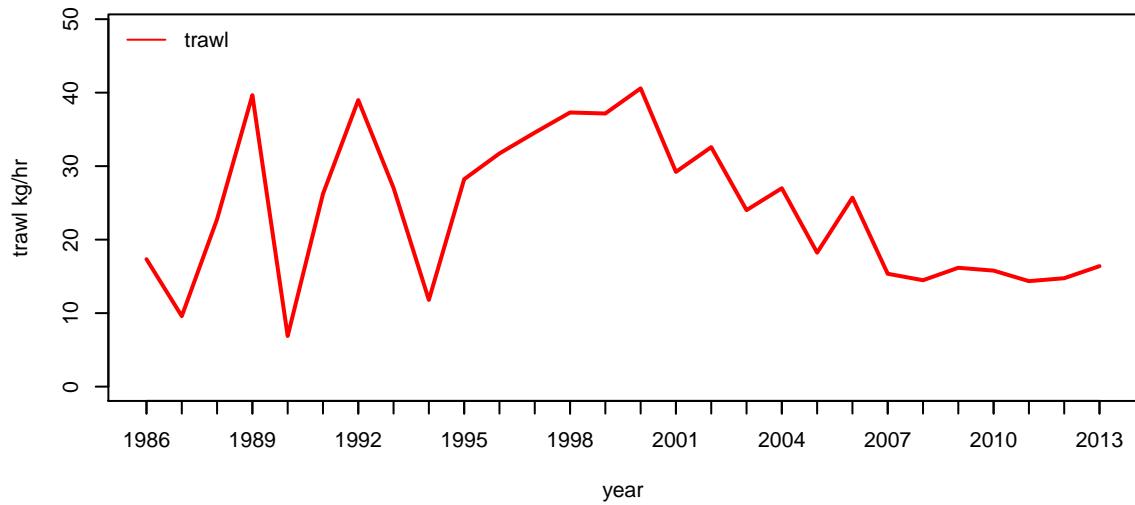
# Deepwater Shark West

Sat Jul 19 16:12:08 2014  
 region GEMWEST unit code SHOW  
 CAAB 37020025 37020012 37020024 37020019 37020013 37020002 37020003 37020004 37020027 37020032 .. etc see methods  
 start month 1

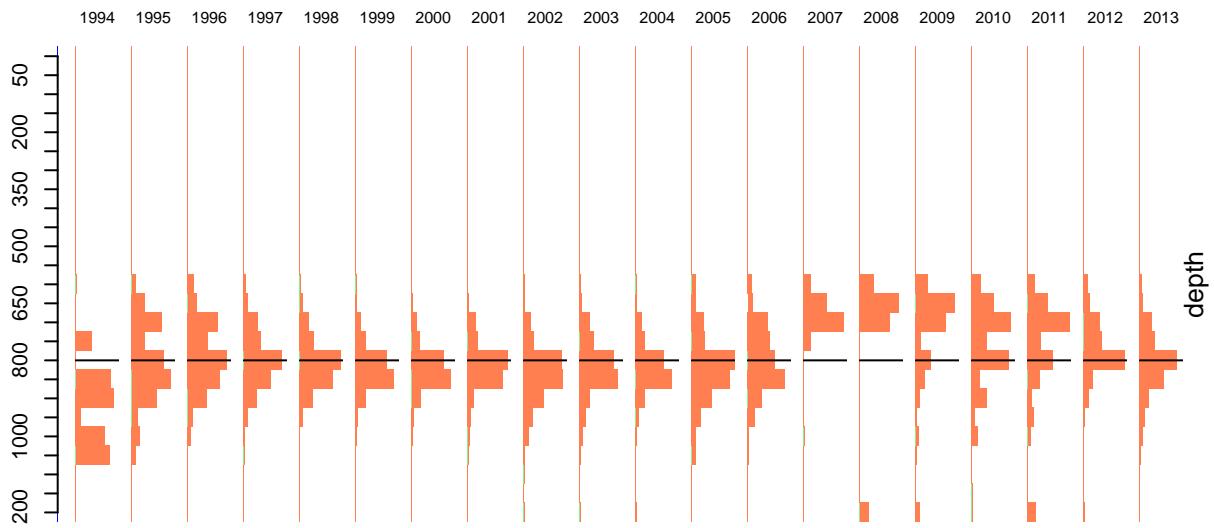
## TAC and landings



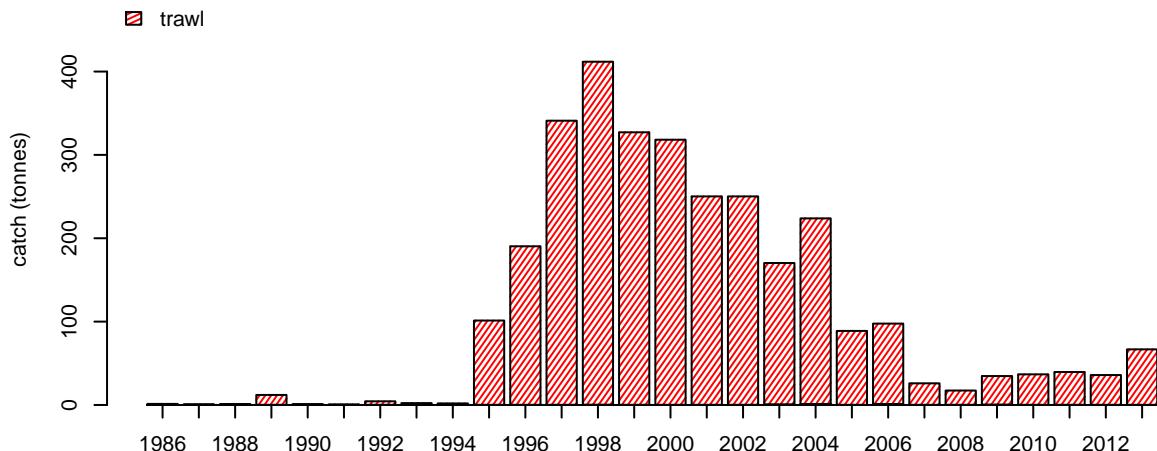
## Geometric mean CPUE



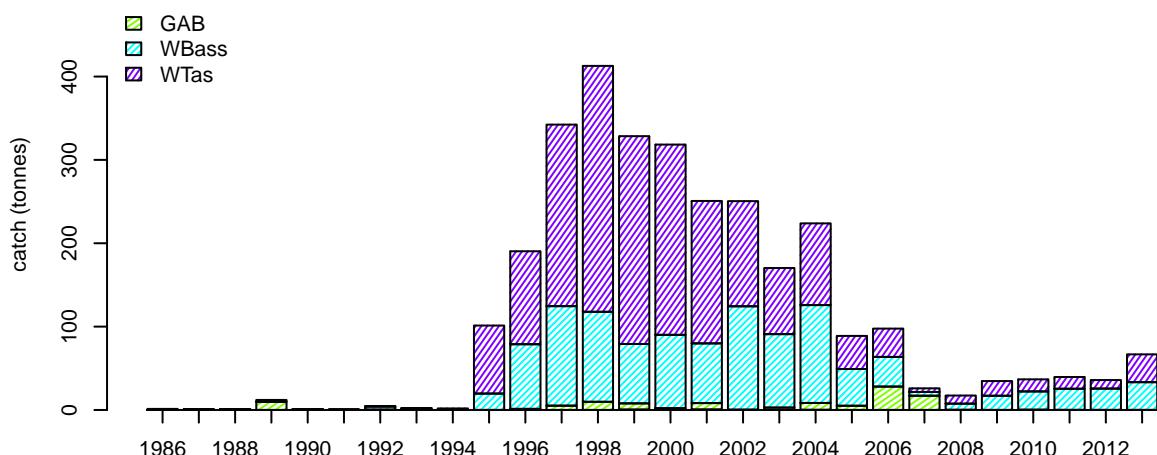
## Catch at depth



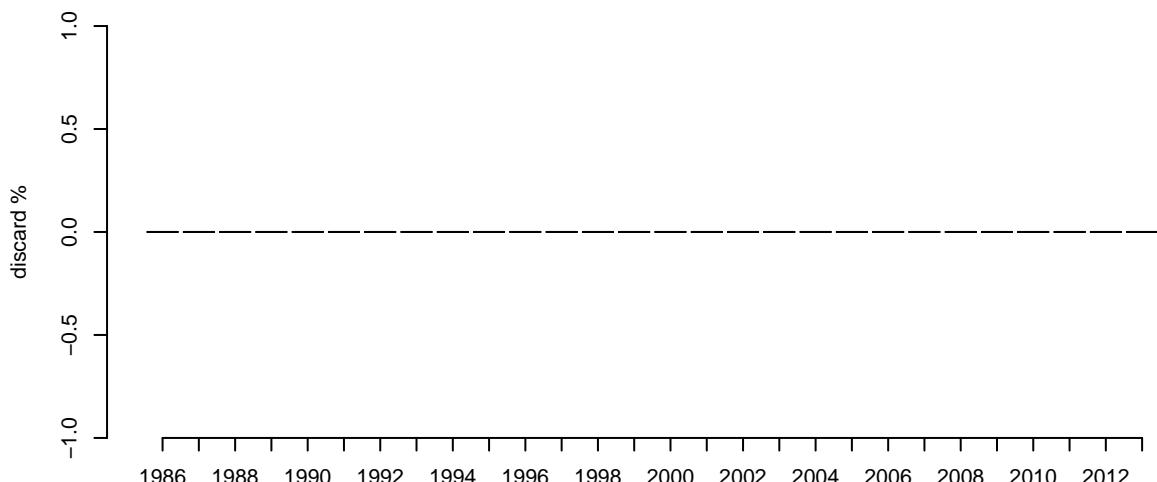
## Catch by gear



## Catch by zone



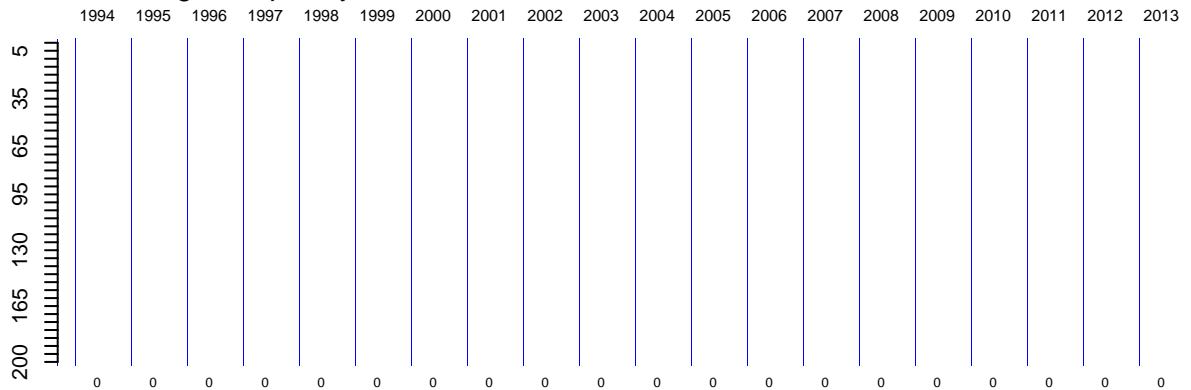
## Discards



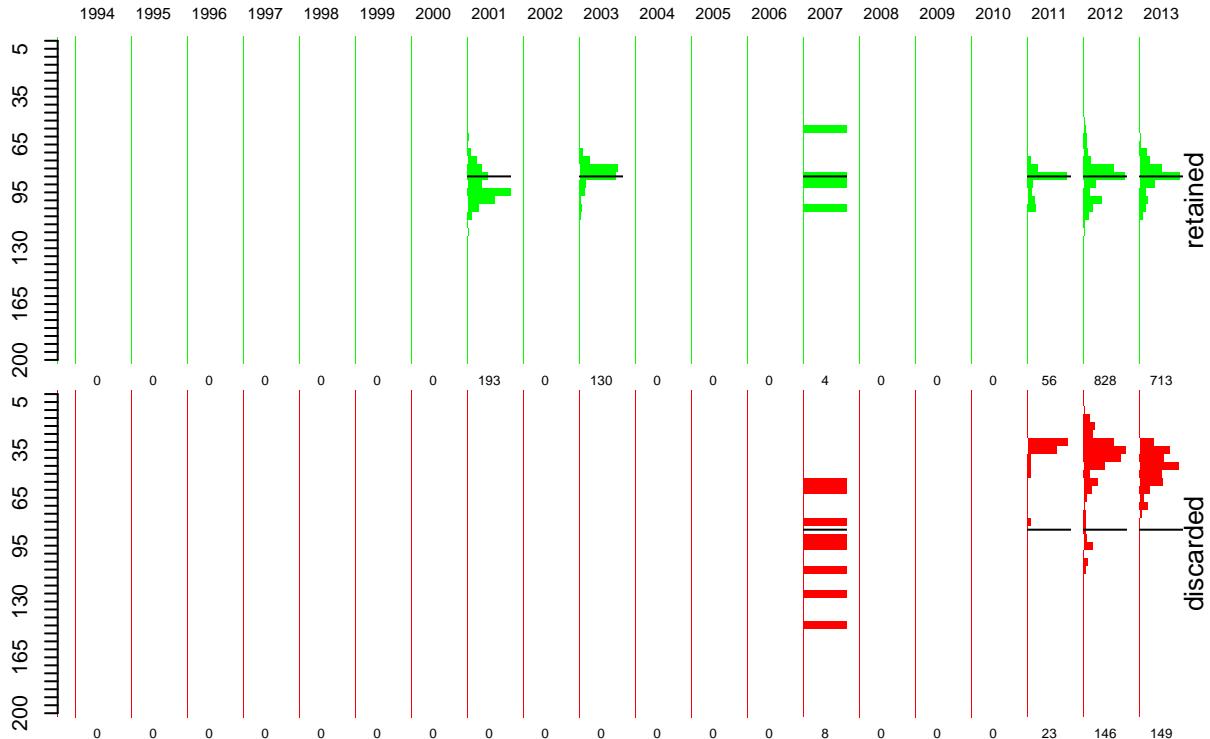
# Deepwater Shark West

Sat Jul 19 16:12:11 2014

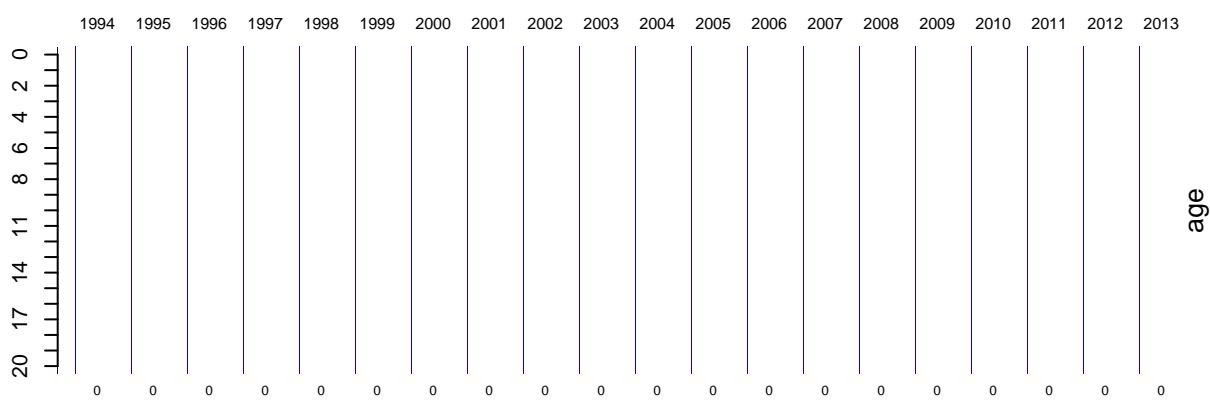
## Port length frequency



## Onboard length frequency



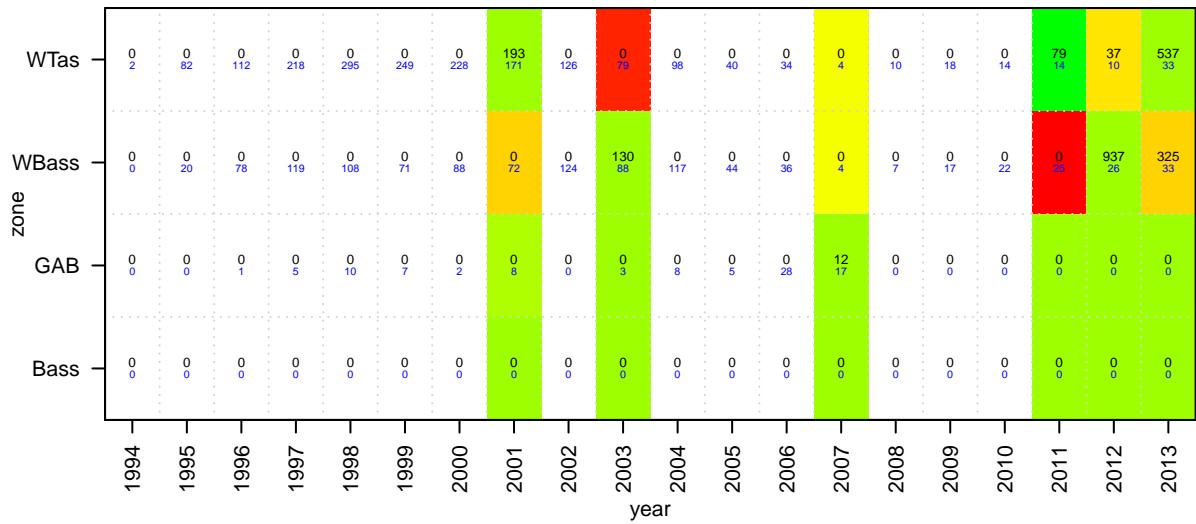
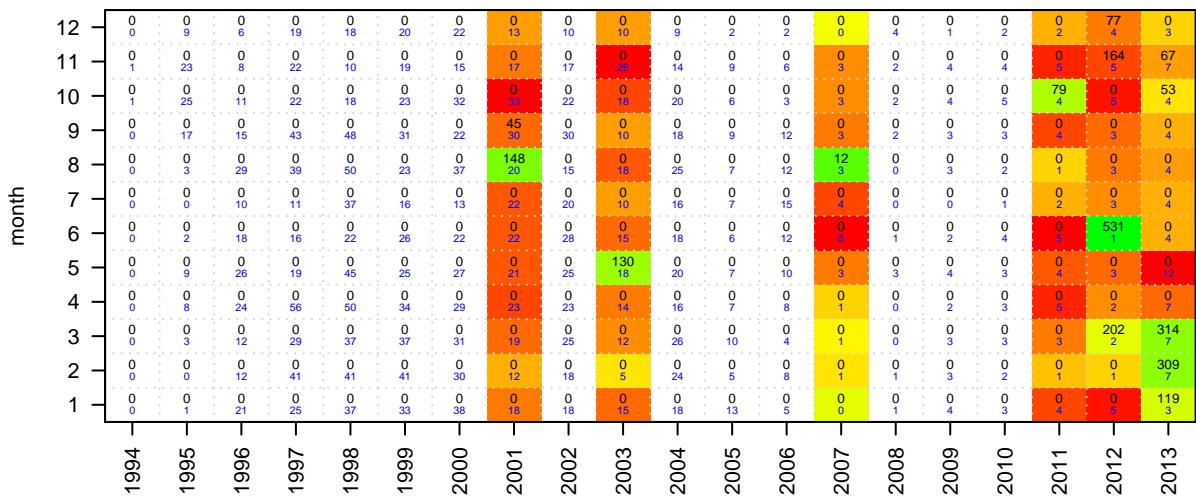
## Age frequency



# Deepwater Shark West

Sat Jul 19 16:12:12 2014

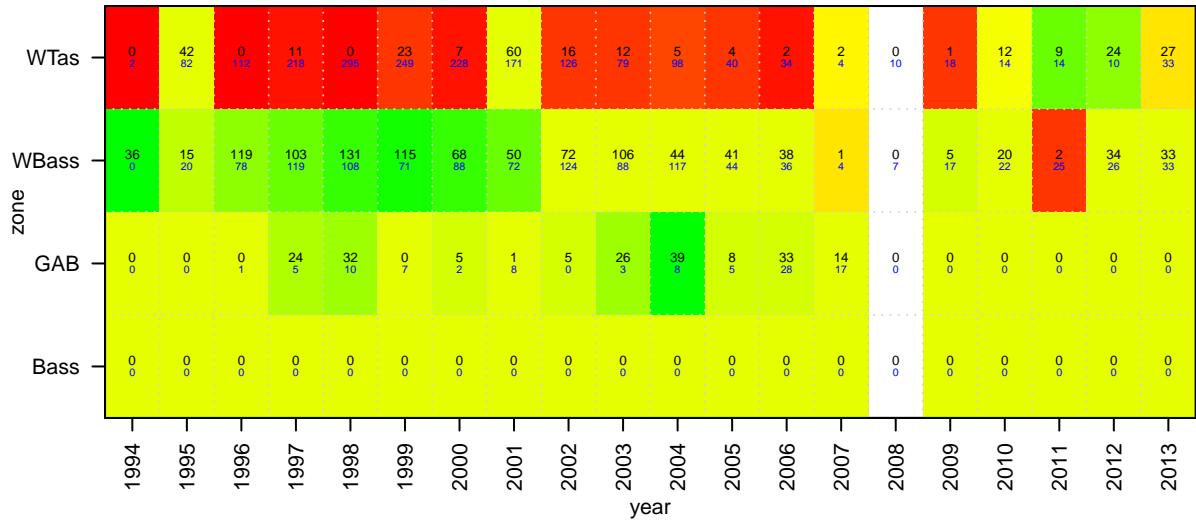
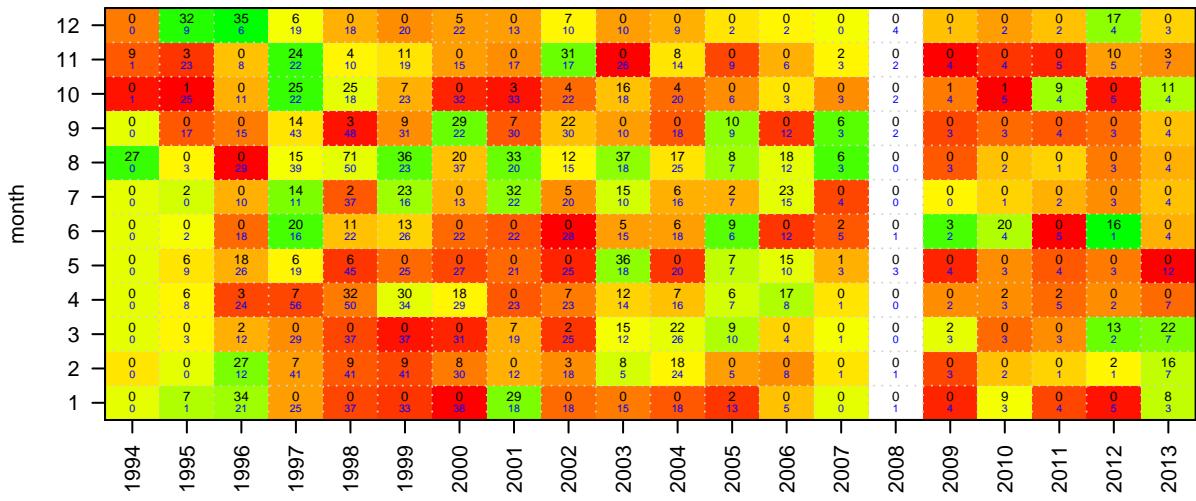
## Onboard length data



# Deepwater Shark West

Sat Jul 19 16:12:12 2014

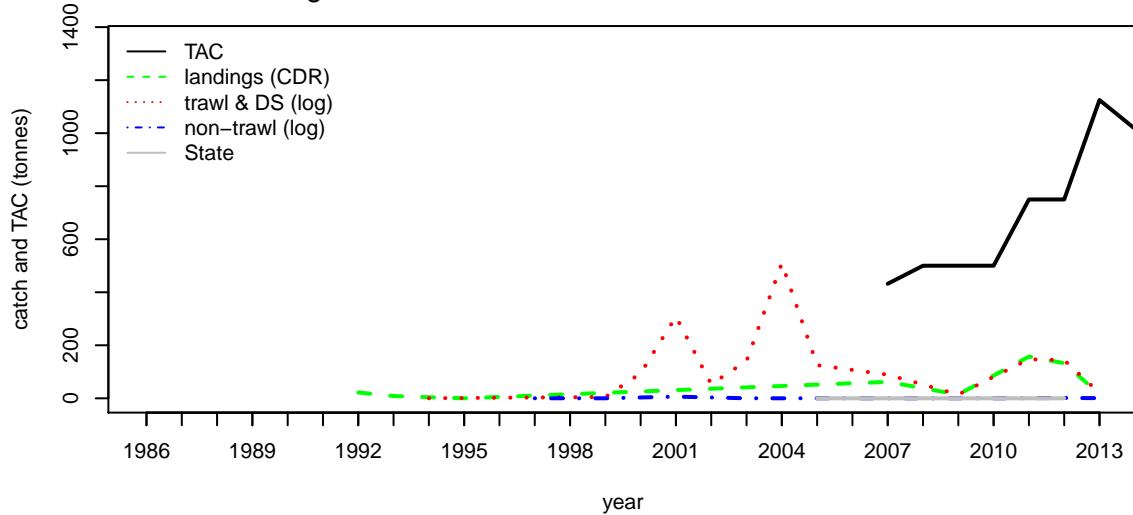
## Onboard discard weight data



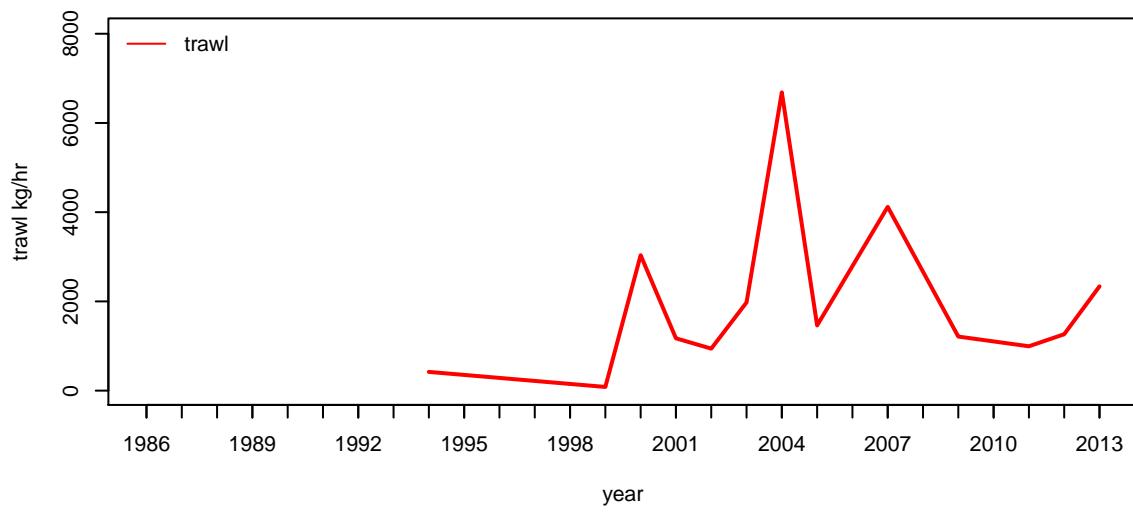
# Alfonsino

Sat Jul 19 16:12:41 2014  
region ECDW unit code ALF  
CAAB 37258002  
start month 1

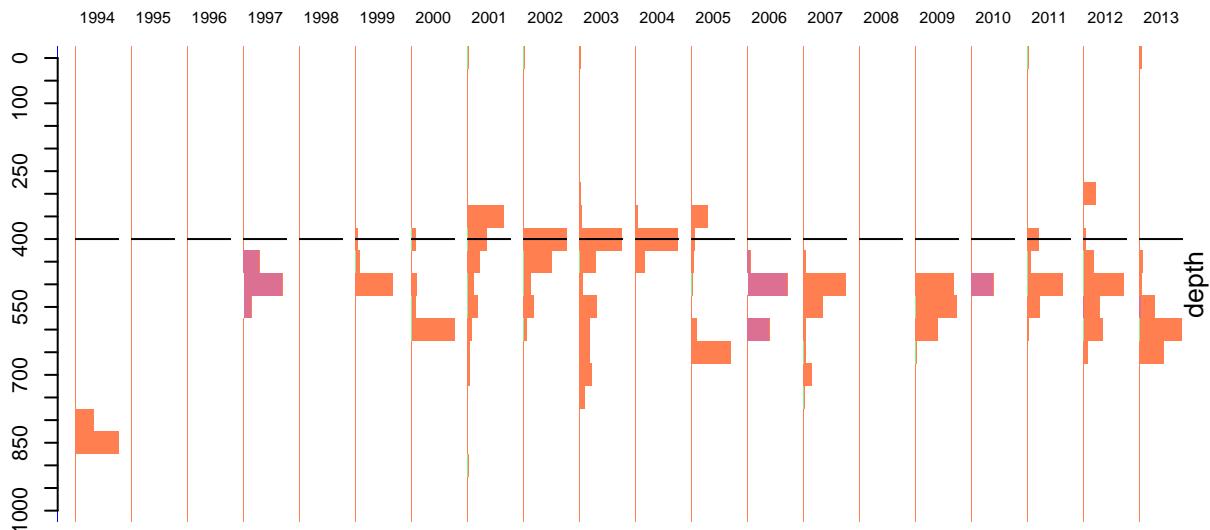
## TAC and landings

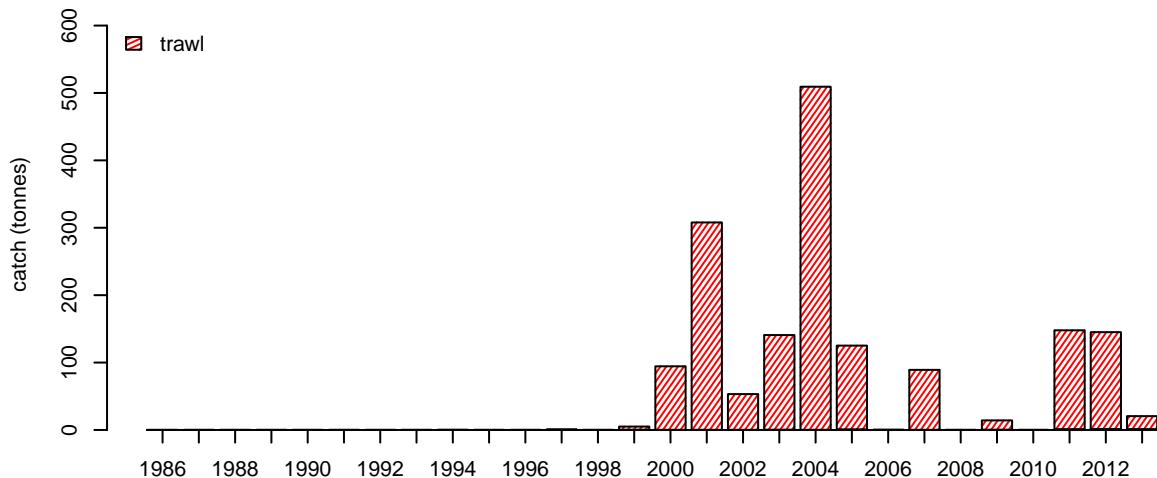
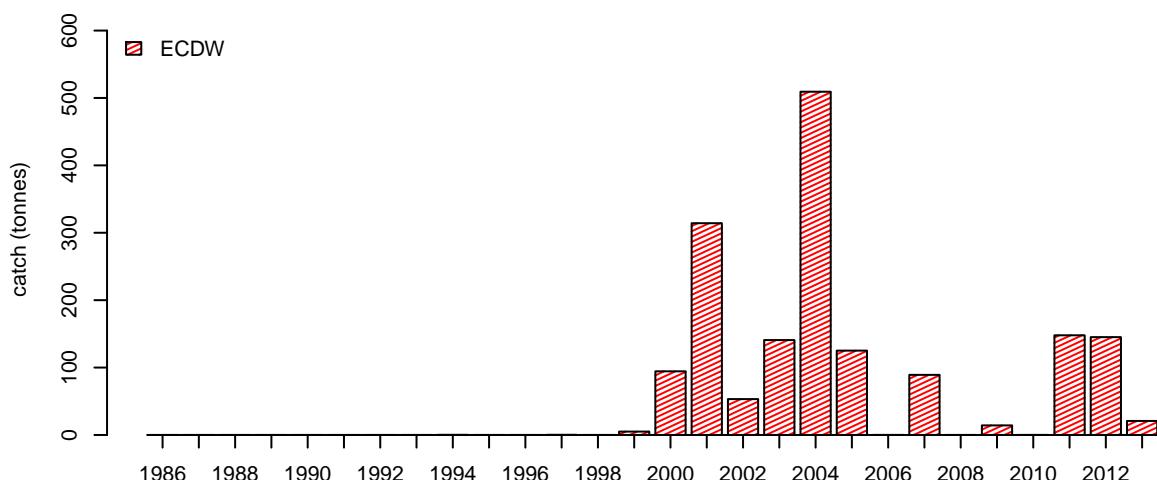
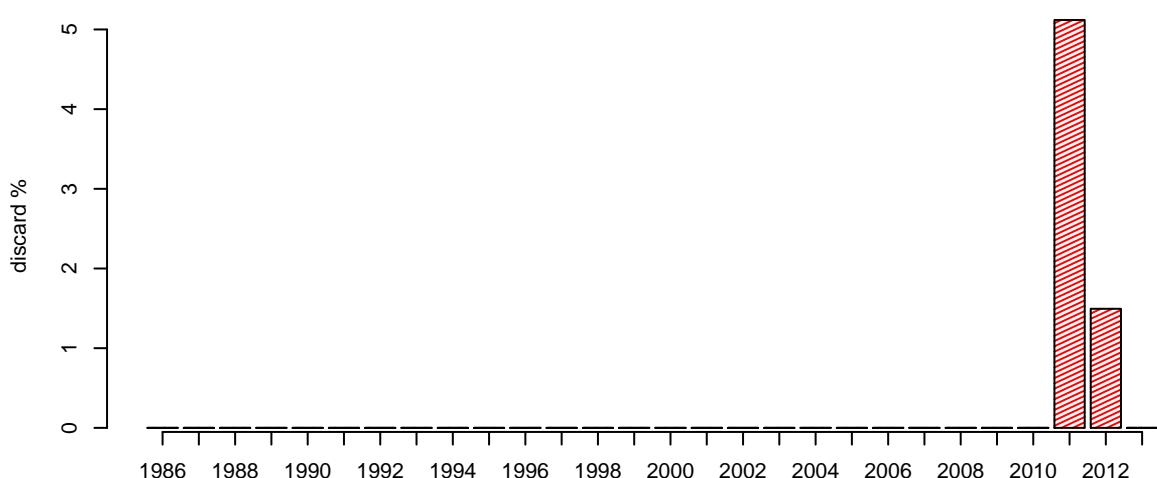


## Geometric mean CPUE

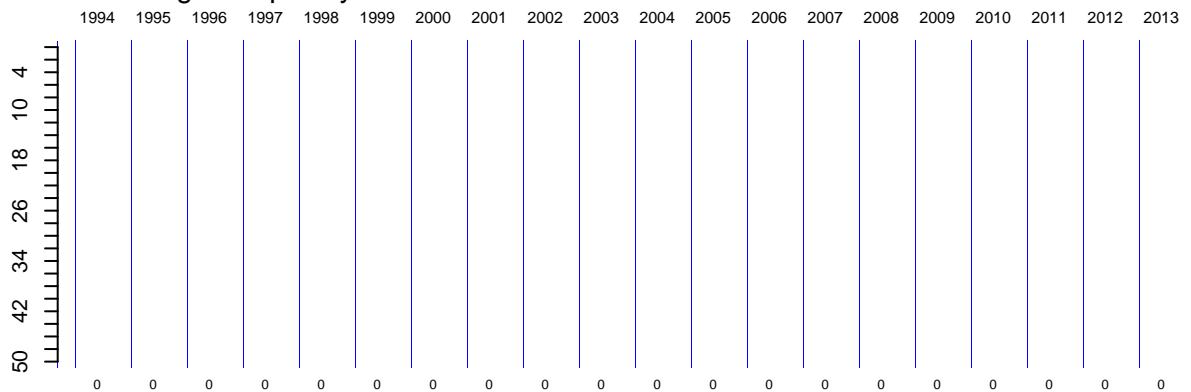


## Catch at depth

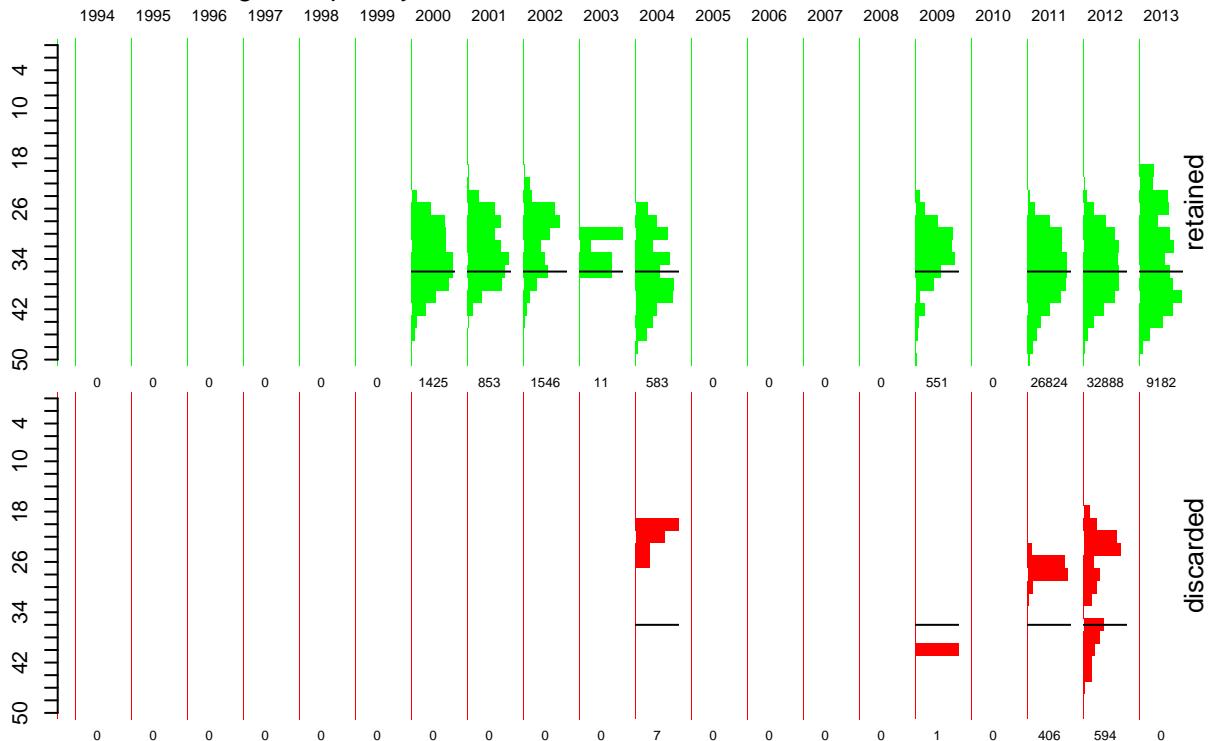


**Catch by gear****Catch by zone****Discards**

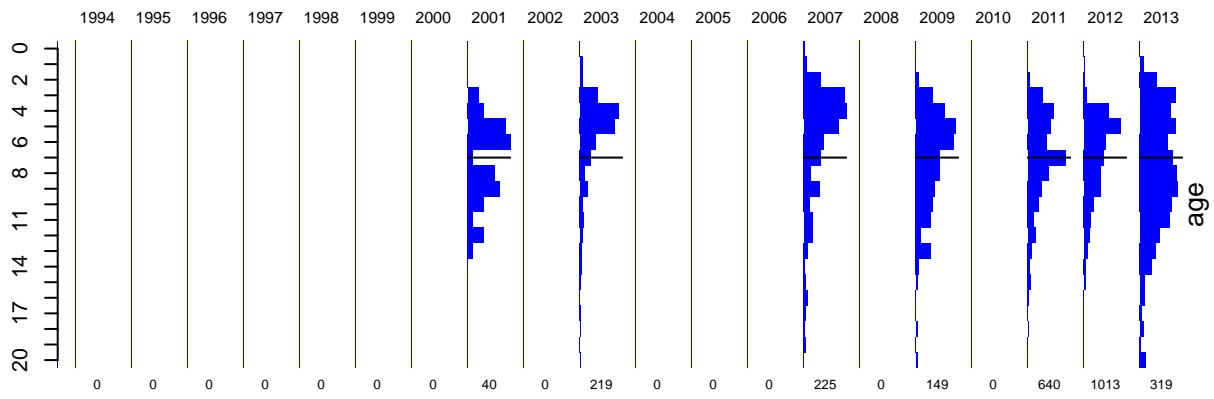
## Port length frequency



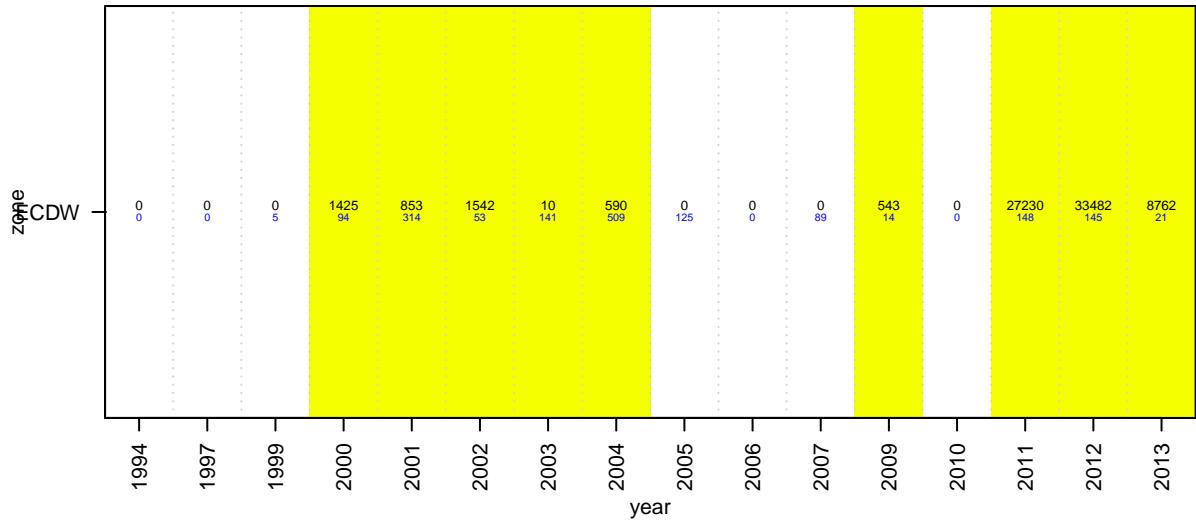
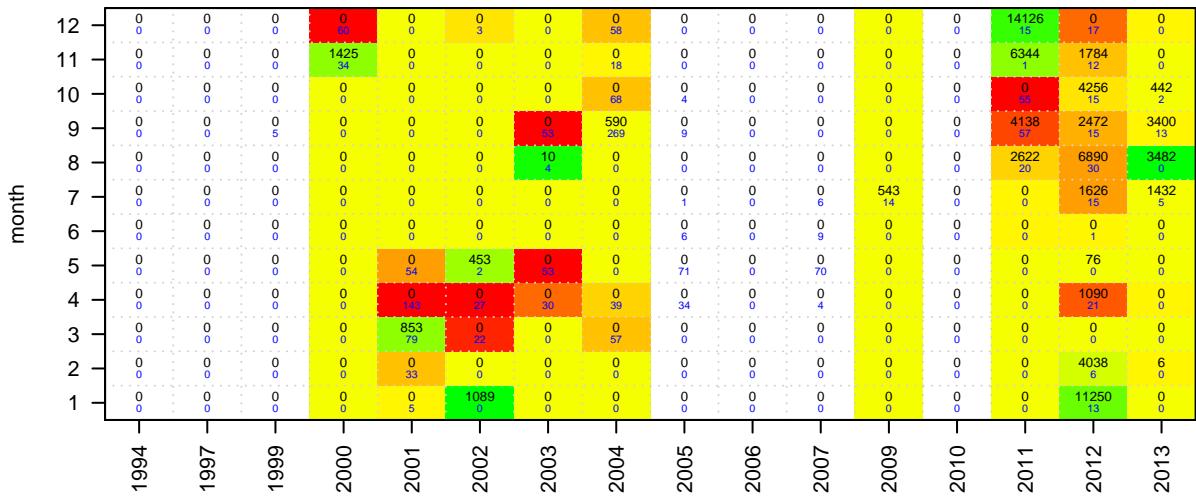
## Onboard length frequency



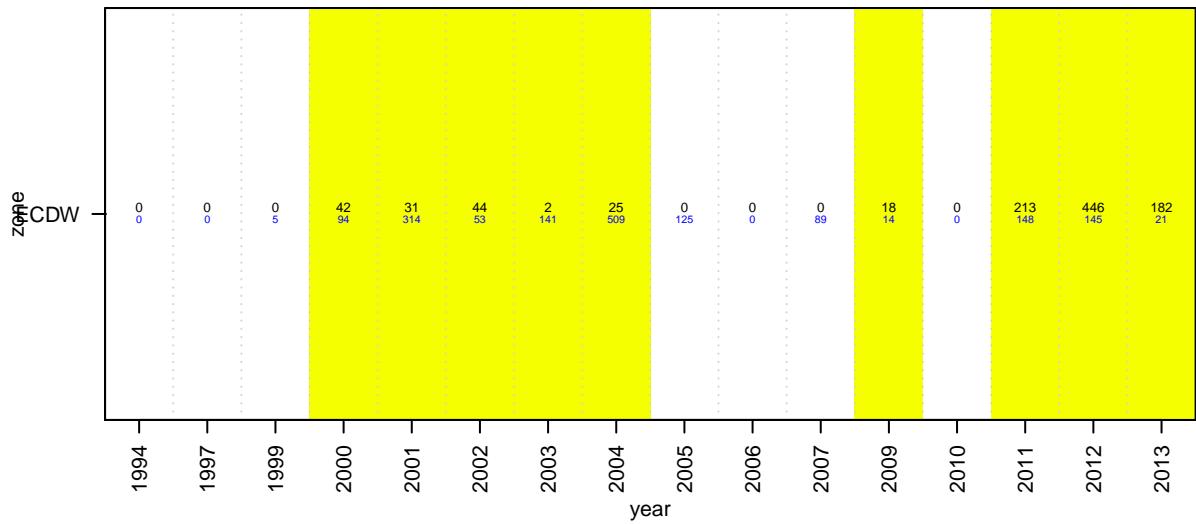
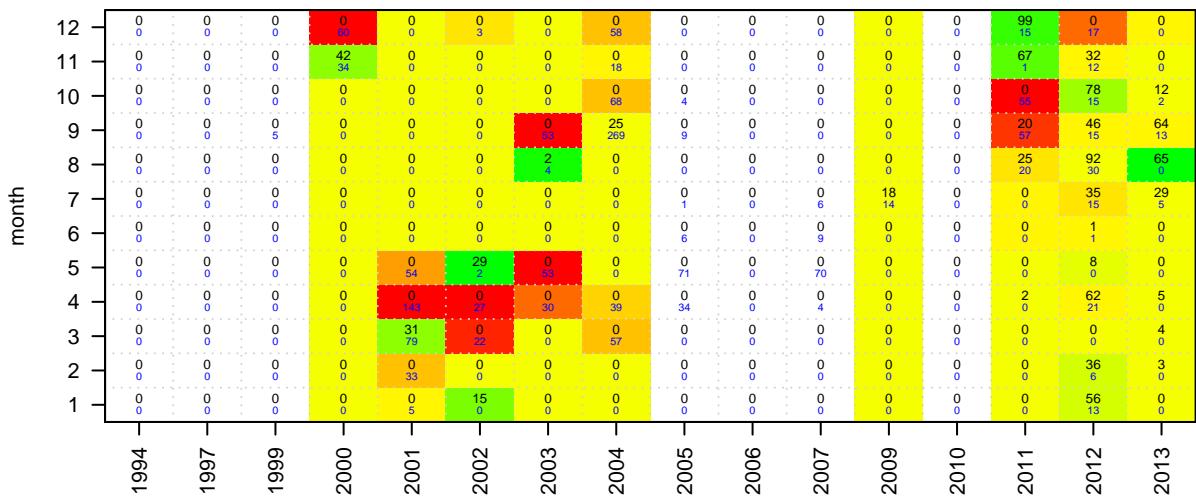
## Age frequency



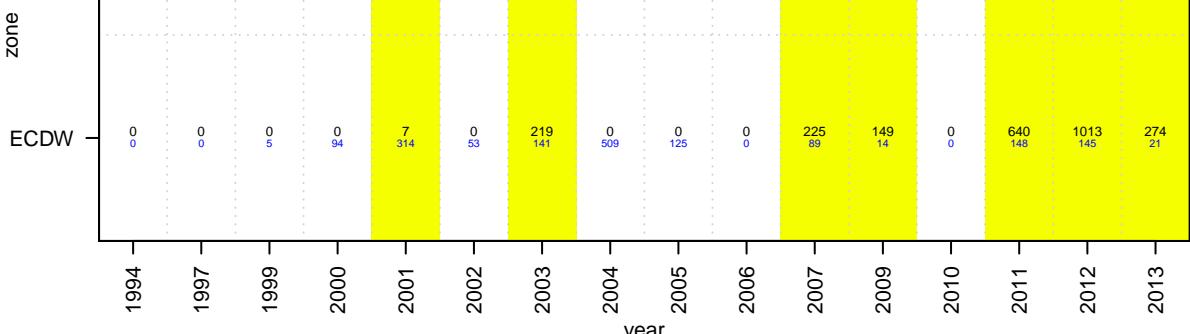
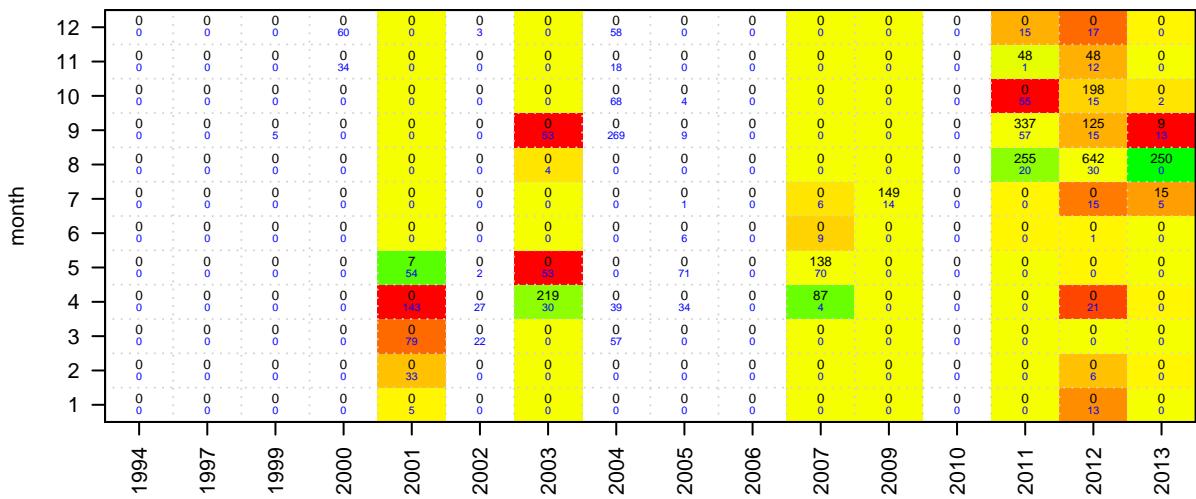
## Onboard length data



## Onboard discard weight data



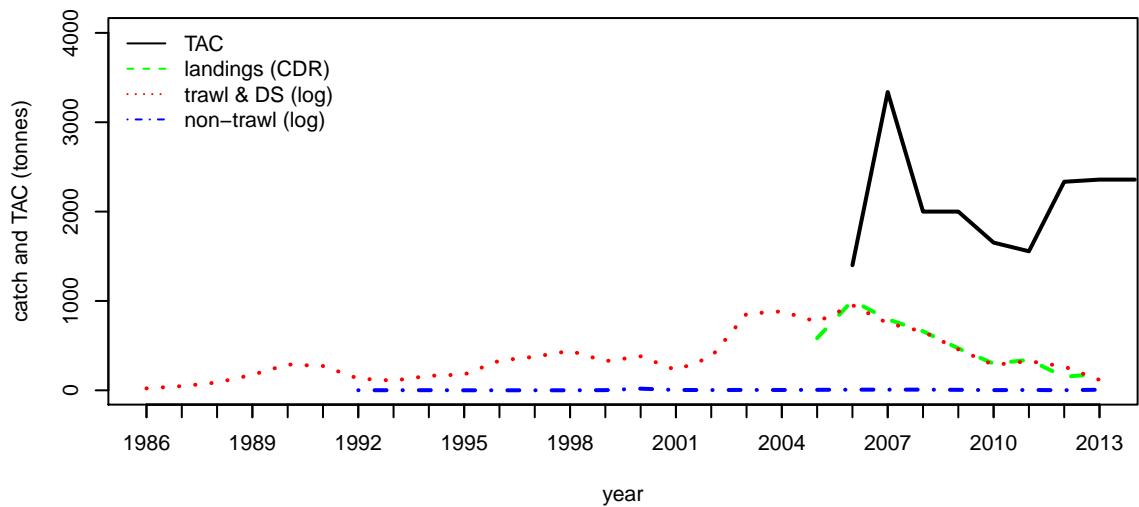
## Age data



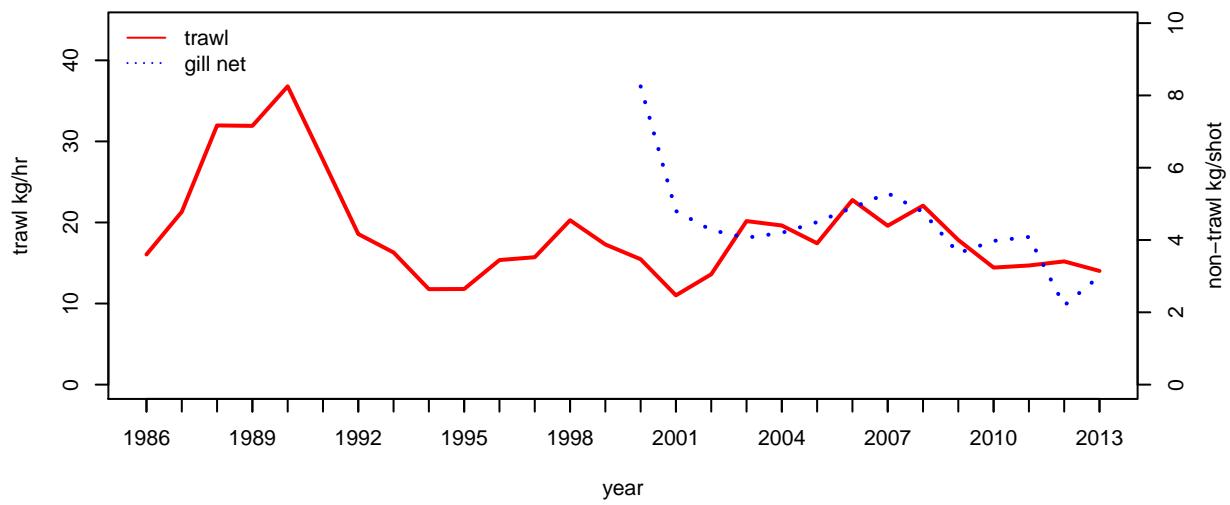
# Bight Redfish

Sat Jul 19 16:14:54 2014  
region GAB unit code REB  
CAAB 37258004  
start month 7

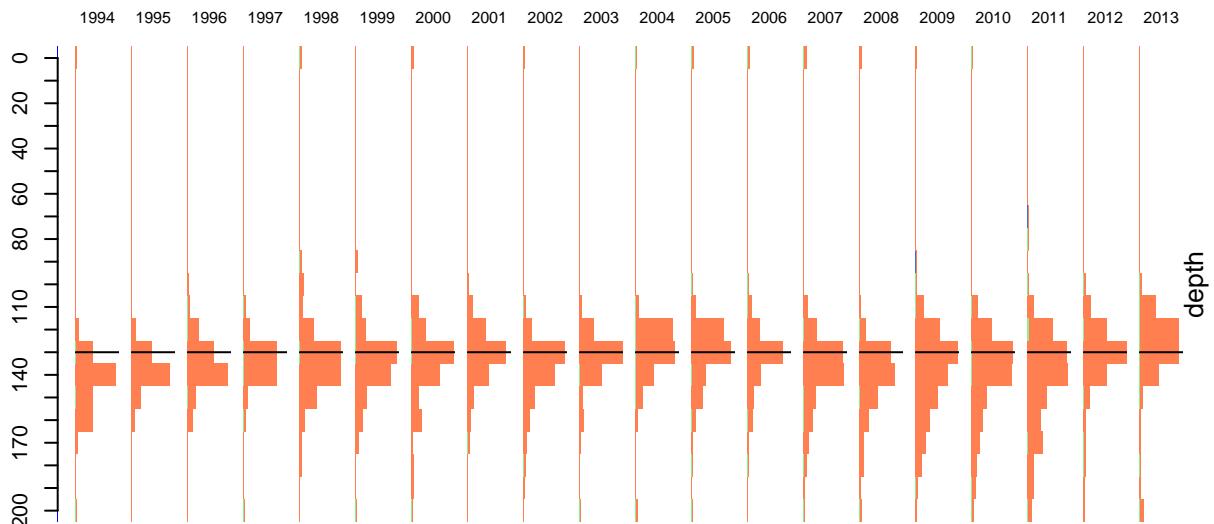
## TAC and landings



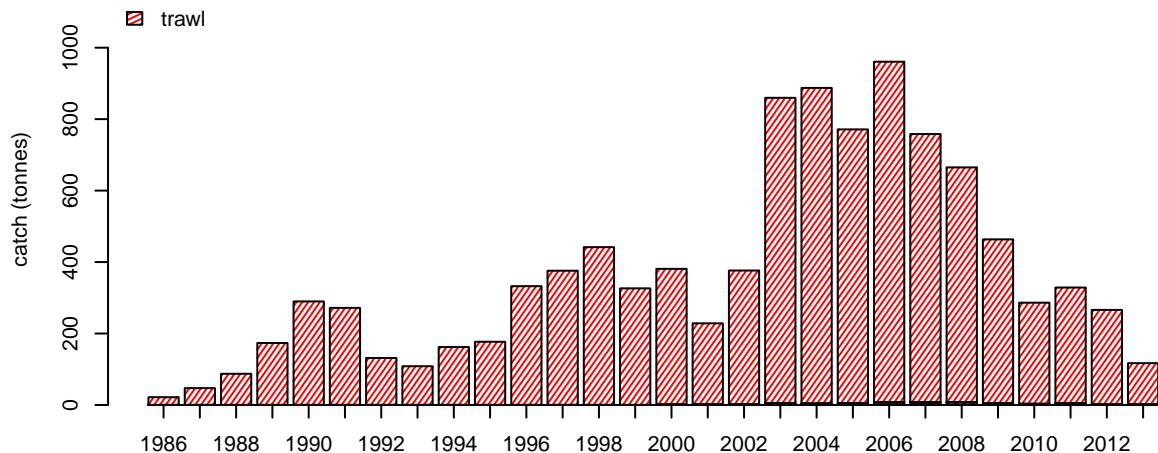
## Geometric mean CPUE



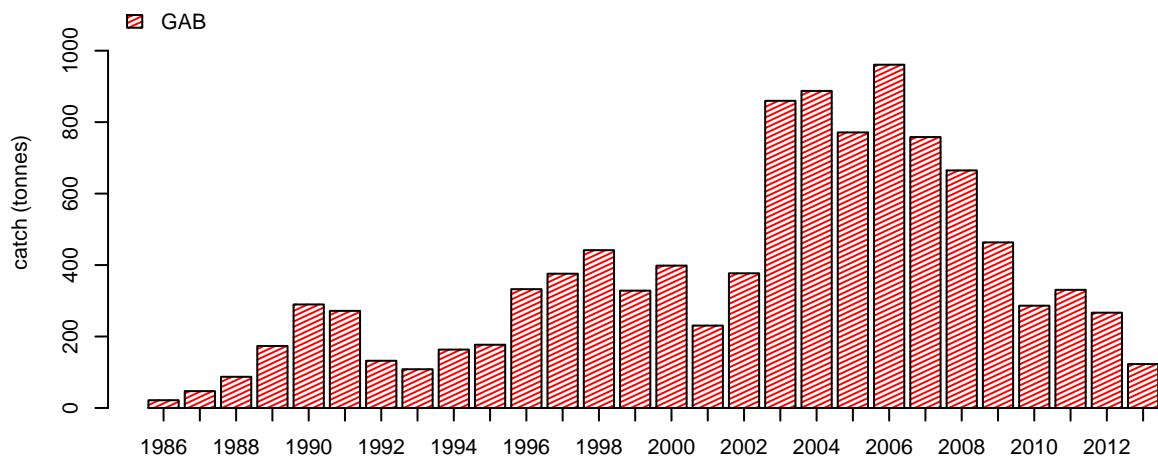
## Catch at depth



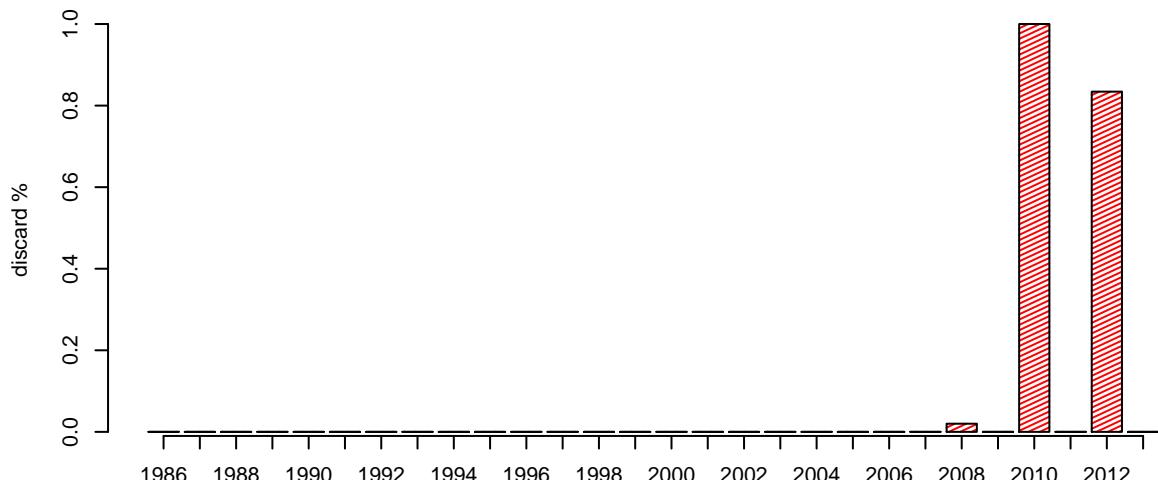
## Catch by gear



## Catch by zone



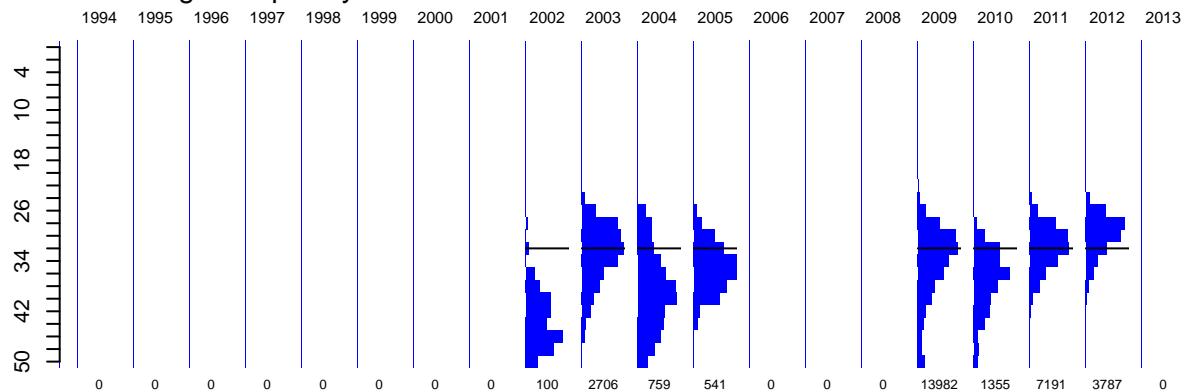
## Discards



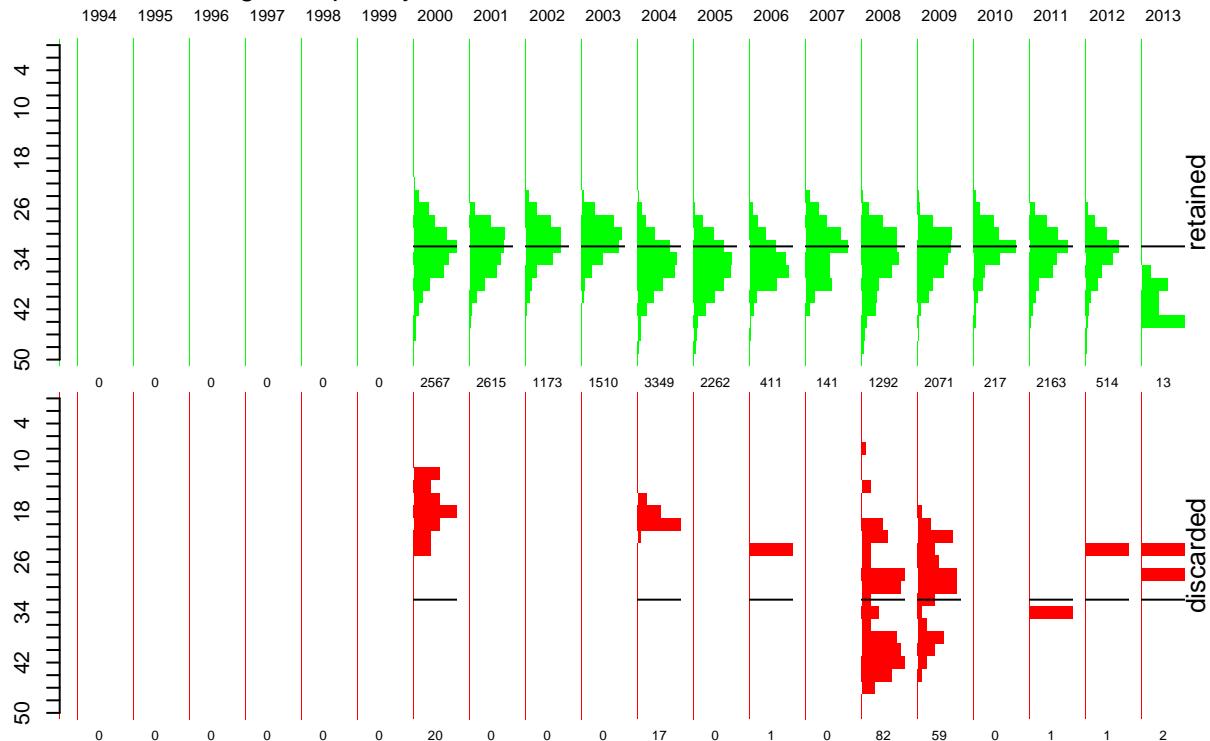
# Bight Redfish

Sat Jul 19 16:15:08 2014

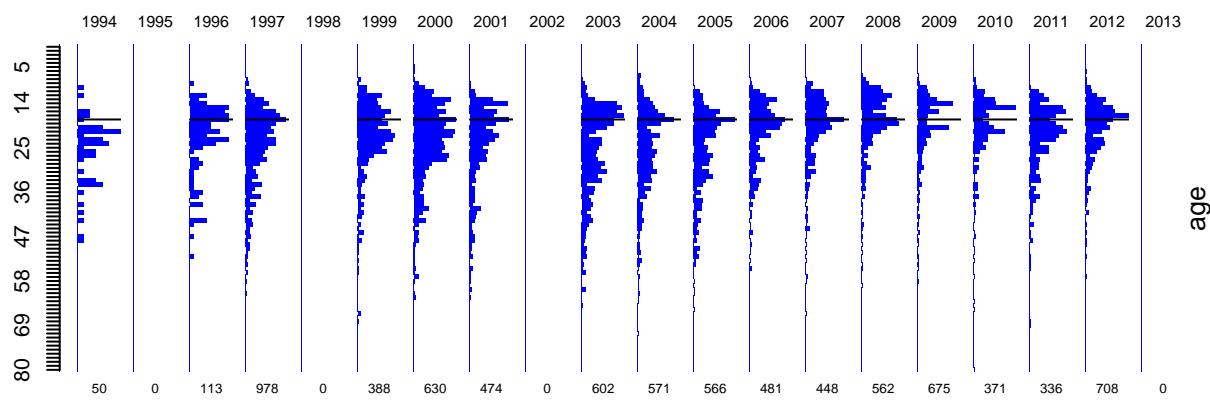
## Port length frequency



## Onboard length frequency



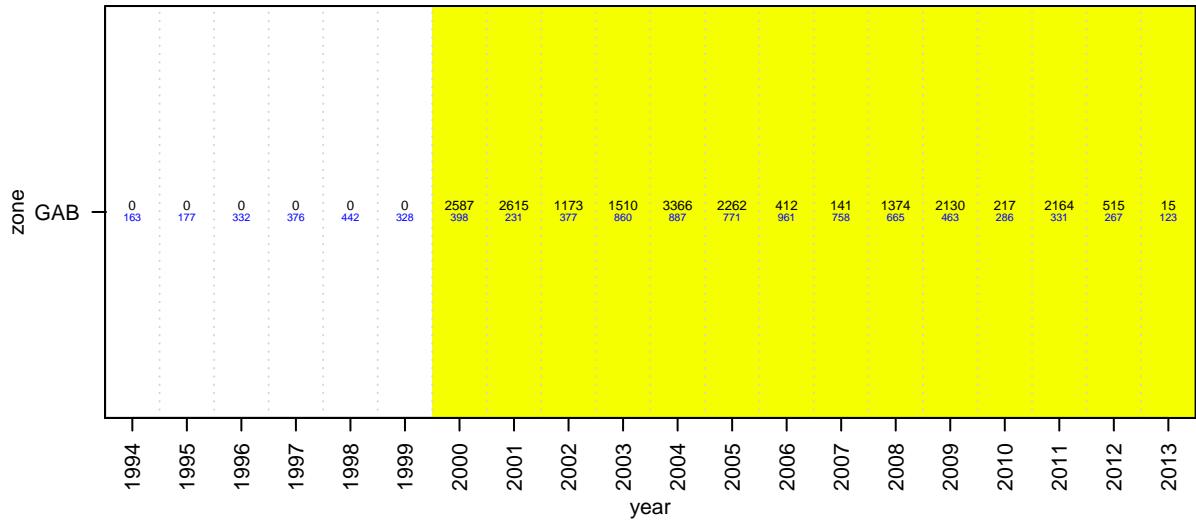
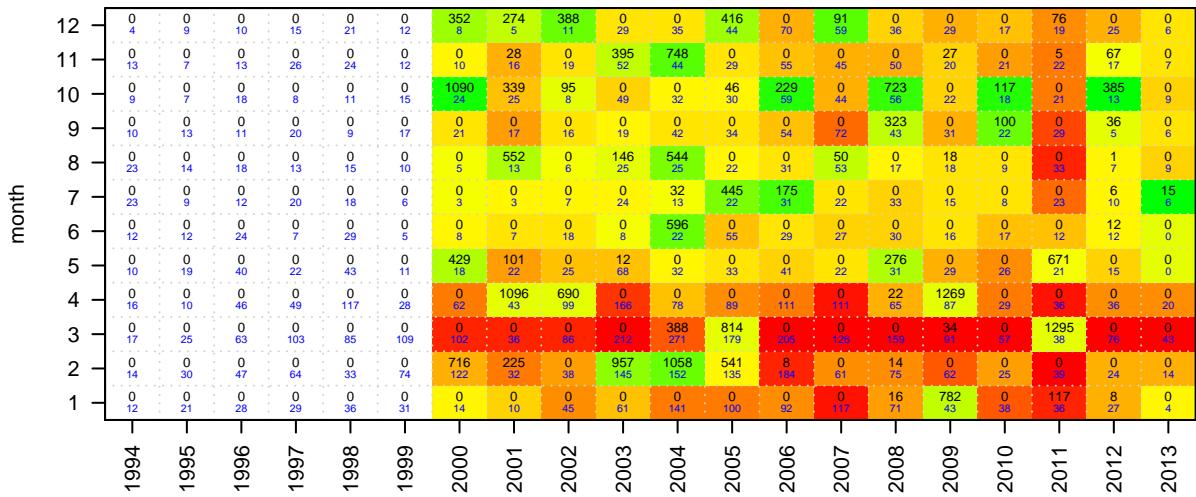
## Age frequency



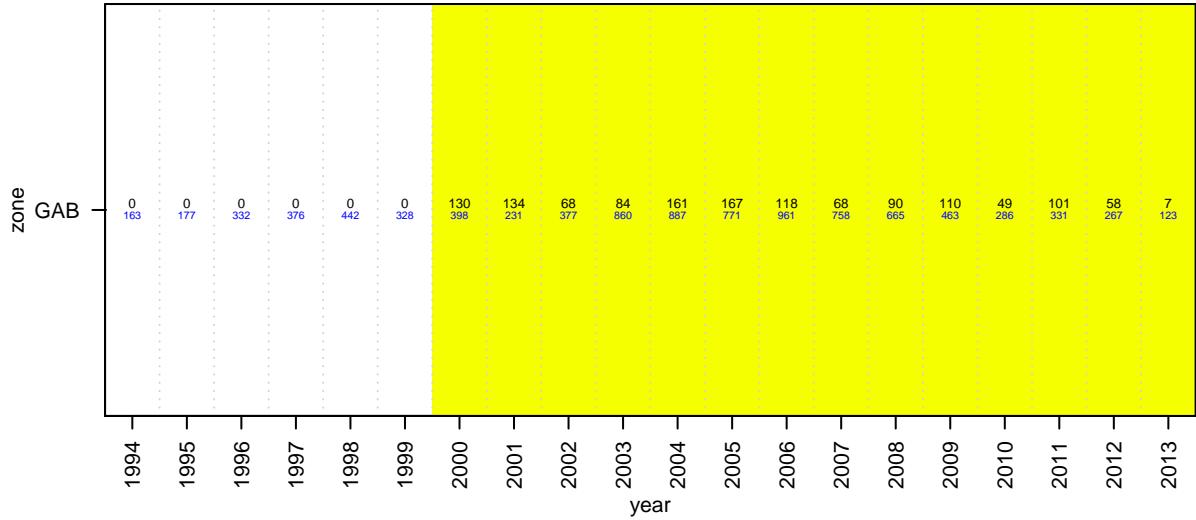
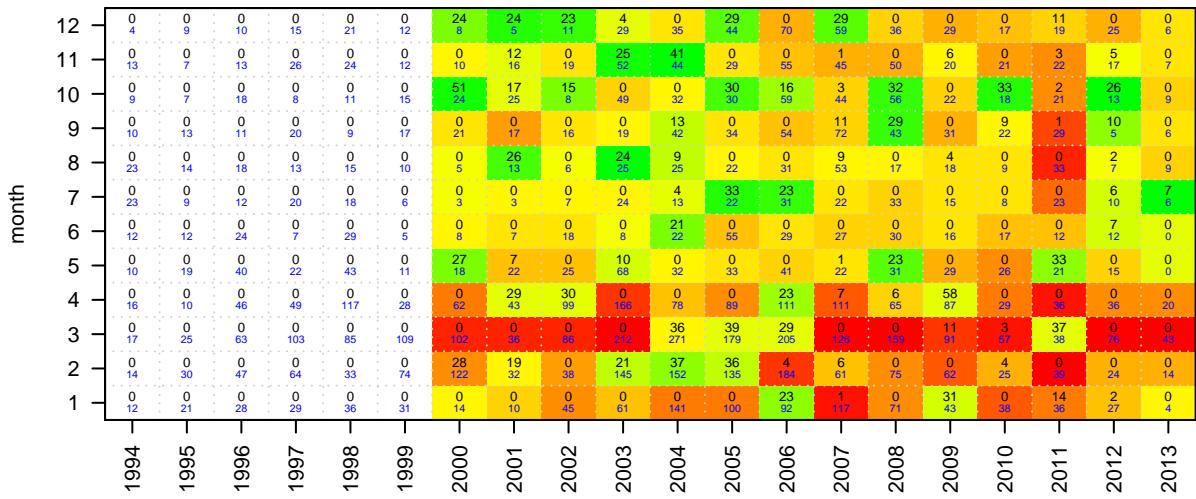
# Bight Redfish

Sat Jul 19 16:15:15 2014

## Onboard length data



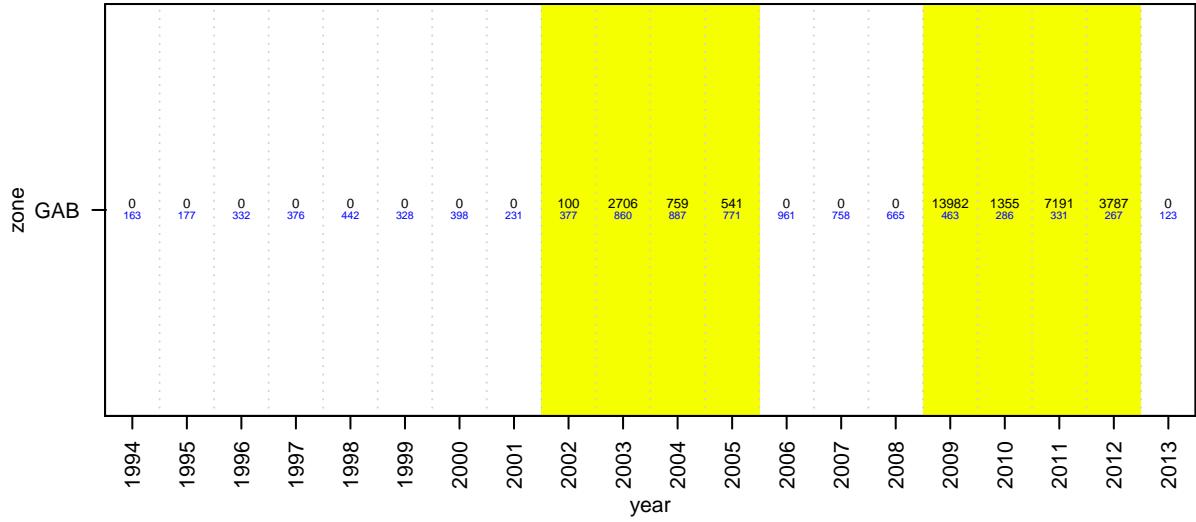
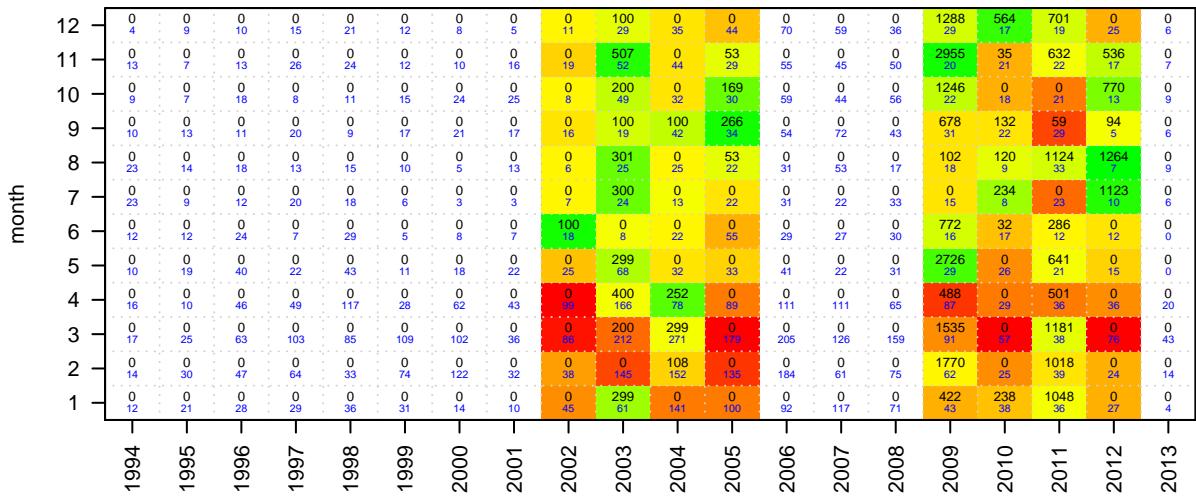
## Onboard discard weight data



# Bight Redfish

Sat Jul 19 16:15:15 2014

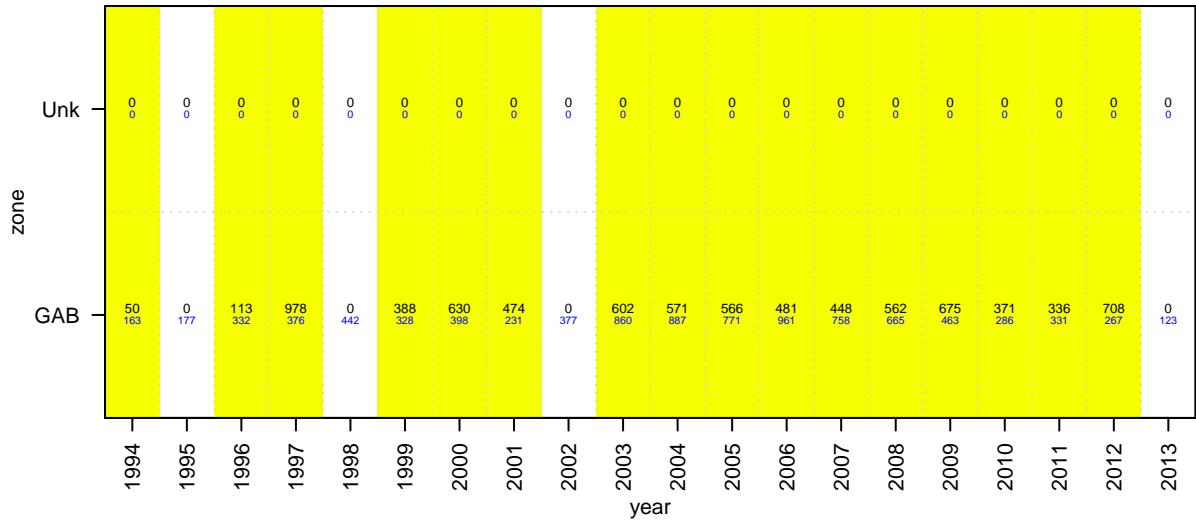
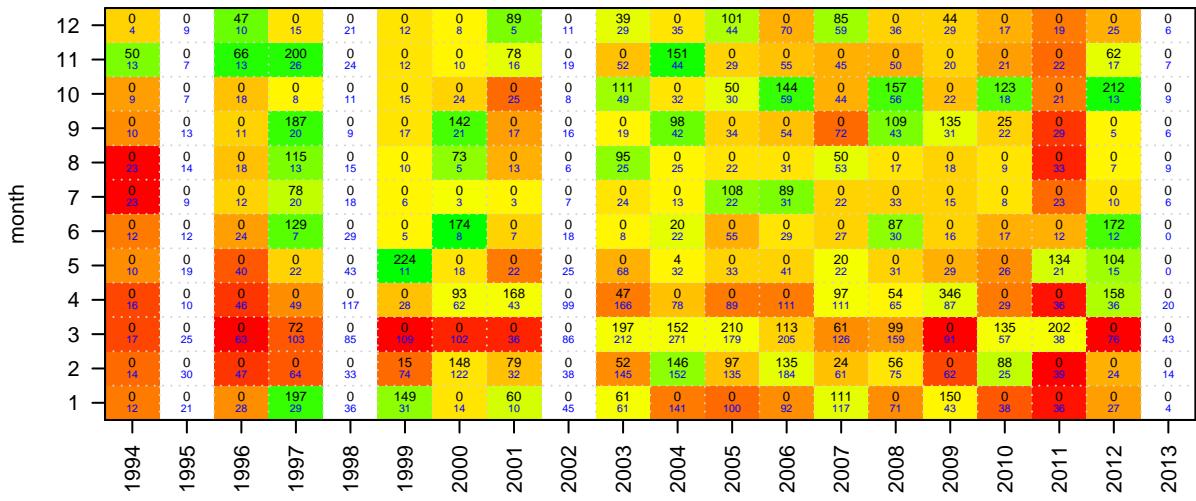
## Port length data



## Bight Redfish

Sat Jul 19 16:15:16 2014

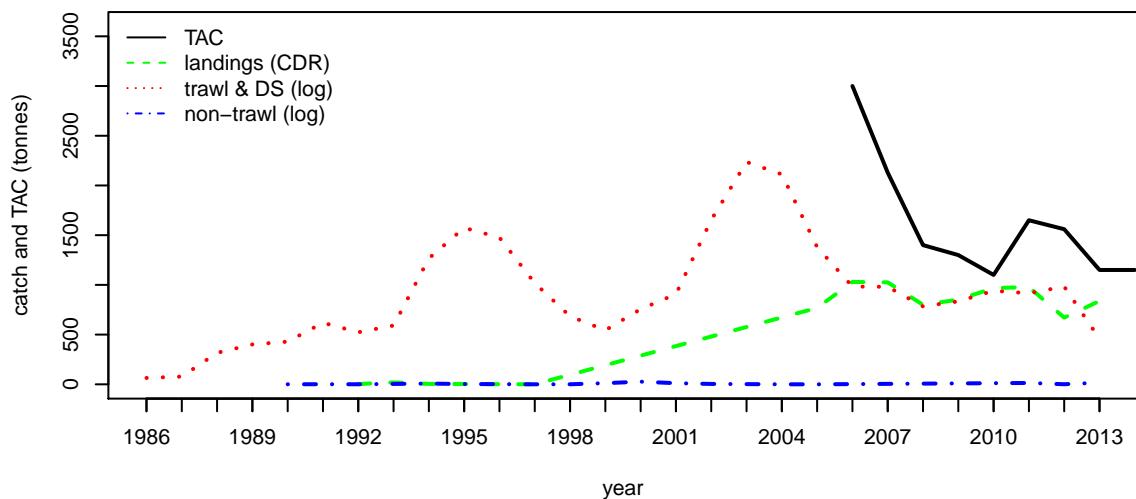
## Age data



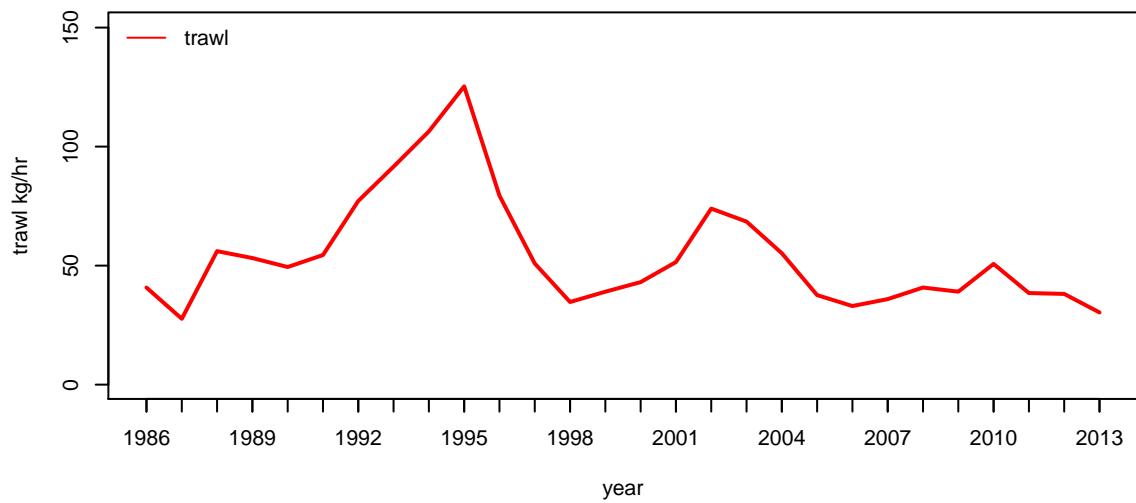
# Deepwater Flathead

Sat Jul 19 16:26:53 2014  
region GAB unit code FLD  
CAAB 37296002  
start month 7

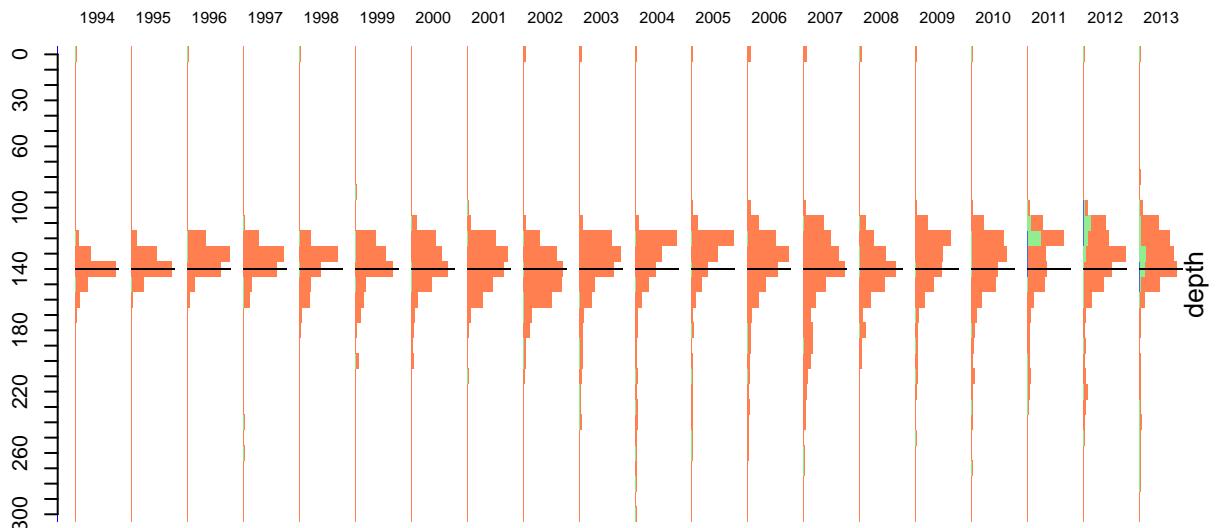
## TAC and landings



## Geometric mean CPUE



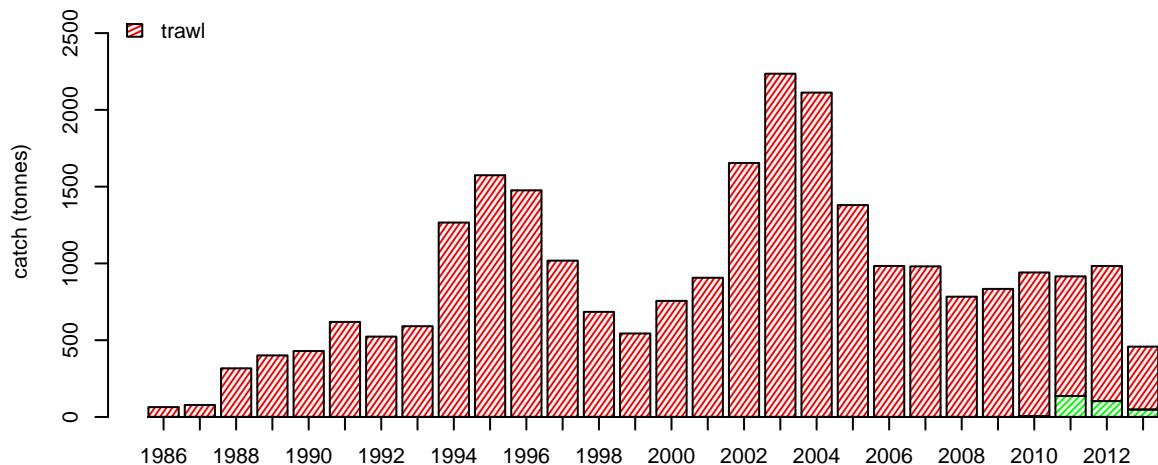
## Catch at depth



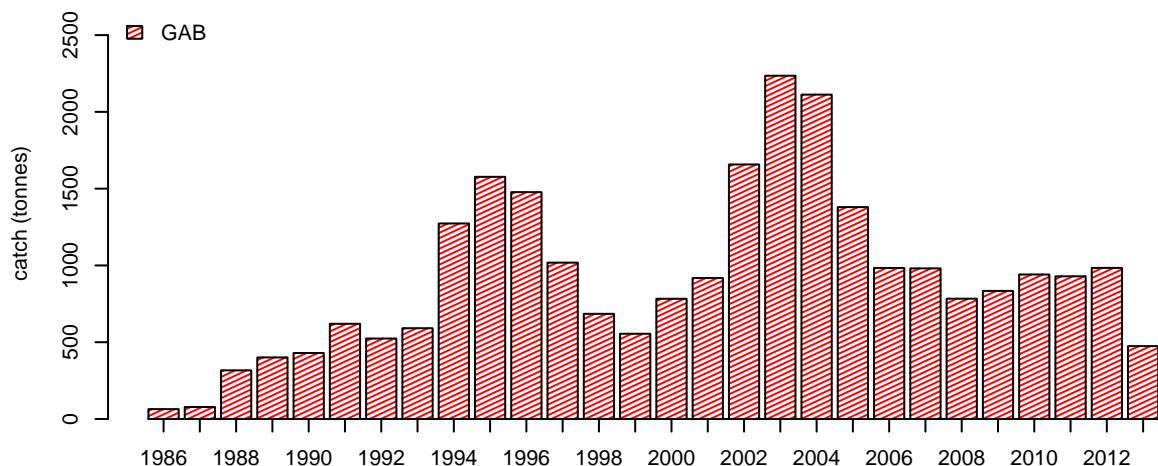
# Deepwater Flathead

Sat Jul 19 16:27:04 2014

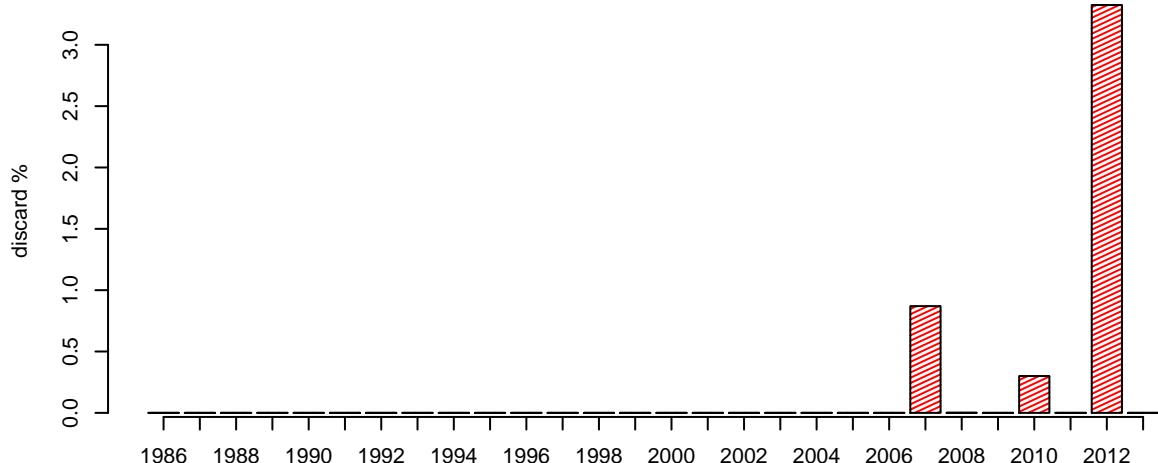
## Catch by gear



## Catch by zone



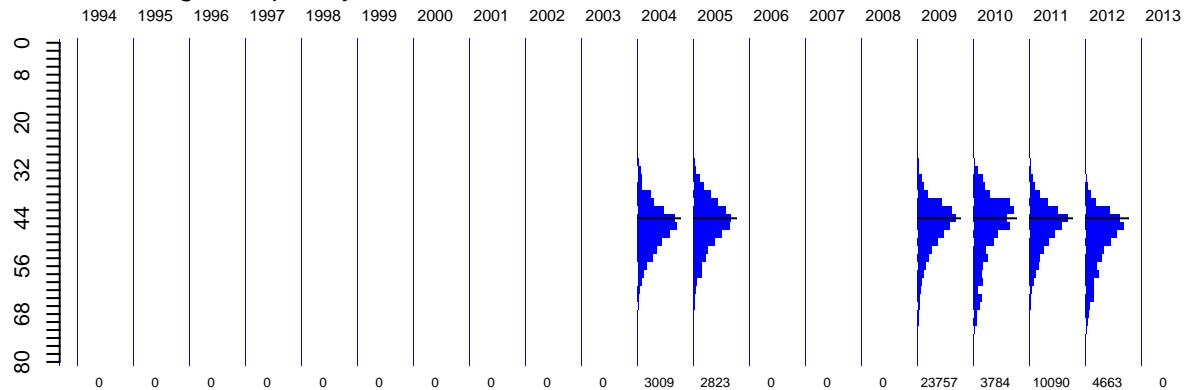
## Discards



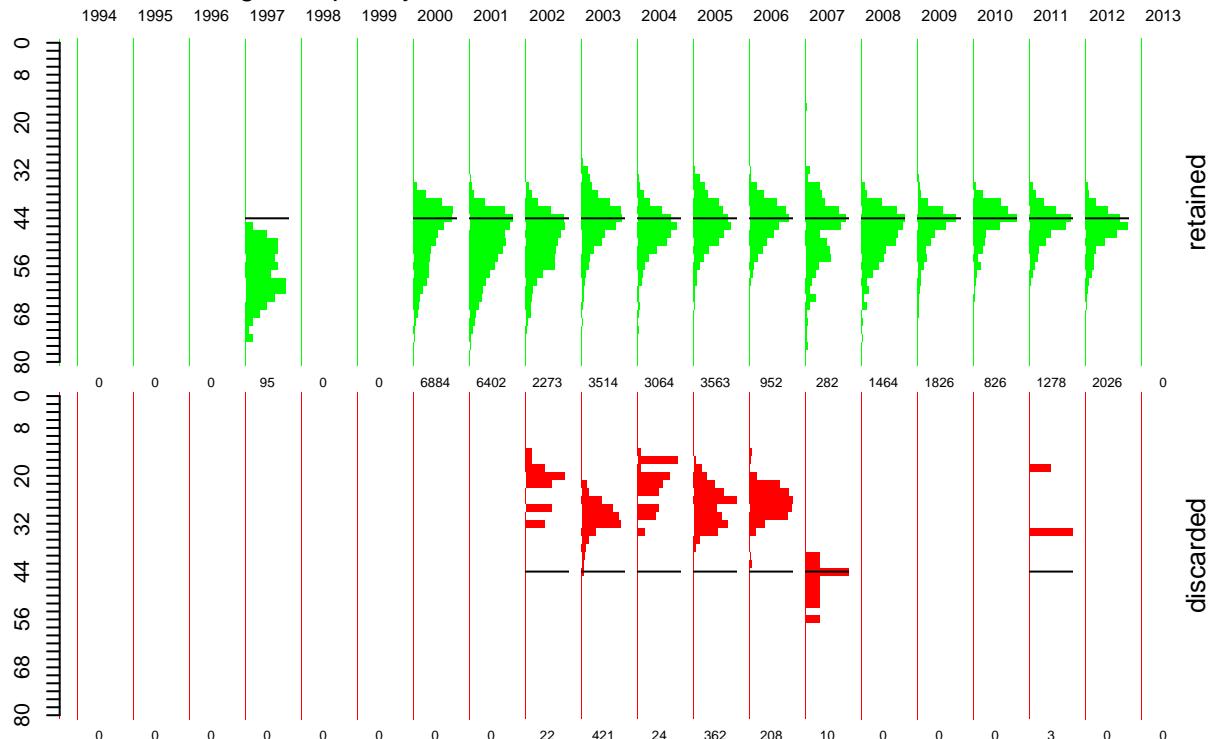
# Deepwater Flathead

Sat Jul 19 16:27:15 2014

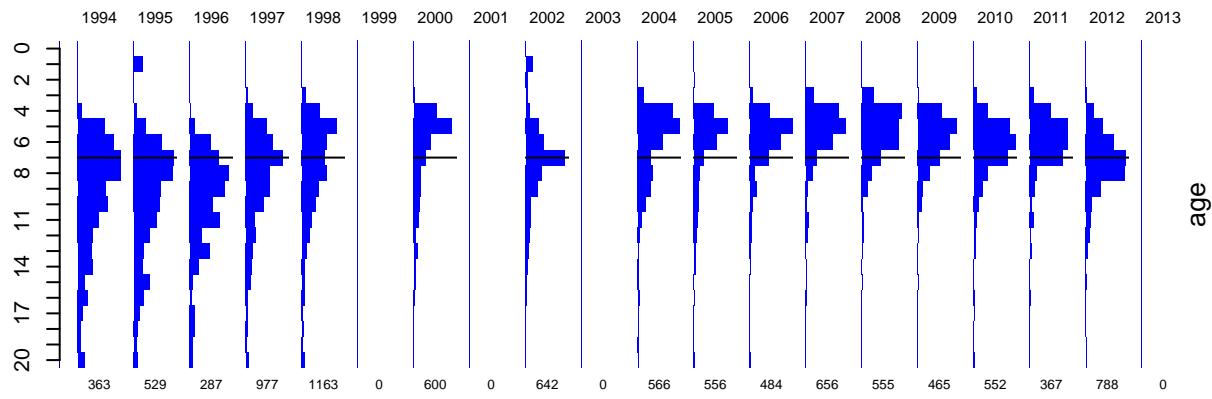
## Port length frequency



## Onboard length frequency



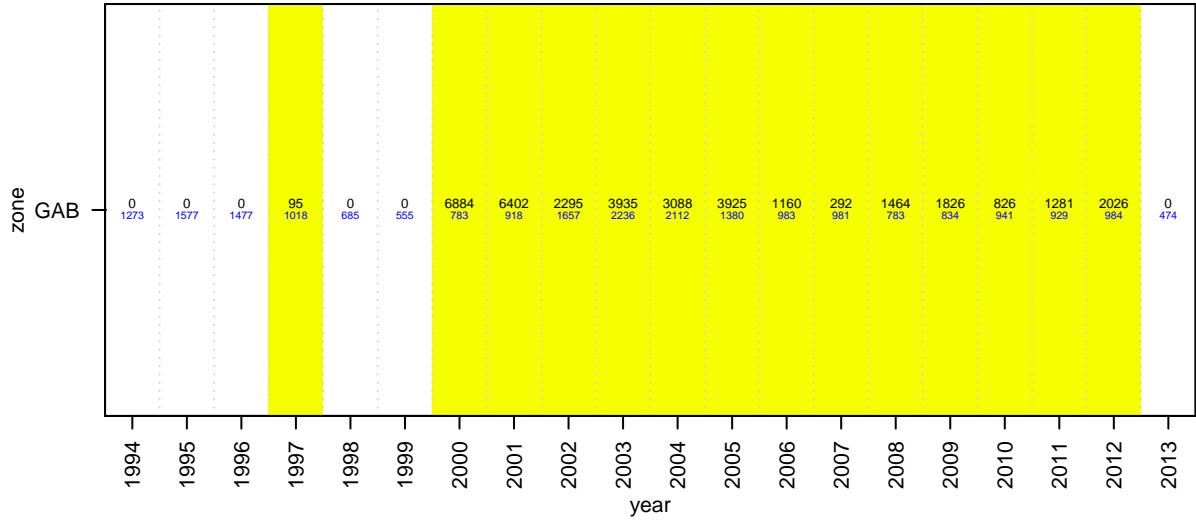
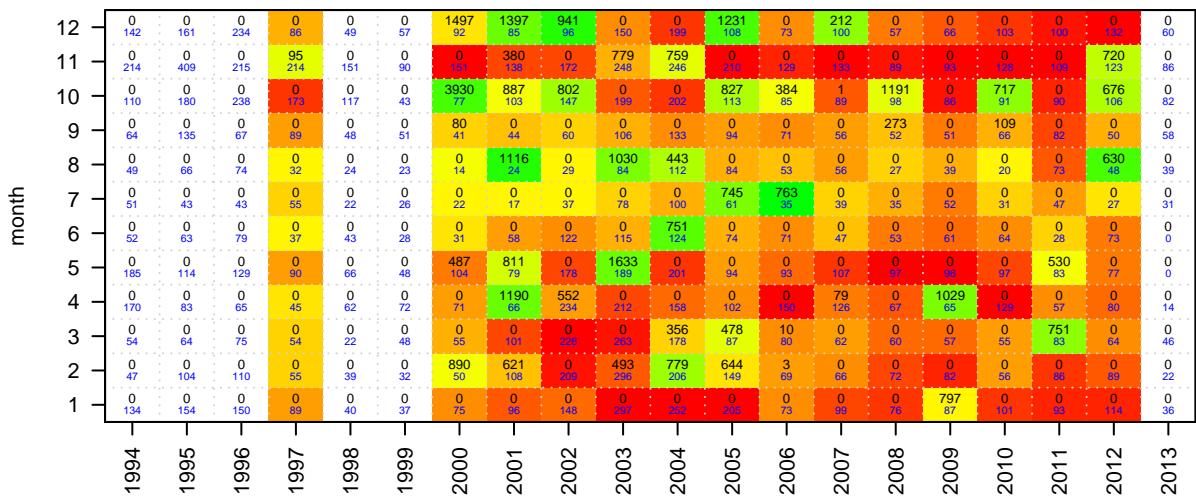
## Age frequency



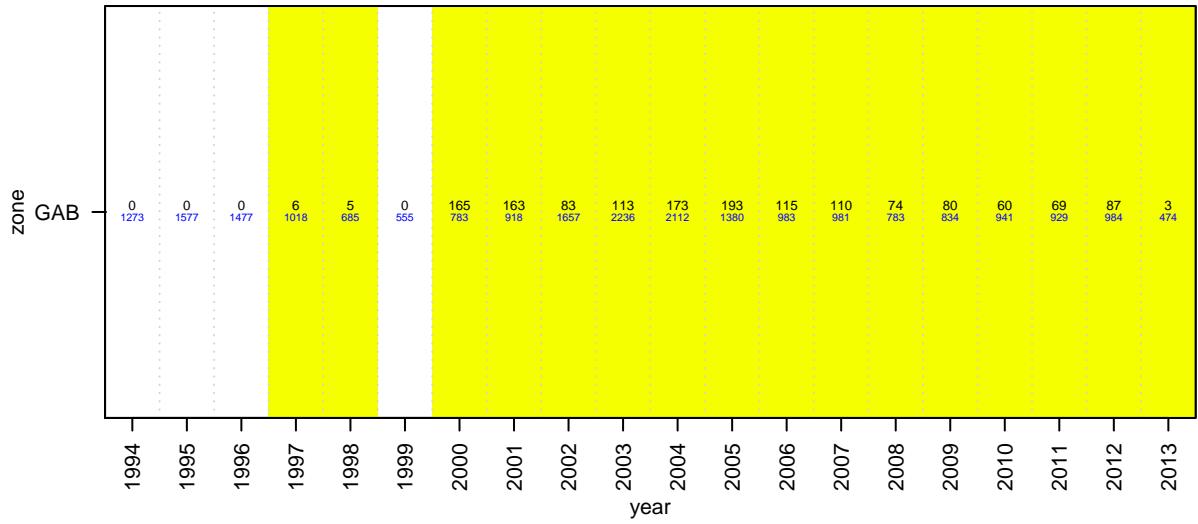
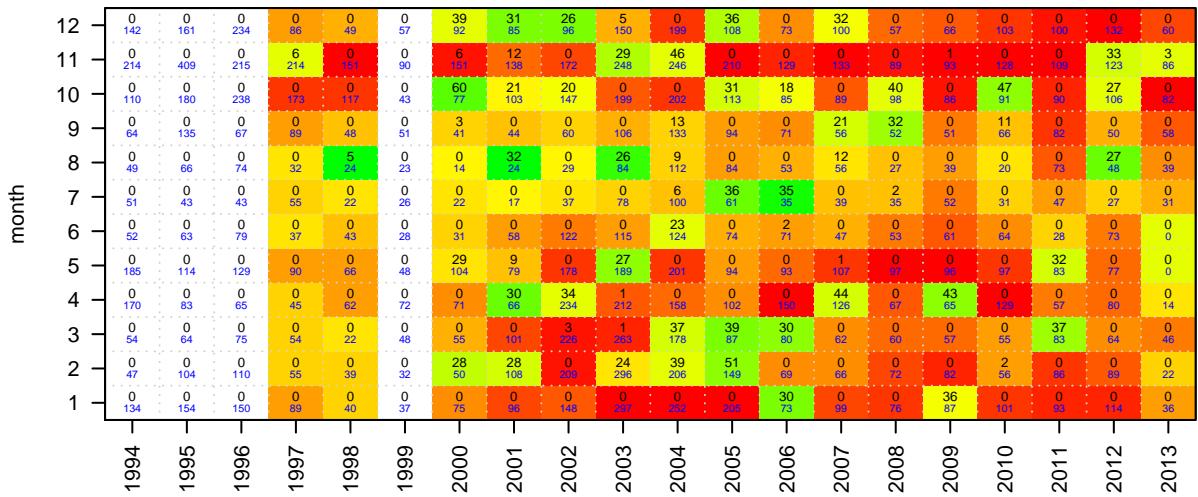
# Deepwater Flathead

Sat Jul 19 16:27:26 2014

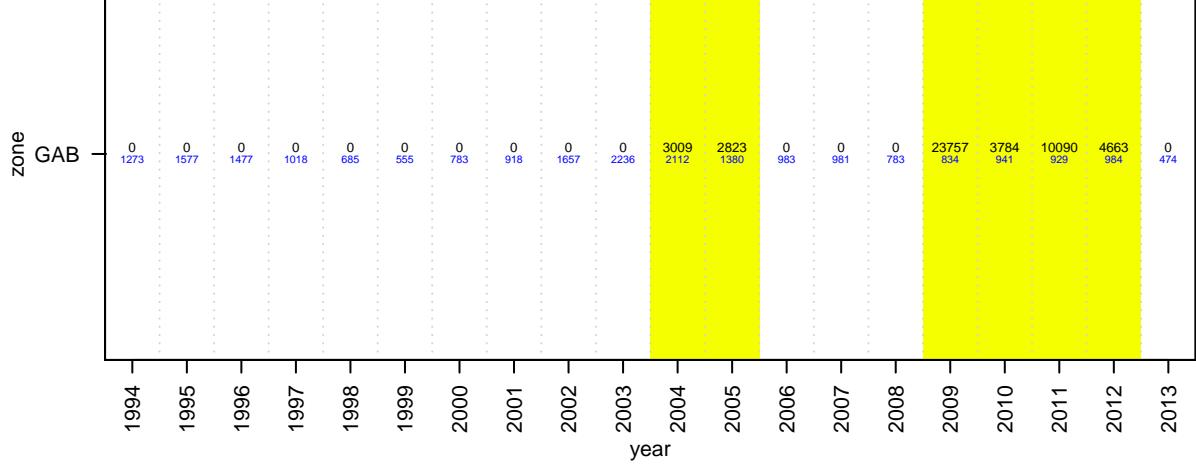
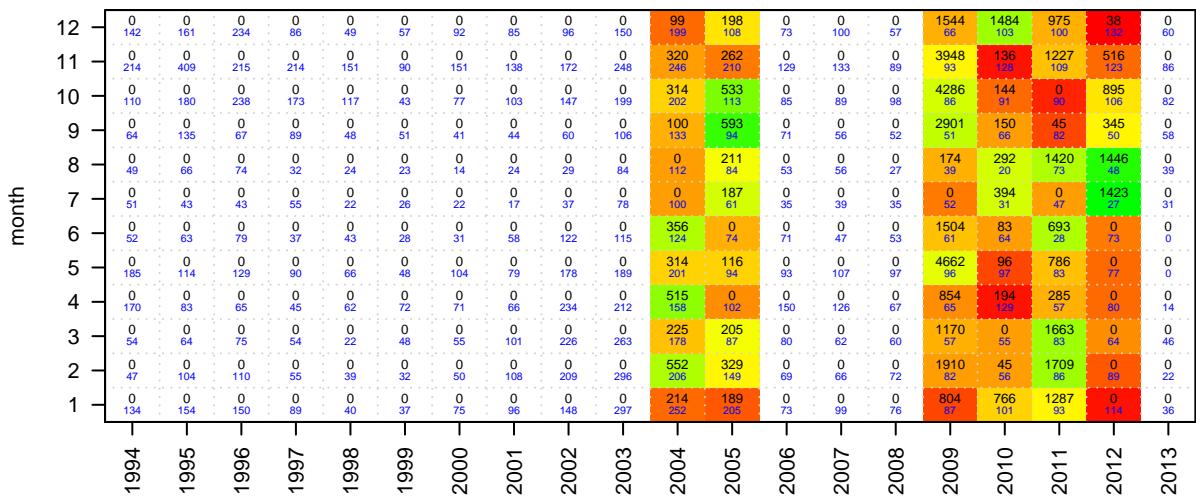
## Onboard length data



## Onboard discard weight data



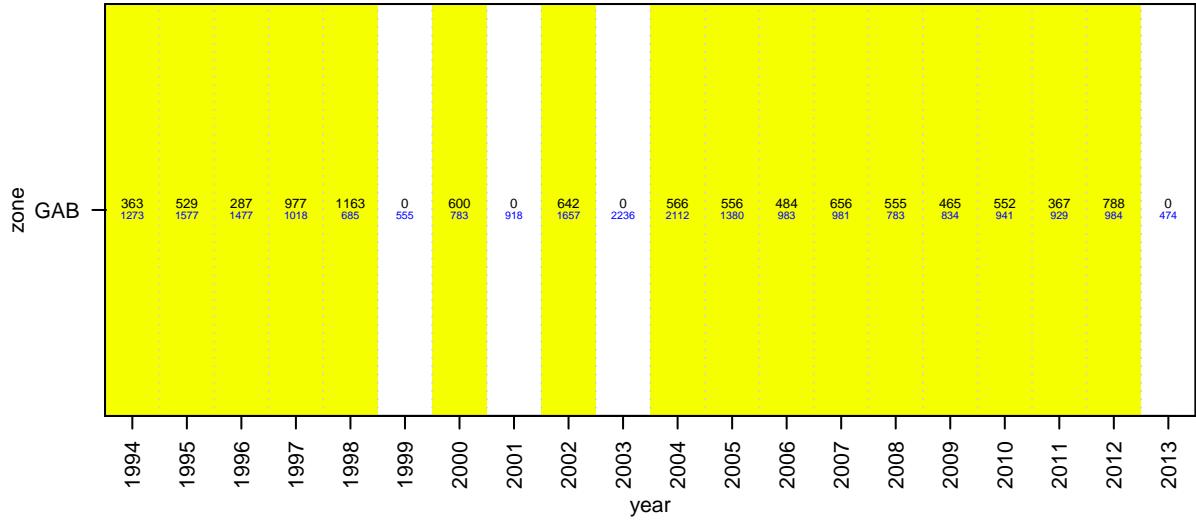
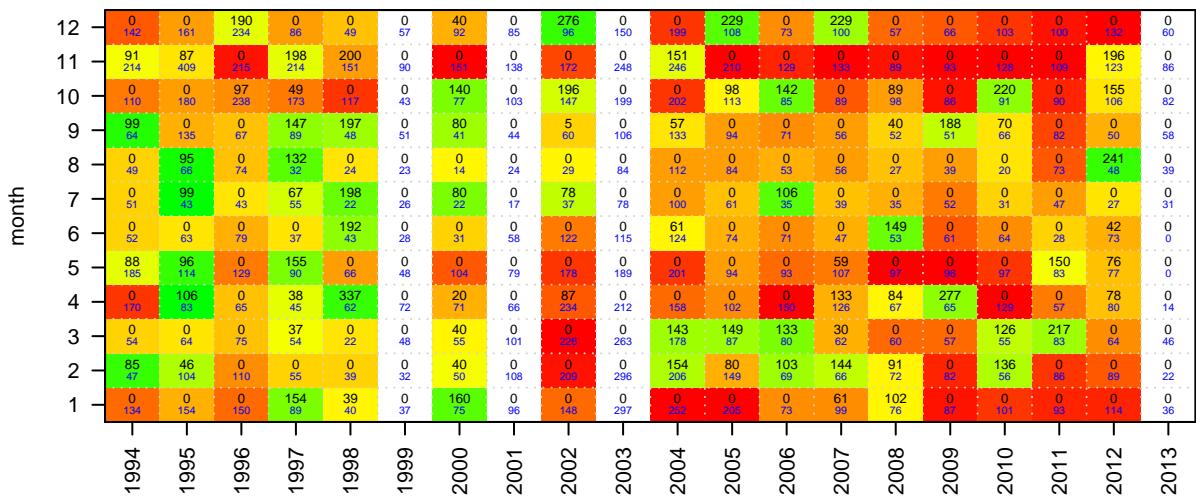
## Port length data



# Deepwater Flathead

Sat Jul 19 16:27:27 2014

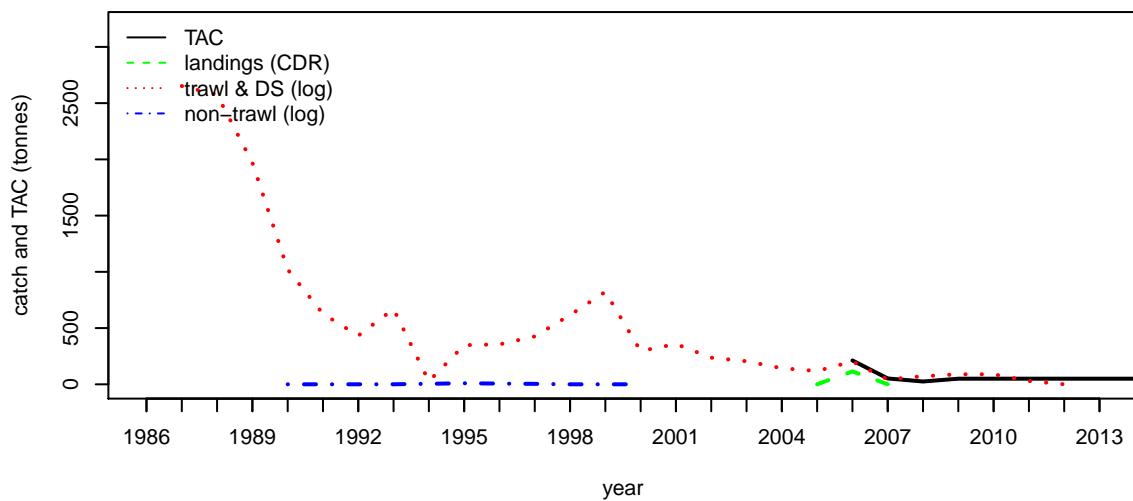
## Age data



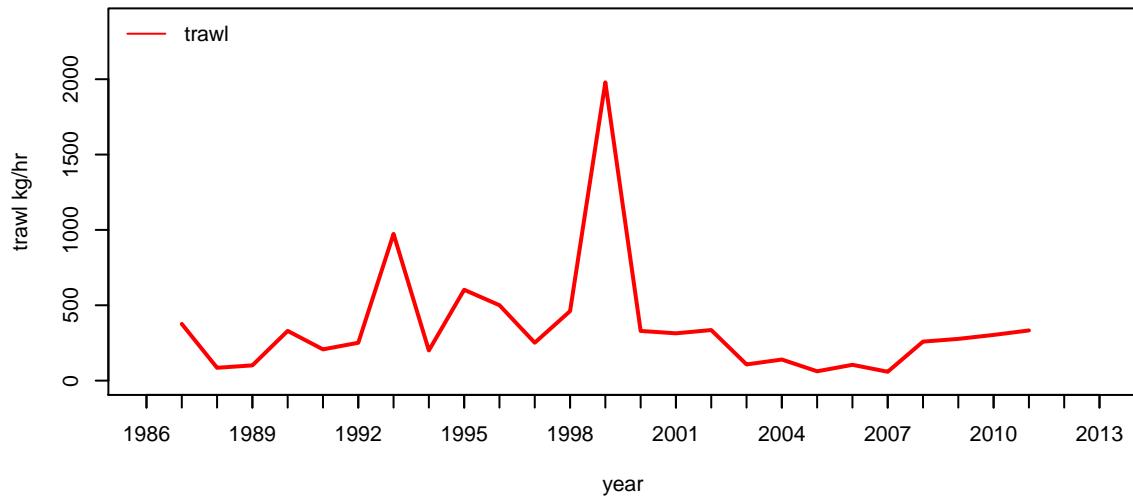
# Orange Roughy GAB

Sat Jul 19 16:28:56 2014  
region GAB unit code ORG  
CAAB 37255009  
start month 7

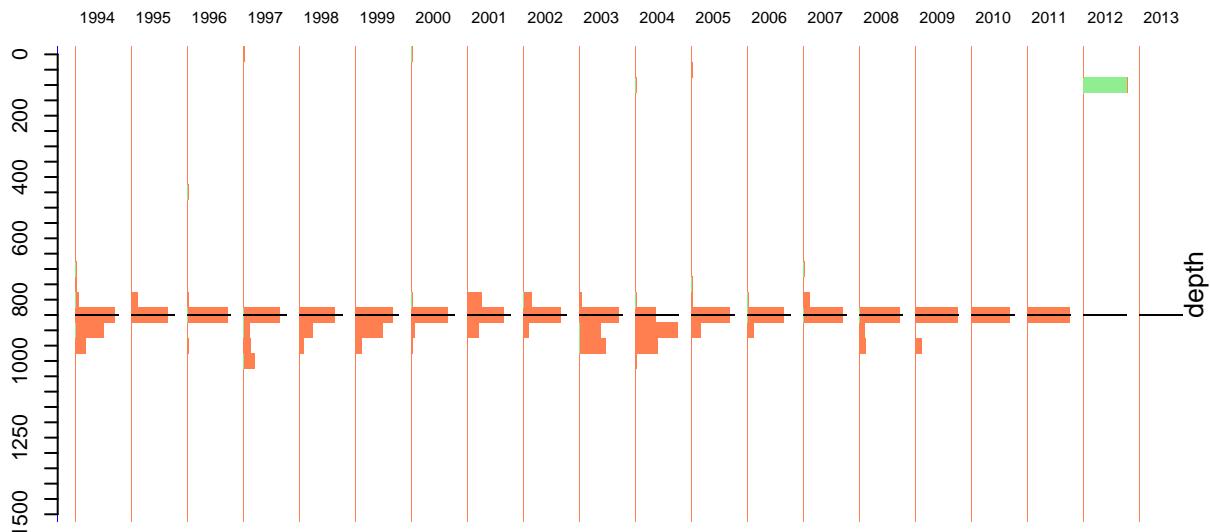
## TAC and landings



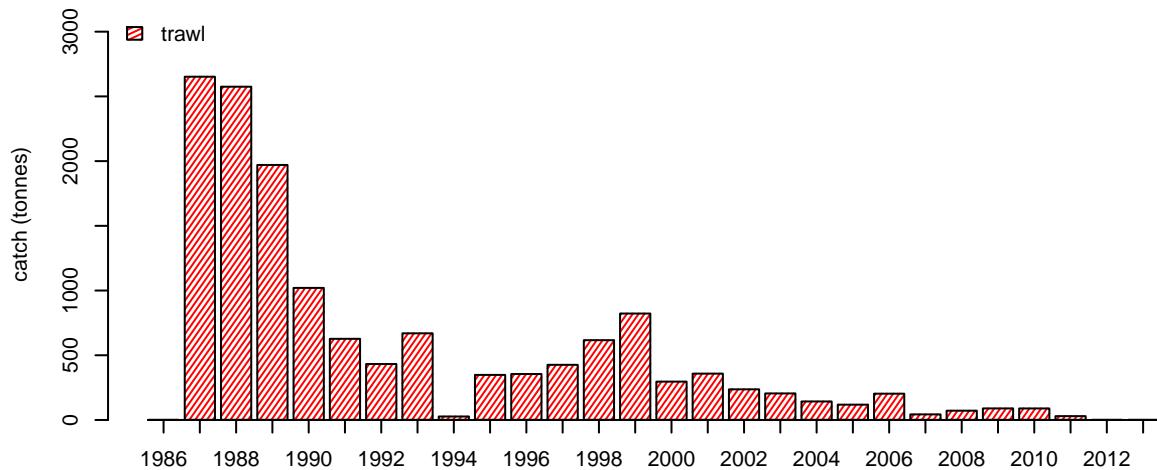
## Geometric mean CPUE



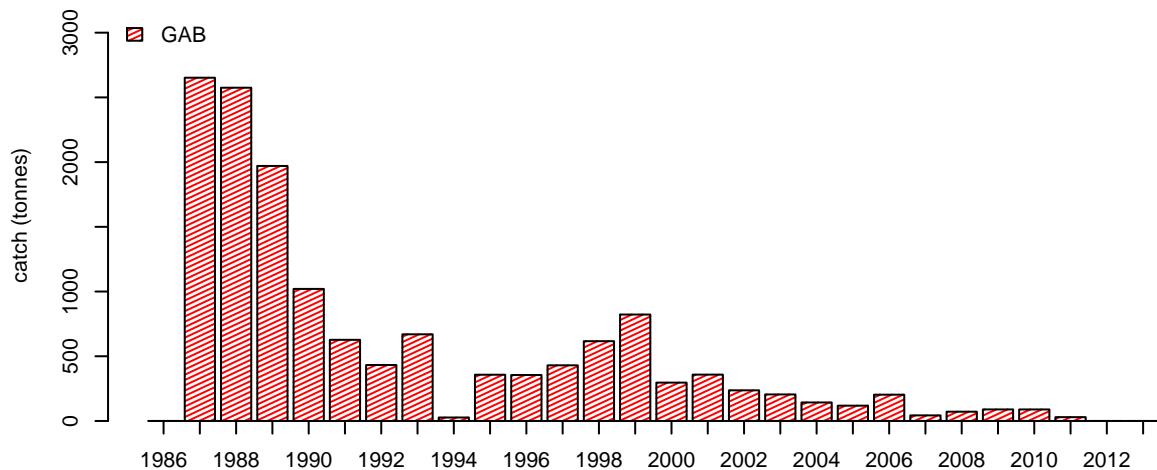
## Catch at depth



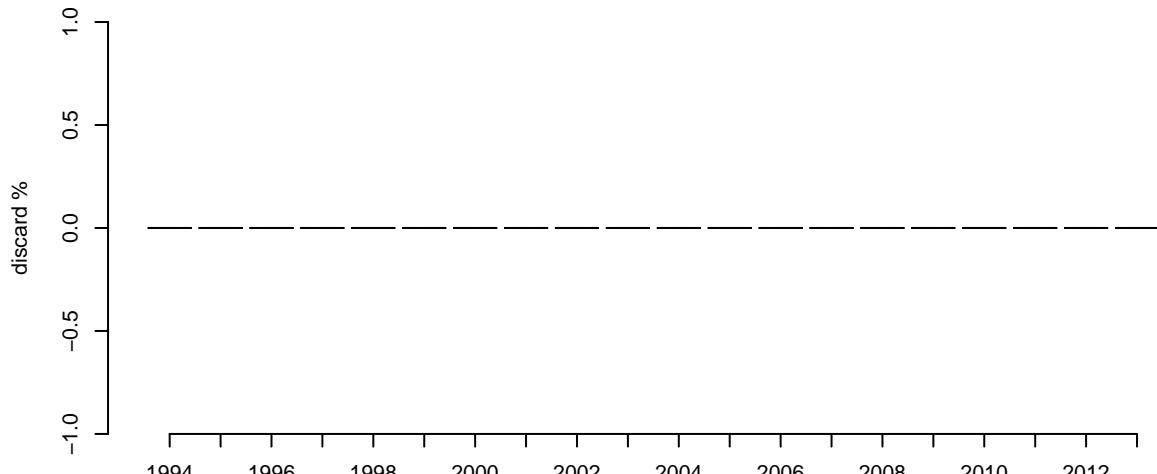
## Catch by gear



## Catch by zone



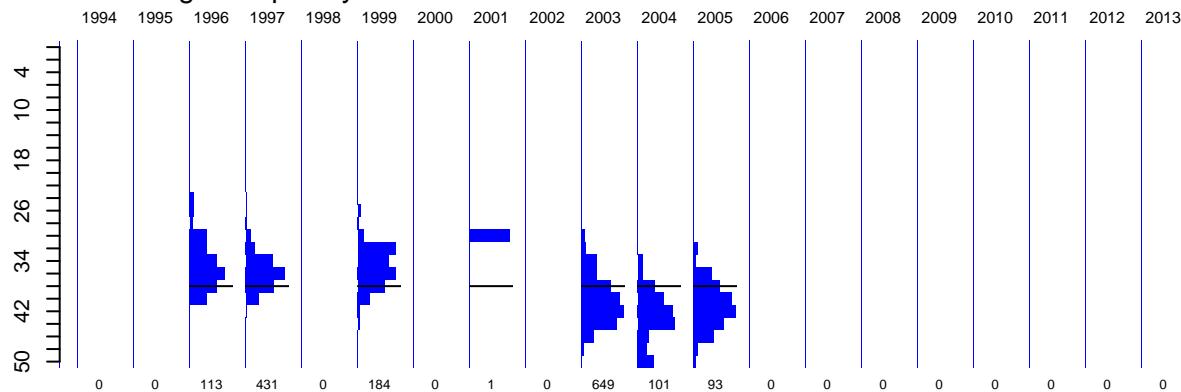
## Discards



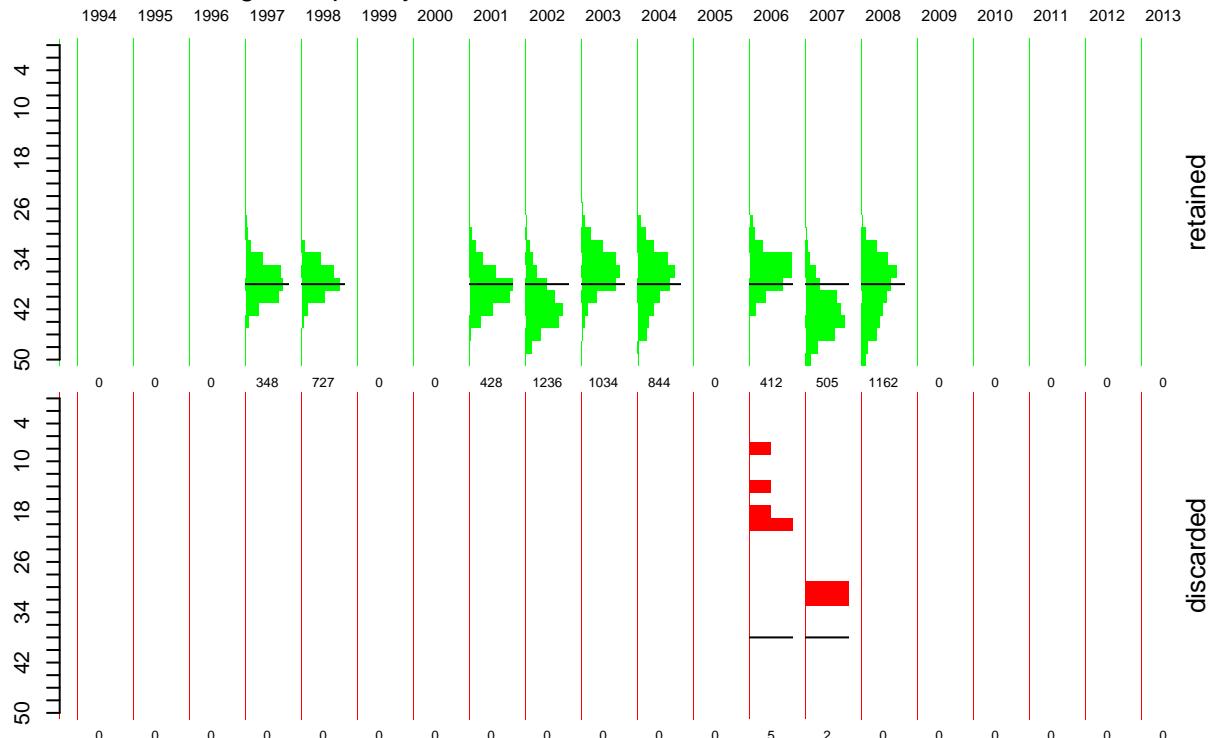
# Orange Roughy GAB

Sat Jul 19 16:28:58 2014

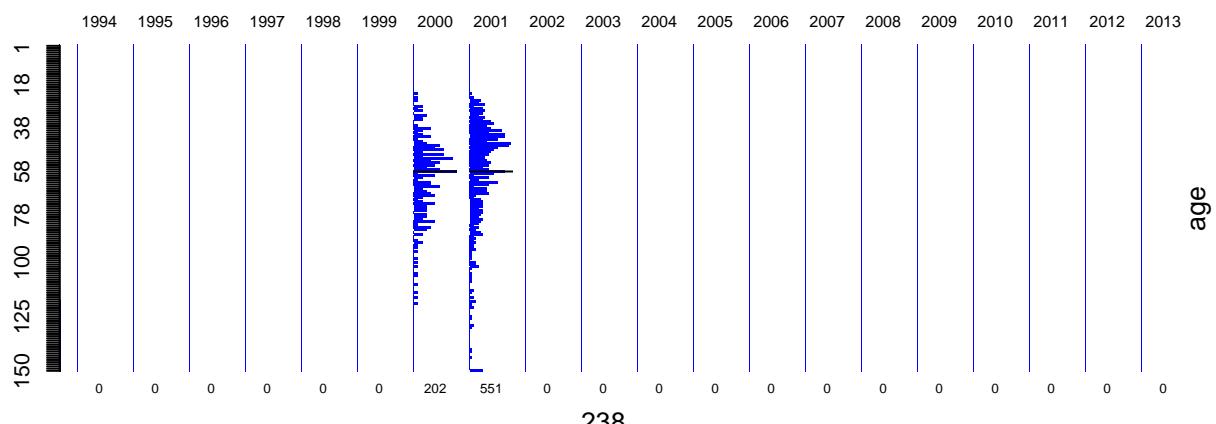
## Port length frequency



## Onboard length frequency



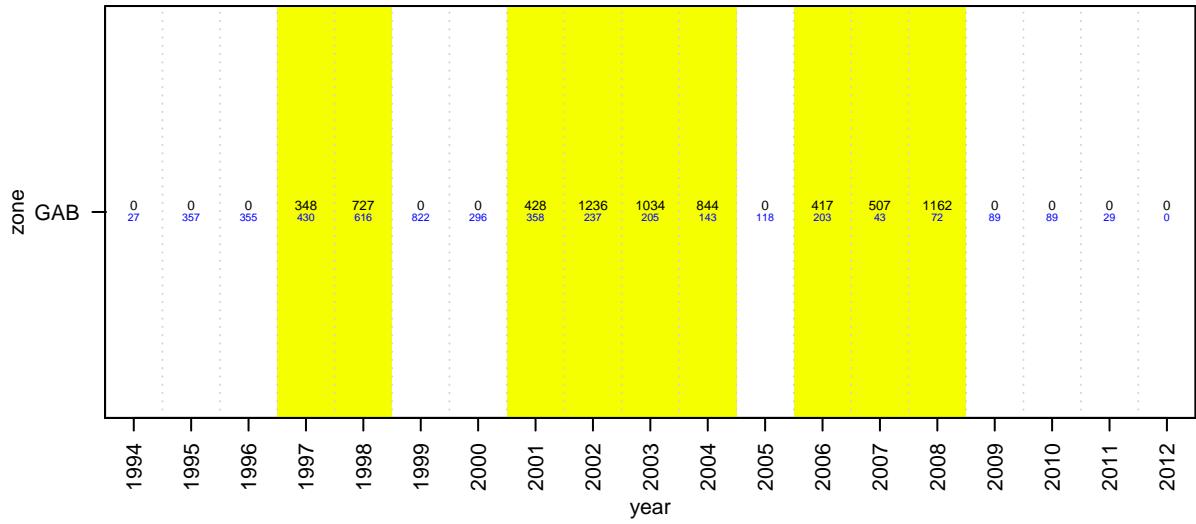
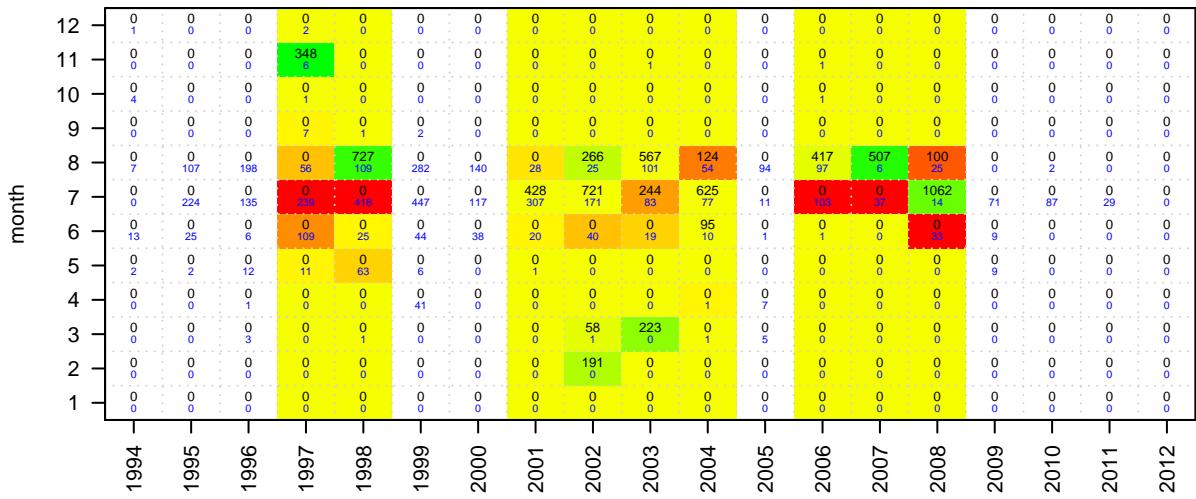
## Age frequency



# Orange Roughy GAB

Sat Jul 19 16:29:00 2014

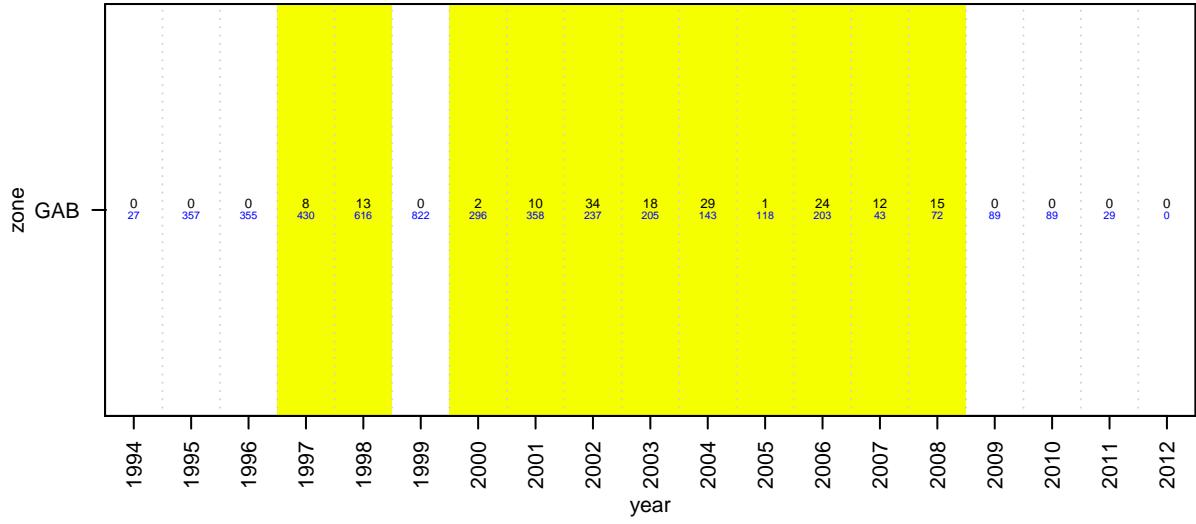
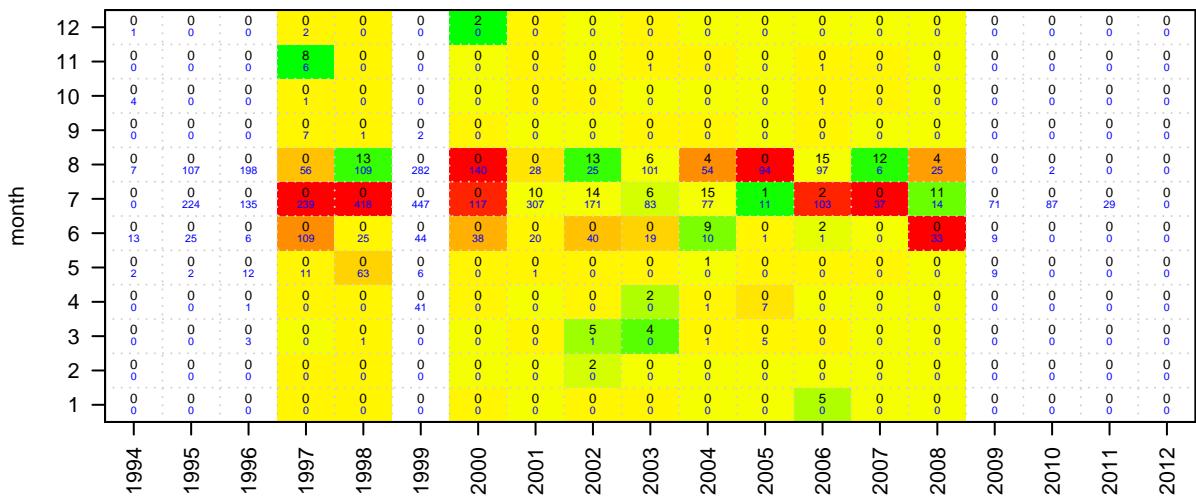
## Onboard length data



# Orange Roughy GAB

Sat Jul 19 16:29:00 2014

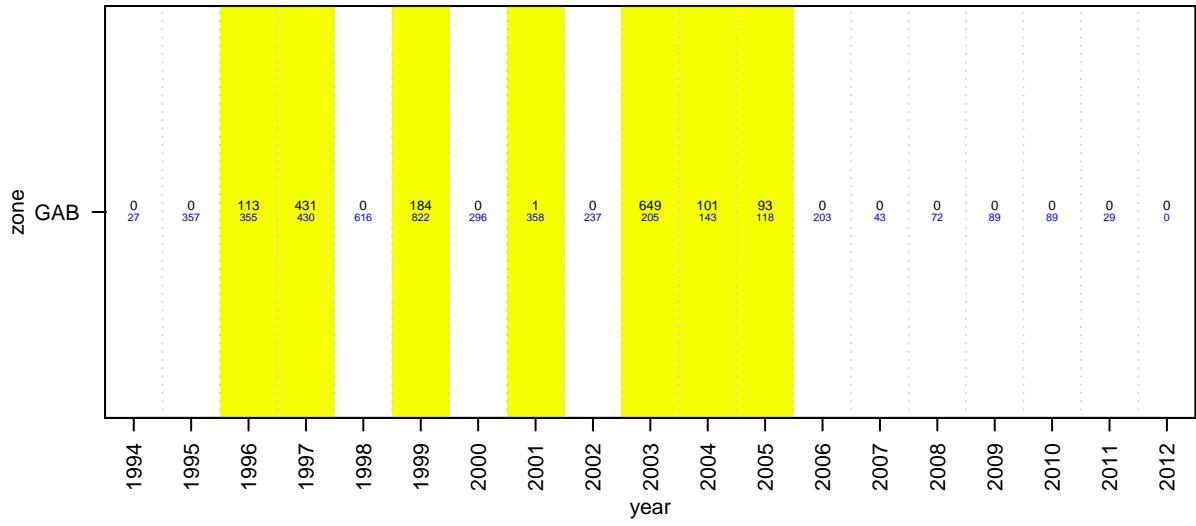
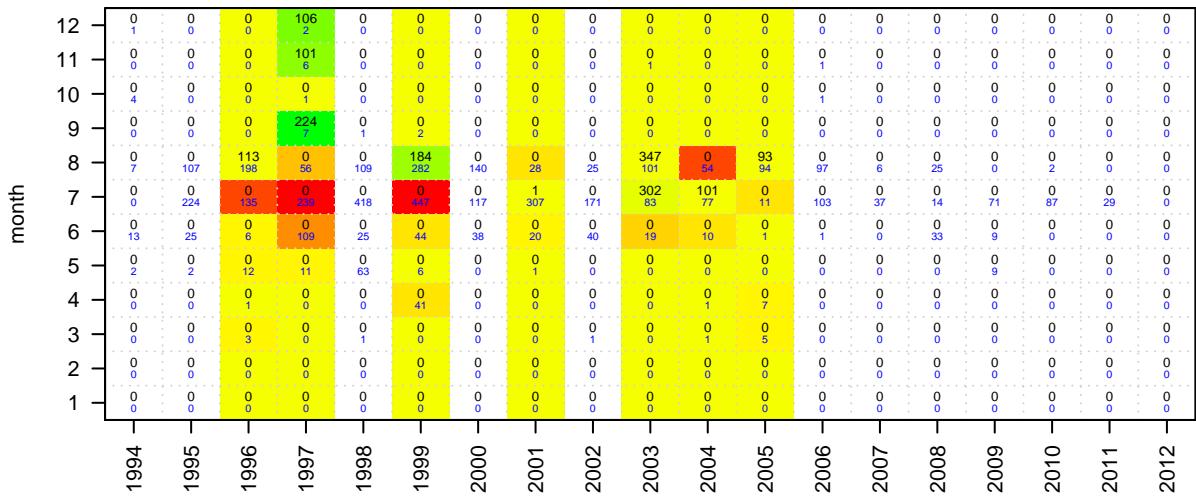
## Onboard discard weight data



# Orange Roughy GAB

Sat Jul 19 16:29:00 2014

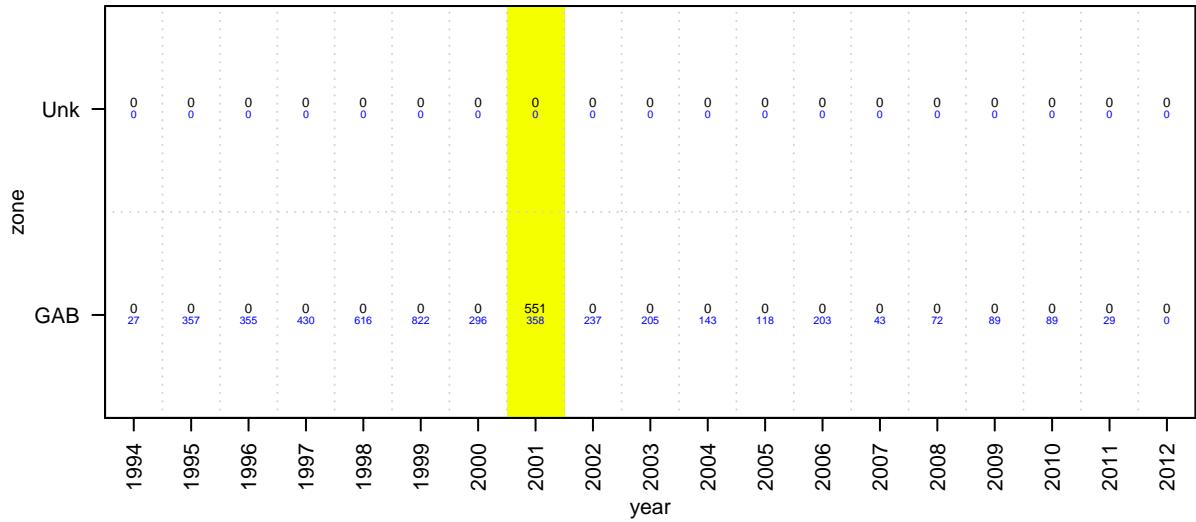
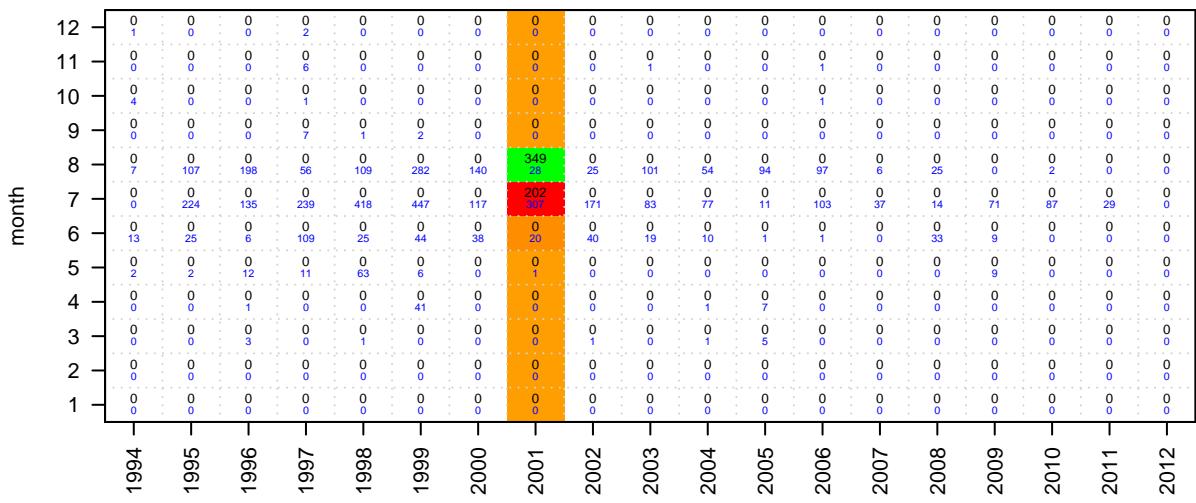
## Port length data



## Orange Roughy GAB

Sat Jul 19 16:29:00 2014

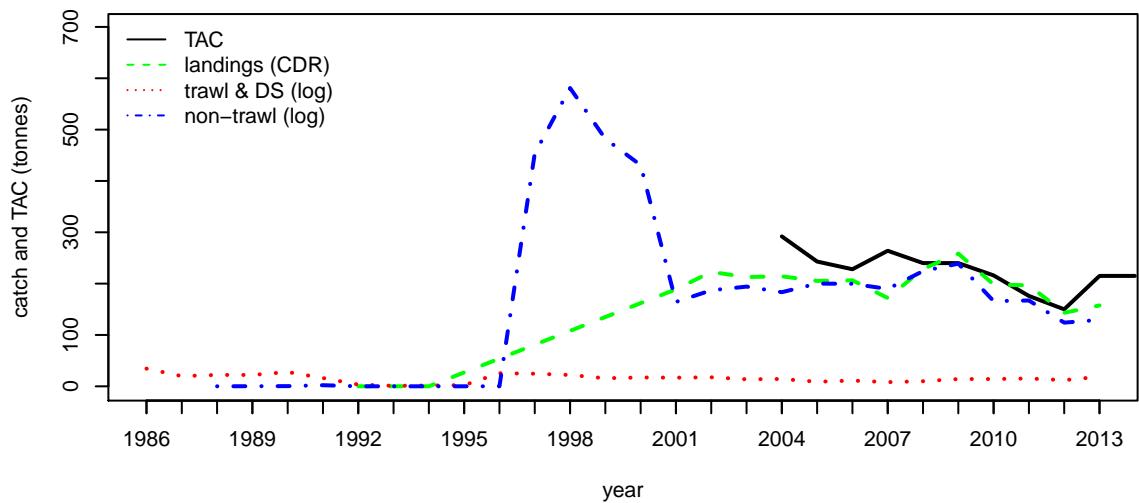
## Age data



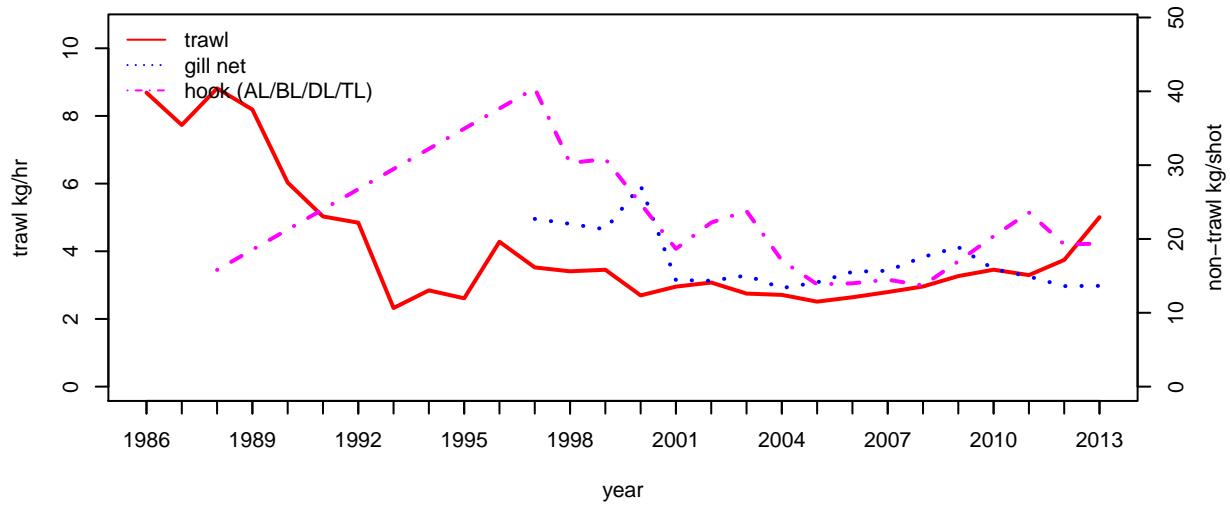
# School Shark

Sat Jul 19 16:29:53 2014  
region SHK unit code SHS  
CAAB 37017008  
start month 1

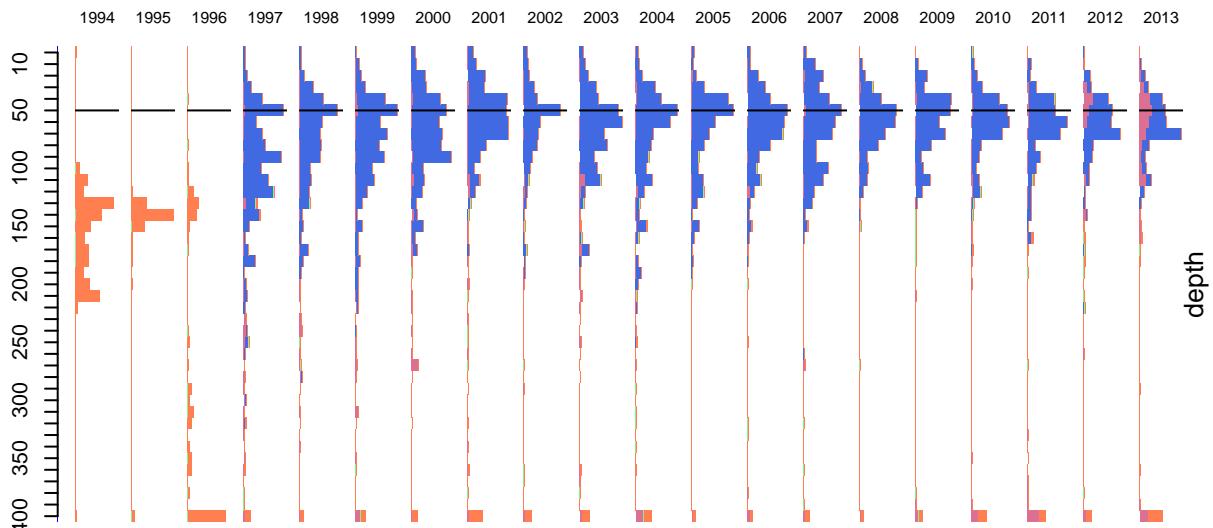
## TAC and landings



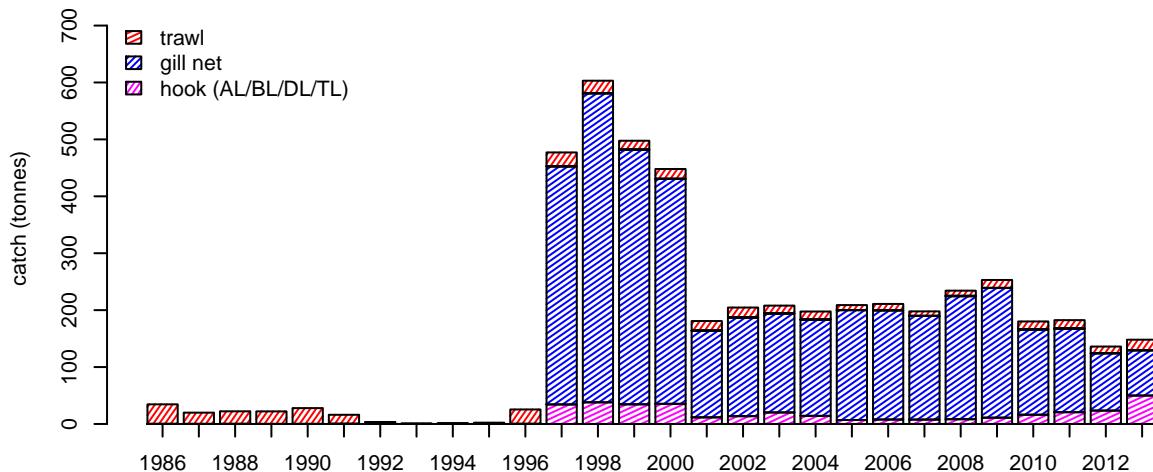
## Geometric mean CPUE



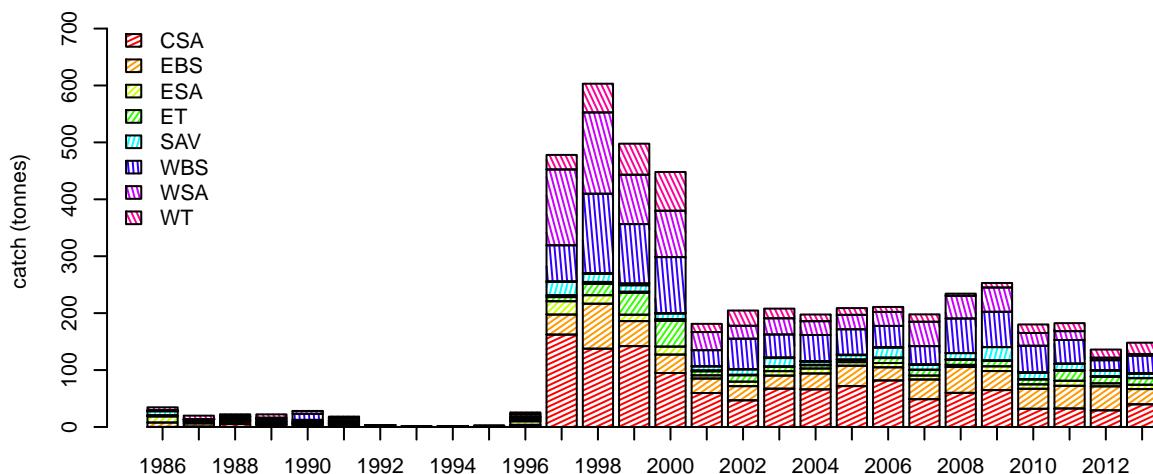
## Catch at depth



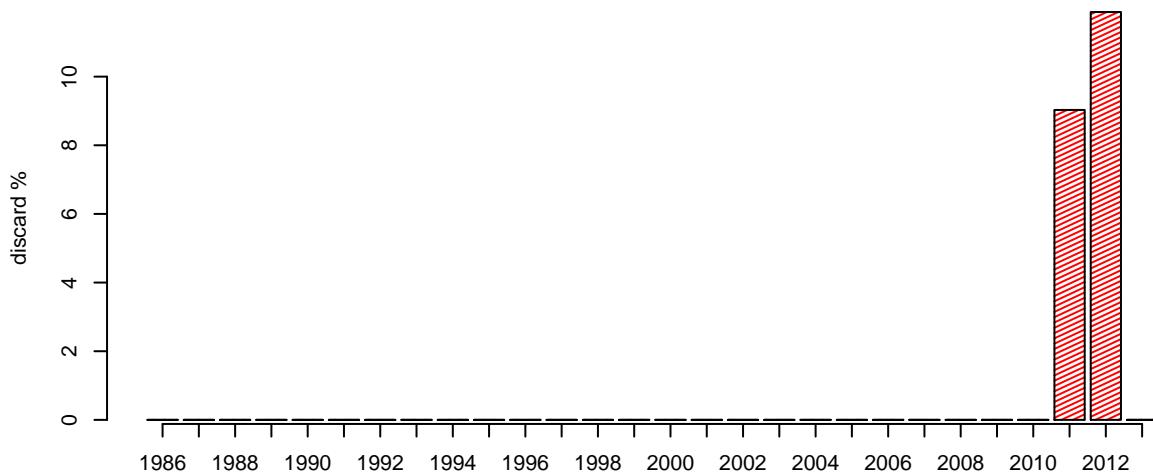
## Catch by gear



## Catch by zone



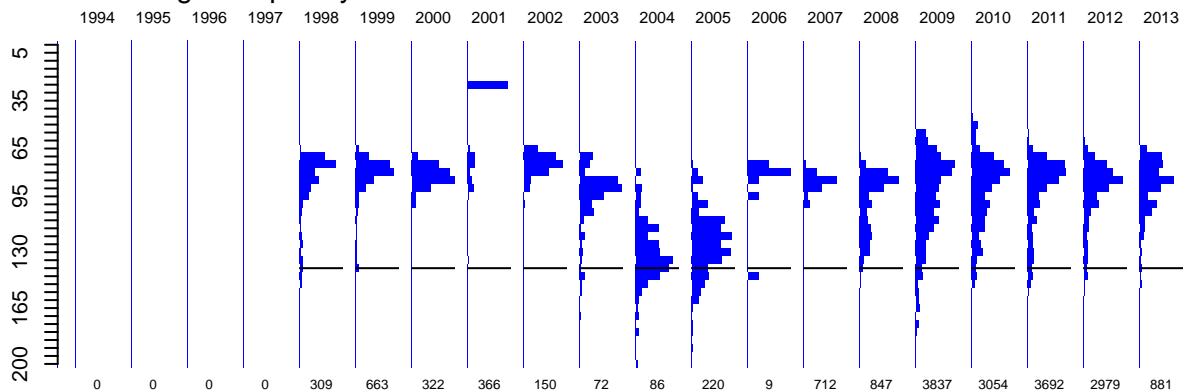
## Discards



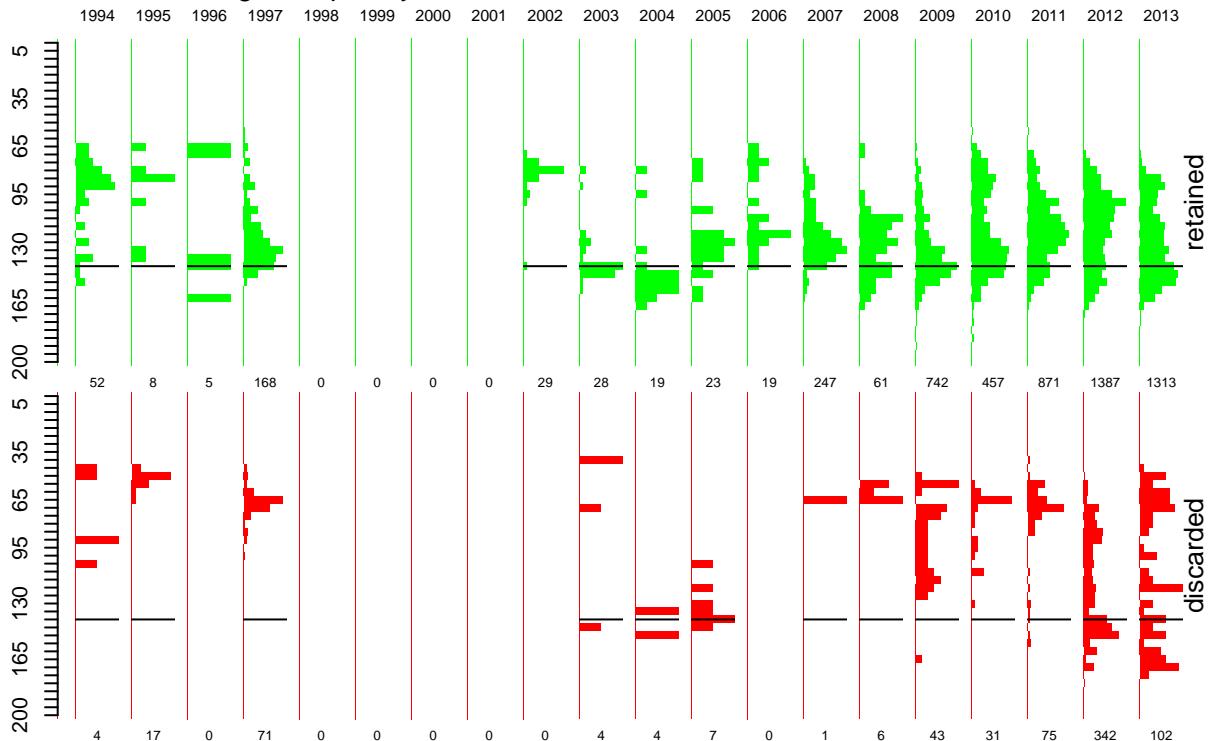
# School Shark

Sat Jul 19 16:30:09 2014

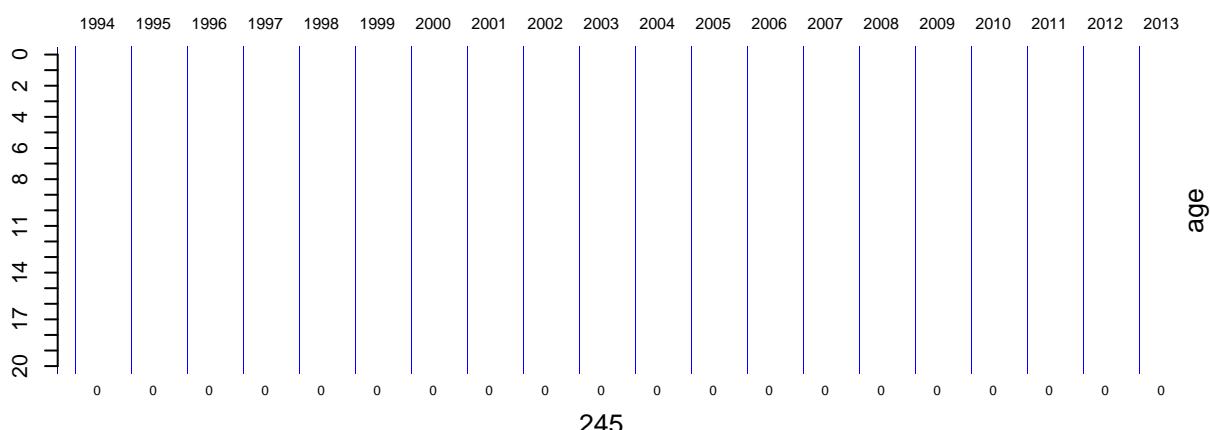
## Port length frequency



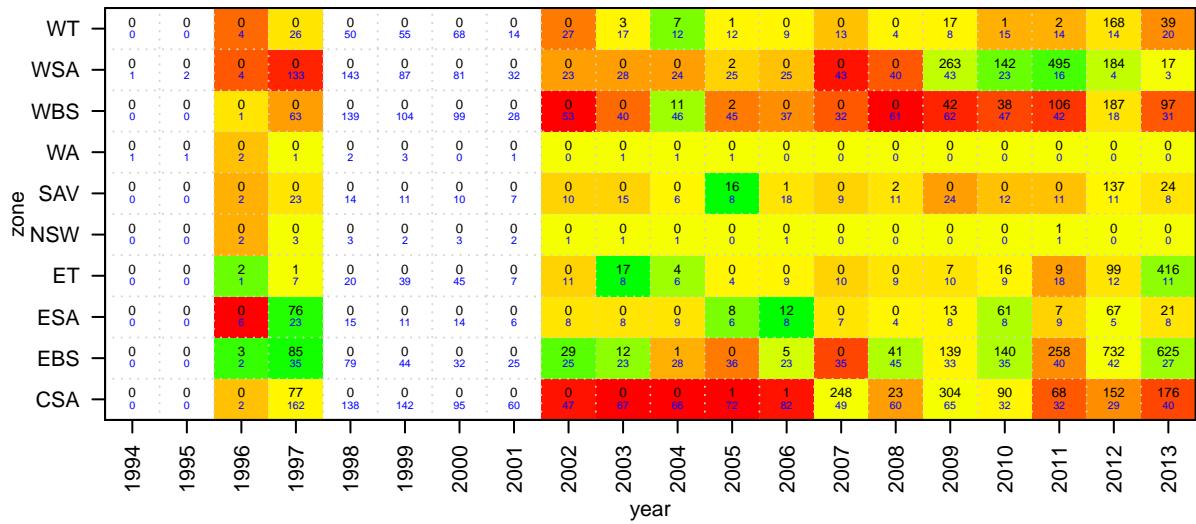
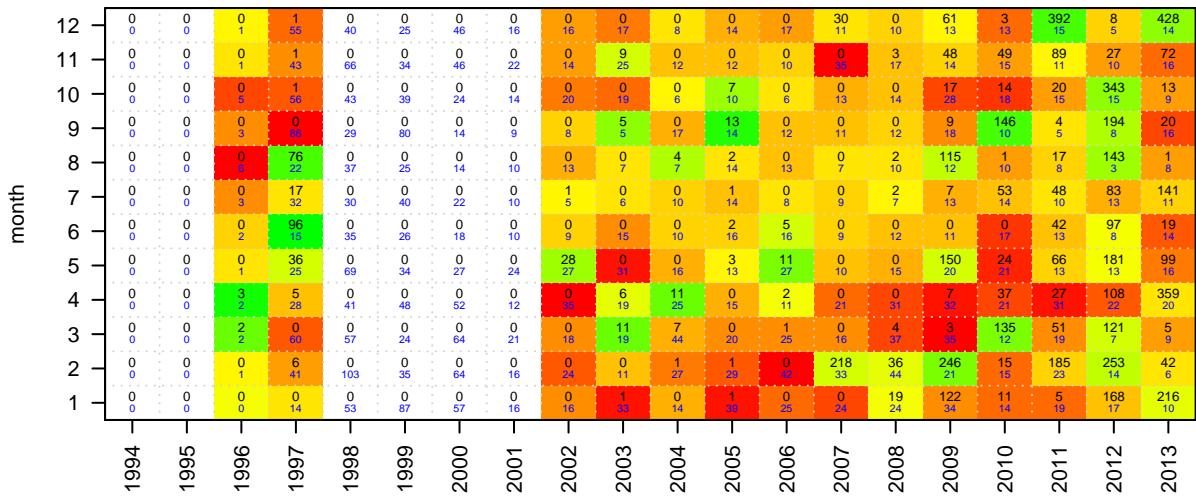
## Onboard length frequency



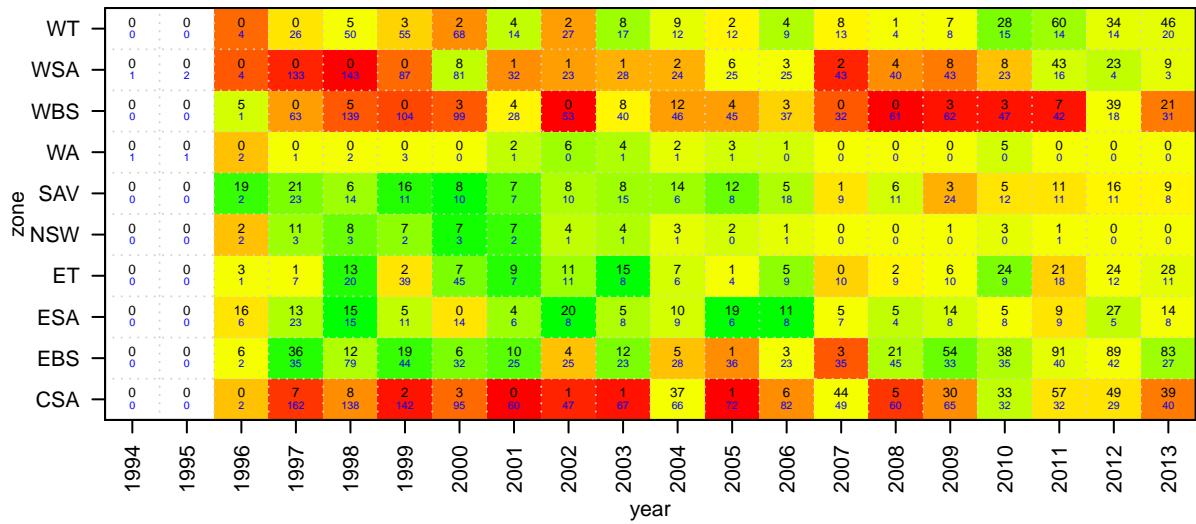
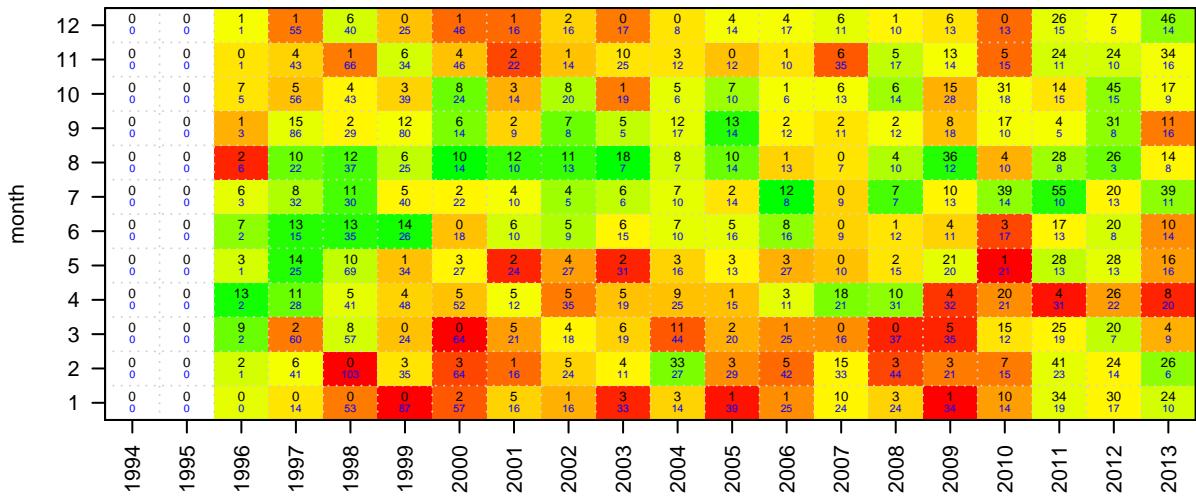
## Age frequency



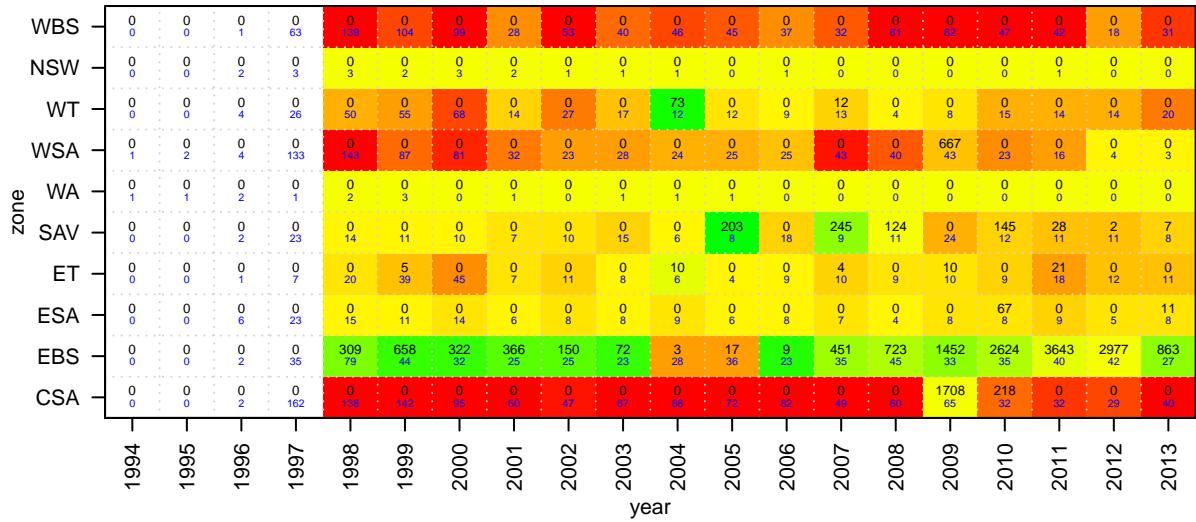
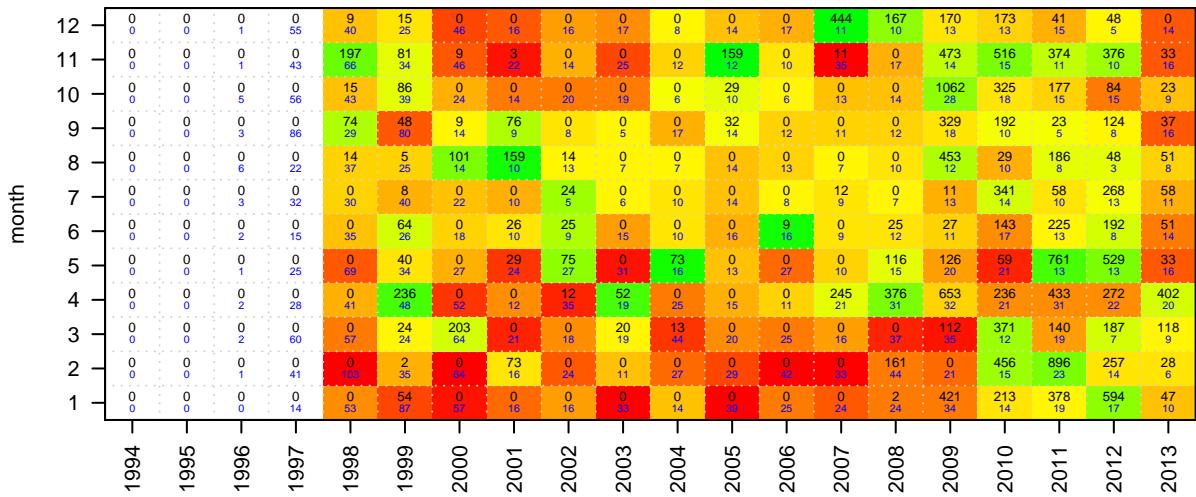
## Onboard length data



## Onboard discard weight data



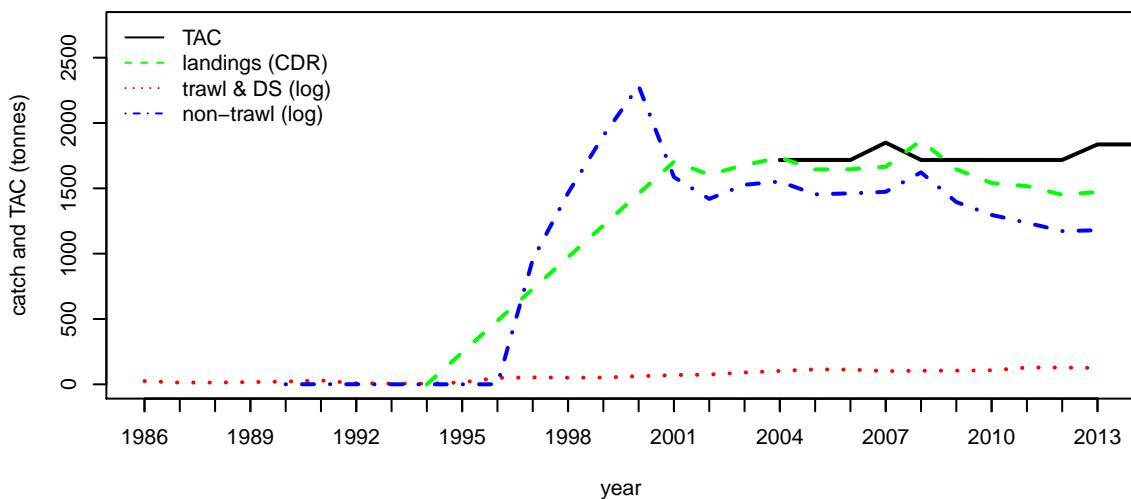
## Port length data



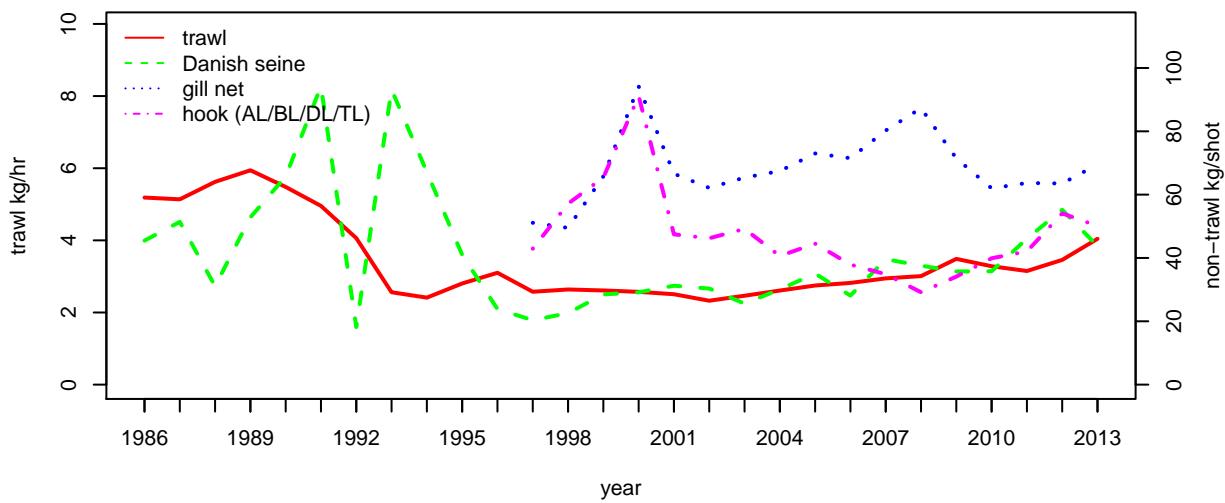
# Gummy Shark

Sat Jul 19 16:32:32 2014  
region SHK unit code SHG  
CAAB 37017001  
start month 1

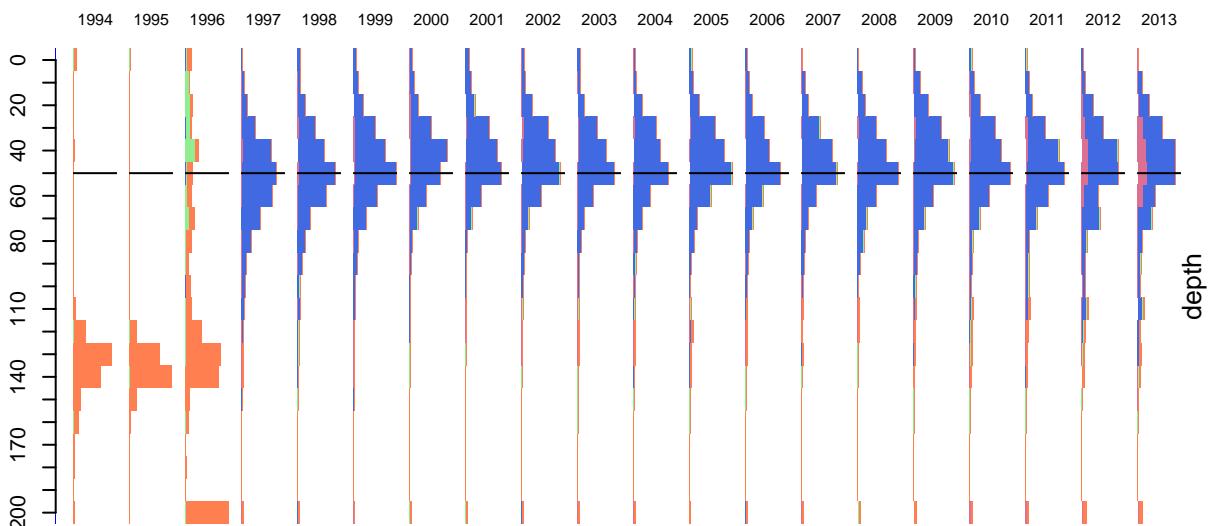
## TAC and landings



## Geometric mean CPUE



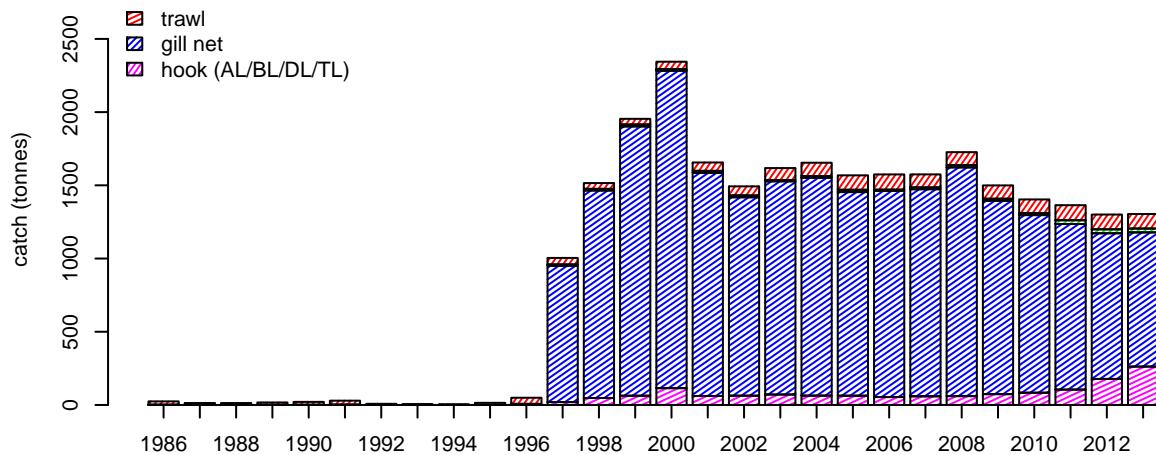
## Catch at depth



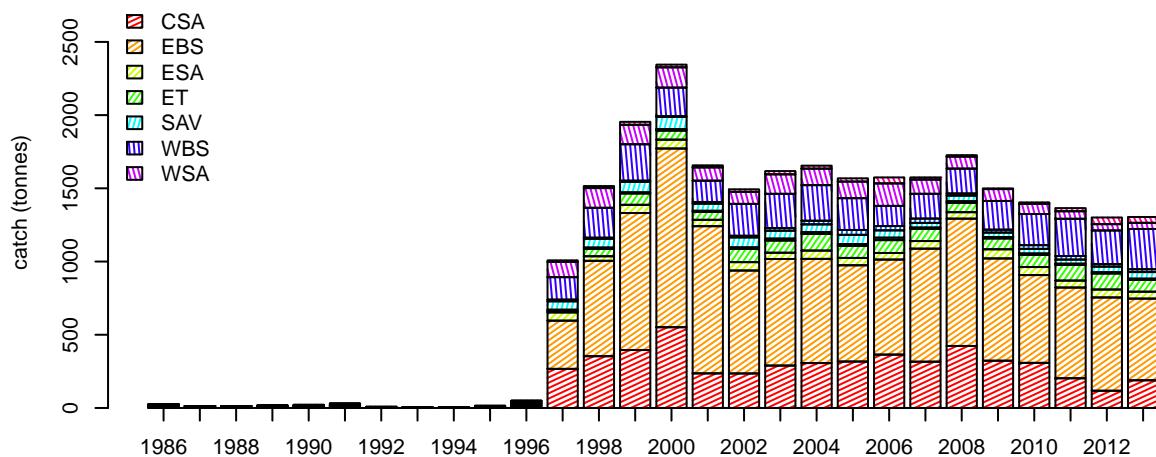
# Gummy Shark

Sat Jul 19 16:33:07 2014

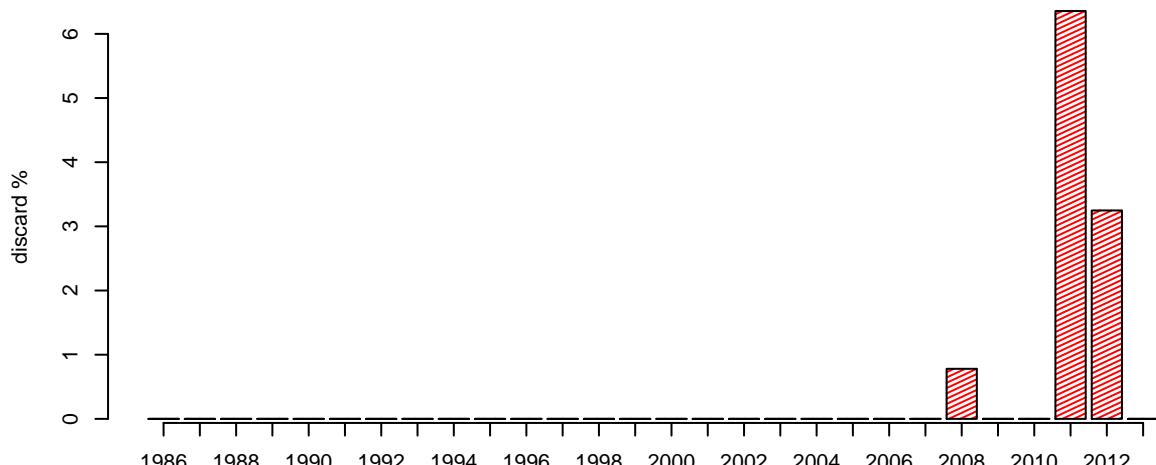
## Catch by gear



## Catch by zone



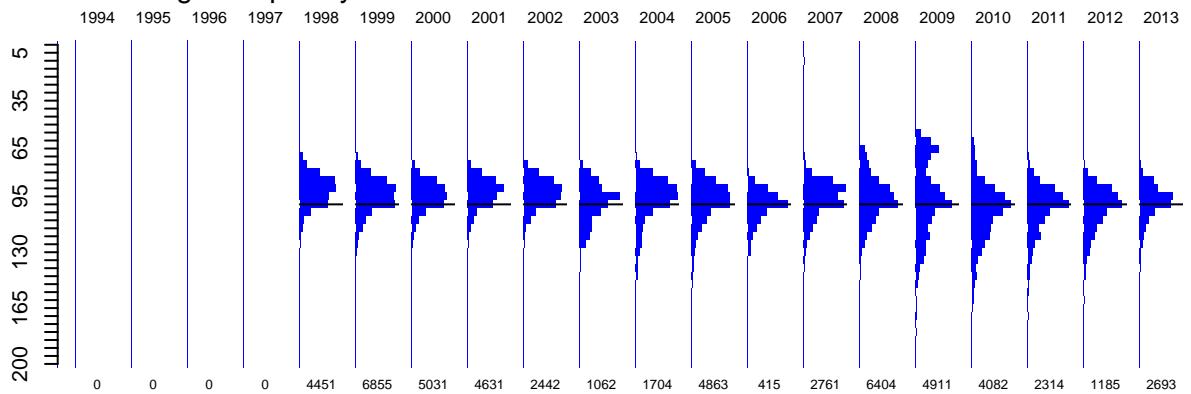
## Discards



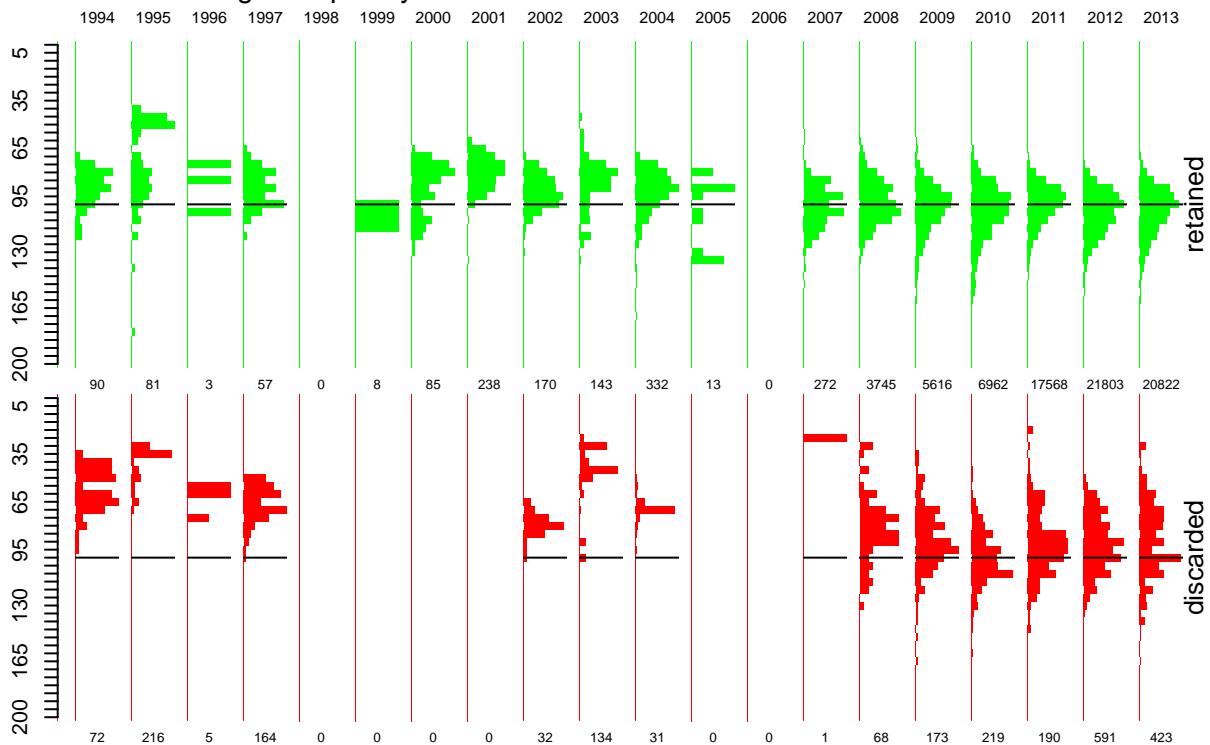
# Gummy Shark

Sat Jul 19 16:33:19 2014

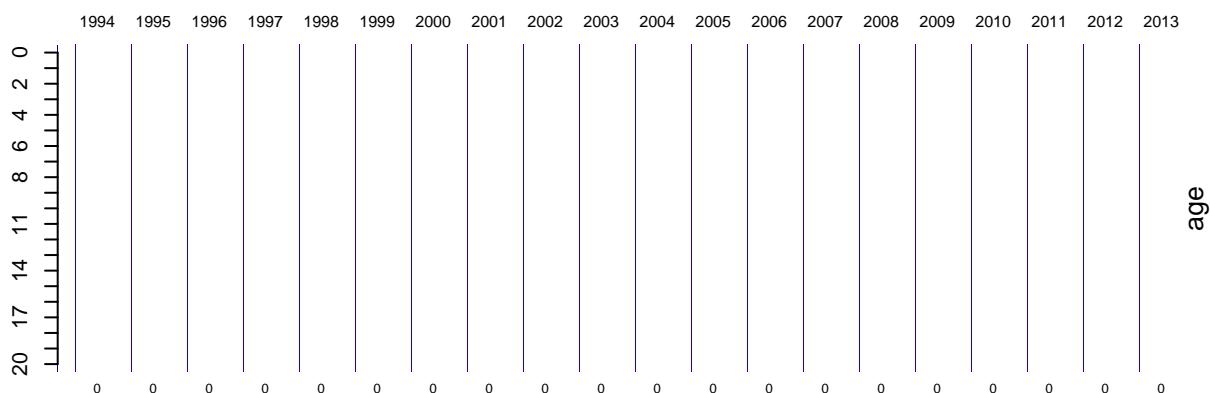
## Port length frequency



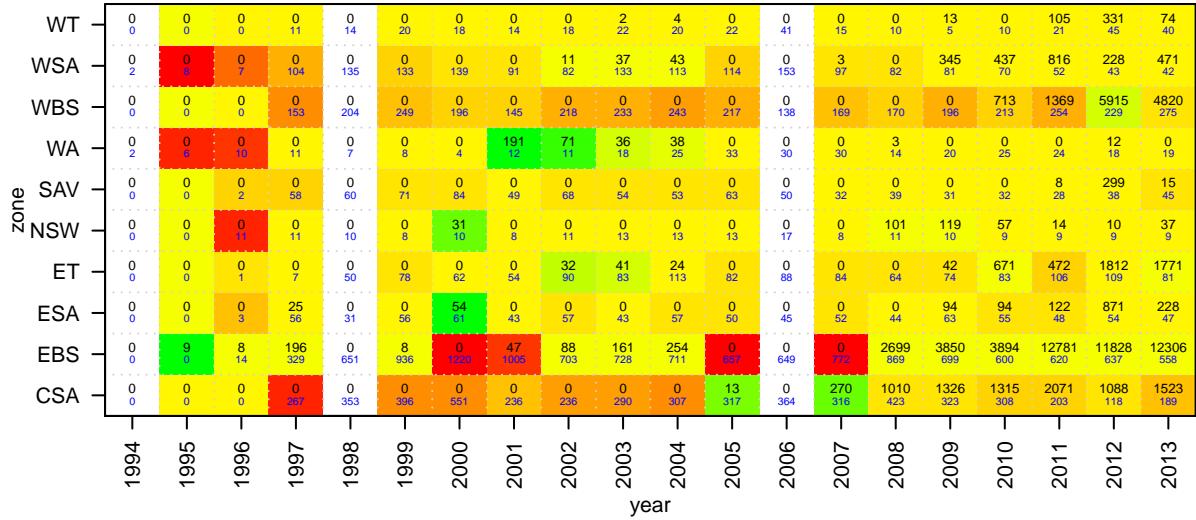
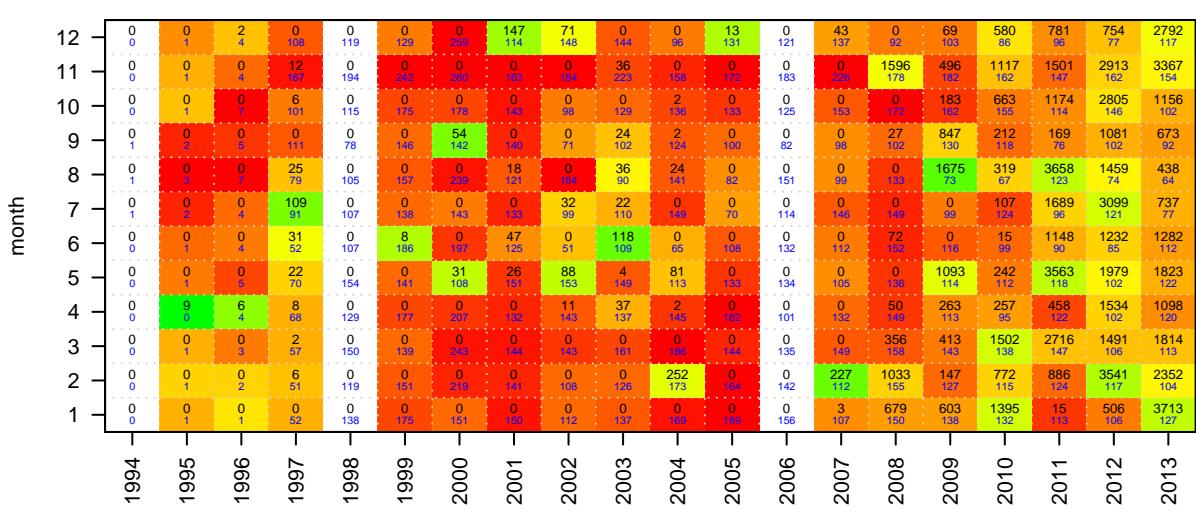
## Onboard length frequency



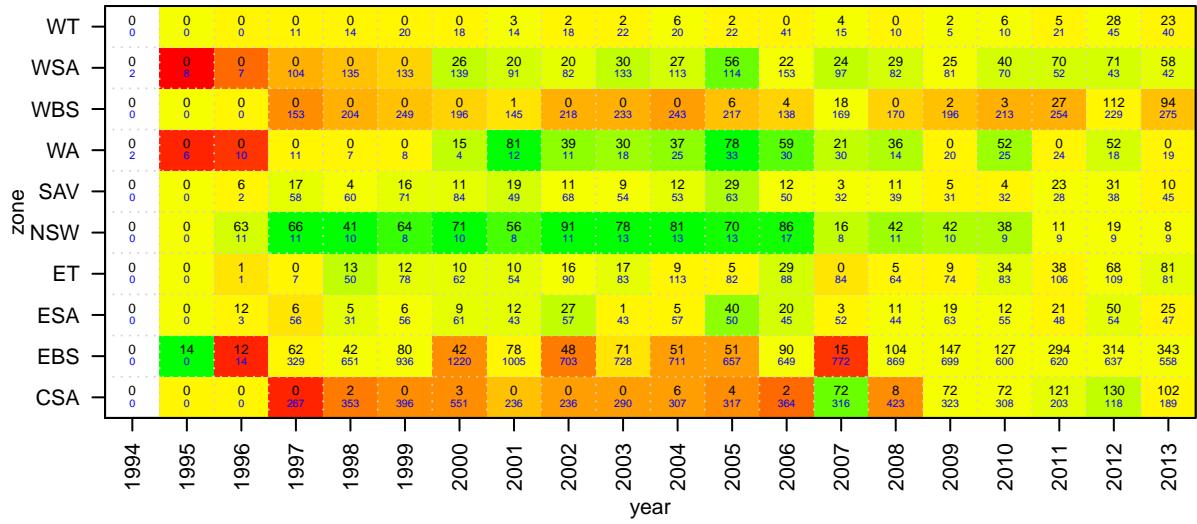
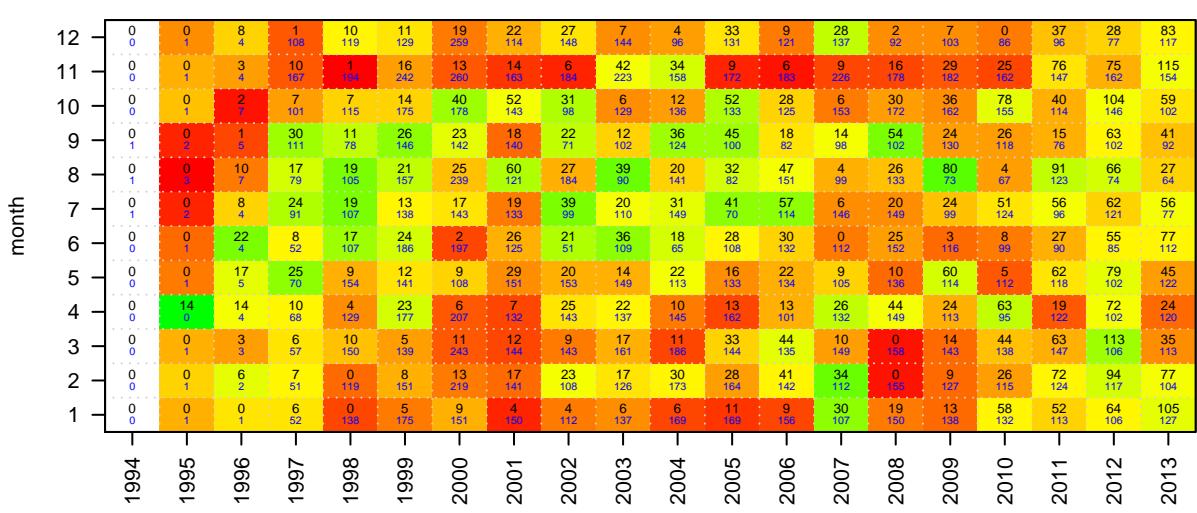
## Age frequency



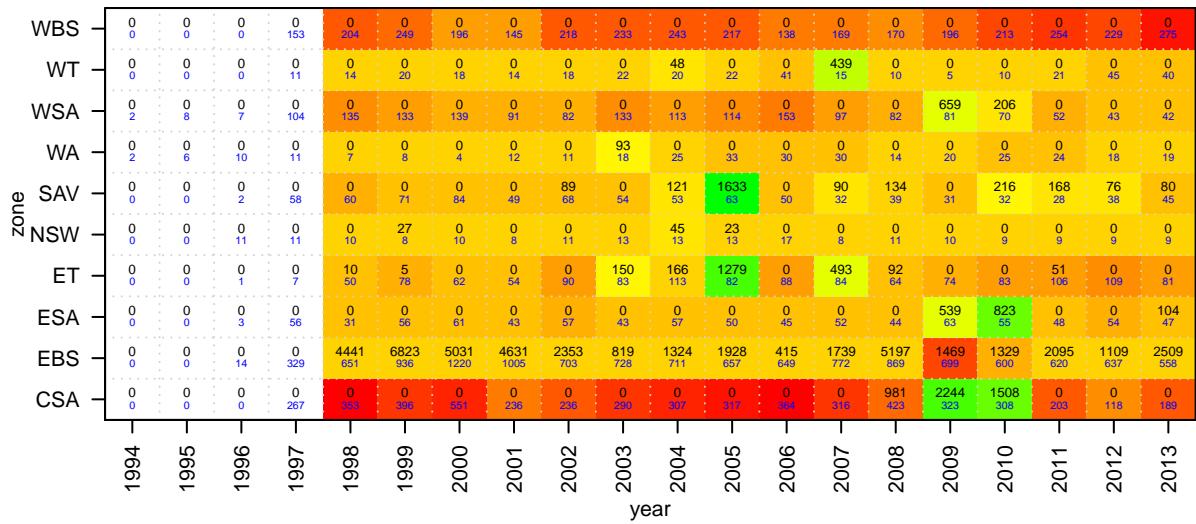
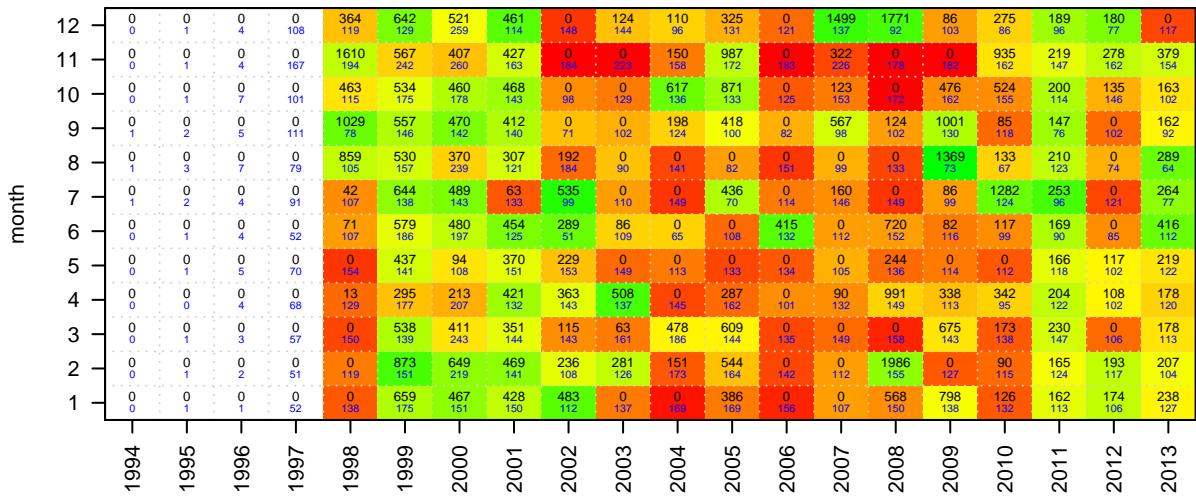
## Onboard length data



## Onboard discard weight data



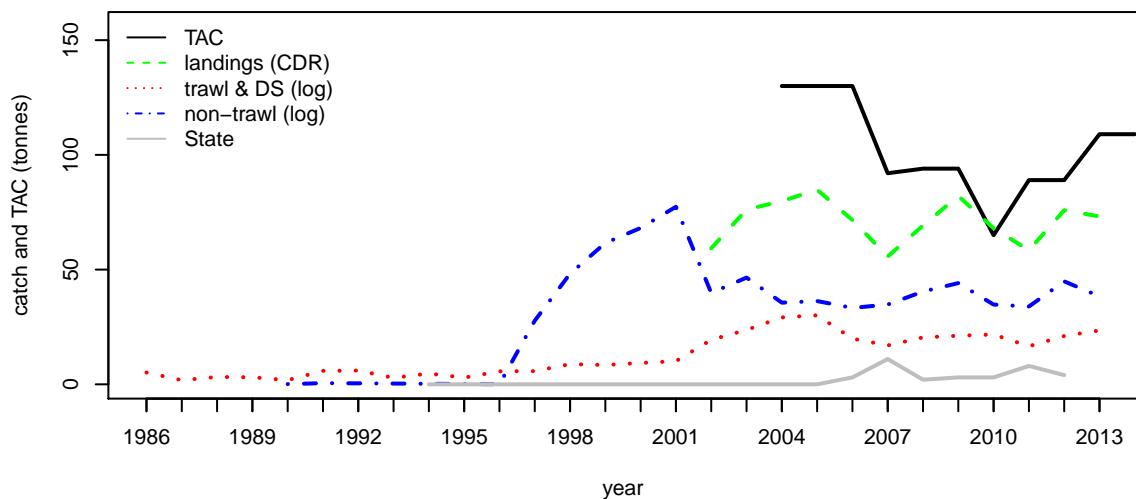
## Port length data



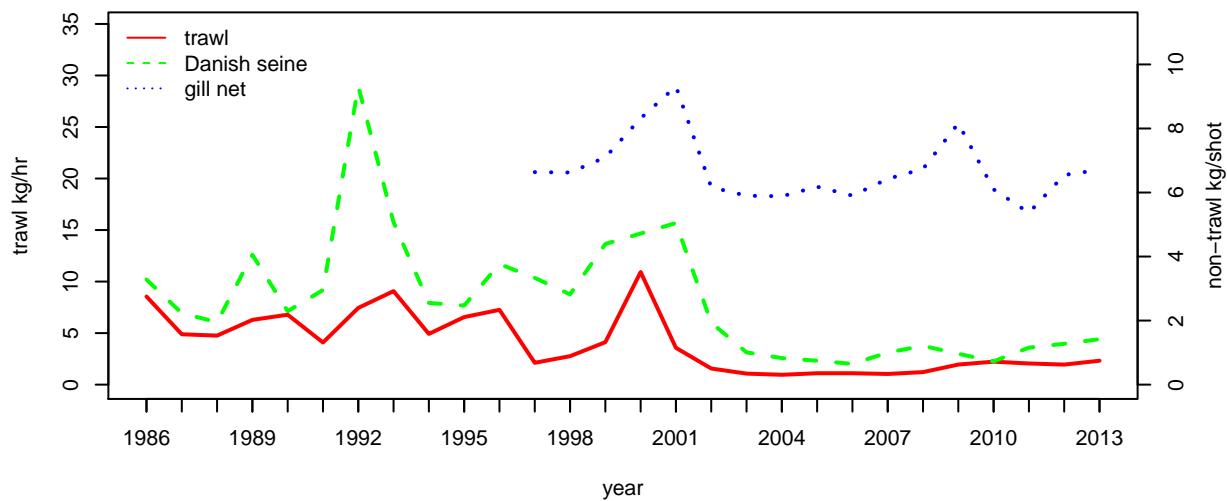
# Elephantfish

Sat Jul 19 16:34:34 2014  
region SHK unit code SHEF  
CAAB 37043000 37043001  
start month 1

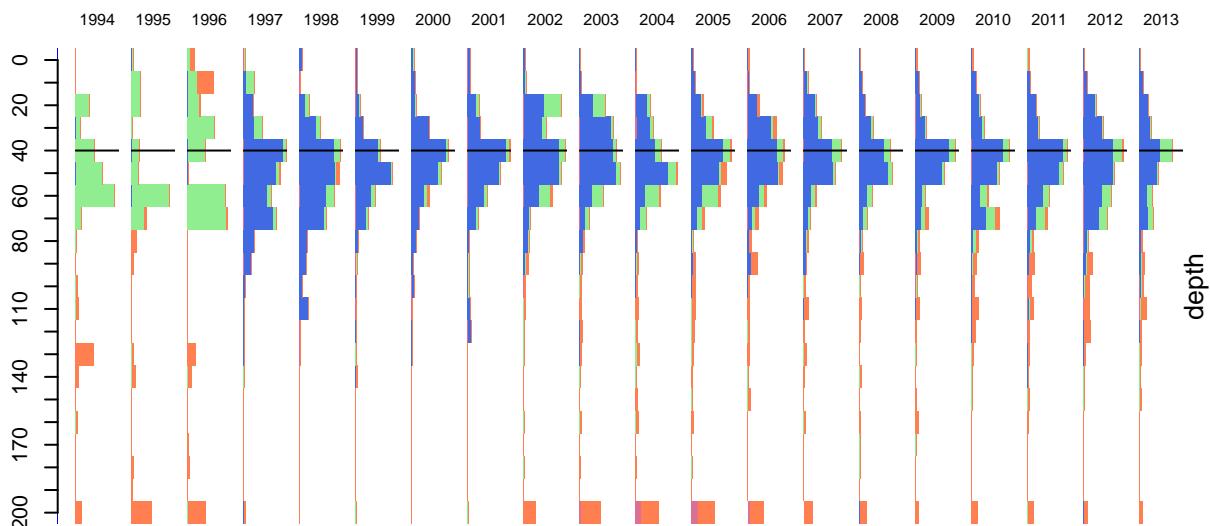
## TAC and landings



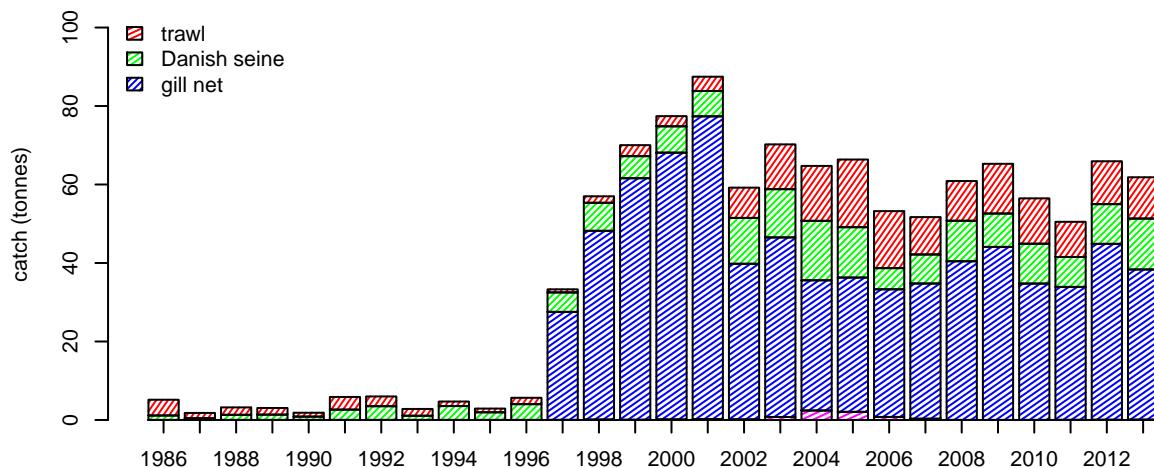
## Geometric mean CPUE



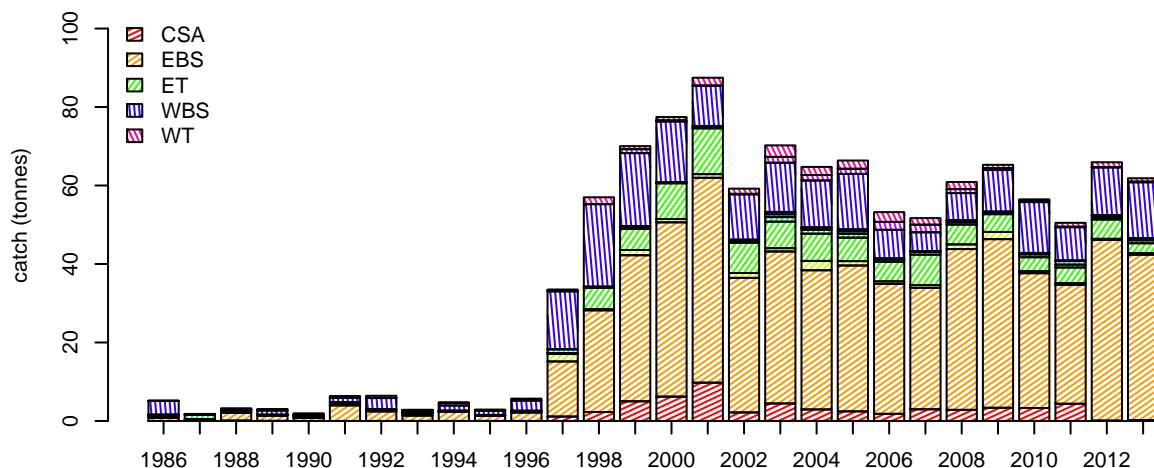
## Catch at depth



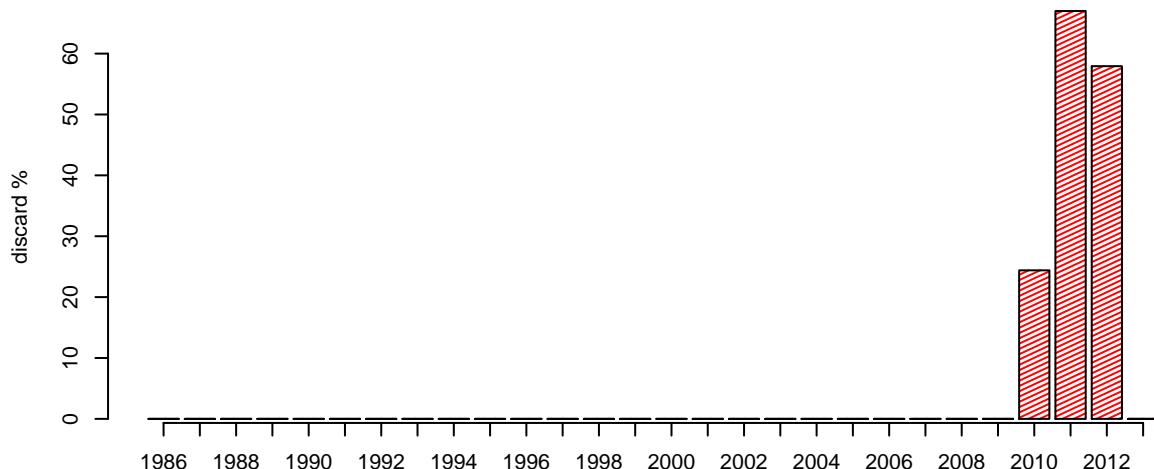
## Catch by gear



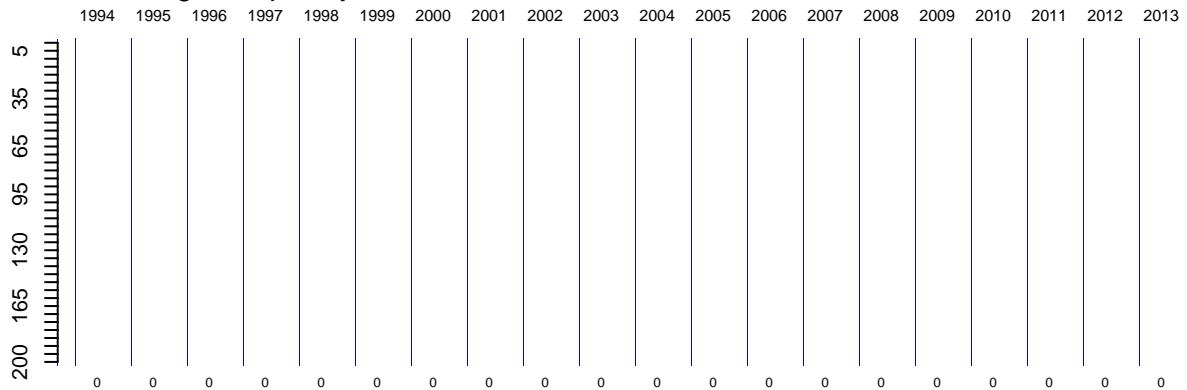
## Catch by zone



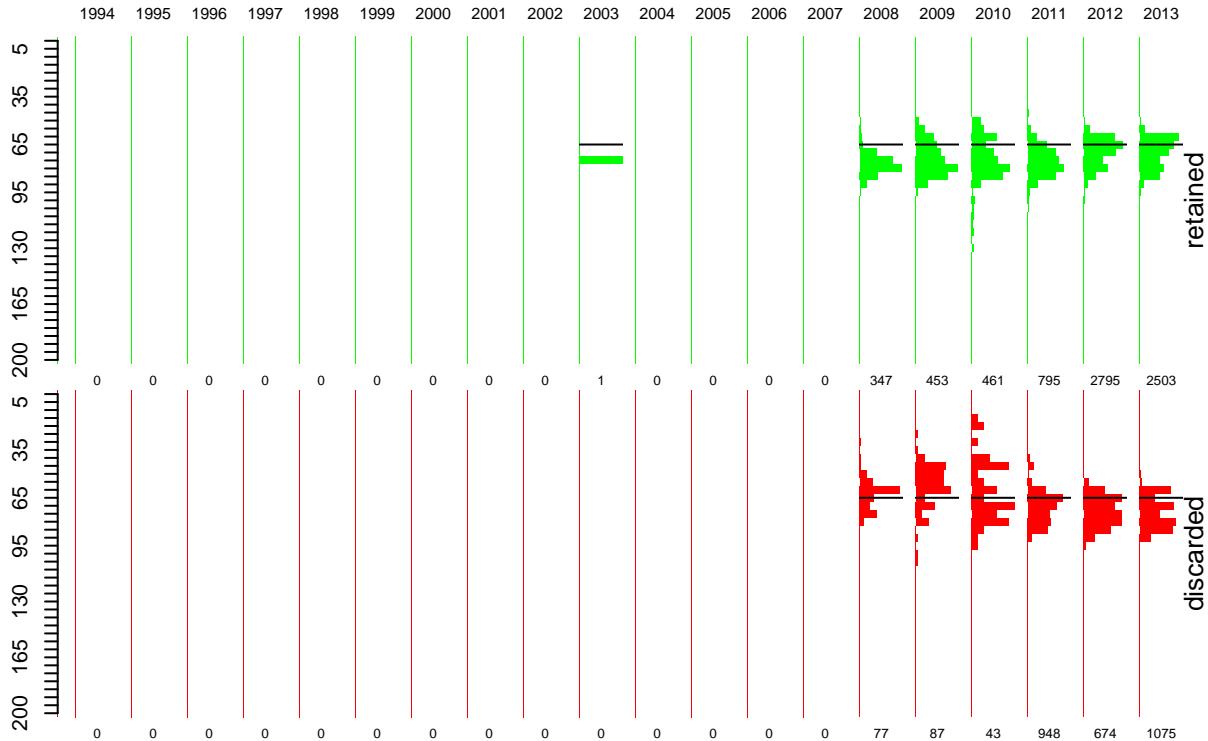
## Discards



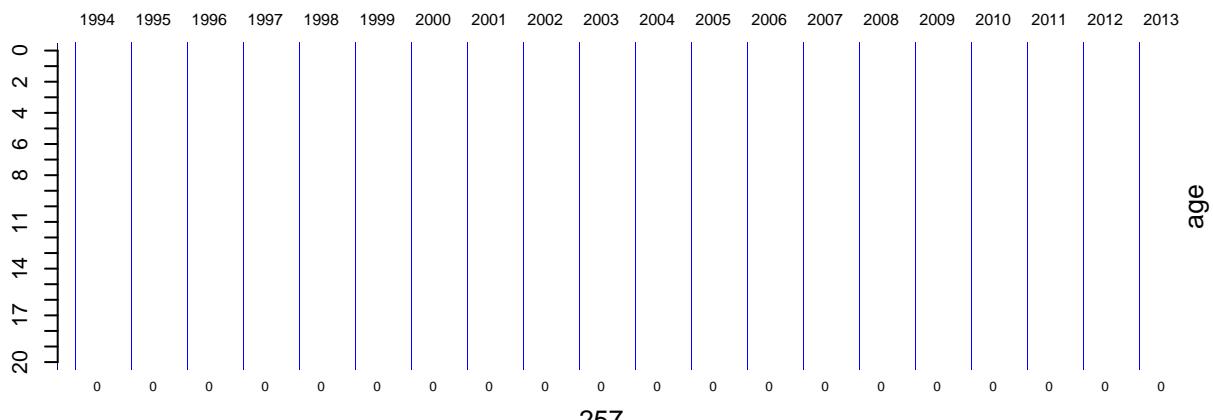
## Port length frequency



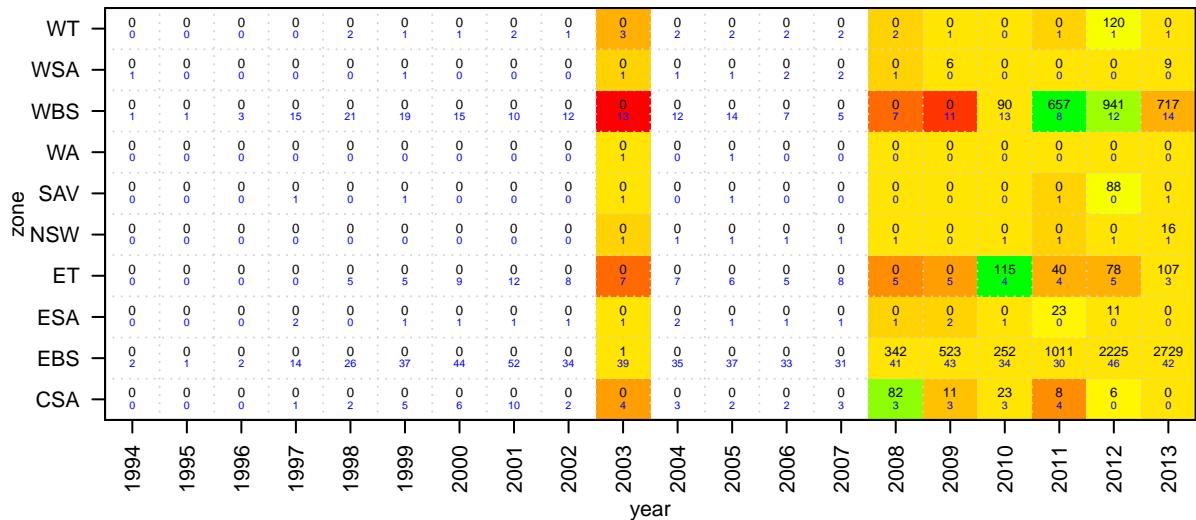
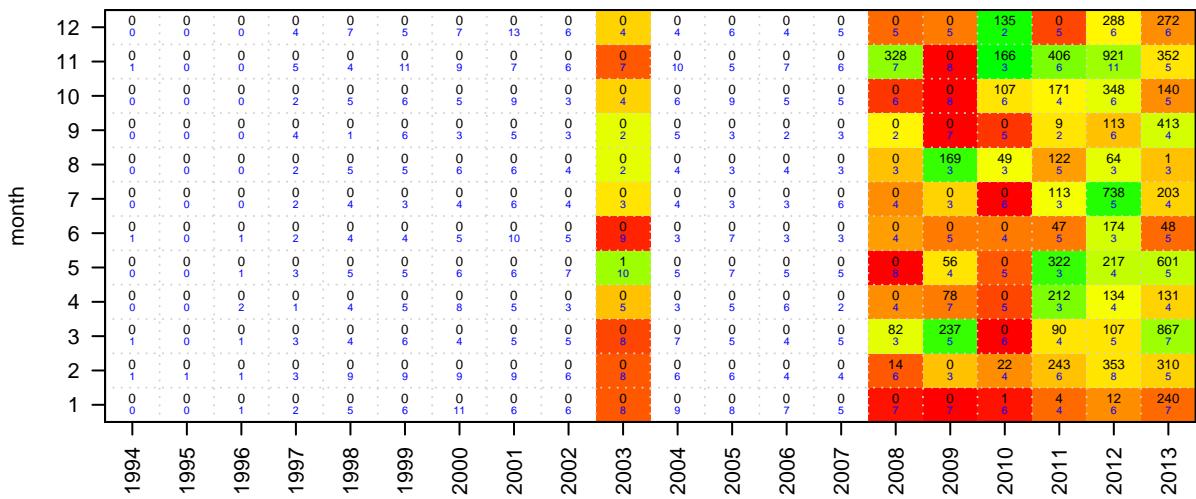
## Onboard length frequency



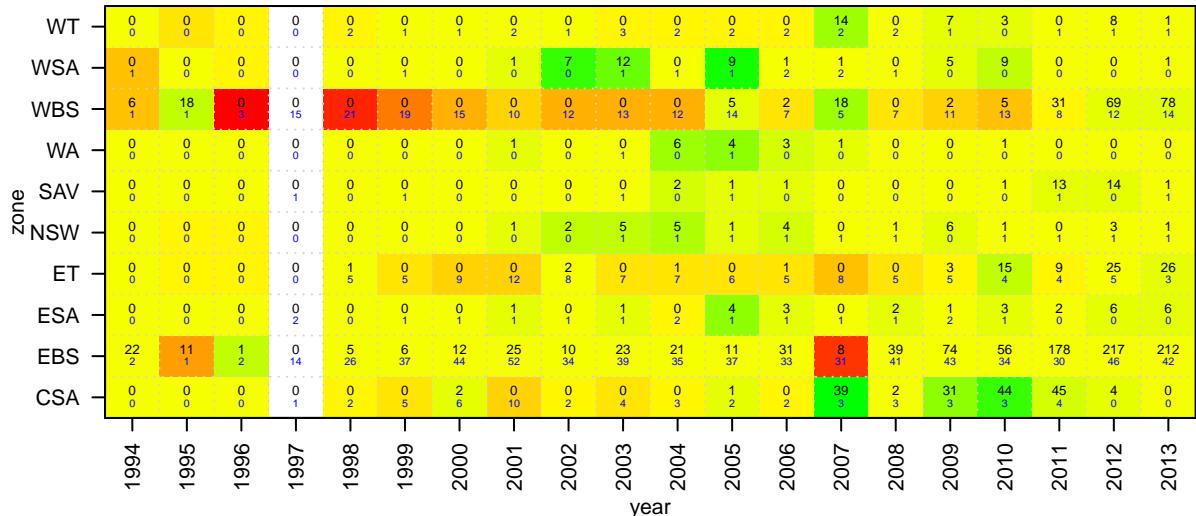
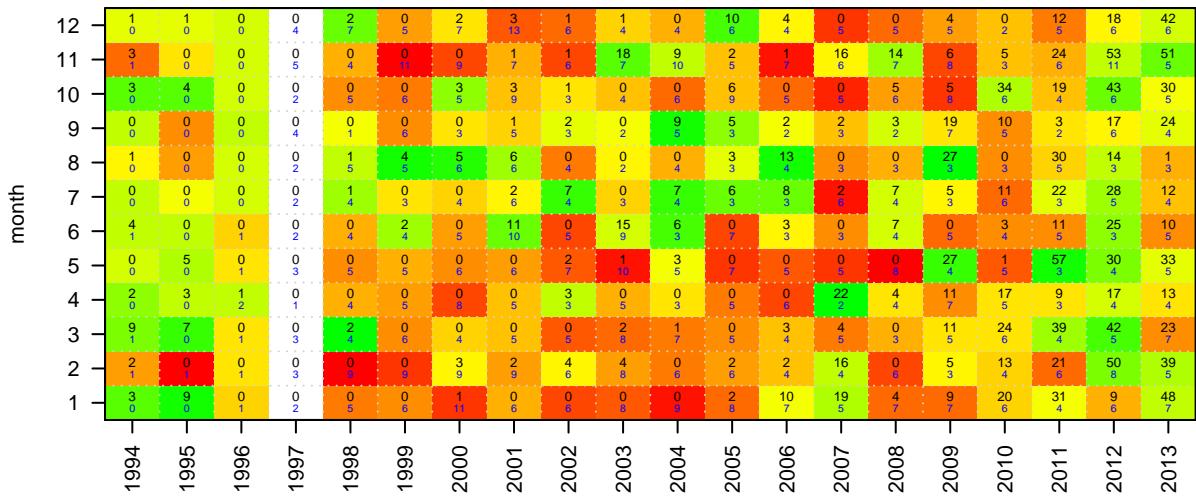
## Age frequency



## Onboard length data



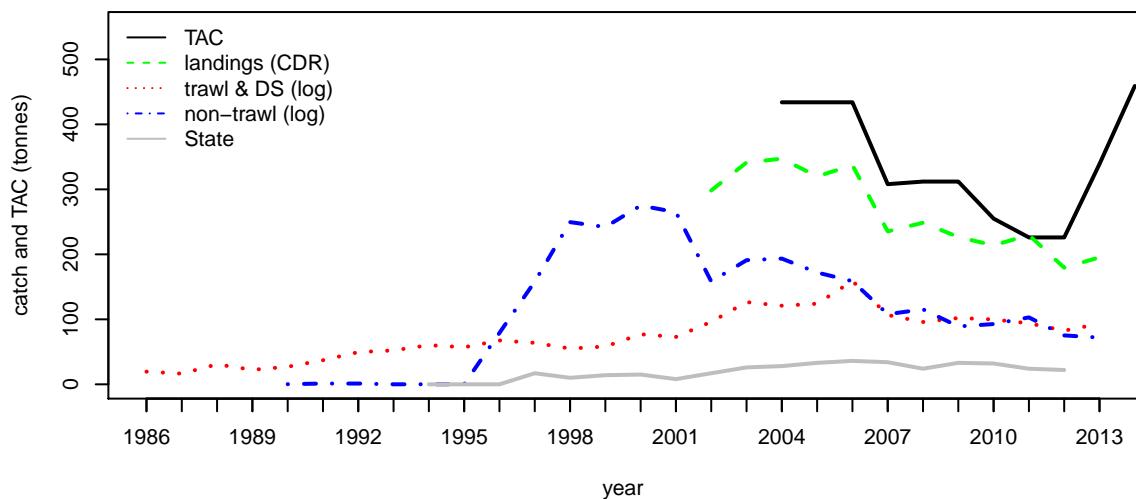
## Onboard discard weight data



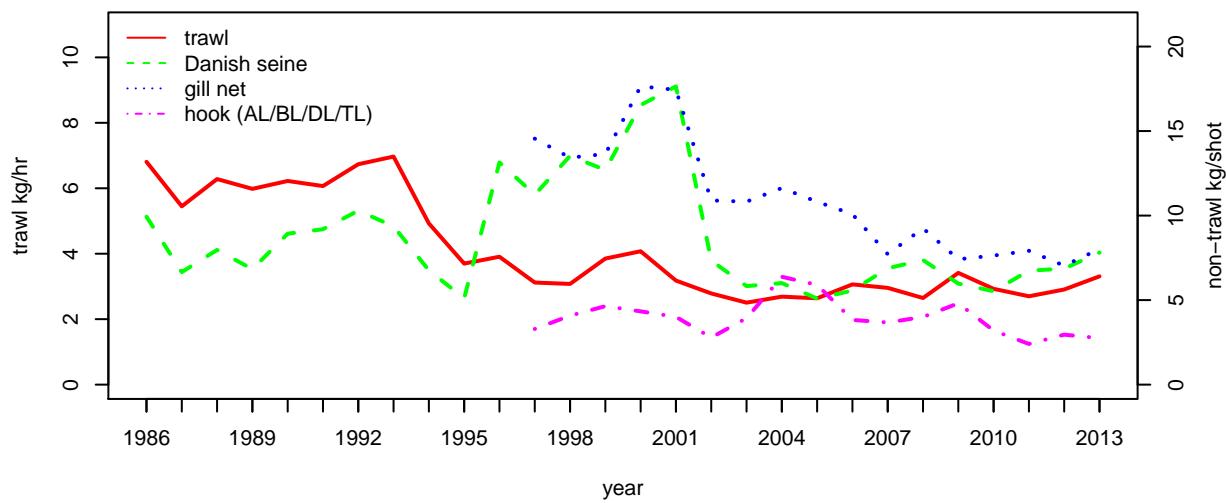
# Saw Shark

Sat Jul 19 16:36:27 2014  
region SHK unit code SHWF  
CAAB 37023002 37023001 37023000 37023900  
start month 1

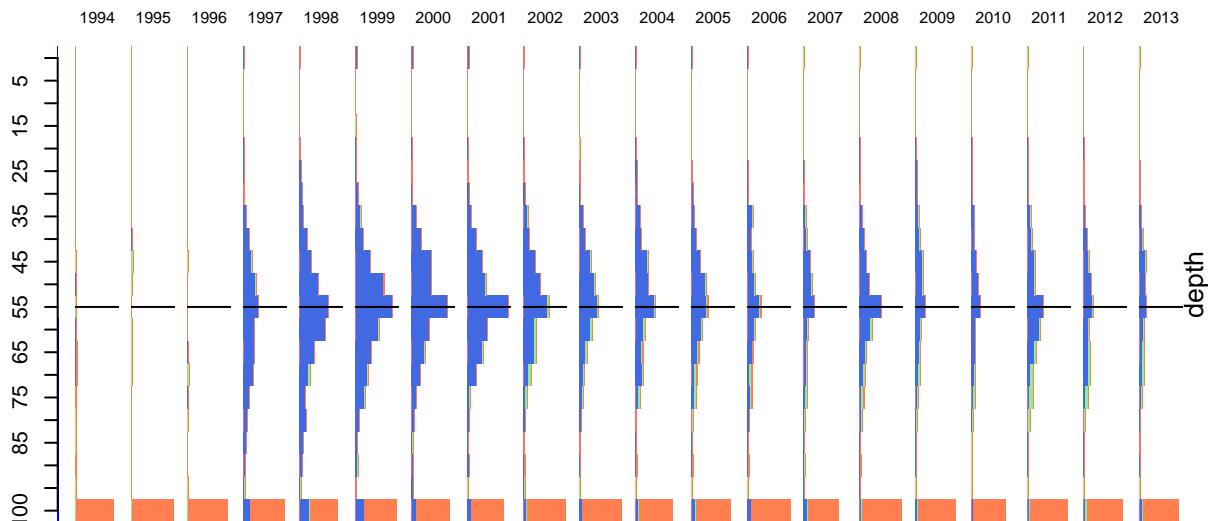
## TAC and landings



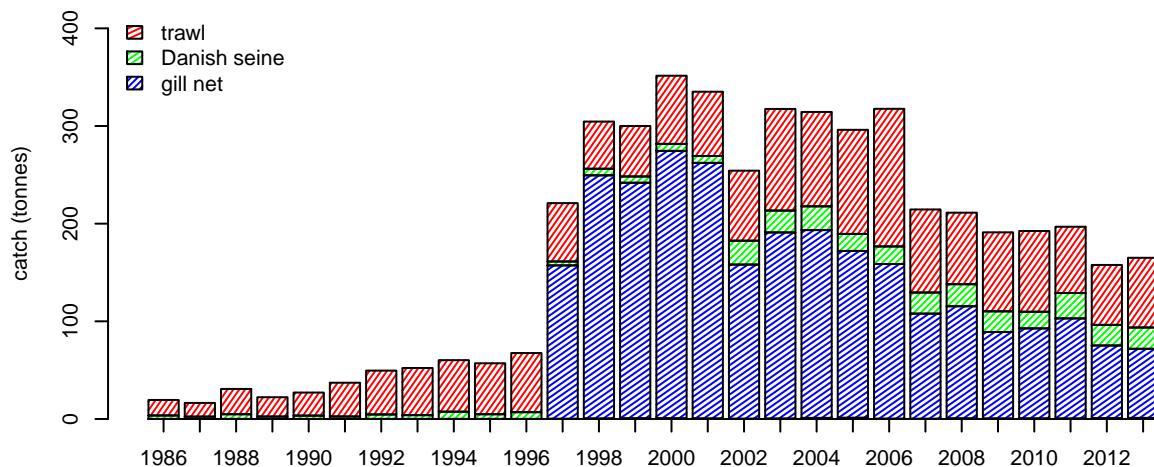
## Geometric mean CPUE



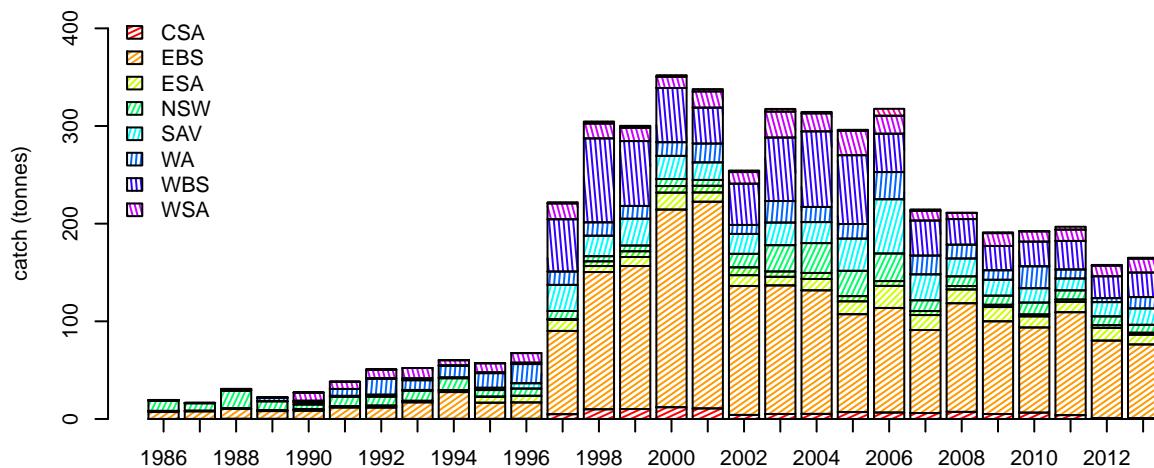
## Catch at depth



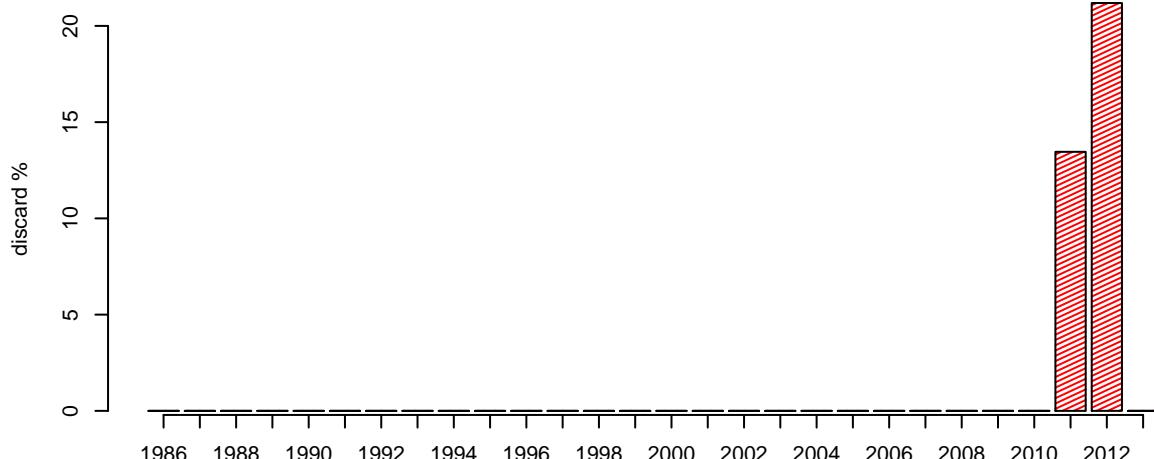
## Catch by gear



## Catch by zone



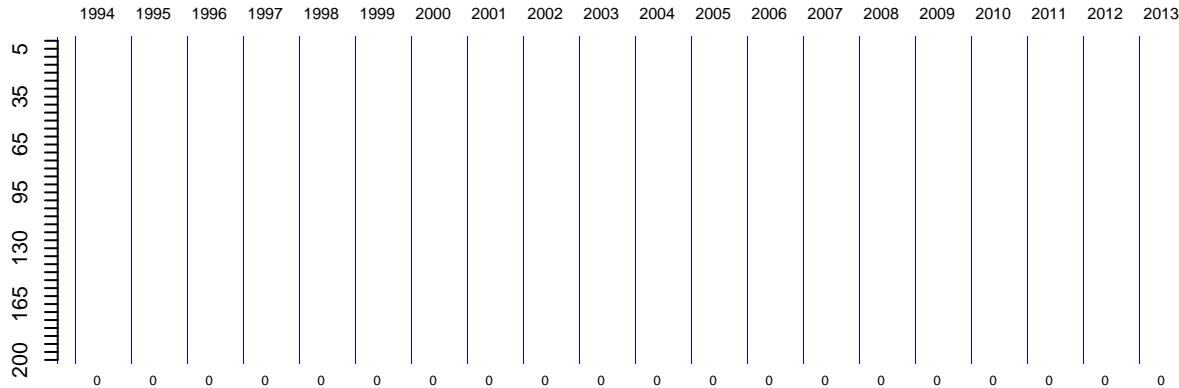
## Discards



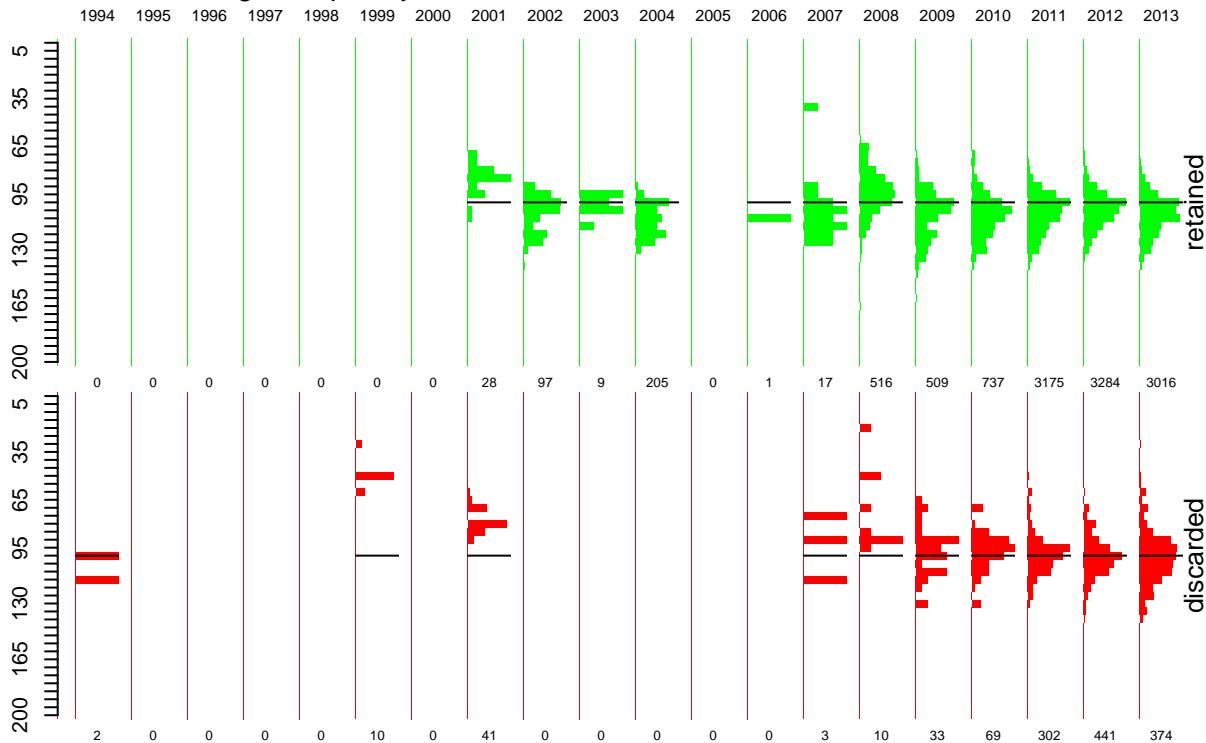
## Saw Shark

Sat Jul 19 16:36:52 2014

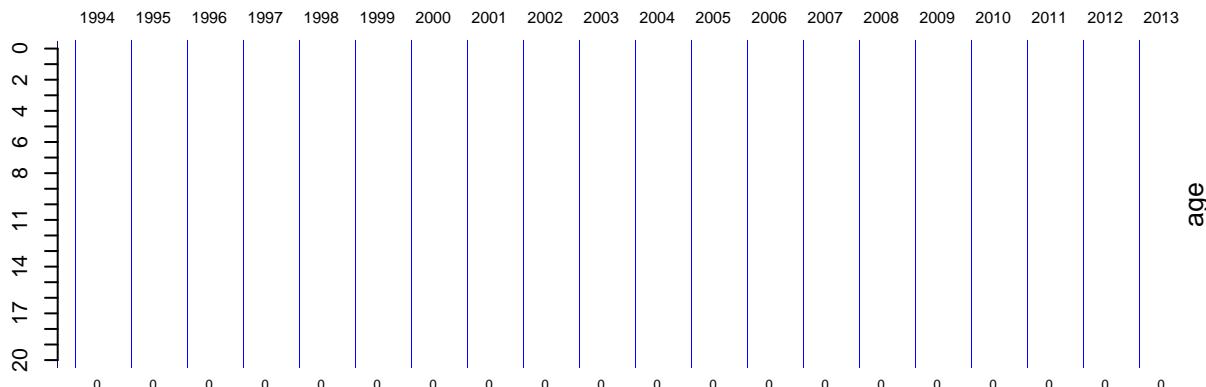
## Port length frequency



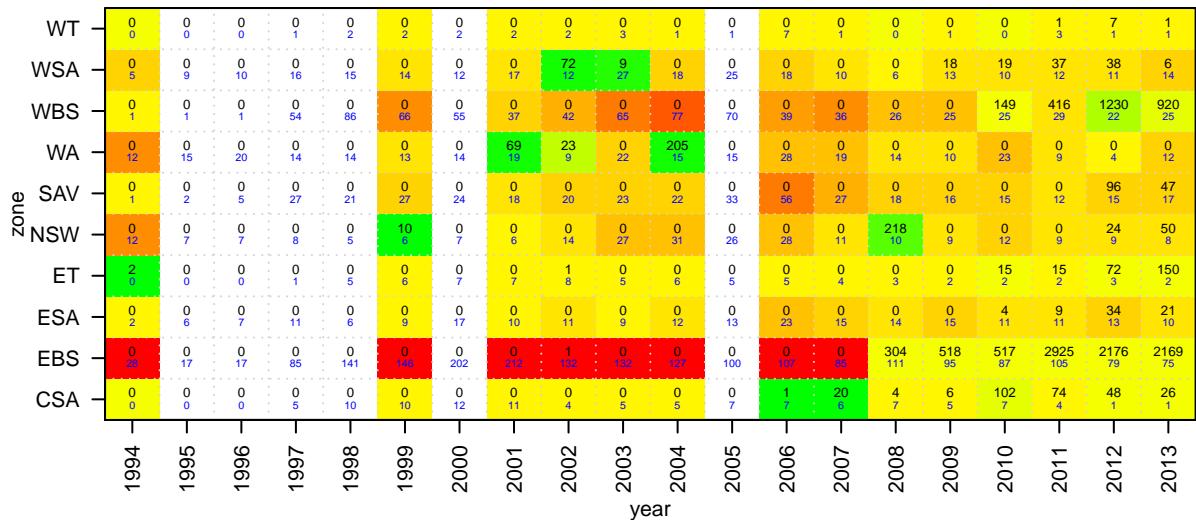
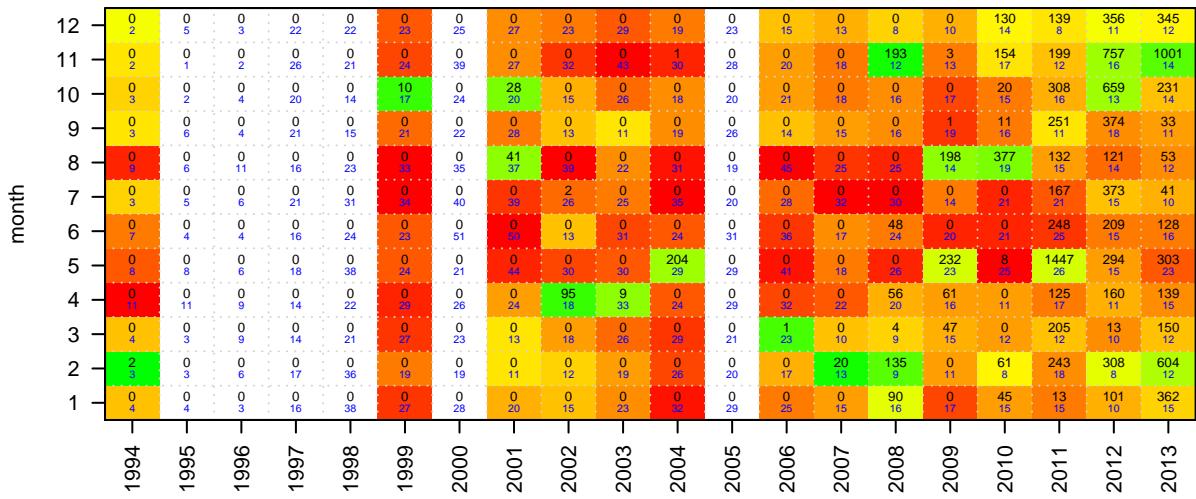
## Onboard length frequency



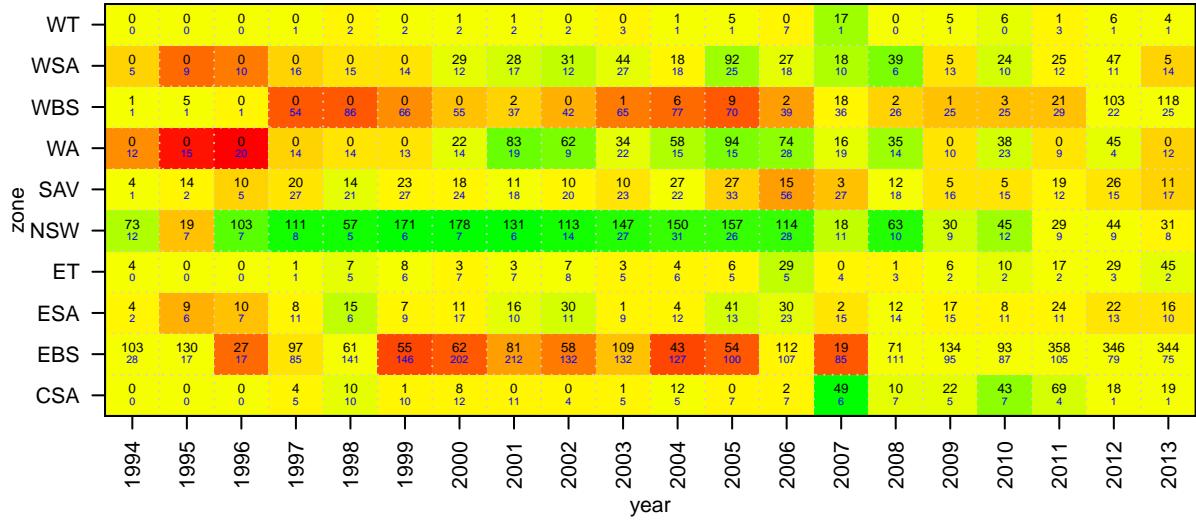
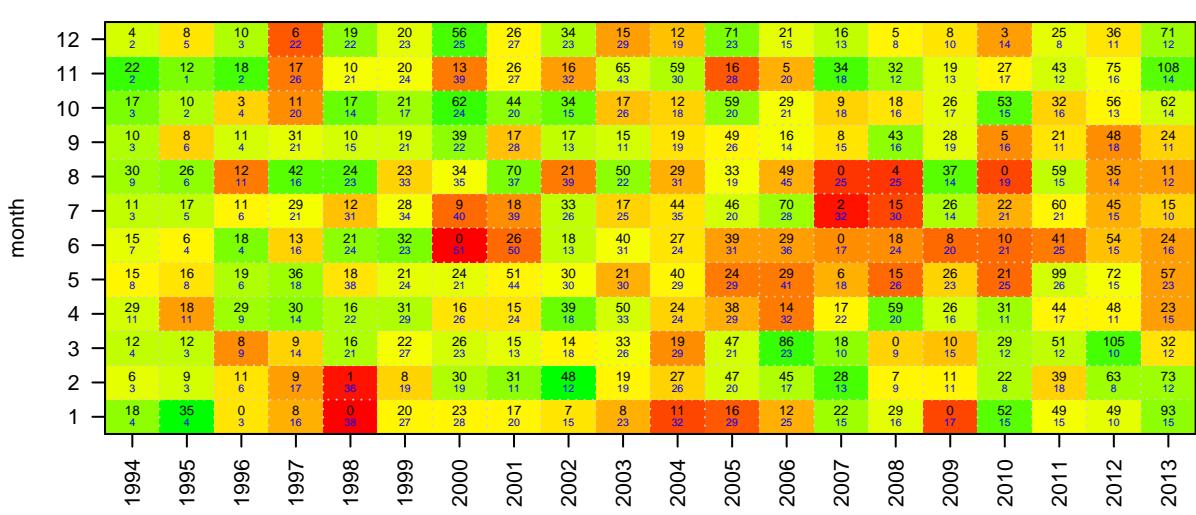
## Age frequency



## Onboard length data



## Onboard discard weight data





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