

Toestand vis en visserij in de zoete Rijkswateren

Deel III: Data

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Dit onderzoek is uitgevoerd in opdracht van het Ministerie van Economische Zaken (EZ) en Rijkswaterstaat (RWS). Voor het Ministerie van EZ is dit onderzoek uitgevoerd in het kader van de Wettelijke Onderzoekstaken.

1. Inleiding

Dit rapport bevat de resultaten van de vismonitoringen in de zoete Rijkswateren. Het omvat de volgende bemonsteringen:

- Open water monitoring IJssel- en Markermeer
- Oeverbemonstering IJssel- en Markermeer
- Bemonstering zeldzame vis IJssel- en Markermeer
- Bemonstering diadrome vis Kornwerderzand
- Actieve monitoring grote rivieren en delta
- Passieve monitoring grote rivieren en delta
- Zalmsteekmonitoring grote rivieren

De monitoringen in en rond het IJssel- en Markermeer worden gefinancierd door het ministerie van EZ, de monitoringen op de rivieren door Rijkswaterstaat.

Meer informatie over trends en vangsten is te vinden in rapportage deel I (Toestand vis en visserij in de zoete Rijkswateren. Deel I: Trends visbestanden, vangsten en ecologische kwaliteit ratio's) en over de gebruikte methodes en achtergronden van de bemonsteringen in rapportage Deel II (Toestand vis en visserij in de zoete Rijkswateren. Deel II: Methodes).

2. Kennisvraag

De monitoringen in de zoete Rijkswateren zijn opgezet ten behoeve van het monitoren van de visstand en worden tegenwoordig ook uitgevoerd om de ecologische toestand van de zoete Rijkswateren in kaart te kunnen brengen.

3. Methodes

De gebruikte monitoringsmethodieken in de verschillende programma's staan beschreven in rapportage Deel II (Toestand vis en visserij in de zoete Rijkswateren. Deel II: Methodes).

Alle gegevens van biomassa's zijn gebaseerd op omrekening van lengteverdelingen naar biomassa gebruik makend van lengte-gewichtrelaties. De omrekening is $W=a \cdot L^b$, waarbij a en b constanten zijn die per soort verschillen. W is de biomassa (in gram), L is de lengte (in cm). Bij de gemeten lengte is de helft van de meetnauwkeurigheid opgeteld omdat de metingen uitgevoerd worden 'to the cm (of mm) below', wat betekent dat vis tussen 11 en 12 centimeter wordt geregistreerd als 11. In de hierboven gegeven formule wordt de lengte van die vis $11+0.5 \cdot 1 \text{ cm}=11.5 \text{ cm}$.

De berekeningen van de gemiddelde aantallen en biomassa's per soort staan beschreven in Deel 2 van deze rapportage.

Voor alle monitoringen zijn de aantallen (totaal of CPUE) en waar mogelijk biomassa berekend per soort per gebied per jaar en waar relevant per vistuig en habitat. De gemiddelden voor de verschillende programma's zijn als volgt berekend:

- a. Actieve monitoringen IJsselmeergebied (open watermonitoring, oevermonitoring) en diadrome vis: gemiddeld per meer, station en jaar, daarna per meer en jaar.
- b. Fuikenmonitoring IJsselmeer en passieve monitoring rivieren: gemiddeld per gebied, maand en jaar, daarna per gebied en jaar
- c. Actieve monitoring rivieren: gemiddeld per regio en jaar

4. Resultaten

4.1 IJssel- en Markermeer

In en grenzend aan het IJsselmeer en Markermeer worden verschillende bemonsteringen uitgevoerd. De resultaten hiervan zullen in de verschillende paragrafen worden getoond.

4.1.1 Open water monitoring IJssel- en Markermeer

Tabel 4.1 Aantal trekken per tuig per meer in de open watermonitoring in het IJssel- en Markermeer, vanaf het moment dat de bemonstering op standaardwijze is uitgevoerd (1989).

	IJsselmeer			Markermeer		
	Elektrokro alle soorten	Grote kuil alleen aal	Grote kuil alle soorten	Elektrokro alle soorten	Grote kuil alleen aal	Grote kuil alle soorten
1989	*	26*	38	*	14*	15
1990	*	29*	40	*	14*	15
1991	1*	40*	40	1*	16*	15
1992	26	38	27	1*	18*	12
1993	1*	46	30	4*	20*	14
1994	58	39	29	29	18	12
1995	35	11	30	18	9	14
1996	78	18	29	14	6	14
1997	79	18	30	15	6	14
1998	19	18	28	10	10	14
1999	50	19	29	10	10	14
2000	21	21	33	12	8	14
2001	30	19	32	10	9	14
2002	20	20	29	11	10	14
2003	19	20	30	10	10	14
2004	21	19	29	10	10	14
2005	20**	20**	29	10**	10**	14
2006	19**	21**	29	10**	10**	14
2007	18	18	34	12	13	14
2008	21	19	29	9	9	14
2009	19	20	28	11	10	14
2010	25	25	48	12	7	8
2011	22	23	31	10	10	14
2012	22	20	47***	10	10	30***

* voor deze jaren zijn alleen de gegevens van aal meegenomen in de vangstaantallen in de elektrokro.

** voor deze jaren heeft een update plaatsgevonden in oktober 2012 waardoor de gemiddelden kunnen verschillen van voorgaande jaren

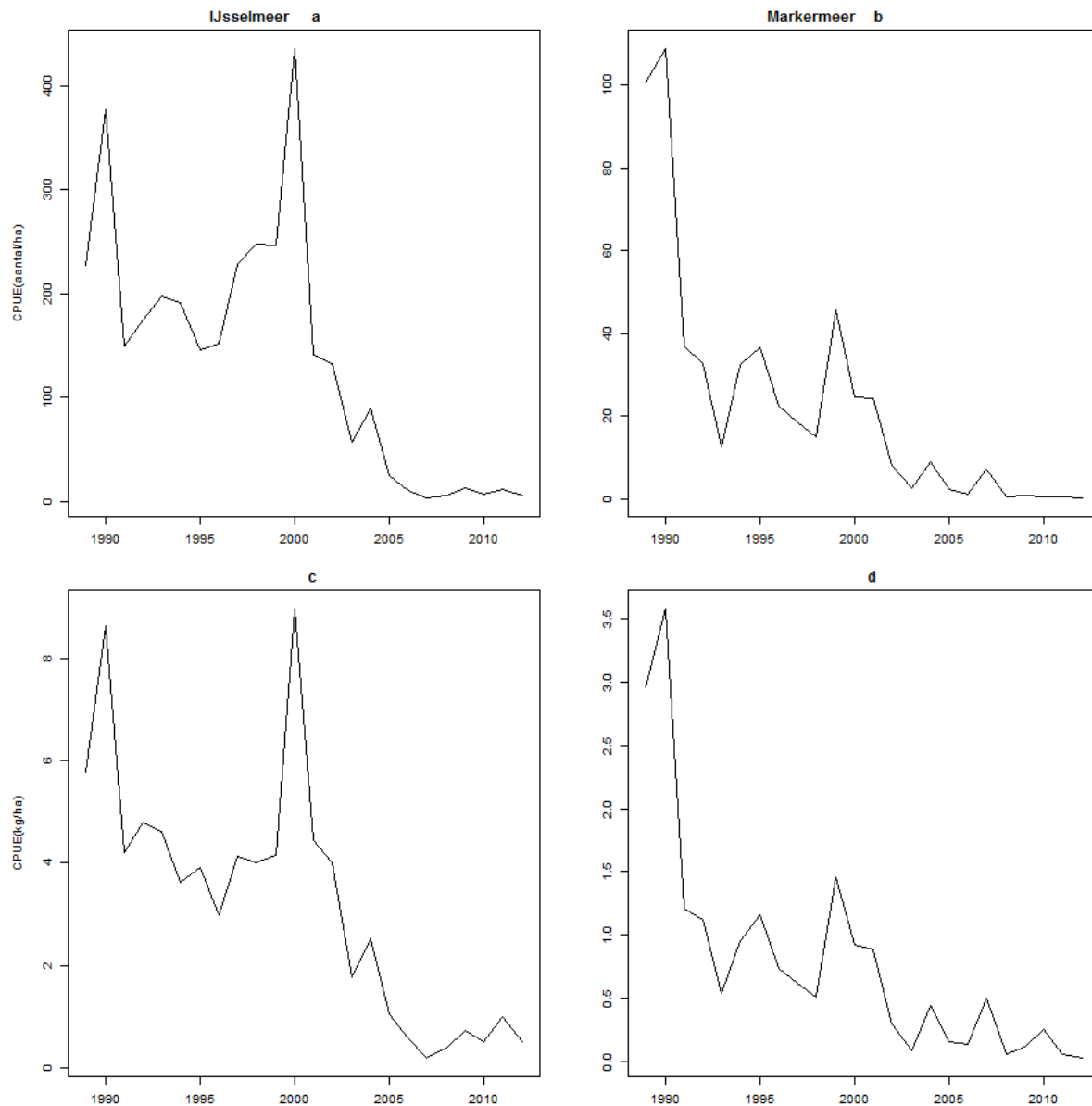
*** ten behoeve van vergelijkende visserij zijn in totaal 34 additionele trekken uitgevoerd; 18 in het IJsselmeer en 16 in het Markermeer. Deze gegevens zijn uitgevoerd op de standaard stations en daarom ook meegenomen in de berekeningen van de vangstgegevens.

Het aantal trekken per meer per jaar tussen 1966 en 1988 zijn weergegeven in Bijlage I, evenals de vangstgegevens van de open watermonitoring 1966-2012.

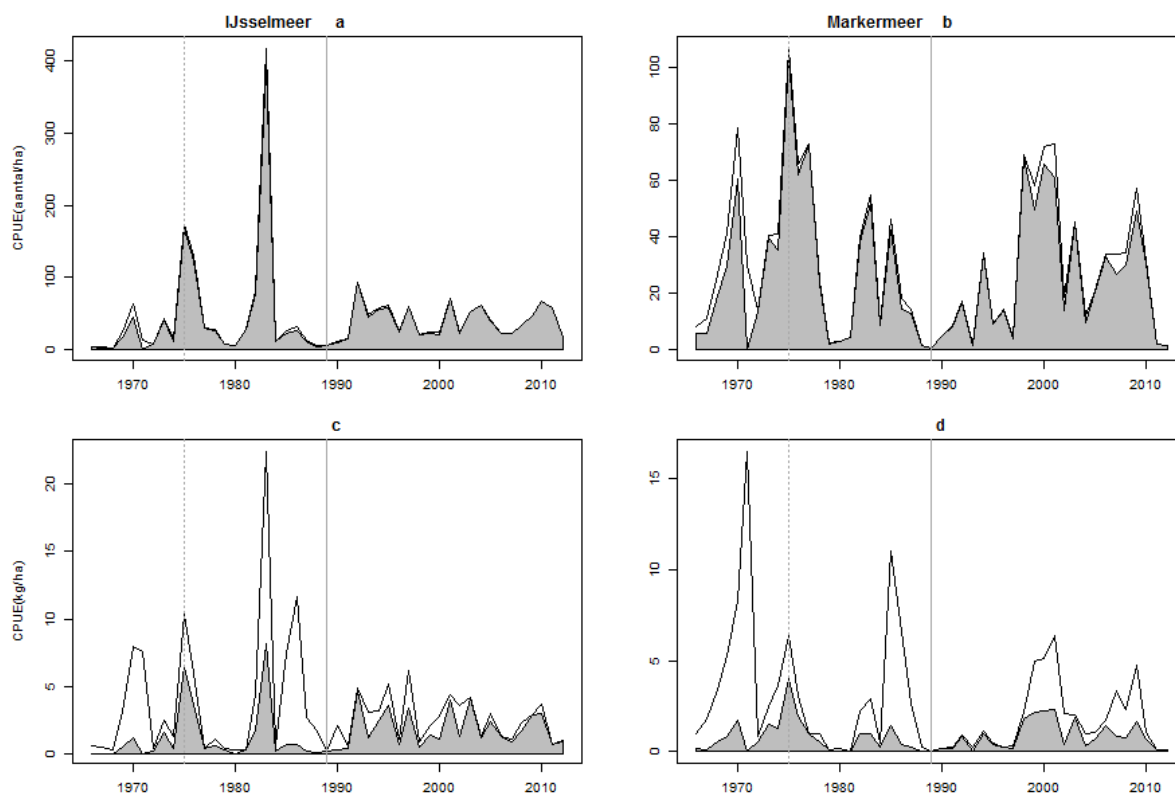
De onderstaande figuren laten de ontwikkeling van de aantallen en biomassa vis per soort zien voor de acht meest voorkomende en/of commercieel interessante vissoorten: aal, baars, blankvoorn, bot, brasem, pos, snoekbaars, spiering, voor het IJsselmeer en Markermeer. Indien mogelijk is er in de

figuren onderscheid gemaakt tussen juveniele vis ('nulgroep') en volwassen vis. De gegevens van het tuig waarvoor de vangstefficiëntie het grootst is, zijn uitgezet (de Leeuw *et al.*, 2000). Voor aal zijn de gegevens daarom afkomstig van de elektrostramienkor en voor de overige soorten zijn de gegevens van de grote kuil gebruikt. De vangsten van bot in het Markermeer zijn zeer beperkt en daarom worden voor deze soort gegevens uit het IJsselmeer gepresenteerd naast gegevens uit de Waddenzee (DFS bemonstering IMARES).

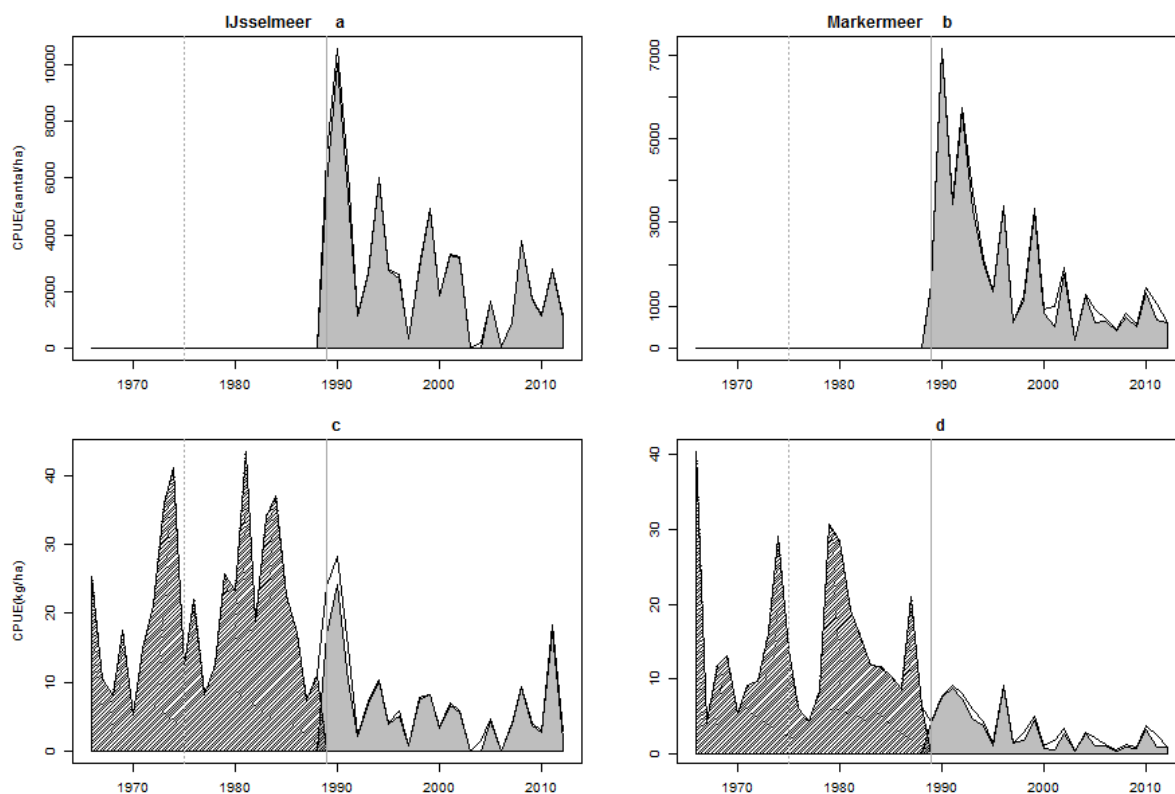
De lengtefrequentieverdelingen van de acht vissoorten in het IJssel- en Markermeer staan in Bijlage II.



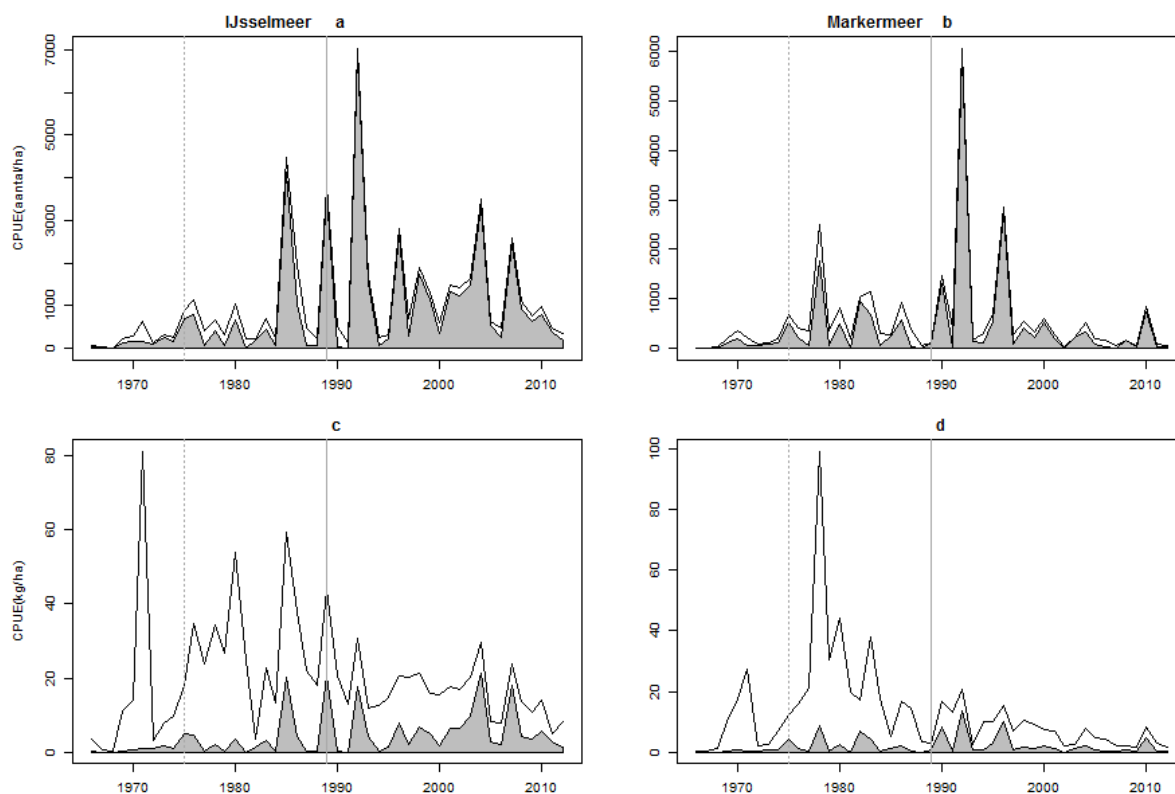
Figuur 4.1a Gestandaardiseerde aantallen (aantallen/ha) van aal per jaar in het IJsselmeer (a) en Markermeer (b) en gestandaardiseerd vangstgewicht (kg/ha) van aal in het IJsselmeer (c) en Markermeer (d) op basis van de vangst met de elektrostramienkor.



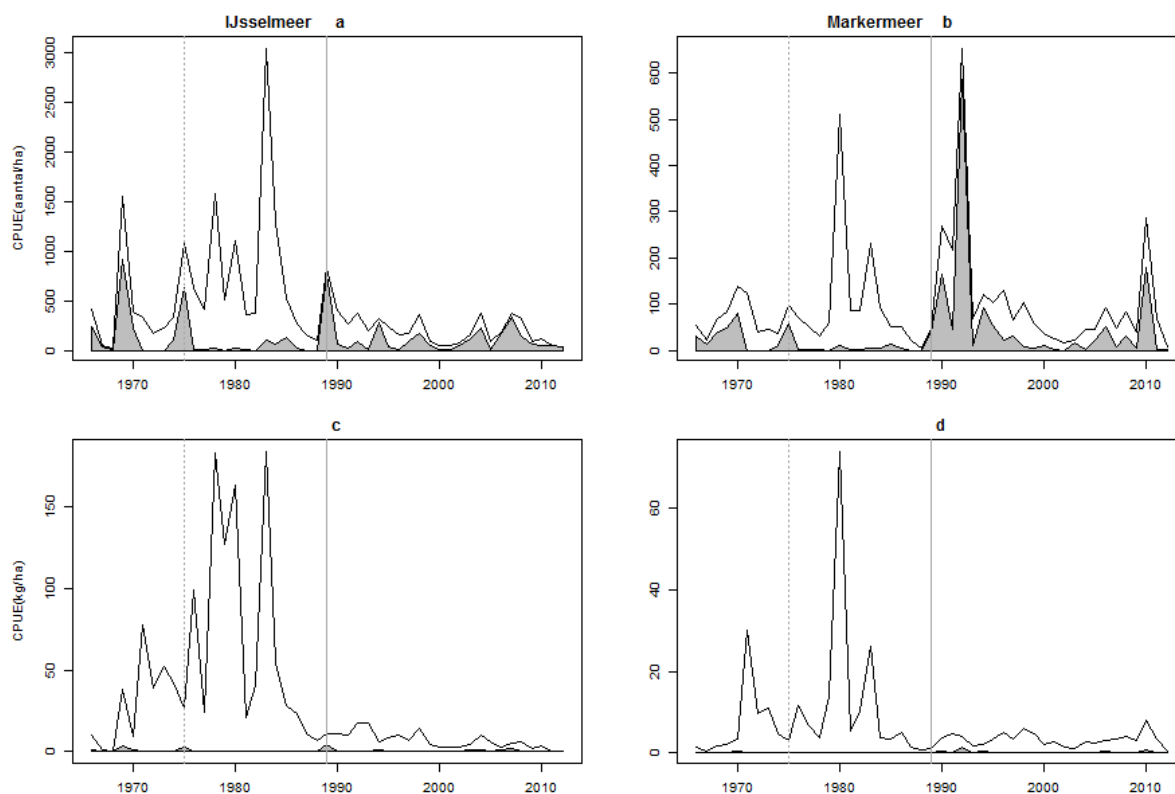
Figuur 4.1b. Gestandaardiseerde aantallen (aantallen/ha) van snoekbaars per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van snoekbaars in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar. De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



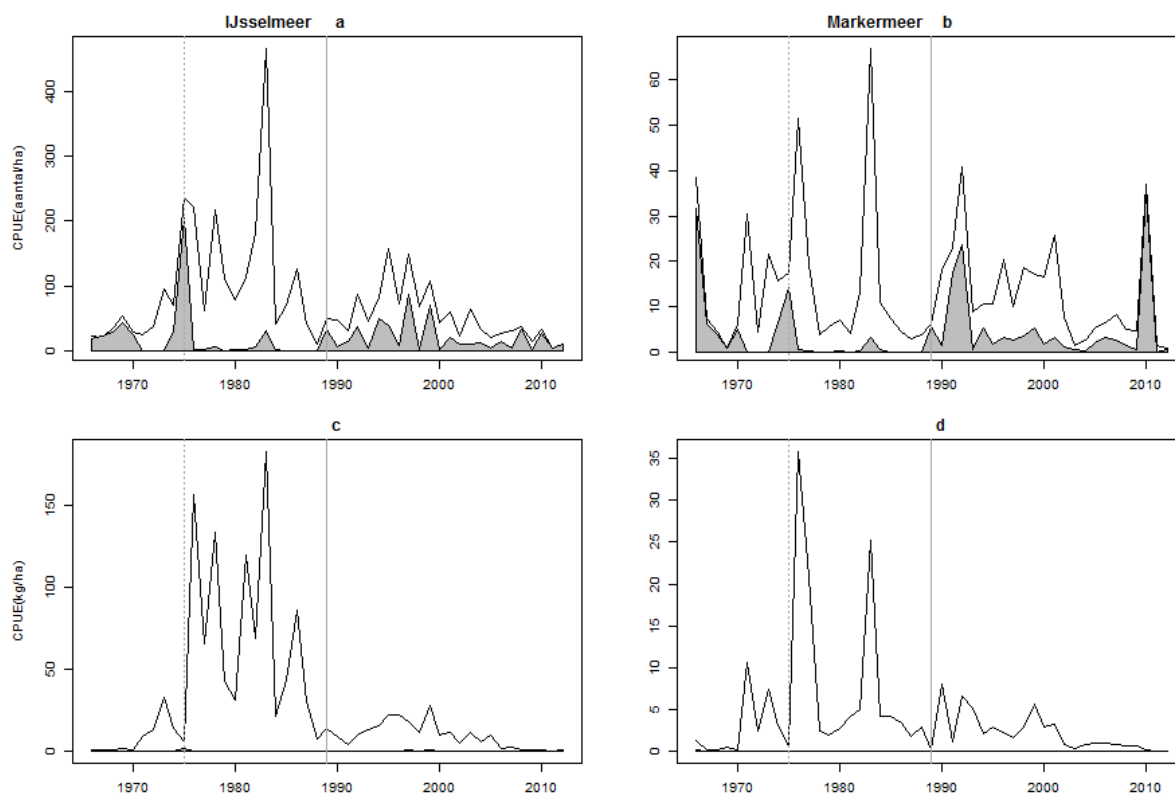
Figuur 4.1c. Gestandaardiseerde aantallen (aantallen/ha) van spiering per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van spiering in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar; het gearceerde gebied geeft het gehele bestand weer). De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



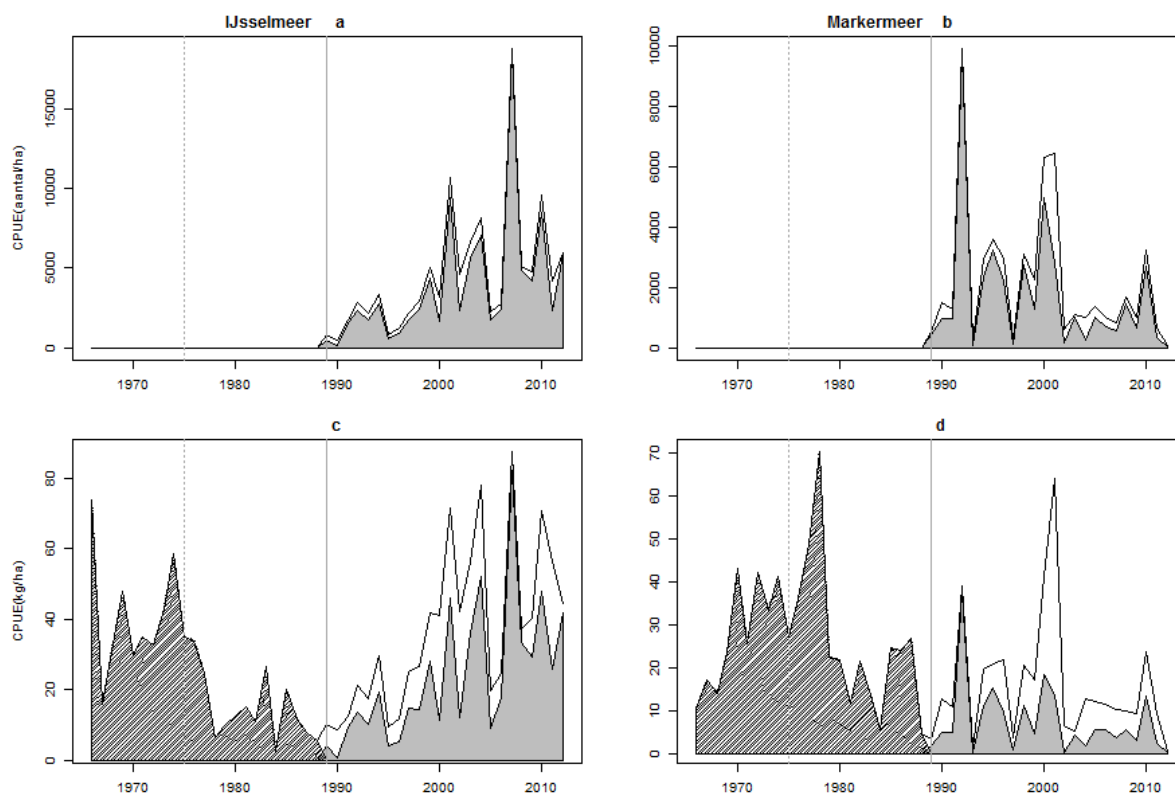
Figuur 4.1d. Gestandaardiseerde aantallen (aantallen/ha) van baars per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van baars in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar. De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



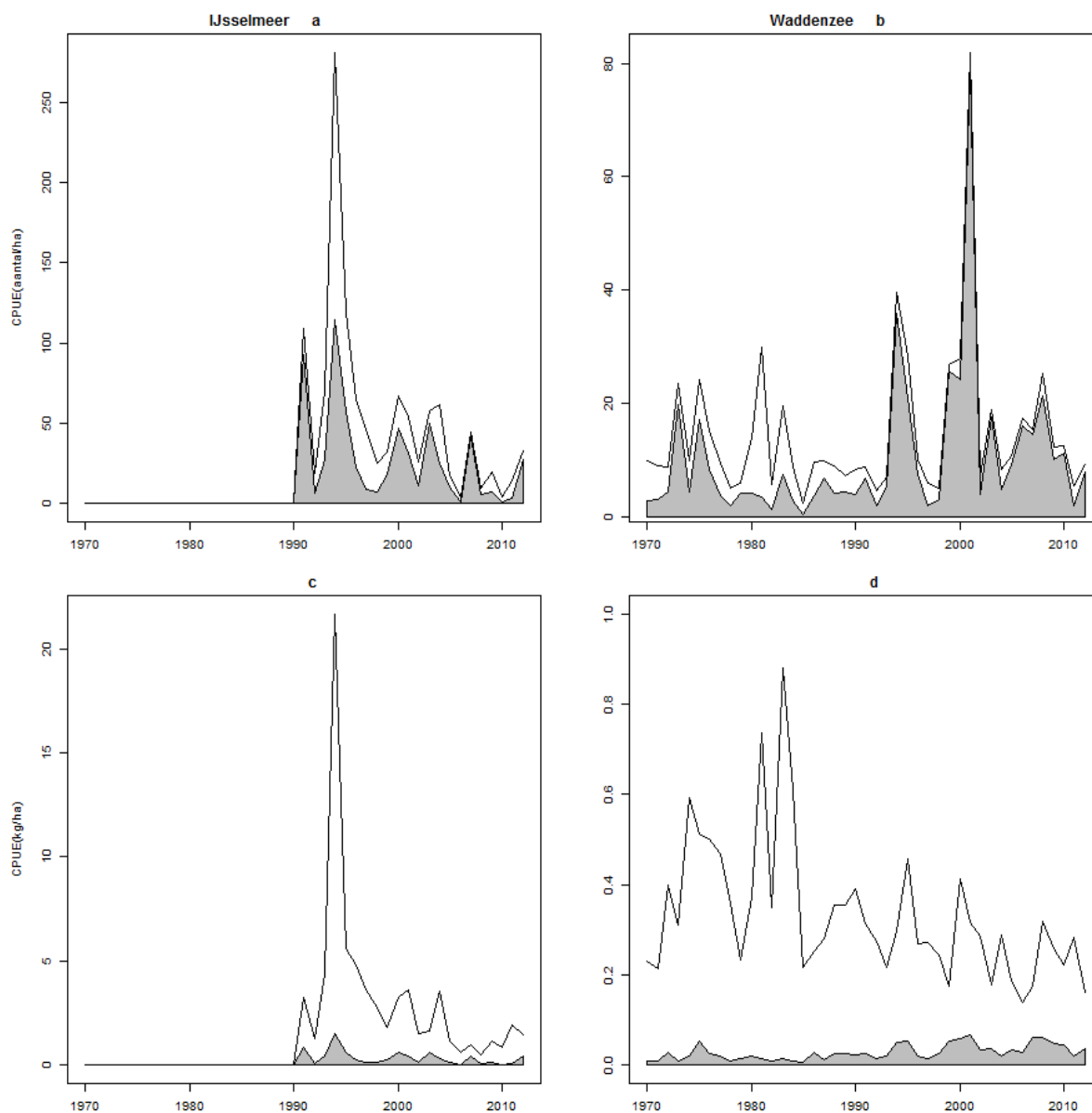
Figuur 4.1e. Gestandaardiseerde aantallen (aantallen/ha) van blankvoorn per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van blankvoorn in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar. De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



Figuur 4.1f. Gestandaardiseerde aantallen (aantallen/ha) van brasem per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van brasem in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar). De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



Figuur 4.1g. Gestandaardiseerde aantallen (aantallen/ha) van pos per jaar in het IJsselmeer **(a)** en Markermeer **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van pos in het IJsselmeer **(c)** en Markermeer **(d)** op basis van de vangst met de grote kuil (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar; het gearceerde gebied geeft het gehele bestand weer). De stippellijn geeft de scheiding van de twee meren door aanleg van de Houtribdijk weer; de getrokken lijn geeft de standaardisering van de bemonstering aan).



Figuur 4.1h. Gestandaardiseerde aantallen (aantallen/ha) van bot per jaar in het IJsselmeer **(a)** en gestandaardiseerd vangstgewicht (kg/ha) van bot in het IJsselmeer **(c)** op basis van de vangst met de elektrostramienkor. Totale aantallen (aantallen/ha) van bot per jaar in de Waddenzee **(b)** en gestandaardiseerd vangstgewicht (kg/ha) van bot in de Waddenzee **(d)** op basis van de vangst met de garnalenkor (grijze vlak geeft de nulgroep weer; het witte vlak de individuen ouder dan nul jaar).

4.1.2 Oevermonitoring IJssel- en Markermeer

Tabel 4.2 Aantal trekken per tuig per meer per habitat in de oevermonitoring in het IJssel- en Markermeer.

	<i>IJsselmeer</i>		<i>Markermeer</i>		
	habitat	Schepnet	Zegen	Schepnet	Zegen
2007	Oevers met riet	12		20	
	Oevers met stenen	18		28	
	Oevers met vooroever			2	
	Zandoevers		10		4
2007 totaal	30	10	50	4	
2008	Oevers met riet	14		20	
	Oevers met stenen	16		22	
	Oevers met vooroever			2	
	Zandoevers		14		4
2008 totaal	30	14	44	4	
2009	Oevers met riet	13		21	
	Oevers met stenen	18		29	
	Oevers met vooroever			1	
	Zandoevers		13		4
2009 totaal	31	13	51	4	
2010	Oevers met riet	15		20	
	Oevers met stenen	18		26	
	Oevers met vooroever			2	
	Zandoevers		11		3
2010 totaal	33	11	48	3	
2011	Oevers met riet	16		17	
	Oevers met stenen	27		30	
	Oevers met vooroever			0	
	Zandoevers		8		2
2011 totaal	43	8	47	2	
2012	Oevers met riet	14		18	
	Oevers met stenen	26		43	
	Oevers met vooroever			2	
	Zandoevers		6		2
2012 totaal	40	6	63	2	

De vangstgegevens van de oevermonitoring in het IJssel- en Markermeer staan in Bijlage III. De lengteverdelingen voor baars en blankvoorn staan in Bijlage IV.

De gemiddelde aantallen en biomassa's voor de bemonstering met het schepnet verschillen in een aantal gevallen ten opzichte van eerdere rapportages om een drietal redenen:

1. Er zijn specifiekere stations toegekend aan de gegevens 2007-2009 en de middeling van de gegevens heeft op een andere manier plaatsgevonden dan gebruikt in de vorige rapportages (o.a. van Overzee *et al.* (2011), C041/11). In de huidige methodiek wordt eerst gemiddeld per locatie en

dan pas per meer. In eerdere rapportages is direct gemiddeld per meer, waardoor locaties waar relatief veel trekken zijn uitgevoerd, zwaarder meetelden in het gemiddelde. Door eerst te middelen per locatie en dan per meer wegen alle locaties nu even zwaar.

2. Verschillen met voorgaande rapportages in biomassadichtheden (kg per ha) worden veroorzaakt door een aanpassing in de berekening van de biomassa op grond van lengte. Dit geldt voor alle soorten. Daarnaast zijn de biomassa's voor gibel zijn flink gewijzigd ten opzichte van eerdere rapportages omdat de lengte-gewichtrelatie niet correct was.
3. De gemiddelde aantallen en biomassa's voor de bemonstering met de zegen zijn voor 2008 (zegen) gewijzigd omdat de trekduur niet goed was ingevoerd. Dit is gecorrigeerd.

4.1.3 Zeldzame vis IJssel- en Markermeer

Tabel 4.3 Vangstinspanning voor het zeldzame vis project (IJsselmeer) per maand, uitgedrukt in aantal fuiken x aantal dagen gevist (fuiketmaal). De maanden dat er met aangepaste fuiken is gevist (in verband met aalverordening), zijn cursief aangegeven.

	<i>jan</i>	<i>feb</i>	<i>mrt</i>	<i>apr</i>	<i>mei</i>	<i>jun</i>	<i>jul</i>	<i>aug</i>	<i>sep</i>	<i>okt</i>	<i>nov</i>	<i>dec</i>
2001	0	0	0	0	2143	4526	5421	6313	6782	6294	3682	1274
2002	0	0	0	1024	5096	4840	5185	6914	7785	11391	7639	416
2003	0	0	104	990	6414	6307	6245	6851	7435	8229	5639	15014
2005	0	370	321	2781	3154	7233	10515	2269	3541	3038	2386	1605
2006	170	0	9	1450	3884	1804	1307	1676	2662	2168	1902	2240
2007	1166	1862	1384	2804	4571	1510	3403	5961	6683	13379	7746	2004
2008	78	0	0	1562	3388	2518	3272	3620	7424	7302	4194	1013
2009	0	0	0	701	3164	2318	4312	6528	7691	2370	0	714
2010	0	0	1169	2533	3546	3751	7212	6305	2603	2485	2287	536
2011	0	0	0	2976	4211	3429	6519	8215	4134	3898	2466	2888
2012	1517	0	206	2193	6622	6233	7836	11089	3606	4626	3786	3450

De lage vangstinspanning in februari en maart 2012 wordt veroorzaakt door twee factoren: in februari en maart 2012 lag er ijs op het IJssel- en Markermeer waardoor er niet gevist kon worden.

De vangstgegevens van deze bemonstering staan in Bijlage 5 en zijn opgesplitst in diadrome vissoorten, zoetwater vissoorten en overige soorten (bijv. krabben).

4.1.4 Diadrome vis Kornwerderzand

Tabel 4.4 Vangstinspanning voor het diadrome vis project (Waddenzee) per maand, uitgedrukt in aantal fuiken x aantal dagen gevist (fuiketmaal). De maanden dat er met aangepaste fuiken is gevist, zijn cursief aangegeven. Wijziging van inspanning in 2006 en 2007 ten opzichte van eerdere rapportages is het gevolg van het verwijderen van trekken waarin alleen lengtemonsters van fint zijn gemeten.

	<i>jan</i>	<i>feb</i>	<i>mrt</i>	<i>apr</i>	<i>mei</i>	<i>jun</i>	<i>jul</i>	<i>aug</i>	<i>sep</i>	<i>okt</i>	<i>nov</i>	<i>dec</i>
2001				49	210	210			203	210	175	
2002					28	189	224	70	213	203	175	
2003				119	217	168			217	224	168	
2005				98	217	196			196	217	184	
2006				84	210	171			196	217	178	
2007				210	203	189			196	219	175	
2008			21	196	224	154			217	224	168	
2009			18	203	203	151		21	196	214	147	
2010				189	224	196		28	189	220	168	

2011	21	223	217	126	21	217	219	126
2012		196	238	154	21	204	213	196

De vangstgegevens van de monitoring bij Kornwerderzand staan in Bijlage VI en zijn opgesplitst in diadrome vissoorten, zoetwater vissoorten, zoutwater vissoorten en overige soorten (bijv. krabben).

4.1.5 Overige gegevens van vis in het IJssel- en Markermeer

De aanlandingsgegevens van de afslagen rondom het IJsselmeer en Markermeer op basis van gegevens van Productschap Vis staan in Bijlage X.1.

De gegevens van de glasaalmonitoring bij Den Oever staan in Bijlage X.2.

4.2 Grote rivieren en delta

4.2.1 Actieve monitoring grote rivieren en delta

De actieve monitoring in de grote rivieren is van 1992 tot en met winterhalfjaar 2005/2006 uitgevoerd door IMARES en in de jaren daarna door Natuurbalans-Limes Divergens en Stichting RAVON. De bemonsteringsmethodiek is niet veranderd. De gegevens zijn daarom als één geheel opgewerkt.

De vangstgegevens van de actieve monitoring grote rivieren zijn te vinden in Bijlage VII, tabel VII.1 tot en met VII.4. De lengte-frequentieverdelingen voor 18 soorten staan ook in Bijlage VII, figuur VII.1 tot en met VII.18. De lengte-frequenties zijn uitgezet als CPUE waarbij de vangst is uitgedrukt in biomassa.

Niet alle gebieden zijn in alle jaren bemonsterd. In tabel 6.1 staat een overzicht van het aantal trekken per gebied. Indien een cel in deze tabel leeg is, is in het betreffende jaar niet in die regio gevist. In de bijlagen staan dan soms wel lege grafieken, deze dienen dan beschouwd te worden als 'niet bevestigd'. Indien een bemonstering in alle jaren is uitgevoerd dan dient een lege grafiek in de bijlage beschouwd te worden als 'niet waargenomen'. In de bijlagen staat in welke jaren een gebied bemonsterd is.

De gegevens van de ankerkuilbevissing aan het eind van de jaren 90 zijn niet in de bijlagen opgenomen omdat een ankerkuil een passief tuig is en de bemonstering slechts in een aantal gebieden en tijdens een korte periode heeft plaatsgevonden.

Tabel 6.1 Overzicht aantal trekken per vistuig per regio en habitat per jaar in de actieve monitoring in de rivieren, vanaf winter 1996-1997.

	tuig	habitat	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	totaal		
Benedenloop Gelderse IJssel	Boomkor	M	5	5	5		5	1	5	4	5	5	5	3	6	5	5	5	69		
		O	5	5	5	10	5	10	5	6	5	5	5	7	5	5	5	5	93		
		Z	2	2	2	2	2	2	2	2	2	2	2	2	4	2	2	3	3	36	
	Schepnet	O	7	6	6	8	7	7	6	7	7	7	5	5	5	4	6	6	7	99	
		O	2	2	2	1	2	2	3	2	2	2	2	2	2	2			1	1	28
		Z																			15
Bovenloop Gelderse IJssel	Ankerkuil	O	5	5	5															15	
		Boomkor	M	12	12	12	10	8	2	11	12	12	12	12	10	15	12	12	12	12	176
			O	12	12	13	19	13	26	12	13	12	12	12	15	13	14	14	14	14	226
	Z		4	4	4	4	5	5	5	3	4	4	4	4	3	6	6	7	7	72	
	Schepnet	O	12	13	13	12	3	11	13	15	12	11	13	13	15	14	15	14	15	14	199
		O	4	4	4	6	3	4	7	4	4	4	4	6	2	5	6	6	8	77	
Z																				77	
Bovenloop Nederrijn	Boomkor	M	8	8	8	7	7	5	9	10	10	9	10	9	6	6	6	6	6	124	
		O	12	12	12	16	13	18	18	13	16	14	16	11	10	10	12	12	12	215	
		Z	4	4	4	4	4	4	3	4	4	4	4	4	4	5	9	10	7	82	
	Schepnet	O	6	10	10	9	8	9	8	4	6	7	8	6	6	6	7	7	9	120	
		O	2	2	2	4	3	2	3	6	3	4	2	2	2	2	2			39	
		Z																			242
Bovenloop Waal	Boomkor	M	16	16	14	16	3	16	16	17	16	16	16	16	16	16	16	16	16	242	
		O	16	16	18	17	8	16	16	16	16	16	16	18	20	19	17	20	265		
		Z	4	5	6	6	10	6	7	5	6	6	6	6	6	5	5	5	6	94	
	Schepnet	O	6	8	10	8	2	6	8	7	6	4	6	6	6	7	10	11	10	115	
		O	4	5	6	6	1	8	4	9	8	8	8	8	6	6	4	3	4	90	
		Z																			91
Getijden Lek	Boomkor	M		6	3	4	7	4	7	6	6	6	6	7	8	7	7	7	91		
		O		12	15	14	12	11	7	8	8	8	8	11	11	11	11	11	158		
		Z		6	7	8	9	5	6	6	6	6	6	6	4	3	4	4	84		
	Schepnet	O		4	7	6	7	7	7	7	7	7	12	10	6	9	9	9	114		
		O		2	5	5	5	5	4	3	4	4			4	1	1	1	44		
		Z																			85
Getijden Maas	Boomkor	M		10	5	5	9	5	5	6	5	5	5	5	5	5	5	5	85		
		O		13	16	14	13	11	10	10	10	10	10	10	10	10	10	10	10	167	
		Z		3	4	4	4	4	4	5	4	4	4	4	5	5	5	5	65		
	Schepnet	O		7	8	9	9	9	6	6	5	5	5	5	8	12	12	15	121		
		O		4	5	7	6	5	8	7	8	9	9	7	4					79	
		Z																			16
Grensmaas	Schepnet	M	1		2	1	1	1	2	1	1		1	1	1	1	1	1	16		
		O	7	11	9	10	10	10	10	10	10	11	10	10	10	10	10	10	10	158	
		Z	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	15		
Grevelingen	Boomkor	M												24				28	52		
		O																			
Hollands diep	Boomkor	M	31	59	60	61	64	60	60	60	60	60	60	60	60	60	58	75	41	929	
		O															2	2	2	6	
	Schepnet	O		18	25	24	27	25	25	23	26	26	24	20	20	19	29	12		343	
		Z							2				2							4	
Nieuwe Merwede	Ankerkuil	O		2	1	1													4		
		Boomkor	M	8	8	9	8	8	9	7	8	8	8	9	8	8	8	8	8	8	130
			O	2	10	9	10	10	9	11	10	10	10	9	11	10	10	10	10	10	151
	Z														1	1	1	1	4		
	Schepnet	O		7	7	7	10	9	8	9	9	9	9	9	7	7	6	7	8	119	
		O								1							1			2	
Z																				32	
Noordzeekanaal	Boomkor	M													16				16		
		O													8				8		
		Z													7				6		
Oude Maas	Ankerkuil	O		2	2	1													5		
		Boomkor	M	8	4	6	5	5	5	5	6	5	5	5	5	5	7	7	7	90	
			O	8	4	8	10	10	10	10	9	10	10	10	10	10	8	8	8	143	
	Z		1																1		
	Schepnet	O		5	7	6	6	6	5	5	6	6	6	5	5	2	2	3	75		
		O								1							3	3	3	10	
Z																				11	
Rijn	Ankerkuil	O	4	3	4														11		
		Boomkor	M	6	4	4	2	2	3	6	7	6	6	6	6	6	6	6	6	6	82
			O	6	10	11	10	6	9	6	5	6	6	6	6	6	7	7	6	6	113
	Z		4	2	4	4	4	3	5	6	6	6	6	6	6	6	3	4	7	76	
	Schepnet	O	5	6	4	4	3	4	5	4	4	4	4	4	4	5	4	4	4	68	
		O	2	3	5	4	5	4	3	4	4	4	4	4	3	3	2	4	4	58	
Z																				17	
Twentekanaal	Boomkor	M														17			17		
		O														19			19		
		Z														2			2		
Volkerak	Boomkor	M	24											23			24		71		
		Kuil	M												4					4	
		Schepnet	O												9		9		18		
Zandmaas	Boomkor	M													12	17	16	15	13	73	
		O													25	27	26	28	22	128	
		Z													15	14	17	17	16	79	
	Schepnet	O													15	13	11	13	14	66	
		O													3	7	8	7	7	32	
		Z																			266
totaal			266	382	414	410	365	394	398	391	391	386	394	507	533	460	550	478	6719		

4.2.2 Fuikenmonitoring grote rivieren en delta

Tabel 7.1 Overzicht inspanning (fuiketmaal) per vistuig per gebied in de fuikenmonitoring in 2011.

<i>gebied</i>	<i>vistuig</i>	<i>jan</i>	<i>feb</i>	<i>mrt</i>	<i>apr</i>	<i>mei</i>	<i>jun</i>	<i>jul</i>	<i>aug</i>	<i>dec</i>	<i>totaal</i>
01(IJsselmeer)	Staanfuik					160	144	112	136		552
02(IJsselmeer)	Staanfuik					84	144	108	144		480
03(Markermeer)	Staanfuik					108	107	139	119		472
04(Markermeer)	Staanfuik					108	98	126	131		464
05(IJmeer)	Staanfuik					105	115	115	141		475
07(Veluwemeer)	Staanfuik						28	140	132		300
08(Wolderwijd)	Staanfuik				28	88	136				251
09(Gooi- Eemmeer)	Staanfuik					24	111	111	145		391
14(Zwartemeer)	Schietfuik				39	130	119	116	133		536
30(Zoommeer)	Staanfuik					116	128	120	116		480
32(Haringvliet est.)	Staanfuik			14	29	31	15				89
34(Haringvliet est.)	Staanfuik	23	29	35	57	59	16			28	247
36(Veerse meer)	Hokfuik	59	137	105	93	40	63	7			504
Totaal		82	166	154	245	1051	1223	1094	1197	28	5240

Tabel 7.2 Overzicht inspanning (fuiketmaal) per vistuig per gebied in de fuikenmonitoring in 2012.

<i>Gebied</i>	<i>vistuig</i>	<i>jan</i>	<i>feb</i>	<i>mrt</i>	<i>apr</i>	<i>mei</i>	<i>jun</i>	<i>jul</i>	<i>aug</i>	<i>dec</i>	<i>totaal</i>
02(IJsselmeer)	Staanfuik					114	88	164	120		486
03(Markermeer)	Staanfuik					113	111	140	111		475
05(IJmeer)	Staanfuik					24	111	113	140		388
07(Veluwemeer)	Staanfuik						84	112	140		336
08(Wolderwijd)	Staanfuik				68	111	88	147	120		534
09(Gooi- Eemmeer)	Staanfuik					24	120	108	140		391
14(Zwartemeer)	Schietfuik					127	124	128	128		507
32(Haringvliet est.)	Staanfuik		7	25	28	38	20				118
34(Haringvliet est.)	Staanfuik	34	28	29	58	65	49	28	18	29	338
36(Veerse meer)	Hokfuik	67	55	49	28				59		258
Totaal		101	90	103	182	615	795	939	977	29	3830

De vangstgegevens van de passieve monitoring in de rivieren en delta staan in Bijlage VIII. In Bijlage VIIIA staan de gegevens uit 2011, Bijlage VIIIB bevat de gegevens over 2012.

4.2.3 Zalmsteekmonitoring grote rivieren

Tabel 8.1 Vangstinspanning voor de zalmsteekmonitoring per maand, uitgedrukt in aantal fuiken x aantal dagen gevist (fuiketmaal).

	maand	IJssel	Lek	Maas	Nederrijn	Waal
1994	6		31	35		57
	7		52	62		84
	8			35		51
	10		29	29		12
	11		75	50		30
	12		56	46		24
1994 totaal			243	257		258

	maand	IJssel	Lek	Maas	Nederrijn	Waal
1995	6		41	49		2
	7		22	50		26
	10		20			
	11		62	56		
	12		14			
1995 totaal			160	155		28
1996	6		27	38		
	7		52	36		
	10		11	20		
	11		20	56		
1996 totaal			110	150		
1997	1		7			
	6	26	40	44		75
	7	17	3	40		48
	10	3	19	22		
	11	23	37	54		
1997 totaal		69	106	160		123
1998	6	41	42	30		44
	7	38	38	46		32
	10	18		17		22
	11		14	22		14
	12		24	22		24
1998 totaal		97	118	137		136
1999	6	34		32		40
	7	42	56	42		60
	8		28			
	10	18	12	16		27
	11	55	60	54		90
	12	4	10	4		4
1999 totaal		152	166	148		221
2000	6	37	46	25		64
	7	40	34	24		53
	9			2		
	10	18	20	25		34
	11	59	66	31		85
	12			4		
2000 totaal		154	166	110		237
2001	6	40	46	10		58
	7	22	30	3		58
	10	22	22	8		35
	11	42	38	18		74
2001 totaal		126	136	39		225
2002	6	38	36	40		38
	7	40	43	44		56
	10	16	8	20		24
	11	18		60		
	12	10	26	2		27
2002 totaal		122	113	166		144
2003	6	20	42	44	21	60

	maand	IJssel	Lek	Maas	Nederrijn	Waal
	7	11	30	36	12	34
	10	12	22	21	12	39
	11	30	56	72	30	79
	12			2		6
2003 totaal		73	149	175	75	218
2004	6	25	48	46	24	51
	7	17	37	40	17	34
	10	14	18	26	14	23
	11	28	62	54	28	76
2004 totaal		83	165	166	83	184
2005	6	25	46	48	25	61
	7	15	31	36	15	51
	10	16	28	28	16	48
	11	25	60	56	25	75
	12		31			
2005 totaal		81	196	168	81	234
2006	6	26	42	50	25	76
	7	17	37	30	17	43
	10	15	28	29	15	60
	11	27	56	54	27	99
2006 totaal		85	162	163	84	277
2007	6	26	50	50	26	74
	7	13	28	38	13	51
	10	15	29	32	15	57
	11	23	61	51	24	78
2007 totaal		77	168	171	78	260
2008	6	25	56	56	24	91
	7	14	28	28	14	42
	10	18	68	36	18	33
	11	24	96	52	24	87
2008 totaal		81	249	172	81	253
2009	6	29	54	58	27	92
	7	12	24	23	12	48
	10	21	32	39	21	80
	11	21	48	45	21	103
2009 totaal		84	157	165	81	324
2010	5					8
	6	30	60	60	30	90
	7	10	18	22	10	27
	10	21	34	40	21	66
	11	18	50	45	18	56
2010 totaal		79	161	167	79	247
2011	5					6
	6	25	57	56	25	116
	7	15	24	20	15	35
	10	22	48	42	22	70
	11	20	38	38	20	65
2011 totaal		81	167	156	81	292
	5	5	6	6	5	16

	maand	IJssel	Lek	Maas	Nederrijn	Waal
	6	28	56	60	28	122
	7	8	15	14	8	27
	10	25	45	12	25	92
	11	17	38	30	17	53
2012 totaal		83	160	122	82	310

De vangstgegevens van de zalmsteekmonitoring zijn te vinden in Bijlage IX, IXa en IXb. Bijlage IX bevat de gegevens over zalm en zeeforel voor alle jaren, Bijlage IXa betreffen gegevens van de volledige vangsten uit 2011. De gegevens voor de volledige vangsten over 2012 staan in Bijlage IXb. De gegevens in Bijlage IXa en IXb zijn opgesplitst in anadrome vissoorten en overige vissoorten.

Kwaliteitsborging

IMARES beschikt over een ISO 9001:2008 gecertificeerd kwaliteitsmanagementsysteem (certificaat nummer: 124296-2012-AQ-NLD-RvA). Dit certificaat is geldig tot 15 december 2015. De organisatie is gecertificeerd sinds 27 februari 2001. De certificering is uitgevoerd door DNV Certification B.V. Daarnaast beschikt het chemisch laboratorium van de afdeling Vis over een NEN-EN-ISO/IEC 17025:2005 accreditatie voor testlaboratoria met nummer L097. Deze accreditatie is geldig tot 1 april 2017 en is voor het eerst verleend op 27 maart 1997; deze accreditatie is verleend door de Raad voor Accreditatie.

Referenties

Leeuw, J.J. de 2000. Visstand en Visserij in het IJsselmeer en Markermeer: het monitoringsprogramma in de onderzoeksperiode 1996-1999. RIVO rapport C027/00.

Overzee, H.M.J. van , I.J. de Boois, O.A. van Keeken, E. van Os-Koomen, J.A. van Willigen, M. de Graaf 2011. Vismonitoring in het IJsselmeer en Markermeer in 2010. Rapport C041/11, 113 p.

Verantwoording

Rapport C060/13

Projectnummer: 4301218007, 4301218008, 4301218009, 4302101001

Dit rapport is met grote zorgvuldigheid tot stand gekomen. De wetenschappelijke kwaliteit is intern getoetst door een collega-onderzoeker en het betreffende afdelingshoofd van IMARES.

Akkoord: N. Tien
onderzoeker

Handtekening:



Datum: 17 maart 2014

Akkoord: J. Schobben
Afdelingshoofd afdeling Vis

Handtekening:



Datum: 17 maart 2014

Bijlage I. Vangstgegevens open watermonitoring IJssel- en Markermeer

Tabel I.1 Aantal trekken per tuig per meer in de open watermonitoring in het IJssel- en Markermeer, voor het moment dat de bemonstering op standaardwijze is uitgevoerd (1989).

	<i>IJsselmeer</i>			<i>Markermeer</i>		
	Elektrokor		Grote kuil	Elektrokor		Grote kuil
	alle soorten	alleen aal	alle soorten	alle soorten	alleen aal	alle soorten
1966	-	-	4	-	-	2
1967	-	-	7	-	-	7
1968	-	-	3	-	-	1
1969	-	-	7	-	-	14
1970	-	-	18	-	-	18
1971	-	-	12	-	-	19
1972	-	-	13	-	-	15
1973	-	-	13	-	-	15
1974	-	-	12	-	-	20
1975	-	-	8	-	-	21
1976	-	-	19	-	-	16
1977	-	-	13	-	-	10
1978	-	-	34	-	-	9
1979	-	-	28	-	-	5
1980	-	-	17	-	-	11
1981	-	-	23	-	-	13
1982	-	-	29	-	-	9
1983	-	-	24	-	-	14
1984	-	-	38	-	-	5
1985	-	-	38	-	-	23
1986	-	-	38	-	-	15
1987	-	-	44	-	-	7
1988	-	-	42	-	-	20

Tabel I.1 Grote kuil: CPUE (aantal per ha) per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring.

soort	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
aal	0.21	30	2.5	3.06	22	5.17	8.16	3.88	1.2	6.88	3.33	11	1.58	0.31	0.75	0.76	13	0.49	0.94	7.12	1.95	3.82	0.05
alver		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
baars	7.92	9.24	20	203	367	213	87	104	189	671	403	356	2505	347	817	181	1037	1147	302	277	916	369	43
blankvoorn	54	22	68	82	138	124	39	45	38	97	70	53	30	59	509	85	87	230	92	51	51	23	5.37
bot		0	0	0	0	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brakwatergrondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	39	7.43	4.58	1.02	6.25	30	4.58	22	16	17	51	19	4	5.52	7.17	4.12	13	67	11	7.45	4.59	3.03	3.75
chinese wolhandkrab		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
diklipharder		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekebaars	23	0.07	0	0	0	0.83	0	0	2.6	0	0	0	0.13	0.94	50	3.61	1.56	0	9.84	1.74	0.52	15	14
europese rivierkreeft		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gemarmerde grondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevekte Amerikaanse rivierkreeft		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gewone garnaal		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
giebel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide		0	0.07	0	0	0	0	0	0	0	0	0.14	0.17	0	0	0	0	0	0	0	0	0	0
karper		0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos																							
rivierdonderpad		0	0.07	0	0	0	0	0	0	0	0	0	0	0.21	0	0	0	0	0.31	0.78	0	4.1	0.87
riviergrondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rivierprik		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	7.92	11	27	41	124	30	14	41	41	106	65	73	24	2.08	2.71	4.04	40	55	8.75	46	18	14	1.35
spiering																							
sprot		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekebaars		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeeforel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
totaal	132	80	122	330	657	403	153	216	288	898	592	512	2565	415	1387	279	1192	1499	425	391	992	432	68

Tabel I.1 (vervolg) Grote kuil: CPUE (aantal per ha) per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
aal	0,02	5,29	0,23	1,01	0	0,97	1,16	6,08	0	1,72	1,36	0,95	13	0,34	0	0,12	0	0,07	0,08	0	0	0	0	0	0
alver	0	0	0	0	0	0	0	0	0	0,28	0,1	0,18	0,07	1,68	0,39	0,51	5,07	4,36	2,03	1,07	0,37	0,54	0,61	0,8	0,8
baars	122	1477	419	6046	167	309	704	2840	266	530	327	598	276	26	225	511	183	156	51	171	42	851	93	47	47
blankvoorn	47	270	218	652	69	122	103	130	64	103	56	36	25	16	21	46	46	91	50	83	40	287	69	7,54	7,54
bot	0	0	0	0	0	0	0	0	0	0	0	0,09	0	0	0	0	0	0	0	0	0	0	0	0,04	0,04
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	6,37	18	23	41	8,99	11	11	21	9,99	19	17	17	26	7,86	1,39	2,76	5,5	6,67	8,2	5,18	4,69	37	1,64	1,03	1,03
chinese wolhandkrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,08	0	0	0	0	0	0	0,14	0	0,07	0,07
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,07	0	0	0	0
driedoornige stekelbaars	0,82	11	16	7,36	2,3	1,92	0,24	6,45	25	0,36	2,83	1,8	0,09	0,52	1,62	0,15	0	0,81	3	0,27	0,67	8,44	6,28	260	260
europese rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,23	0,16	0	0	0	0	0	0	0	0
gemarmerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,09	0	0	0
gevlekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0,27	0,23	0,15	0	1,12	0,16	0,18	0,37	2,27	1,29	0,85	0,85
gewone garnaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide	0	0	0,02	0,06	0	0	0	0	0	0,03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,09	0	0,14	0	0	0
kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0,04	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,18	0	0
pos	523	1492	1273	9895	211	2928	3575	2954	294	3093	2256	6309	6421	608	1079	990	1355	1001	823	1691	1002	3227	660	58	58
riverdonderpad	0	18	2,51	5,79	16	1,51	12	7,96	0,07	15	2,29	4,59	1,2	0,1	1,31	0,53	0,52	1,62	0,08	0,27	0,37	42	2,68	0,67	0,67
rivergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpelling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	0,51	4,81	8,26	17	1,83	34	9,16	14	3,98	69	58	72	73	18	45	12	21	34	34	34	57	31	1,91	1,2	1,2
spiering	1546	7155	3489	5739	3711	2118	1373	3391	606	1255	3324	921	978	1925	183	1264	921	688	454	833	556	1434	1052	614	614
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0	0,2	0	0	0,06	0	0	0,03	0	0	0,09	0,03	0	0	0	1,29	0	0,18	0,07	1,46	0	0	0
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
totaal	2246	10451	5449	22404	4187	5526	5789	9370	1269	5086	6045	7961	7813	2604	1558	2827	2537	1986	1426	2819	1704	5922	2510	1005	1005

Tabel 1.2 Grote kuil: CPUE (aantal per ha) per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring.

soort	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
aal	1.1	64	3.92	4.76	8.13	3.49	21	10	2.07	5.1	12	12	4.02	2.17	0.24	2.46	11	2.18	0.82	0.72	2.7	1.31	0.26
alver	0	0	0	0	0	0	0	0	0	0	0.09	0	0	0	0	0	0	0	0	0	0	0	0
baars	68	16	6.94	225	279	629	139	325	267	879	1130	411	668	304	1030	230	213	707	231	4485	1959	483	217
blankvoorn	413	45	25	1552	383	331	168	224	330	1081	633	409	1570	507	1098	354	378	3033	1285	525	259	163	104
bot	1.1	4	0	1.19	0	2.13	1.14	0.19	0.5	0.21	0	2.25	0.75	4.96	4.72	0.54	1.12	1.5	0.83	4.07	3.77	2.13	4.02
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	23	21	35	53	29	26	38	95	71	237	222	62	217	112	78	115	181	466	42	70	127	42	9.81
chinese wolhandkrab																							
dikkopje	0																						
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekelbaars	0.63	0.13	0	1.31	0	0.19	0	0	0	0	0	0	0	0	7.82	0	0	0	0	0.24	0	0.34	0.57
europese rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gemarmeerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gewone garnaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide	0	0.08	0	0	0	0	0	0.09	0.08	0	0.28	0.21	0	0	0	0	0	0	0.01	0.01	0	0	0.13
karper	0	0	0	0.12	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0.04	0	0	0	0	0.05	0	0	0	0	0	0	0.14	0	0	0	0.18	0	0.01	0	0	0
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos																							
rivierdonderpad	0	0	0	0	0	0	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0.01	0	0.47	0.56
riviergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rivierprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0
snoekbaars	4.64	3.63	2.36	25	71	14	7.58	43	14	172	139	30	28	7.94	6.14	28	81	416	12	26	32	13	5.68
spiering																							
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0.04	0.87	0	0.1	0.09	0.05	0	0.04	0	0	0	0.09	0.08	0	0.5	0.14	0.18	0.13	0.42	0.91	0.35	0.1
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
 totaal	5.12	154	74	1862	770	1006	375	697	685	2374	2136	927	2488	938	2225	731	865	4626	1572	5111	2384	706	342

Tabel I.2 (vervolg) Grote kuil: CPUE (aantal per ha) per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aal	0.65	1.33	1.45	1.87	2.24	1.99	0.92	1.19	2.03	0.57	1.55	3.06	0.11	0	0	0	0.13	0.08	0	0	0.06	0.05	0.07	0.31
alver	0	0	0	0	0	0	0	0	0	0	0	0	1482	1425	1650	3504	628	456	2569	1118	760	992	475	354
baars	838	405	264	378	194	323	237	161	166	360	90	53	48	81	162	373	85	189	379	322	88	110	53	29
blankvoorn	1.98	1.41	16	11	22	34	11	17	148	12	6.33	1.3	32	8.27	12	5.73	1.78	0.77	2.86	0.23	3.22	3.19	1.62	12
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	60	24	63	34	20	27	32	36	14	33	4.67	11
brasem	50	47	32	88	46	83	157	73	149	69	108	44	0.12	0.43	0.29	0.03	0.22	0.07	0.22	0.42	2.89	1.01	0.9	0.9
chinese wolhandkrab																								
dijkkopje																								
diklipharder																			0.07	0	0	0	0	0
driedoornige stekelbaars	0.02	1.68	0.09	1.19	1.55	1.59	0.74	1.32	0.22	6.43	3.01	0.85	0.32	0.54	0.42	2.09	0.12	0.21	1.33	3.84	3.12	24	625	42
europese rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.7	0	0.35	0	0	0	0	0	0.05	0
gemarmerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04
gevekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	2.59	0	0	0	0.09	0.62	1.33	0	0.18
gewone garnaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0
giebel	0	0	0	0	0	0	0.003	0	0.24	0	0	0	0	0	0	0	0	0.08	0	0.22	0	0.19	0	0
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0.03	0	0
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring	0	0.08	0.08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0.04	0.31	0.1	0.68	0.03
hybride cyprinide	0.02	0	0.09	0.02	0.07	0	0.003	0.01	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0
kapier	0	0	0	0.12	0	0.29	0.1	0	0.03	0	0	0	0	0	0.03	0	0	0.04	0	0.05	0	0.84	0	0
kleine modderkruiper	0	0	0	0	0	0	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0	0	0.01	0.07	0	0	0	0	0.07	0	0	0	0	0	0.08	0	0	0	0	0	0	0	0
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.36
p. longrostris	0	0	0	0	0.04	0.11	0	0	0	0.01	0.07	0.15	0.11	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	792	495	1714	2828	2146	3330	862	1202	2192	2896	5024	3175	10691	4639	6641	8178	2257	2756	18727	5107	4812	9610	4146	5927
riveronderpad	1.62	0.25	0	2.98	4.78	1.49	4	0.78	0.1	33	1.95	4.21	0.32	0.16	0.42	1.78	0.2	0.07	0.07	0.34	1.49	14	15	3.78
rivergrondel	0	0	0	0	0	0	0	0	0	0	0.002	0	0	0.06	0.07	0	0	0	0	0	0	0	0	0.02
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0.05	0	0
serpeling	0	0	0	0	0	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0
snoek	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04
snoekbaars	5.42	11	15	93	49	58	62	25	58	21	24	23	72	24	53	61	40	22	23	34	47	67	57	18
spiering	6778	10568	6233	1150	2635	5999	2773	2616	289	2889	4912	1863	3315	3205	6.18	177	1665	13	892	3800	1759	1155	2799	1141
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0	0.37	0	1.17	0	0	0.18	0	0
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0.28	0	0	0.05	0.005	0.03	0.07	0.21	0.34	0.05	0.21	0.06	2.92	2.36	0.14	2.49	1.29	0.45	0.39	1.7	0.45	0.04
zeeforel	0	0	0	0	0	0.003	0	0.007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
totaal	12293	12033	8409	11576	6760	10081	4433	6915	3543	8172	11464	5769	15706	9408	8598	12342	4698	3467	22628	10424	7490	12015	8179	7542

Tabel 1.3 Electrokor: CPUE (aantal per ha) per soort per jaar gevangen met de electrokor in het Markermeer tijdens de open water monitoring. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aal	101	109	37	33	13	32	37	23	19	15	46	25	24	81	267	89	237	1.21	7.16	0.54	0.91	0.63	0.46	0.19
alver				0	0	0	0.23	0	0	0	0.81	0	0	0.36	0	0.78	0.36	0.61	2.23	0.46	0	0.18	3.17	0
baars				6020	100	216	455	1274	161	461	243	123	123	68	918	430	140	41	119	100	87	411	228	73
blankvoorn				487	38	174	129	72	37	42	33	19	7.42	30	65	25	22	15	32	31	32	125	66	3.5
bot				0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0	1.12	0.46	0.3	0	0	0
brakwatergrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem				29	2.51	13	4.45	6.2	3.18	3.44	5.69	3.82	6.29	7.49	2.06	2.02	1.82	1.24	2.39	5.09	3.64	12	4.08	2.3
chinese wolhandkrab				0	0	0	0	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0	0	0	0
diklipharder				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekelbaars				19	5.08	0	0.9	3.88	1.83	8.11	1.43	0.41	0	0.37	0	0	1.08	0	0.32	0.46	1.82	11	64	239
europese rivierkreeft				0	0	0	0	0	0	0	0	0	0	0	1.36	0	0	0	0	0	0	0	0	0
gemaarnde grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevekte Amerikaanse rivierkreeft				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	2.55	0.46	0.3	0.46	5.43	0.37
gewone garnaal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
giebel				0	0	0	0	0	0	0	0	0	0.47	0	0	0	0	0	0	0	0	0	0	0
grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
karpel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos				8885	238	3809	4701	2693	182	2977	3539	3656	2928	1240	2522	1415	1474	206	1663	1039	1557	3537	1694	243
riverdonderpad				139	2.53	1.81	5.15	21	0.82	30	11	10	4.19	2.36	2.93	4.72	1.45	1.26	1.59	1.85	2.42	1	11	1.56
rivergrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
riverprik				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars				26	0	9.08	3.14	2.55	4.18	21	17	6.63	20	10	22	7.29	13	7.14	17	39	43	49	6.37	9.21
spiering				4815	2021	1145	2964	2332	744	2073	1505	3202	736	3766	338	2239	296	1175	520	912	2475	1668	1298	756
sprot				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekelbaars				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde				0	0	0	0	0	0	0	0	0	0	0.37	0.46	0	0	0	0	0	0	0.93	0	0
zeeforel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
 totaal	101	109	37	20453	2420	5400	8300	6428	1153	5631	5402	7046	3849	5133	3874	4133	1952	1449	2368	2130	4203	5816	3381	1561

Tabel I.4 Electrokor: CPUE (aantal per ha) per soort per jaar gevangen met de electrokor in het IJsselmeer tijdens de open water monitoring. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
aal	227	377	149	175	198	191	146	152	228	248	246	436	141	133	57	90	25	11	341	576	13	752	12	6.3	
alver																0.18	0	0	0	0	0	0	0	0	0
baars				8218	2552	454	609	4506	1482	2235	2039	1128	2780	4051	10523	7976	2764	489	8151	2406	711	696	1289	243	
blankvoorn				186	43	845	145	103	121	90	72	43	37	85	209	276	67	146	511	302	84	33	117	31	
bot				19	70	281	119	65	46	25	32	67	54	26	57	61	17	3.8	44	9.25	20	4.24	14	33	
brakwatergrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21	0	0	
brasem				11	12	19	77	22	44	37	53	25	19	25	19	12	12	10	14	29	9.65	9.87	12	4.5	
chinese wolhandkrab				0	0	0	0	0	0	0	0	0	0	0.55	1.89	0.91	0.18	0.48	0.78	2.48	0.18	1.61	3.43	2.37	
diklipharder				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0	0	0	0	0	
driedoornige stekelbaars				0	388	0	0.1	0.65	0.93	9.09	0.23	1.71	0	0	0.6	1.85	0	0	0.78	0.61	5.96	51	513	68	
europese rivierkreeft				0	0	0	0	0	0	0	0	0	0	0	0.27	0	5.31	0	0	0	0	0	0	0	
gemarmerde grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
gevekte Amerikaanse rivierkreeft				0	0	0	0	0	0	0	0	0	0	4.03	0	30	0	8.08	11	13	4.91	10	7.1	1.78	
gewone garnaal				0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.74	0	0	0	0	0	0	
giebel				0	0	0	0	0	0.38	0	0	0	0	0	0	0	0	0.33	0	0	0	0	0	0	
grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	
harder ongespecificeerd				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
haring				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
houting				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.21	0	0	
hybride cyprinide				0	0	0	0	0	0	0	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	
karper				0	0	0	0.19	0	0	0	0	0	0	0	0.19	0	0	0	0	0	2.06	0	0.83	0	
kleine modderkrupper				0	0	0	0	0	0	0	0	0	0	0.37	0.19	0	0.15	0.31	0	0	0	0.44	0.41	0	
kolblei				0	0	0	0	0.04	0	0	0.19	0	0	0	0	0.19	0	0	0	0	0	0	0	0	
naakthalsgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	
p. longrostris				0	0	0	0.06	0.1	0.19	0	0.84	1.68	0.73	0	0	0	0	0	0	0	0	0	0	0	
pontische stroomgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
pos	4630	5243				2755	1612	2793	3469	4545	8305	4637	11853	11108	14757	11522	7139	2607	26007	6123	9364	6889	4065	5363	
riverdonderpad	0	388				0	19	11	3.21	21	11	51	5.47	2.69	0.58	24	1.86	0.78	10	12	8.77	16	201	52	
rivergrondel				0	0	0	0	0.82	0.02	0	0	0.78	0	0	0	0	0.17	0	0.19	0	0	0	0.44	0	
riverpriek				0	0	0	0	0	0	0	0.19	0	0	0.19	0	0	0	0	0	0	0	0	0	0	
serpeling				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneekbaars				0	35	47	45	16	31	28	33	23	57	11	48	167	41	7.18	12	28	25	13	135	7.33	
spletering				838	5387	31961	4299	3336	117	2920	6884	1931	5511	5353	8.21	117	1644	5.48	625	2061	2227	1184	2482	3024	
sprot				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	2.08	0	0	5.13	0	
trenddoornige stekelbaars				0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	
winde				0	388	0	0.19	0.04	0	0.19	0	0.2	1.86	0.18	4.07	3.49	0.5	0.94	0.58	0.21	1.05	0.25	0.87	0.4	
zeeforel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
totaal	227	377	149	14077	13552	36553	7072	11006	5543	10158	17677	8345	20460	20800	25713	20282	11717	3295	35391	10997	12475	8917	8882	8909	

Tabel 1.5 Grote kuil: CPUE (kg per ha) per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring.

soort	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
aal	0	0	0	0	0	0	0	0	0	0	1.41	0.57	0.08	0	0.43	0.15	0	0.26	0	0	0.1	0.19	0
alver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
baars	0.27	0.31	0.67	6.9	12	20	1.82	2.18	5.11	12	16	21	99	30	44	20	17	38	18	4.96	16	14	3.44
blankvoorn	1.32	0.54	1.66	2.15	3.35	30	9.64	11	4.84	2.97	12	6.74	3.71	14	74	5.25	10	26	3.68	3.32	4.97	1.33	0.71
bot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
braseem	0.39	0.08	0.05	0.49	0.06	11	2.45	7.49	2.83	0.35	36	21	2.51	1.92	2.85	4.2	5.05	25	4.2	4.25	3.4	1.51	2.9
chinese wolhandkrab	geen omrekeningsfactoren van aantal naar biomassa																						
dikkopje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekebaars	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.01	0	0	0.02	0	0	0.02	0.02
europese rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																						
genarmerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevlekte amerikaanse rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																						
gewone gamaal	geen omrekeningsfactoren van aantal naar biomassa																						
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris	geen omrekeningsfactoren van aantal naar biomassa																						
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	11	17	14	24	43	26	42	33	41	27	36	49	69	23	22	12	22	14	5.7	25	24	27	4.77
rivierdonderpad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rivergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	0.29	0.4	0.98	1.53	4.59	1.79	0.82	2.43	2.06	6.37	3.33	0.97	0.99	0.12	0.14	0.05	2.2	2.9	0.48	1.1	6.62	2.7	0.27
spiering	41	4.23	12	13	5.38	9.16	9.79	16	29	14	6.09	4.4	8.53	31	28	19	16	12	12	10	8.63	21	6.3
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
 totaal	54	23	29	48	68	98	67	72	85	63	111	104	184	100	172	61	72	118	44	59	64	68	18

Tabel 1.5 (vervolg) Grote kuil: CPUE (kg per ha) per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aal	0	0.28	0.01	0.07	0	0.04	0.06	0.26	0	0.07	0.06	0.07	0.73	0.02	0	0.01	0	0.03	0.03	0	0	0	0	0
alver	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0.02	0.01	0.01	0.13	0.06	0.03	0.01	0.01	0.01	0.01	0.02
baars	3.14	17	13	21	2.34	10	9.89	15	7.07	10	9.16	7.42	7.08	2.21	2.28	7.64	4.74	4.09	2.18	2.24	1.84	8.22	2.84	1.62
blankvoorn	1.2	3.59	4.57	4.23	1.69	2.14	3.31	5.02	3.32	6.11	4.57	2.2	2.87	1.6	1.02	2.65	2.4	3.24	3.35	4.19	3.09	8.14	3.28	0.61
bot	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0.00	0	0	0	0	0	0	0
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	0.27	8.11	1.25	6.55	5.11	2.17	2.9	2.29	1.71	2.92	5.67	2.94	3.25	0.92	0.3	0.88	0.94	0.95	0.88	0.62	0.73	0.26	0.09	0.12
chinese wolhandkrab	geen omrekeningsfactoren van aantal naar biomassa																							
dikkopje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekelbaars	0	0.02	0.03	0.01	0	0	0	0.01	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.52	0.23
europese rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																							
gemarmerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevekte amerikaanse rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																							
gewone garnaal	geen omrekeningsfactoren van aantal naar biomassa																							
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0
kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris	geen omrekeningsfactoren van aantal naar biomassa																							
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	3.67	13	11	39	1.68	20	21	22	3.93	21	17	41	64	6.77	5.56	13	12	12	10	10	9.47	24	9.58	0.83
riverdonderpad	0	0.06	0.01	0.02	0.06	0	0.03	0.02	0	0.05	0.01	0.02	0.01	0	0	0	0	0	0	0	0	0.07	0.01	0
rivergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	0.04	0.17	0.23	0.93	0.26	1.11	0.46	0.27	0.3	2.18	4.95	5.12	6.36	2.11	2	1.01	1.08	1.76	3.37	2.35	4.72	1.05	0.12	0.07
spiering	4.41	7.76	9.15	8.07	5.98	4.4	1.49	9.14	1.55	2.93	5.07	1.12	1.94	3.42	0.48	2.85	2.23	1.38	0.59	1.34	1.01	3.86	2.64	1.05
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0.02	0.03	0.03	0	0
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08
totaal	13	50	39	80	17	40	39	54	18	45	46	60	86	17	12	28	24	24	20	21	21	46	19	5

Tabel 1.6 Grote kuil: CPUE (kg per ha) per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring.

soort	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	
aal	0	0	0	0	0	0	0	0	0	0	1.76	0.61	0.25	0	0.24	0.16	0	0	0	0	0	0.14	0.07	0.02
alver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
baars	2.3	0.53	0.24	7.65	9.49	59	2.91	6.82	7.3	18	34	24	34	27	54	25	3.5	23	13	59	36	22	18	
blankvoorn	10	1.09	0.61	38	9.32	77	39	52	43	26	99	24	183	127	163	21	41	184	55	29	24	11	6.67	
bot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.01	0	0	0	0.01	0.01	0	0	
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
brasem	0.24	0.22	0.35	0.54	0.29	8.97	13	33	13	2.41	157	66	134	43	31	119	69	183	21	43	86	25	7.12	
chinese wolhandkrab	geen omrekeningsfactoren van aantal naar biomassa																							
dikkopje	0																							
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
driedoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	
europese rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																							
gemarmerde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
gevekte amerikaanse rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																							
gewone garnaal	geen omrekeningsfactoren van aantal naar biomassa																							
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	
karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kleine moederkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
p. longirostris	geen omrekeningsfactoren van aantal naar biomassa																							
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
pos	74	16	33	48	30	35	33	43	58	35	34	25	6.46	9.79	13	15	11	27	28	20	12	7.83	5.61	
rivierdonderpad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
rivergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
serpelling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoekbaars	0.17	0.13	0.09	0.91	2.6	0.83	0.45	2.55	0.7	10	6.99	0.4	1.11	0.48	0.31	0.38	4.42	22	0.64	7.5	12	2.71	1.78	
spiering	25	11	8.03	18	5.31	15	21	36	41	12	22	8.21	12	26	23	43	19	34	37	23	17	7.45	11	
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
totaal	112	29	42	113	57	196	109	173	163	103	355	148	371	233	285	224	148	473	129	182	187	76	50	

Tabel I.6 (vervolg) CPUE (kg per ha) per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
aal	0.03	0.03	0.05	0.07	0.09	0.08	0.03	0.09	0.08	0.01	0.04	0.11	0.22	0.08	0.17	0.01	0.01	0.04	0	0	0.001	0	0	0	0.04
alver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
baars	44	20	13	31	12	13	15	21	20	21	16	15	18	17	20	30	8.3	7.92	24	14	11	14	4.91	8.24	
blankvoorn	11	11	10	18	18	5.89	8.94	10	6.62	15	4.54	2.69	2.54	2.59	4.83	10	5.81	2.47	5.66	6.26	1.92	3.42	0.61	0.71	
bot	0.19	0.11	0.6	0.56	1.35	1.17	0.46	0.97	0.15	0.52	0.49	0.42	0.83	0.25	0.22	0.19	0.09	0.06	0.07	0.01	0.19	0.27	0.27	0.48	
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
brasem	14	9.41	3.79	9.59	13	15	22	22	18	11	28	10	12	4.51	11	5.95	10	1.45	2.43	0.96	1.17	0.67	0.19	0.57	
chinese wolhandkrab	geen omrekeningsfactoren van aantal naar biomassa																								
dikkopje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
driedoornige stekelbaars	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0.02	0.77	0.03	
europese rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																								
gemarmarde grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
gevlekte Amerikaanse rivierkreeft	geen omrekeningsfactoren van aantal naar biomassa																								
gewone garnaal	geen omrekeningsfactoren van aantal naar biomassa																								
giebel	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
haring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
hybride cyprinide	0	0	0.01	0	0.01	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	0.1	0.01
karper	0	0	0	0.01	0	0.01	0.04	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	
kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kolblei	0	0	0	0	0.02	0	0	0	0	0.01	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	
naakthalsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
p. longirostris	geen omrekeningsfactoren van aantal naar biomassa																								
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
pos	10	8.7	12	21	18	30	9.46	12	25	27	42	41	71	42	56	78	20	25	87	37	40	71	56	44	
riverdonderpad	0.01	0	0	0.01	0.02	0	0.01	0	0	0.14	0.01	0.02	0	0	0	0.01	0	0	0	0	0	0.03	0.05	0.01	
rivergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
riverprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	
snoekbaars	0.27	2.14	0.66	4.92	3.13	3.23	5.18	1.14	6.21	0.92	2.14	2.83	4.4	3.66	4.18	1.35	3.06	1.38	1.14	2.31	2.91	3.73	0.77	1.05	
spiering	24	28	15	2.29	7.27	10	4.05	5.91	0.76	7.85	8.23	3.54	6.96	5.75	0.02	1.46	4.61	0.04	4.12	9.31	4.01	2.87	18	2.81	
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.05	0.08	0	0.04	0.13	0.01	0	0.03	0.07	0	
zeeforel	0	0	0	0	0	0	0.02	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
totaal	104	79	55	87	73	78	65	73	77	83	101	76	116	76	96	127	52	38	125	70	61	96	82	58	

Tabel I.7 Electrokor: CPUE (kg per ha) per soort per jaar gevangen met de electrokor in het Markermeer tijdens de open water monitoring. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
aal	2.96	3.58	1.21	1.12	0.54	0.95	1.16	0.73	0.61	0.51	1.45	0.93	0.89	0.29	0.09	0.44	0.16	0.14	0.5	0.06	0.11	0.25	0.06	0.03
alver					0	0	0	0	0	0	0.02	0	0	0	0	0.01	0.01	0	0.01	0	0	0	0	0
baars				21	3.23	4.56	7.34	7.11	3.58	6.76	7.22	3.04	3.28	2.85	7.56	5.17	2.93	1.46	2.45	2.16	1.83	6.31	4.67	3.61
blankvoorn				11	2.06	2.78	2.39	2.5	0.79	2.43	2.26	1.32	1.05	1.91	3.98	1.44	0.9	0.94	1.76	1.45	1.95	3.84	3.45	0.12
bot				0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0.3	0.01	0.03	0	0	0
brakwatergrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem				1.3	0.13	0.23	0.63	0.1	0.4	1.81	0.24	0.27	0.28	0.53	0.3	0.34	0.23	0.07	0.19	0.54	0.24	0.23	0.15	0.06
chinese wolhandkrab				geen omrekeningsfactoren van aantal naar biomassa																				
dikkopje																								
diklipharder				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
driedoornige stekelbaars				0.03	0.01	0	0	0.01	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0.01	0.07	0.23
europese rivierkreeft				geen omrekeningsfactoren van aantal naar biomassa																				
gemarmerde grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gevekte amerikaanse rivierkreeft				geen omrekeningsfactoren van aantal naar biomassa																				
gewone garnaal				geen omrekeningsfactoren van aantal naar biomassa																				
giebel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
haring				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
karper				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
naakthalsgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. longirostris				geen omrekeningsfactoren van aantal naar biomassa																				
pontische stroomgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos				38	2.46	22	28	18	2.02	19	27	19	30	11	11	16	11	1.99	15	5.08	14	32	21	2.91
riverdonderpad				0.47	0.02	0	0.02	0.07	0	0.11	0.04	0.03	0.02	0.01	0	0.01	0	0	0	0.01	0.01	0	0.03	0
rivergrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
riverprik				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars				2.39	0	0.82	0.15	0.02	0.25	0.73	0.63	0.39	0.81	1.05	1.12	0.23	0.49	0.27	1	1.77	2.1	9.67	0.25	6.24
spiering				7.68	3.29	2.7	3.25	6.38	1.79	3.59	2.58	2.97	1.58	5.85	0.86	4.69	0.77	1.94	0.66	1.32	4.6	4.02	3.64	1.52
sprot				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekelbaars				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde				0	0	0	0	0	0	0	0	0	0	0.03	0.01	0	0	0	0	0	0	0.04	0	0
zeeforel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
totaal	3	4	1	83	12	34	43	35	9	35	41	28	38	24	25	28	16	7	22	12	25	56	33	17

Tabel 1.8 Electrokor: CPUE (kg per ha) per soort per jaar gevangen met de electrokor in het IJsselmeer tijdens de open water monitoring. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

soort	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	
aal	5.77	8.62	4.21	4.79	4.62	3.61	3.92	3	4.14	4	4.15	8.97	4.45	4.02	1.77	2.52	1.04	0.58	0.19	0.4	0.73	0.52	1	0.51	
alver			0.76	21	15	14	17	24	30	23	22	17	21	34	92	65	23	6.82	63	19	8.97	7.48	12	5.23	
baars			2.17	5.86	2.44	4.89	5.15	4.47	3.15	2.11	1.72	1.49	1.19	2.16	4.21	5.01	2.01	1.48	4.69	5.39	2.23	1.01	0.84	0.35	
bot			3.27	1.26	4.41	22	5.61	4.79	3.63	2.75	1.81	3.27	3.64	1.49	1.64	3.57	1.13	0.63	0.97	0.48	1.18	0.84	1.91	1.42	
brakwatergrondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
braseem			0.31	0.06	0.65	0.04	5.47	3.77	3.36	15	4.6	7.4	8.98	1.04	4.18	3.94	2.66	0.93	0.96	1.27	0.91	0.15	0.05	0.05	
chinese wolhandkrab			geen omrekeningsfactoren van aantal naar biomassa																						
dikkopje			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
diklipharder			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
driedoornige stekelbaars			0	0	0.01	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0.01	0.05	0.52	0.05
europese rivierkreeft			geen omrekeningsfactoren van aantal naar biomassa																						
gemarmerde grondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	
gevelkte Amerikaanse rivierkreeft			geen omrekeningsfactoren van aantal naar biomassa																						
gewone garnaal			geen omrekeningsfactoren van aantal naar biomassa																						
giebel			0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0
grondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
harder ongespecificeerd			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
haring			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
houting			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.1	0	
hybride cyprinide			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
karper			0	0	0	0	0.1	0	0	0	0	0	0	0	0.03	0	0	0	0	0.07	0	0.05	0	0	
kleine modderkruiper			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kolblei			0	0	0	0	0	0.01	0	0	0.05	0	0	0	0	0.01	0	0	0	0	0	0	0	0	
naakthalsgrondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
p. longirostris			geen omrekeningsfactoren van aantal naar biomassa																						
pontische stroomgrondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	
pos			1.37	34	39	21	18	23	43	38	68	53	60	79	107	107	49	23	121	45	70	46	53	42	
rivierdonderpad			0	0	0.01	0	0.06	0.04	0.01	0.09	0.04	0.21	0.02	0.01	0	0.1	0	0	0.03	0.03	0.03	0.04	0.58	0.1	
rivergrondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
riverprik			0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	
serpeeling			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoekbaars			0	0	2.58	1.85	2.68	0.44	1.55	0.94	2.38	2.24	3.14	0.67	2.87	3.01	2.13	0.44	0.37	1.92	1.78	3.82	1.8	0.36	
spiering			0.96	1.69	14	53	6.27	7.07	0.32	7.89	11	3.65	11	9.69	0.03	1	4.5	0.02	2.87	5.05	4.75	2.89	14	5.14	
sprot			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
tiendoornige stekelbaars			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
winde			0	0	0.03	0	0.01	0	0	0	0	0	0.02	0	0.08	0.07	0	0.02	0	0	0.01	0	0.02	0	
zeeforel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
tottaal	6	9	13	69	83	120	64	71	89	94	116	97	113	132	214	191	85	34	194	79	91	63	86	55	

Tabel 1.9 Nulgroep: CPUE (aantal per ha) nulgroep vis per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering.

	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spieling
1966	4.1	32		32		5.6	
1967	4.8	13		6.1		5.5	
1968	10	40		3.8		19	
1969	104	49		0.84		29	
1970	184	81		5.1		61	
1971	52					0	
1972	66					13	
1973	79					39	
1974	122	11		6.5		35	
1975	529	58		14		103	
1976	223	0.3		0.58		62	
1977	54	0.45		0.44		73	
1978	1771	0.45		0.12		23	
1979	66					2	
1980	488	9.4		0.25		2.5	
1981	0	0.73		0.09		4	
1982	957	0.44		0.47		38	
1983	669	6		3.2		52	
1984	61	4.1		0.77		8.3	
1985	256	13				42	
1986	560	3.2		0.03		14	
1987	36	0		0.03		13	
1988	11	0.02		0.04		1.2	
1989	99	39	0	5.8	426	0.47	1508
1990	1301	165	0	1.7	950	4.8	7124
1991	29	46	0	17	982	8	3427
1992	5918	587	0	24	9775	17	5612
1993	125	10	0	0.62	91	1.1	3319
1994	104	91	0	5.4	2363	34	2011
1995	530	53	0	1.7	3239	9	1330
1996	2747	22	0	3.3	2211	14	3378
1997	95	31	0	2.6	125	3.6	596
1998	402	7	0	3.5	2739	68	1160
1999	214	5.1	0	5.4	1282	49	3207
2000	515	10	0	1.9	4986	65	840
2001	196	0.66	0	3.3	2857	61	506
2002	6.3	0.19	0	1.3	187	14	1752
2003	214	17	0	0.62	1028	45	174
2004	330	1.3	0	0.26	267	9.5	1262
2005	93	21	0	2.1	1027	20	608
2006	24	52	0	3.3	714	33	633
2007	13	7.5	0	2.8	572	27	416
2008	153	31	0	1.4	1472	30	735
2009	22	4.2	0	0.52	645	49	504
2010	746	180	0	35	2710	30	1326

2011	41	2.7	0	0	353	1.8	668
2012	16	1.4	0.04	0.65	43	1.1	611

Tabel 1.10 Nulgroep: CPUE (aantal per ha) nulgroep vis per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering.

	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spiering
1966	35	243		19		3.3	
1967	10	33		22		2.2	
1968	3.6	15		28		1.7	
1969	116	915		44		18	
1970	143	226		24		45	
1971	150					0	
1972	106					7.4	
1973	248					41	
1974	171	97		29		12	
1975	706	635		205		167	
1976	786	2.7		2.5		123	
1977	56	3.5		1.4		30	
1978	411	24		6.8		27	
1979	58					7.9	
1980	653	20		2.8		5.7	
1981	0	3.1		2.6		28	
1982	196	0.98		7		77	
1983	452	107		30		393	
1984	47	58		2.9		11	
1985	4139	136				22	
1986	1037	16		0.44		25	
1987	47	0		0.48		12	
1988	49	0.005		0.01		4.6	
1989	3641	766	0.31	33	513	5.4	5781
1990	38	64	0.2	6.1	126	8.5	10036
1991	11	28	13	15	1587	15	5366
1992	6946	95	5.3	37	2355	92	1126
1993	1512	11	13	3.8	1784	45	2593
1994	51	279	24	50	2748	56	5963
1995	213	40	6	39	598	57	2721
1996	2660	2.2	5.1	8.7	939	25	2452
1997	273	94	0.25	88	1728	60	304
1998	1720	176	9.3	2.7	2461	20	2805
1999	1148	44	3.4	69	4378	23	4896
2000	358	5.4	10	1.9	1677	20	1829
2001	1330	14	28	21	9443	71	3277
2002	1243	43	6.3	9.5	2320	21	3190
2003	1491	111	11	11	5627	53	5.4
2004	3314	222	4.1	13	7027	61	6.6
2005	528	11	1.2	3.3	1759	39	1647
2006	260	172	0.59	15	2398	22	13
2007	2432	326	2.7	4.9	18496	22	875
2008	924	140	0.05	34	4868	34	3788

2009	630	56	1.7	2.2	4229	47	1715
2010	777	47	2	28	8523	67	1110
2011	363	53	0.4	4.1	2377	57	2731
2012	182	29	9	9.9	5842	17	1051

Tabel I.11 Nulgroep: CPUE (aantal per ha) nulgroep vis per soort per jaar gevangen met de elektrokor in het Markermeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spiering
1991	7.5	64	0	116	446	64	307
1992	5940	257	0	11	8729	22	4632
1993	95	1.9	0	0	59	0	2698
1994	113	134	0.66	15	3092	9.3	3527
1995	337	84	1.3	1.7	3885	3.2	3257
1996	1225	19	0	4.2	2213	2.4	2329
1997	103	31	0.84	2.6	199	5.4	746
1998	383	5.5	0	0.4	2676	21	2018
1999	158	3.7	0	3.7	1820	16	1401
2000	96	3.6	0	0.8	3172	6.2	3139
2001	104	0.4	0.27	2.6	1659	22	820
2002	39	1.8	0	2.5	767	9	3698
2003	823	32	0	0	2210	19	297
2004	342	6.6	0	0.79	596	6.9	2229
2005	89	11	0	0.72	1250	13	169
2006	5.9	6.2	0	0.64	167	6.8	1152
2007	56	5.3	0.16	1.3	1377	15	486
2008	78	15	0.46	0.93	970	37	838
2009	65	5.5	0	2.1	1096	39	2302
2010	349	61	0	9.7	2508	46	1613
2011	141	5.4	0	0.46	1153	6.4	626
2012	16	2	0	1.2	186	8.8	750

Tabel I.12 Nulgroep: CPUE (aantal per ha) nulgroep vis per soort per jaar gevangen met de elektrokor in het IJsselmeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

	<i>Baars</i>	<i>Blankvoorn</i>	<i>Bot</i>	<i>Brasem</i>	<i>Pos</i>	<i>Snoekbaars</i>	<i>Spieling</i>
1991	20	0	92	6.6	257	0	525
1992	9339	111	6.5	8.7	3559	5.8	735
1993	2432	3.9	27	0	4806	27	5368
1994	167	838	114	19	2718	43	31904
1995	467	40	57	40	1138	43	4254
1996	4199	16	23	6.7	2267	16	3255
1997	746	86	8.6	29	2358	31	113
1998	2042	58	7.1	8	4076	27	2790
1999	1916	43	18	35	6815	31	7651
2000	812	9.9	47	1.2	2906	21	2402
2001	2653	22	31	8.8	11416	56	5468
2002	3822	51	11	19	8319	11	5323
2003	9956	170	50	11	13935	48	7.8
2004	7583	209	25	6.5	9702	167	4.8
2005	2565	27	11	8.9	6295	40	1634
2006	316	140	0.95	6.2	2310	7.2	5.5
2007	7870	483	42	9.6	25494	12	616
2008	2202	146	5.8	21	5730	28	2040
2009	622	38	7.2	2.1	8832	24	2205
2010	590	17	0.77	8.1	6378	13	1131
2011	990	117	3.5	12	2094	135	2469
2012	147	31	27	4.3	5320	7.3	2987

Tabel I.13 Nulgroep: CPUE (kg per ha) nulgroep vis per soort per jaar gevangen met de grote kuil in het Markermeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering.

	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spieling
1966	0.01	0.14		0.21		0.16	
1967	0.02	0.06		0.04		0.07	
1968	0.04	0.17		0.02		0.55	
1969	0.38	0.21		0.006		0.85	
1970	0.68	0.35		0.03		1.74	
1971	0.32	0		0		0	
1972	0.5	0		0		0.52	
1973	0.6	0		0		1.53	
1974	0.75	0.05		0.04		1.25	
1975	4.08	0.25		0.09		4.02	
1976	1.35	0.002		0.008		1.91	
1977	0.19	0.004		0.006		0.97	
1978	8.59	0.002		0.001		0.5	
1979	0.3	0		0		0.08	
1980	2.62	0.04		0.003		0.03	
1981	0	0.006		0.001		0.05	
1982	6.9	0.002		0.005		0.98	
1983	4.47	0.02		0.03		0.98	
1984	0.38	0.02		0.008		0.22	
1985	1.22	0.04		0		1.43	
1986	2.26	0.02		0.000		0.42	
1987	0.15	0		0.000		0.26	
1988	0.05	0.000		0.001		0.03	
1989	0.64	0.2	0	0.03	2.02	0.02	4.17
1990	8.1	0.42	0	0.01	5.23	0.17	7.58
1991	0.2	0.18	0	0.05	5	0.15	8.84
1992	14	1.32	0	0.1	38	0.86	7.32
1993	0.72	0.07	0	0.007	0.34	0.04	4.65
1994	0.71	0.41	0	0.03	11	0.97	3.86
1995	3.01	0.26	0	0.01	15	0.4	1.22
1996	10	0.05	0	0.02	9.9	0.24	8.96
1997	0.65	0.17	0	0.02	0.95	0.18	1.49
1998	1.5	0.02	0	0.02	11	1.79	1.89
1999	1.19	0.02	0	0.04	4.79	2.13	4.46
2000	2.27	0.03	0	0.01	19	2.25	0.78
2001	1.13	0.003	0	0.02	14	2.31	0.65
2002	0.05	0.001	0	0.007	0.59	0.42	2.84
2003	1.25	0.14	0	0.003	4.65	1.86	0.42
2004	2.01	0.005	0	0.002	1.96	0.28	2.83
2005	0.74	0.08	0	0.01	5.72	0.72	1.1
2006	0.2	0.34	0	0.02	5.68	1.4	1.12
2007	0.11	0.03	0	0.01	4.01	0.87	0.46
2008	0.8	0.07	0	0.009	5.84	0.79	0.98
2009	0.16	0.02	0	0.003	3.24	1.64	0.79
2010	4.56	0.87	0	0.13	13	0.71	3.37

2011	0.3	0.01	0	0	2.65	0.06	0.9
2012	0.13	0.01	0.001	0.003	0.37	0.04	1.03

Tabel 1.14 Nulgroep: CPUE (kg per ha) nulgroep vis per soort per jaar gevangen met de grote kuil in het IJsselmeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering.

	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spieling
1966	0.13	1.05		0.13		0.09	
1967	0.04	0.14		0.14		0.03	
1968	0.01	0.06		0.19		0.05	
1969	0.42	3.94		0.29		0.51	
1970	0.52	0.97		0.16		1.28	
1971	0.93	0		0		0	
1972	0.8	0		0		0.29	
1973	1.89	0		0		1.61	
1974	1.04	0.42		0.19		0.42	
1975	5.05	2.72		1.34		6.51	
1976	4.56	0.02		0.03		3.75	
1977	0.2	0.03		0.02		0.4	
1978	2.04	0.11		0.08		0.61	
1979	0.27	0		0		0.31	
1980	3.51	0.08		0.03		0.07	
1981	0	0.02		0.03		0.38	
1982	1.41	0.005		0.08		1.77	
1983	3.04	0.4		0.32		8.14	
1984	0.29	0.22		0.03		0.25	
1985	20	0.47		0		0.71	
1986	4.35	0.08		0.006		0.74	
1987	0.19	0		0.005		0.25	
1988	0.19	0.000		0.000		0.12	
1989	21	4.56	0.005	0.21	4.27	0.26	17
1990	0.27	0.27	0.002	0.03	0.7	0.34	24
1991	0.07	0.1	0.13	0.06	9.38	0.45	10
1992	18	0.34	0.06	0.19	14	4.72	2.11
1993	4.38	0.03	0.16	0.02	10	1.28	6.88
1994	0.3	1.35	0.23	0.25	19	2.5	10
1995	1.19	0.19	0.08	0.27	4.37	3.58	3.82
1996	7.79	0.005	0.06	0.04	5.41	0.77	5.07
1997	1.9	0.58	0.003	0.81	15	3.42	0.8
1998	6.83	0.61	0.13	0.01	15	0.51	7.38
1999	5.07	0.19	0.05	0.58	28	1.41	8.08
2000	1.72	0.02	0.14	0.009	11	1.13	3.33
2001	6.41	0.07	0.35	0.13	46	4.05	6.66
2002	6.35	0.26	0.09	0.07	12	1.31	5.66
2003	9.56	1.08	0.12	0.09	36	4.09	0.01
2004	21	1.38	0.05	0.07	52	1.19	0.02
2005	2.63	0.05	0.02	0.02	9.05	2.46	4.35
2006	2.11	1.34	0.009	0.15	18	1.38	0.04
2007	18	2.17	0.04	0.04	82	0.97	3.95
2008	4.2	0.6	0.001	0.22	34	1.75	9.19

2009	3.68	0.24	0.02	0.01	29	2.89	3.6
2010	5.52	0.27	0.02	0.14	48	3	2.61
2011	2.88	0.61	0.007	0.02	26	0.77	17
2012	1.34	0.71	0.13	0.05	42	0.94	1.65

Tabel 1.15 Nulgroep: CPUE (kg per ha) nulgroep vis per soort per jaar gevangen met de elektrokor in het Markermeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

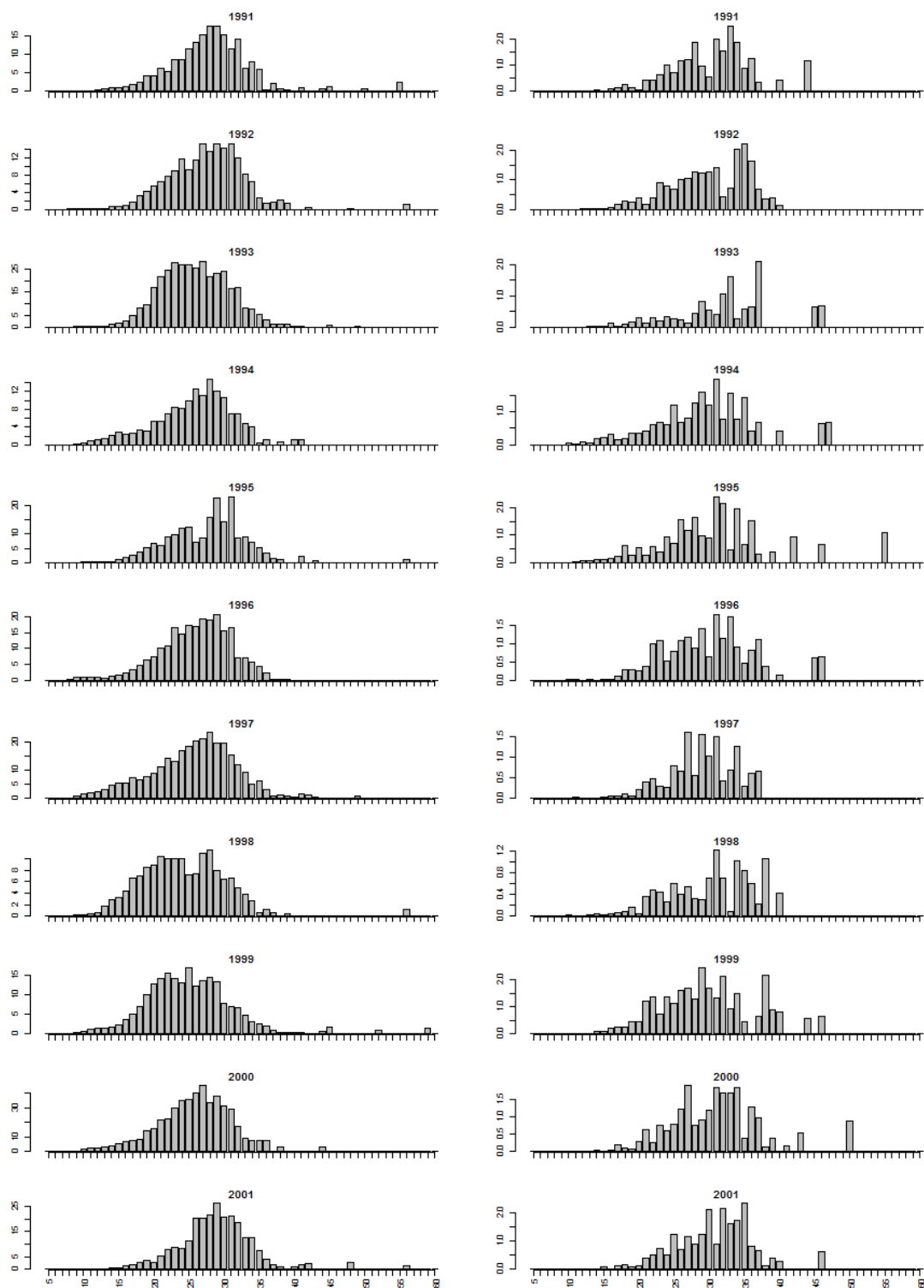
	Baars	Blankvoorn	Bot	Brasem	Pos	Snoekbaars	Spiering
1991	0.07	0.16	0	0.38	2.26	1.07	0.79
1992	15	0.56	0	0.11	36	0.99	6.39
1993	0.56	0.008	0	0	0.25	0	3.79
1994	0.73	0.64	0.008	0.07	15	0.33	6.52
1995	1.89	0.32	0.02	0.02	20	0.15	3.15
1996	4.39	0.03	0	0.009	9.26	0.02	6.34
1997	0.69	0.15	0.01	0.02	1.61	0.23	1.8
1998	1.3	0.01	0	0.001	12	0.73	2.94
1999	0.9	0.02	0	0.02	6.4	0.51	2.06
2000	0.43	0.006	0	0.007	11	0.23	2.76
2001	0.57	0.002	0.006	0.02	8.52	0.71	1.4
2002	0.29	0.008	0	0.01	3.09	0.2	5.56
2003	4.9	0.26	0	0	8.89	0.79	0.7
2004	2.04	0.02	0	0.004	3.58	0.11	4.6
2005	0.69	0.03	0	0.005	6.8	0.41	0.31
2006	0.05	0.04	0	0.002	1.2	0.22	1.86
2007	0.45	0.02	0.003	0.008	8.39	0.43	0.51
2008	0.36	0.04	0.008	0.005	3.88	1.01	1.01
2009	0.43	0.03	0	0.02	5.83	1.15	3.98
2010	2.09	0.3	0	0.05	12	1.41	3.78
2011	1.02	0.02	0	0.001	8.32	0.25	0.89
2012	0.13	0.009	0	0.004	1.33	0.3	1.43

Tabel I.16 Nulgroep: CPUE (kg per ha) nulgroep vis per soort per jaar gevangen met de elektrokor in het IJsselmeer tijdens de open water monitoring voor baars, blankvoorn, bot, brasem, pos, snoekbaars en spiering. Verschillen met voorgaande rapportages worden veroorzaakt door aangepaste berekeningsmethode.

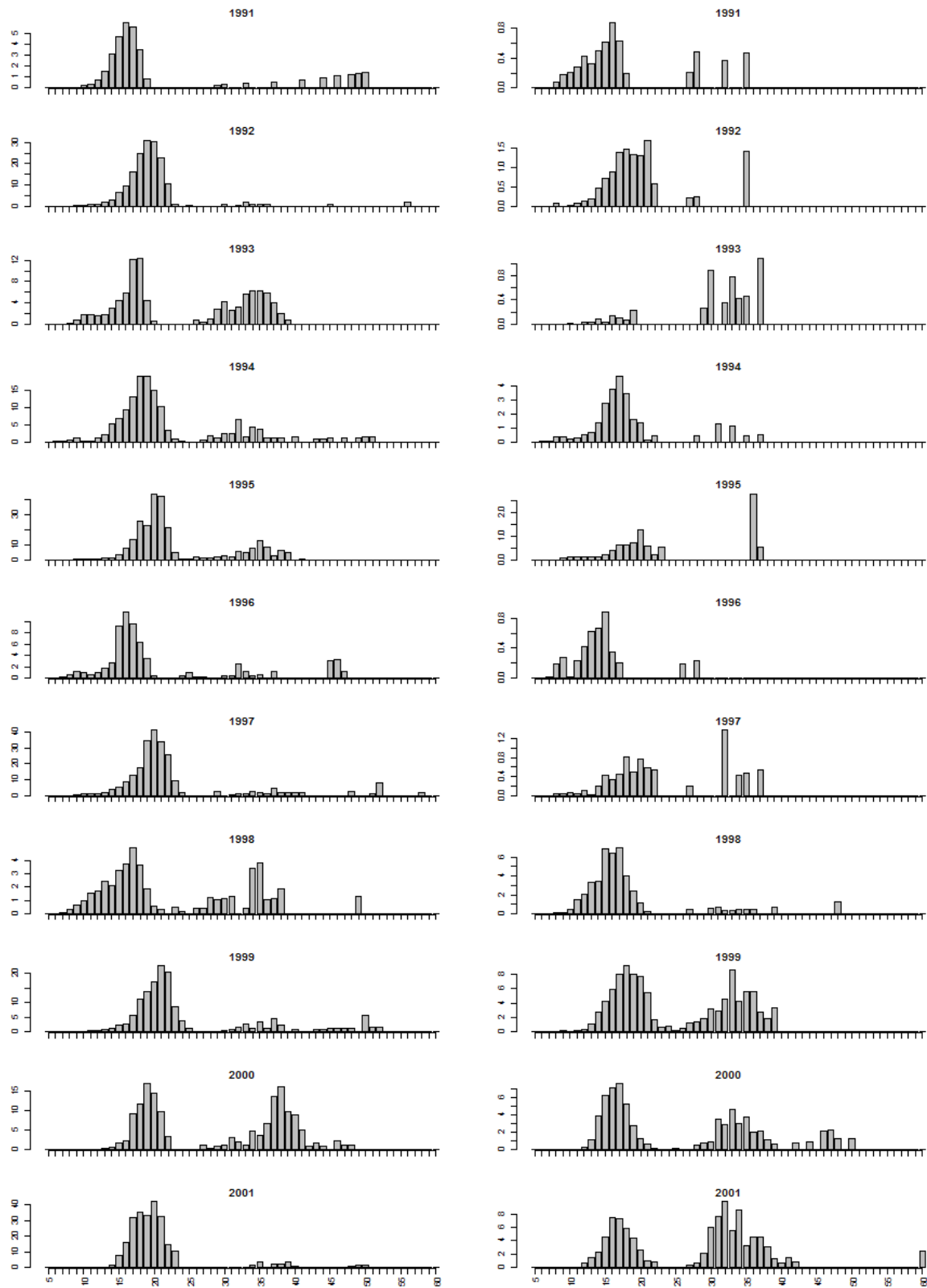
	<i>Baars</i>	<i>Blankvoorn</i>	<i>Bot</i>	<i>Brasem</i>	<i>Pos</i>	<i>Snoekbaars</i>	<i>Spieling</i>
1991	0.15	0	0.83	0.03	1.16	0	0.91
1992	24	0.4	0.05	0.05	22	0.3	1.39
1993	7.62	0.02	0.41	0	29	0.72	14
1994	1.1	4.14	1.5	0.04	20	1.08	53
1995	2.76	0.18	0.63	0.27	8.72	2.35	6.06
1996	12	0.02	0.25	0.03	12	0.39	6.53
1997	5.1	0.5	0.12	0.23	20	1.47	0.3
1998	7.49	0.16	0.11	0.03	24	0.57	7.15
1999	8.53	0.19	0.24	0.29	41	1.94	13
2000	3.87	0.04	0.59	0.006	20	1.05	4.35
2001	12	0.11	0.44	0.05	50	2.89	11
2002	20	0.31	0.14	0.12	41	0.57	9.52
2003	63	1.53	0.62	0.1	91	2.87	0.02
2004	49	1.23	0.33	0.03	67	3.01	0.02
2005	13	0.13	0.15	0.05	31	2.07	4.36
2006	2.51	1.04	0.02	0.06	17	0.44	0.02
2007	55	3.05	0.43	0.05	110	0.37	2.79
2008	11	0.65	0.08	0.11	40	1.66	4.88
2009	3.53	0.17	0.12	0.01	60	1.43	4.58
2010	4.1	0.12	0.01	0.04	35	0.55	2.6
2011	7.58	0.84	0.07	0.04	22	1.8	14
2012	1.01	0.35	0.41	0.02	40	0.36	4.65

Bijlage II. Lengte-frequentieverdelingen open water monitoring IJssel- en Markermeer, 1991-2012

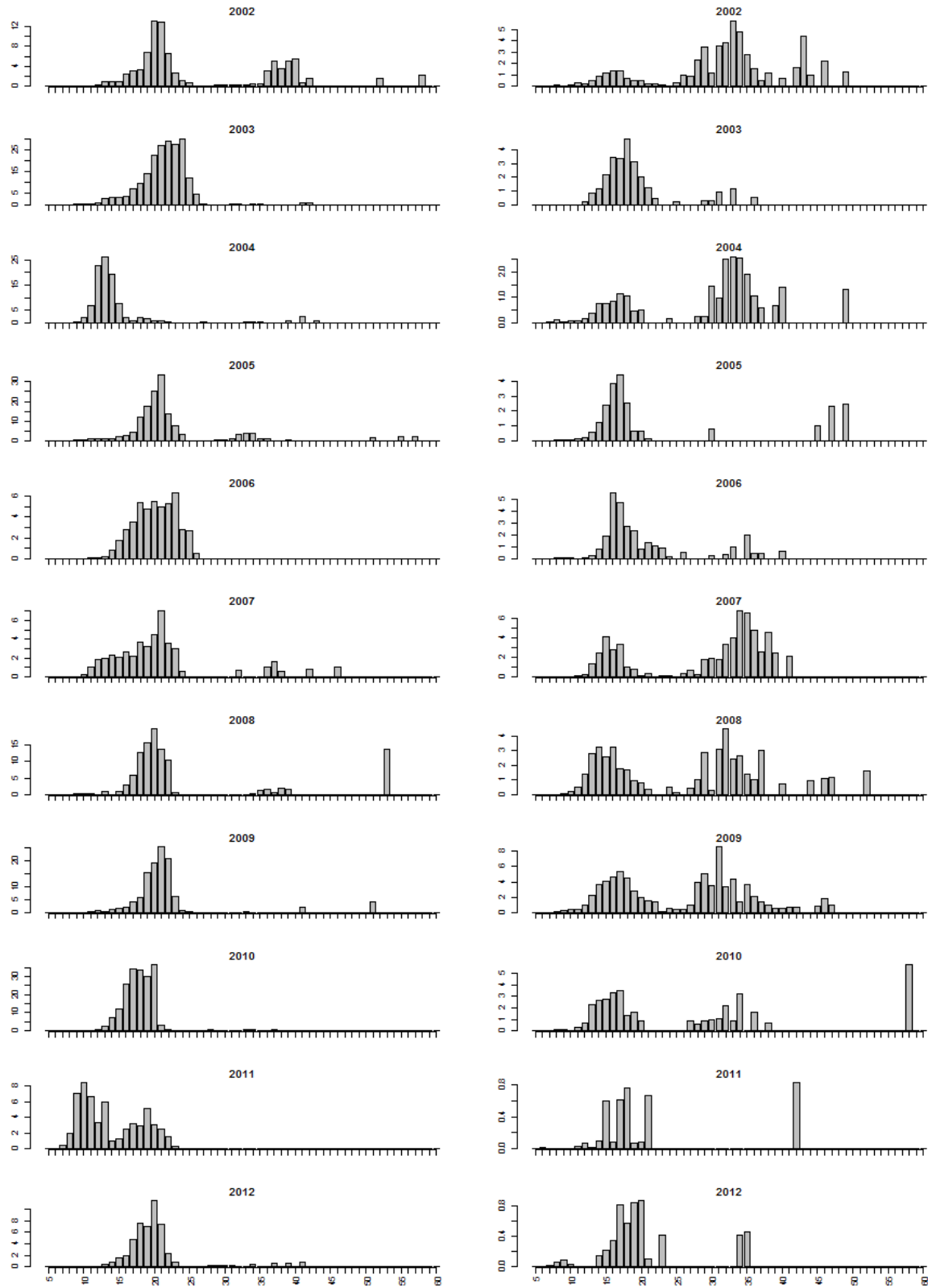
Figuur II.1 Aal lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) per jaar (kg/ha)



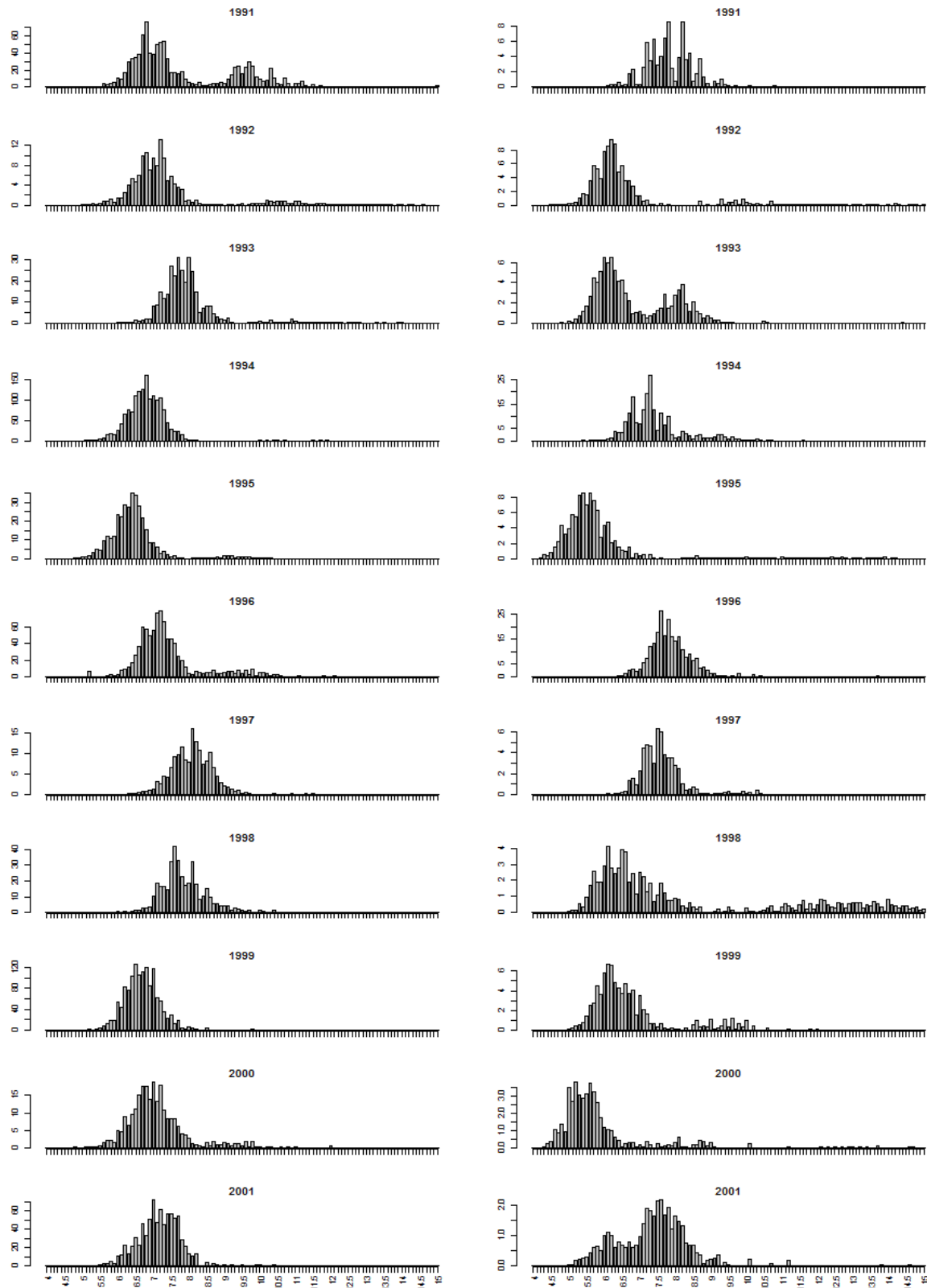
Figuur 11.2 Snoekbaars lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



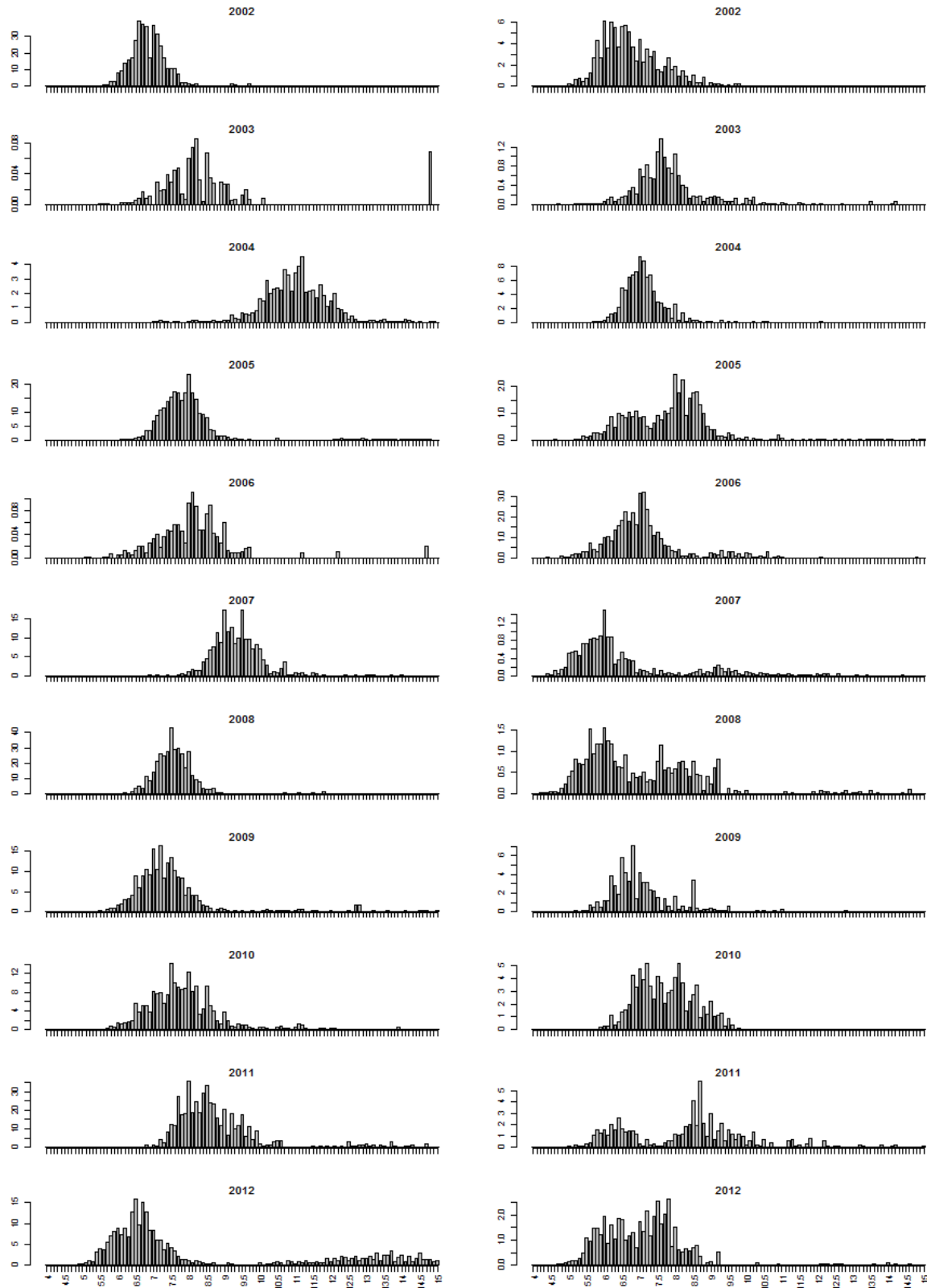
Figuur 11.2 (vervolg) Snoekbaars lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



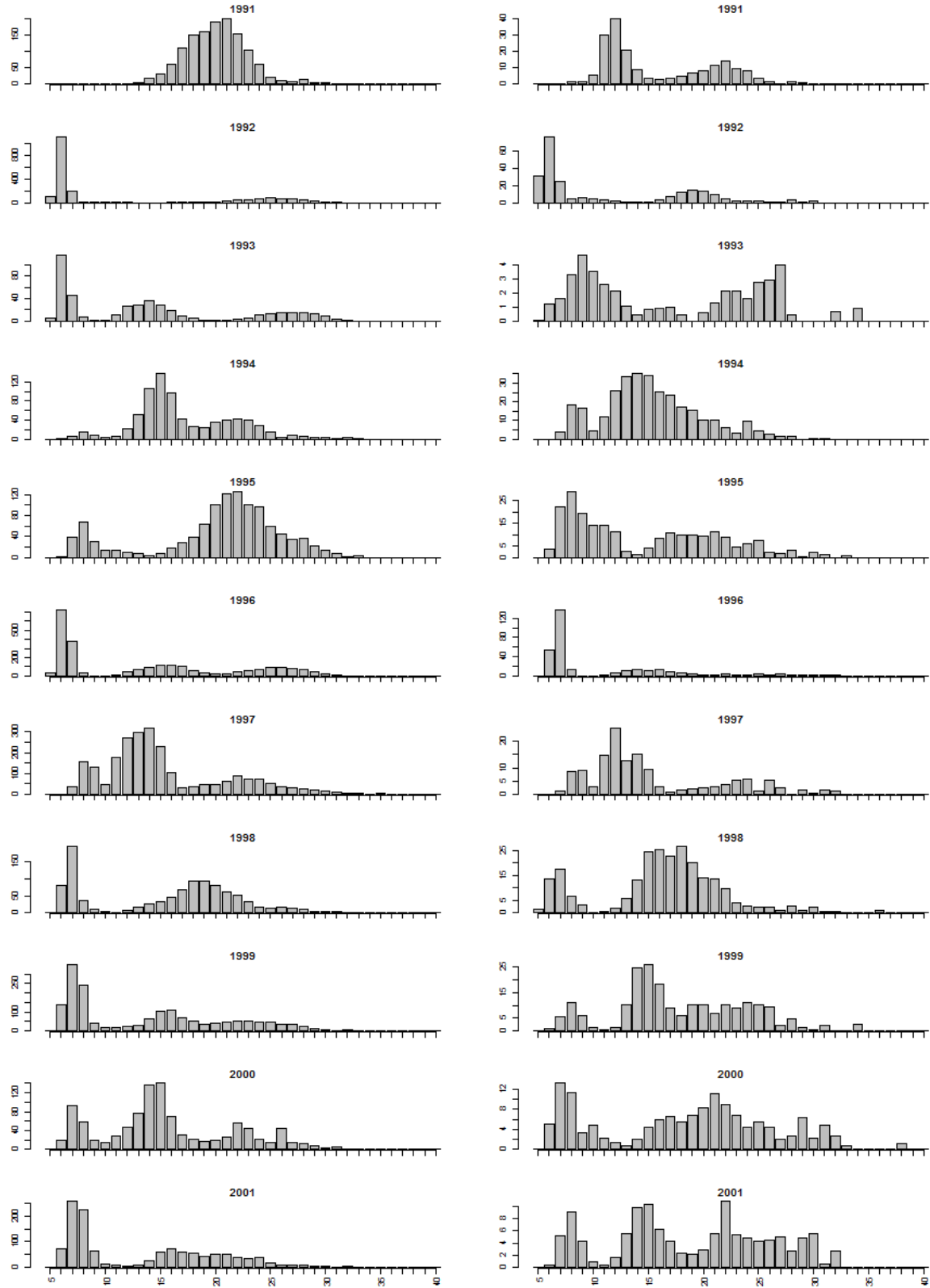
Figuur II.3 Spiering lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



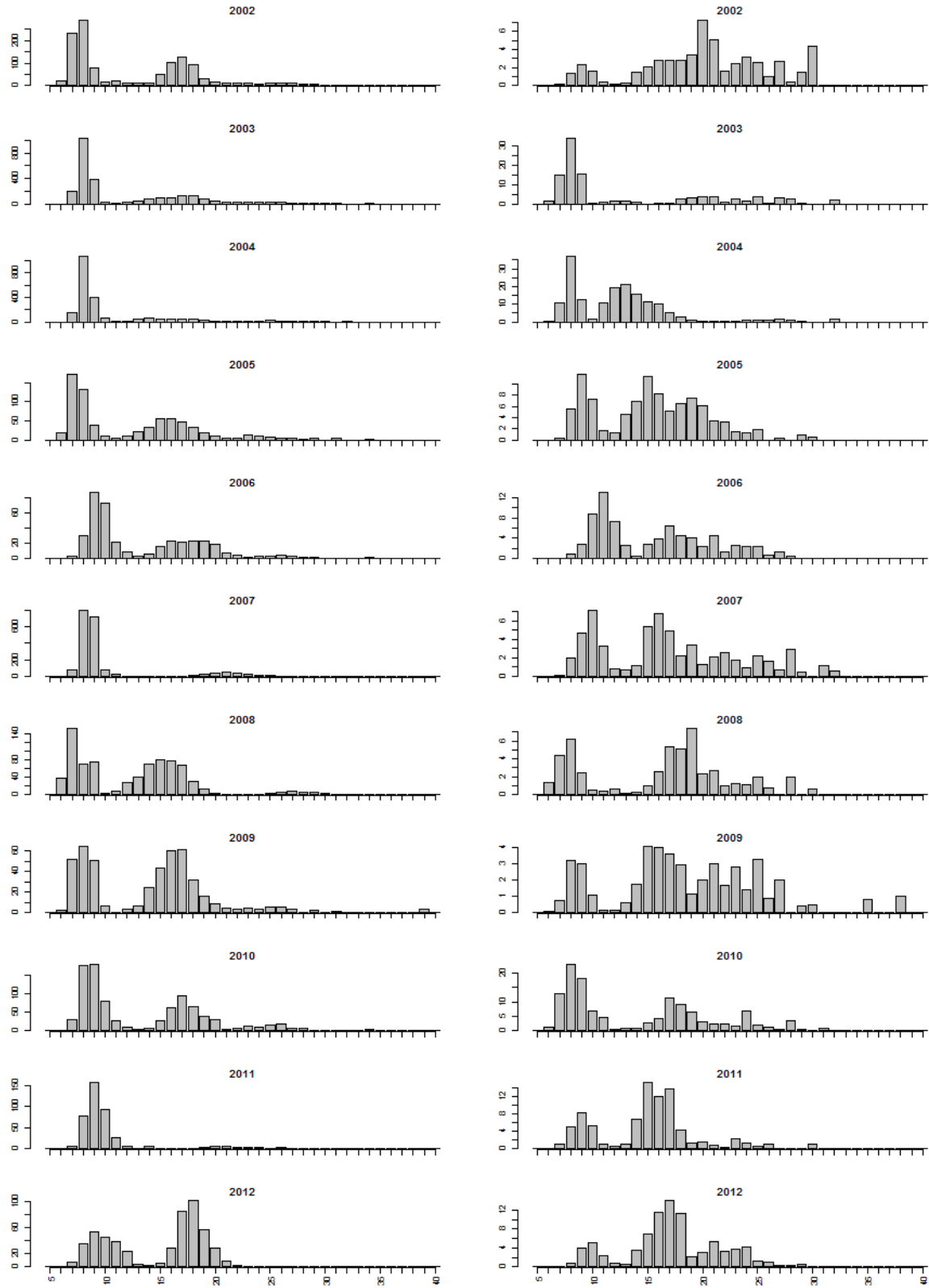
Figuur 11.3 (vervolg) Spiering lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



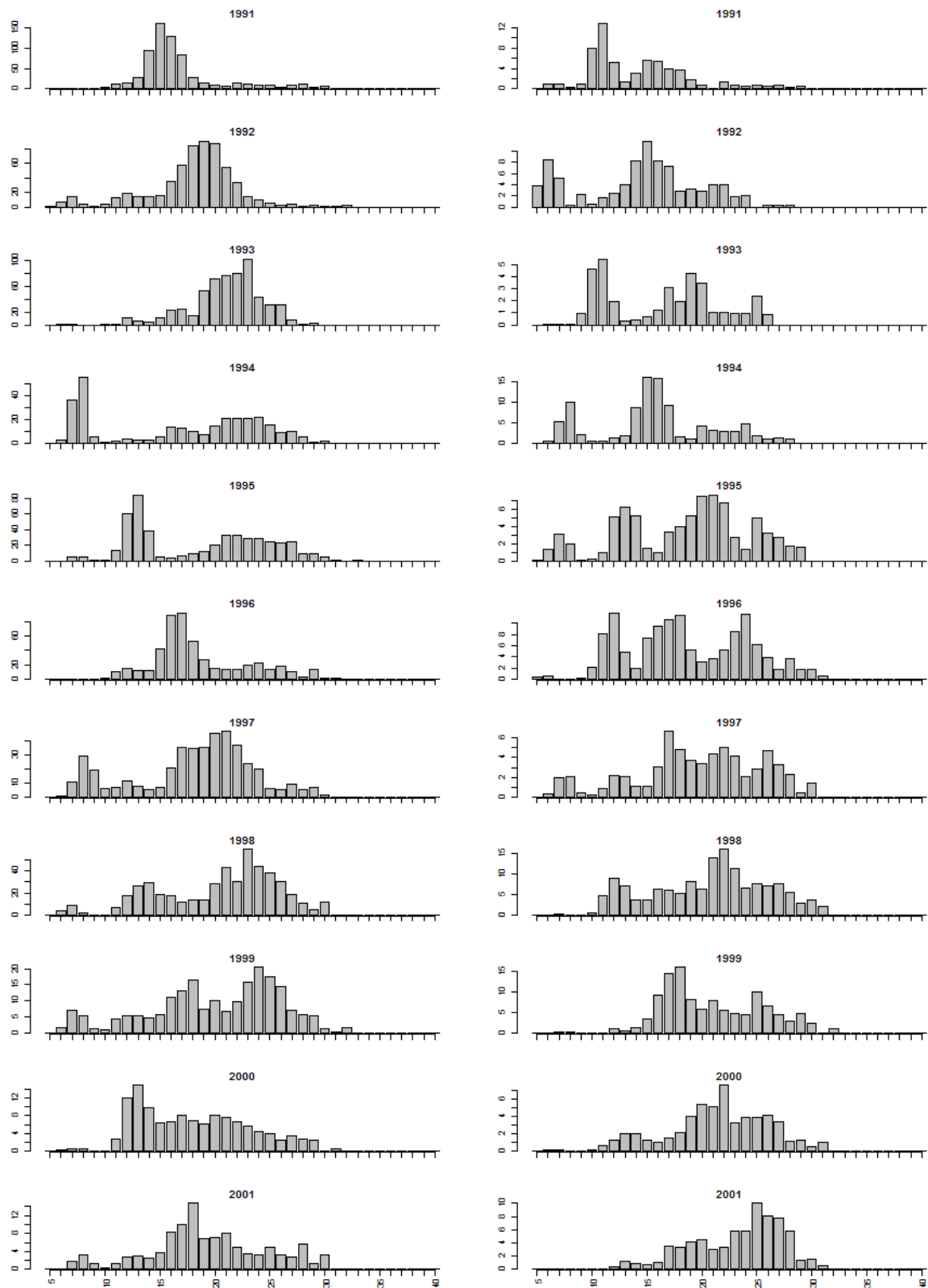
Figuur II.4 Baars lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



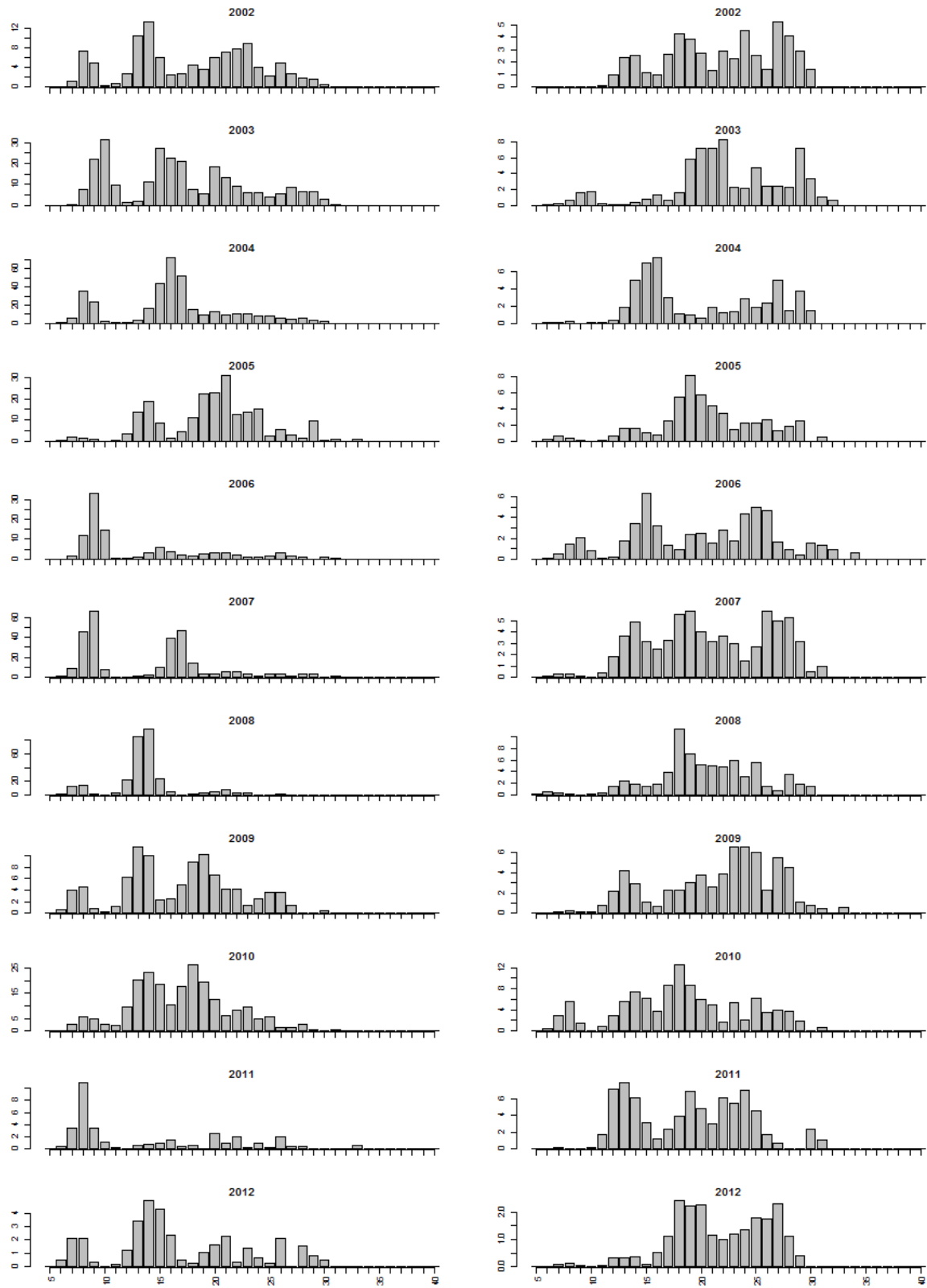
Figuur II.4 (vervolg) Baars lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



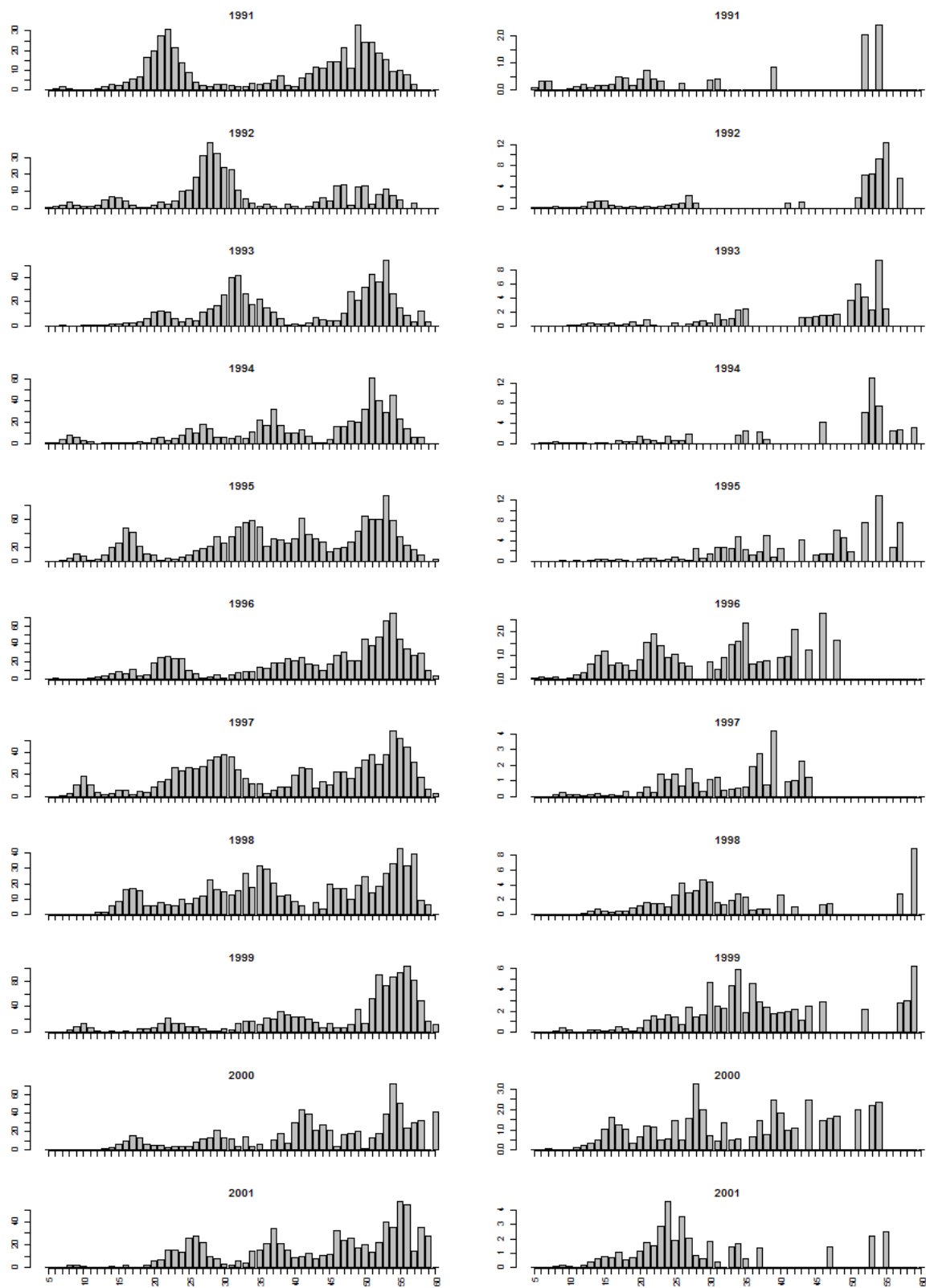
Figuur 11.5 Blankvoorn lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



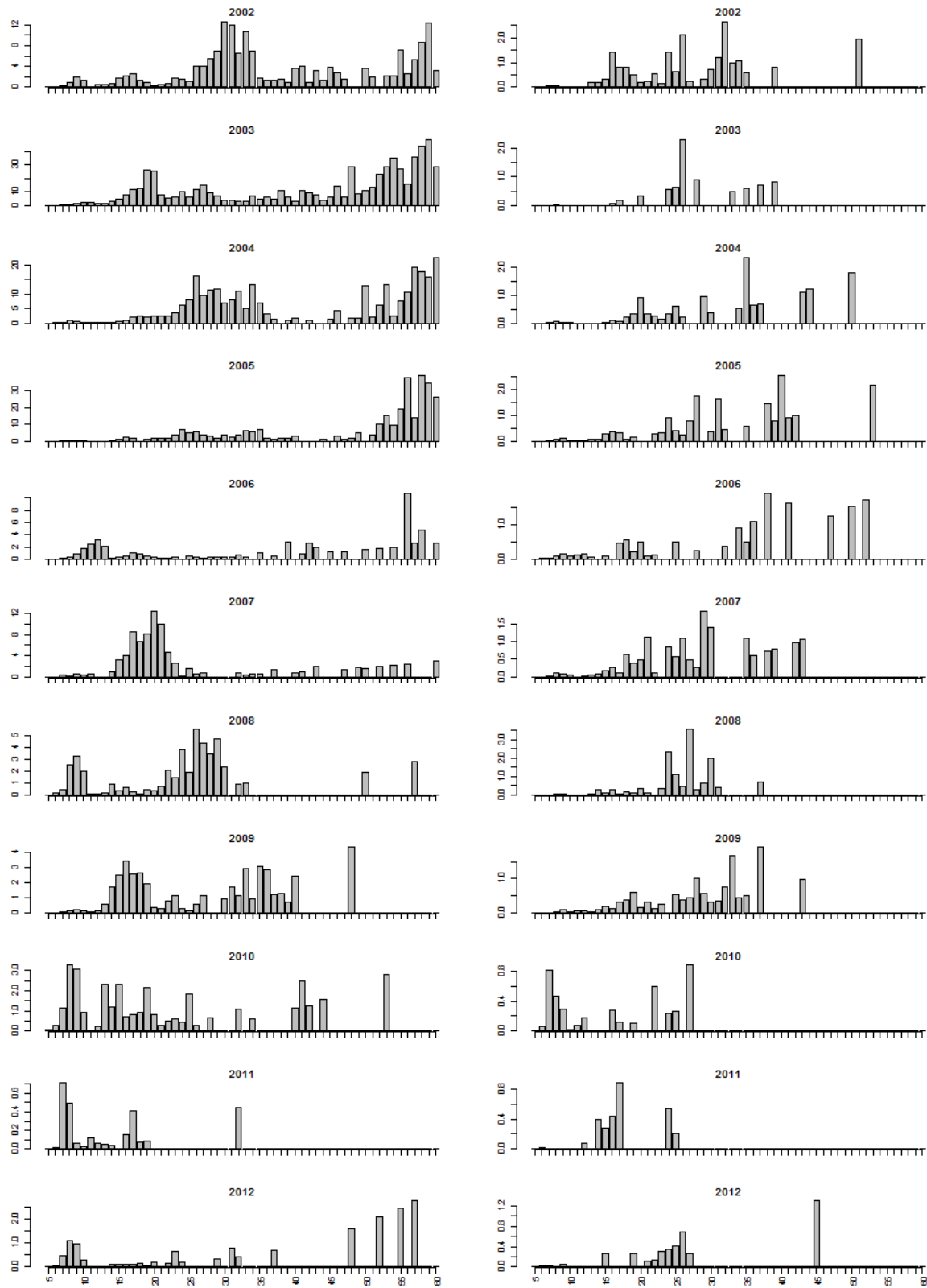
Figuur II.5 (vervolg) Blankvoorn lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



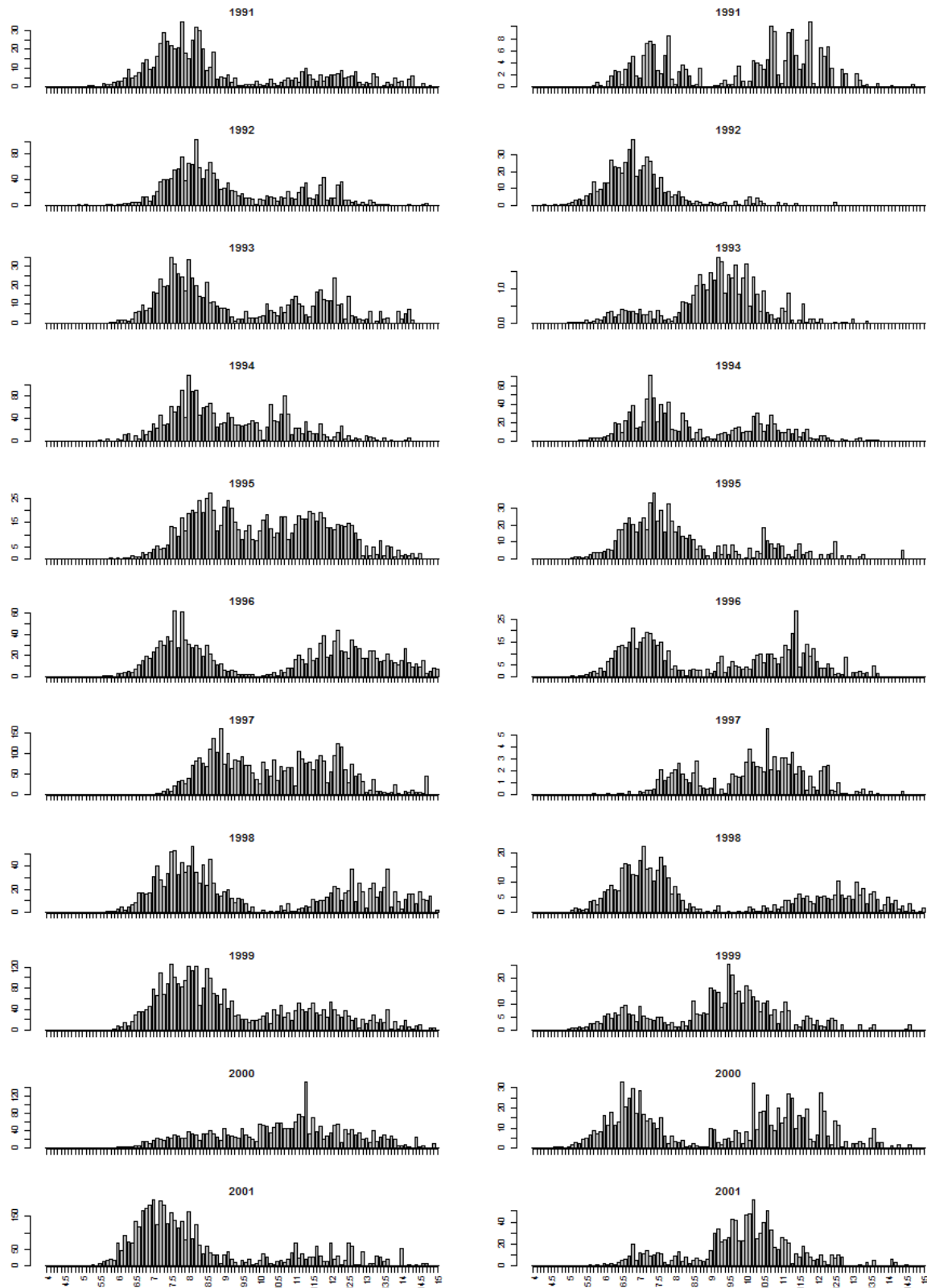
Figuur II.6 Brasem lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



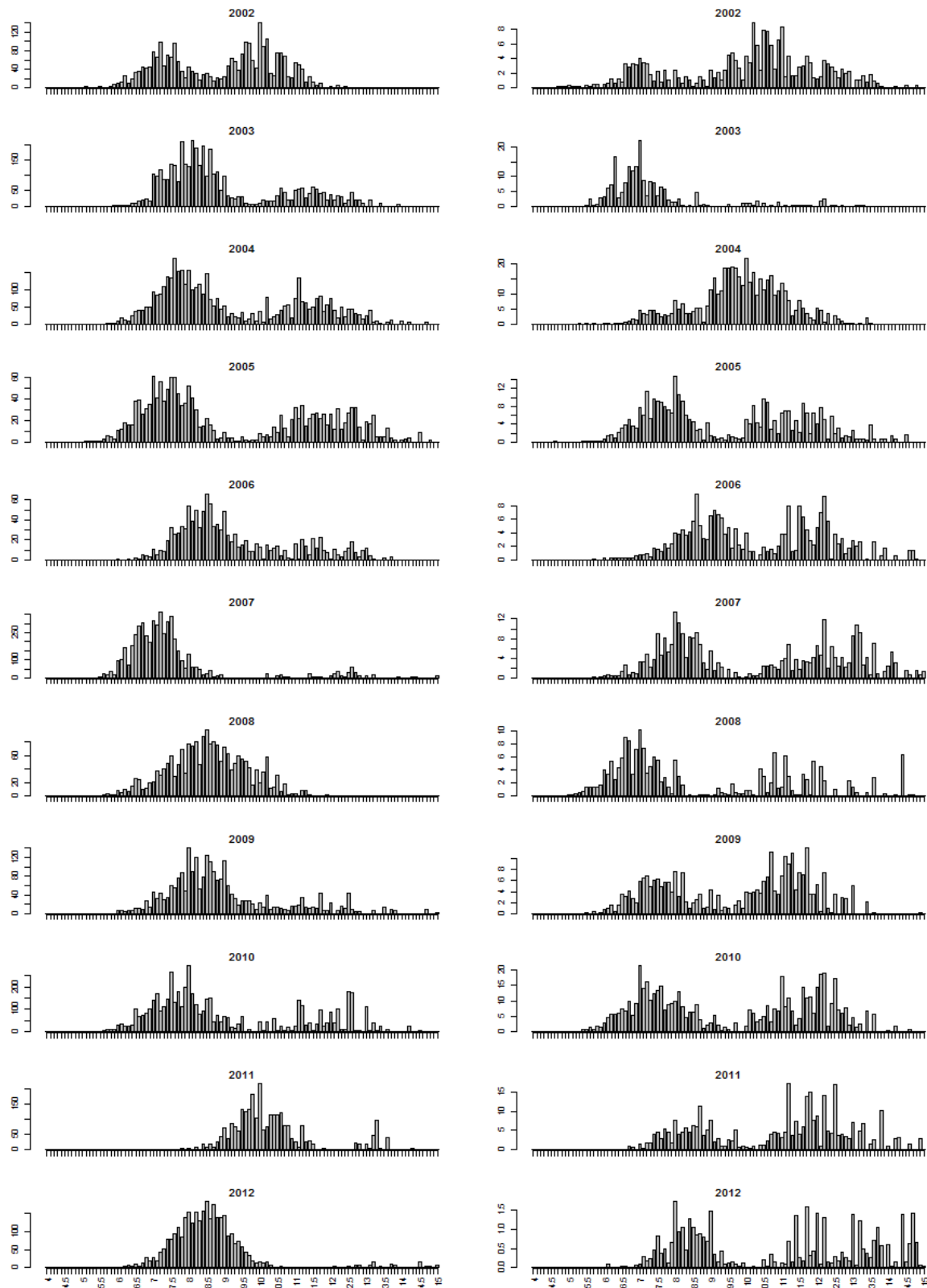
Figuur 11.6 (vervolg) Brasem lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



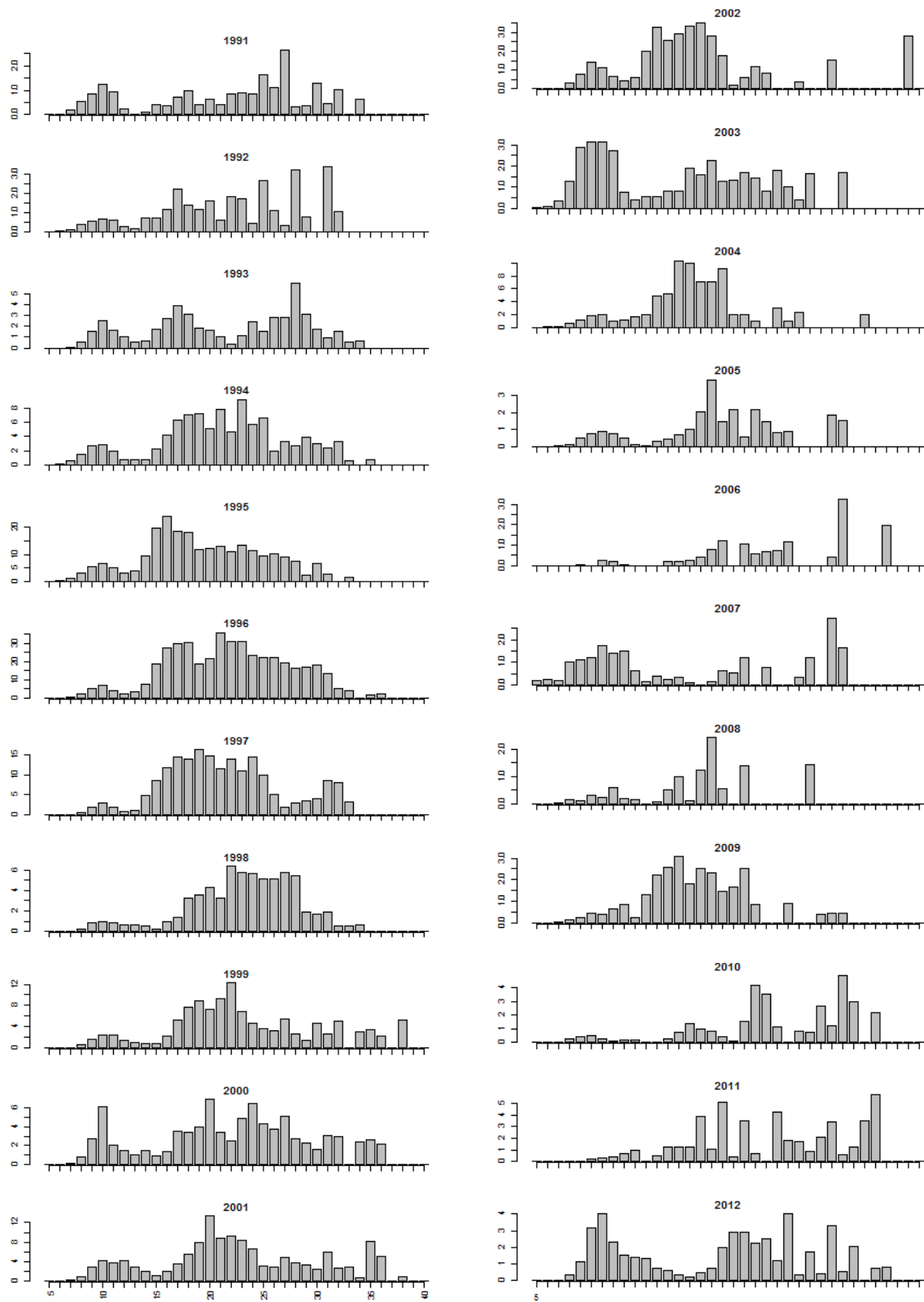
Figuur 11.7 Pos lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



Figuur 11.7 (vervolg) Pos lengte frequentieverdeling open water monitoring in het IJsselmeer (links) en Markermeer (rechts) (kg/ha)



Figuur II.8 Bot lengte frequentieverdeling open water monitoring in het IJsselmeer (kg/ha)



Tabel II.1 Open water monitoring: grenzen nulgroep op basis van lengte-frequentieverdelingen

Soort	Jaar	Grens IJsselmeer (cm)	Grens Markermeer (cm)
Baars	1966-2006	10	10
Baars	2007	13	14
Baars	2008	10	10
Baars	2009	10	11
Baars	2010	13	13
Baars	2011	10	11
Baars	2012	14	13
Blankvoorn	< 1989	10	10
Blankvoorn	1989	11	12
Blankvoorn	1990	10	9
Blankvoorn	1991	10	10
Blankvoorn	1992	10	10
Blankvoorn	1993	10	10
Blankvoorn	1994	11	12
Blankvoorn	1995	11	12
Blankvoorn	1996	10	10
Blankvoorn	1997	11	12
Blankvoorn	1998	11	10
Blankvoorn	1999	11	9
Blankvoorn	2000	11	9
Blankvoorn	2001	11	9
Blankvoorn	2002	11	9
Blankvoorn	2003	12	12
Blankvoorn	2004	11	9
Blankvoorn	2005	11	12
Blankvoorn	2006	11	12
Blankvoorn	2007	11	9
Blankvoorn	2008	10	9
Blankvoorn	2009	10	11
Blankvoorn	2010	12	11
Blankvoorn	2011	11	10
Blankvoorn	2012	10	10
Bot	< 1989	13	-
Bot	1998-2001	14	-
Bot	2003	14	-
Bot	2007	14	-
Bot	2010	17	-
Bot	2012	19	-
Bot	overige jaren	15	-
Brasem	alle jaren	12	12
Pos	< 1989	9	9
Pos	1989	10	10
Pos	1990	9	9
Pos	1991	10	9.5
Pos	1992	9	9
Pos	1993	9.5	8
Pos	1994	10	9

Pos	1995	10	9
Pos	1996	10	9
Pos	1997	10	9.5
Pos	1998	10	8.5
Pos	1999	10	8
Pos	2000	10	8.5
Pos	2001	10	8.5
Pos	2002	9	8
Pos	2003	10	9
Pos	2004	9.5	9
Pos	2005	9.5	9.5
Pos	2006	10	10
Pos	2007	9.1	9.5
Pos	2008	10	8.5
Pos	2009	10	8.5
Pos	2010	9.3	8.8
Pos	2011	10	10
Pos	2012	11	10.3
Snoekbaars	< 1989	25	25
Snoekbaars	2003	27	25
Snoekbaars	2006	27	25
Snoekbaars	overige jaren	25	25
Spiering	< 1989	9	9
Spiering	1989	10	10
Spiering	1990	9	9
Spiering	1991	8.3	9
Spiering	1992	8.8	7.5
Spiering	1993	9.2	7.3
Spiering	1994	8.2	8.2
Spiering	1995	7.8	7.1
Spiering	1996	8.2	9.2
Spiering	1997	9	9
Spiering	1998	9	9
Spiering	1999	8.5	7.8
Spiering	2000	8.4	7
Spiering	2001	8.5	7
Spiering	2002	8.8	7.5
Spiering	2003	8.5	8.5
Spiering	2004	9	8.5
Spiering	2005	10	7.5
Spiering	2006	10	7.9
Spiering	2007	10.5	7
Spiering	2008	10	7.2
Spiering	2009	8.8	7.8
Spiering	2010	8.3	8.3
Spiering	2011	10.5	7
Spiering	2012	9.5	9.5

Bijlage III. Vangstgegevens oevermonitoring

Tabel III.1 CPUE (aantal/1000m oever) per soort per jaar per habitat in de oevermonitoring in het Markermeer

	Schepnet_e												Zegen											
	Oevers metriet						Oevers met stenen						Oevers met vooroe					Zandoevers						
	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012
aal	19.8	16.4	9.6	9.3	13.1	31.2	42.9	30.5	26.7	57.4	47.9	48.2	8.7	20.3	8.5	6.5	6.5	9.1	0	0	0	0	0	0
alver	14	1.1	12.1	0.3	4.2	7.7	7.6	0.5	0.1	0.7	0	2.3	6.3	0	0	0	0	0	0	0	6	0	189	6
baars	88.8	215	167.6	165.6	97.1	105.7	118.5	204.9	166.4	187	131.5	105.3	135.2	402.9	213.7	469.2	18.8	0	9	36	9	4	0	6
barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
bittervoorn	2.6	0.3	1	2.8	2.8	17.6	2.1	0	0	11.2	2.4	1.3	0	0	0	0	0	0	0	0	0	0	0	0
blankvoorn	571.5	869.6	471.8	922.4	711.7	1084	377.4	365.4	67.1	29	189.9	696	388.8	1365.7	393.2	793.6	458.2	0	3	7.5	66	512	6	54
bot	0.5	4.2	0	1	0	0	0.5	0.6	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	12.4	1.6	3.7	91.9	19.6	14.9	3.7	1.6	1.5	1.2	0.2	18.2	3.1	0	0	0	0	0	10.5	49.5	0	52	801	1059
driedoornige stekebaars	2.9	0.3	0	1.8	4.5	4.4	0.1	0	0.3	1.1	0.5	1.2	0	0	0	0	42.7	0	0	0	0	0	0	3
gevleete Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	0	0	0
glibbel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hybride cyprinide	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.5	0	0	0	0
karp	0.4	0	0.7	1.1	0	0	0	0.3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kessiers grondel	0	0	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper	0	0.9	0.9	2.1	1.3	24.6	0.3	0.6	0.9	0.2	1.5	1.7	21.3	5.5	0	44.3	0	0	0	0	0	0	0	0
kolblei	1.9	1.3	0.5	0	12.1	10.8	6.5	0.8	0.1	0	0.2	14.5	3.1	0	0	0	0	0	0	0	0	0	0	9
kroeskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
marmegrondel	0	0	0	0.2	0.3	0.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	28.3	6.5	3.8	7	0.4	12.6	37.1	5.1	3.3	2.7	0.9	2.3	28.3	0	8.5	0	4.8	0	0	36	67.5	60	0	807
riverdonderpad	3.1	0	0.9	0.8	2.3	6.8	4.2	0.9	1.5	4	5.8	3.8	0	0	0	0	0	0	0	0	0	0	0	0
roofblei	1.6	0.7	3.1	0	0	0	0.6	0	0.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ruisvoorn	5.6	8.7	12.4	156.3	20.1	62.5	0.6	0	0	0	0.4	0.4	16.8	0	0	6.1	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0.4	2.9	1.2	1.2	2.4	2	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	2.1	0.4	2.6	1.5	0.6	2.4	1	0.9	0	0.2	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0
spiering	0	0	0	0	0.2	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tiendoornige stekebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vetje	0.5	0	0	15.2	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	36.9	15.7	61.5	34.8	28.4	136.3	47.6	8.6	121.4	36.8	16.7	3.2	64.3	57.4	42.7	32.1	0	0	10.5	0	25.5	20	0	3
witvinggrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeelt	0	0	0	0	1.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0.5	96.1	0	0	0	0	15.1	396.3	0	0	0	0	0	0	0	0	0	0	0	15

Tabel III.2 CPUE (aantal/1000m oever) per soort per jaar per habitat in de oevermonitoring in het IJsselmeer

	Schepnet_e												Zeggen					
	Oevers met riet						Oevers met stenen						Zandoevers					
	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012
aal	45.4	27.2	19.9	11.9	35.6	21.5	77	53.2	32.5	70.3	40.2	54.6	0	0	0	0	0	0
alver	0	0	0	1.4	0	0.4	6	0	0	1.3	0	0	6.5	11.4	2.7	6	4	0
baars	92.5	273.4	112.5	108.6	83.6	52	95.7	208	97.2	141	43.3	59.9	9.5	248.9	260.6	34.3	52.5	41.3
barbeel	0	0	0	0	0	0	0	0	0.2	0	0	0	0	0	0	0	0	0
bittervoorn	0	0	0	0.6	1.5	0	0	0	0	0	0	0	0	0	0	0	0	0
blankvoorn	331	407.6	241.2	332.7	194.4	481.2	53	157	28.6	153	52	1249	7.8	155.7	396.7	27	370	18.8
bot	0.6	6.4	0	0.7	0.4	1.3	12.3	2.9	1.5	0.5	0.6	0.7	1.3	0.6	0.3	0	0	0.8
brakwatergrondel	0	1.7	0	0.6	0.4	0	0	0	0	5.3	0.9	0	0	0	0	0	0	0
brasem	11.5	71.7	76.6	730.9	93.2	2.3	0.5	2.3	5.8	7.9	3.8	26.8	0	60.8	11.6	6.4	69	0
driedoornige stekelbaars	0	8.3	0.4	9.1	3.1	7.6	0	0	0	0	0	0.8	0	2.4	0	1.5	0.5	1.5
gevlekte amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
giebel	0.2	0.3	0.4	0	0.8	0.9	0	0	0	0.4	0	0	0	0.6	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
hybride cyprinide	0	0	0	0	0	0	0.4	0	0	0	0	0	0	0	0	0	0	0
karper	0.6	12.5	0	1.9	0	3	0	0	0	0	0.4	0	0	10.8	0	0.4	0	0
kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper	2.5	2.1	0.6	4.5	5.7	2.3	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	2.5	1.6	0	0.6	0.7	0.8	0	0	0	0.2	0.2	0.8	0.5	0.6	0	0	6	0.8
kroeskarper	0	0	0	0	0.2	1.3	0	0	0	0	0	0	0	0	0	0	0	0
marm grondel	0	0	0	0	1.6	1.1	0	0	0	0	0	0.7	1.8	0	0	0	0	0
pos	2.7	1.7	0	0	0	0	0.6	0.3	0	2.1	0.7	0.8	0	65.7	107.8	0.8	4.5	0
rivierdonderpad	2.3	1	1.2	1.1	1.4	0.8	3.5	2.1	1.8	2.1	6	6.5	0	0	0	0	0	0
roofblei	0	0.6	3.7	3.3	0.6	0	0	0.6	0.2	0.4	1	1.9	5	0.6	7.4	0	15.5	6
ruisvoorn	1.2	0	3.8	5.3	3.5	10.7	0.6	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	1	0	0	0	0	0.4	0.4	0	0	0	0	0	0	0	0
snoek	2.6	5.6	1.8	2.5	4.1	5.1	0	0	0.2	0	0	0.4	0	0.6	0	0	0	0
snoekbaars	0.8	0	0	0.4	2	0	0.8	5.5	0.3	0.4	1.3	0	0.5	1.8	2.3	0	9.5	0
splering	0	2.4	1.6	0	0	1.3	0	2.9	0	0.5	0	26.5	0	0	0	14.3	0	0
tiendoornige stekelbaars	0	0	0.4	0	1.9	0	0	0	0	0	0	0	0	0	0	0	0	0
vetje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	23.4	17.7	48.6	68	14.9	10.6	13.7	16.8	71.2	44.3	17.1	32.9	34	121.5	263.2	62.3	85	231
witvingrondel	0	0	0	0	0	0	0.8	0	0	0	0	0	0	0	0	0	0	0
zeebaars	0	0	15.6	0	0	0	0	0	5.4	2.3	0	0	0	0	0.3	0	0	0
zeelt	1.2	0.8	0	3.8	0.2	0.3	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tabel III.3 CPUE (kg/1000m oever) per soort per jaar per habitat in de oevermonitoring in het Markermeer

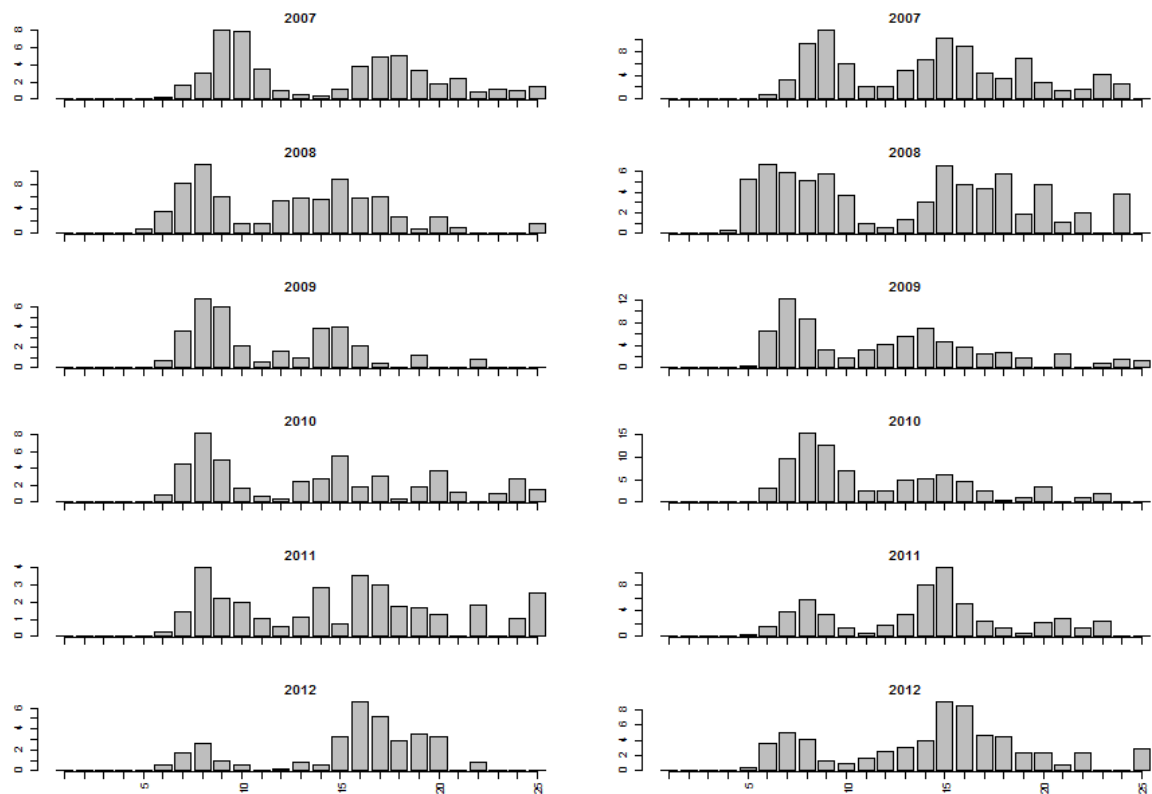
	Schepnet_Le												Zegen																
	Oevers met riet						Oevers met stenen						Oevers met vooroe						Zandoevers										
	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012					
aal	2.05	1.718	2.524	1.098	2.839	6.539	4.664	3.703	4.442	6.778	6.032	5.703	1.075	1.488	2.52	0.156	2.778	0	0	0	0	0	0	0	0	0	0	0	0
alver	0.147	0.006	0.006	0.003	0.022	0.069	0.053	0.004	0.001	0.008	0	0.002	0.068	0	0	0	0	0	0	0	0.004	0	0.147	0.043					
baars	1.89	1.719	1.278	1.104	1.049	1.204	2.027	1.695	1.635	2.036	2.254	1.762	1.366	1.301	1.299	4.058	0.741	0	0	0.098	0.141	0.018	0	0.261					
barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
bittervoorn	0.007	0	0.001	0.003	0.005	0.007	0.004	0	0	0.002	0.006	0.002	0	0	0	0	0	0	0	0	0	0	0	0					
blankvoorn	2.305	1.721	1.921	2.093	1.066	2.041	1.015	0.644	0.243	0.153	0.308	0.757	3.005	26.32	2.667	9.144	0.272	0	0.061	0.008	0.194	1.525	0.041	0.126					
bot	0.011	0.096	0	0.146	0	0	0.229	0.05	0	0	0.092	0	0	0	0	0	0	0	0	0	0	0	0	0					
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
brasem	1.856	0.418	0.028	0.431	0.032	0.022	0.02	0.024	0.008	0.002	0.008	0.026	0.002	0	0	0	0.019	0	0.151	0.101	0	0.1	10.04	2.048					
driedoornige stekelbaars	0.001	0	0	0	0.002	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.003					
gevlekte Amerikaanse rivierreef	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
glebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.007	0	0	0	0					
karper	3.446	0	3.214	0.021	0	0	0	0.005	0	2.015	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
kesslers grondel	0	0	0	0	0	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
kleine modderkruiper	0	0.002	0.002	0.005	0.002	0.045	0.001	0.002	0.002	0	0.004	0.003	0.045	0.005	0	0.124	0	0	0	0	0	0	0	0					
kolblei	0.019	0.101	0.025	0	0.128	0.144	0.069	0.038	0.005	0	0.012	0.046	0.019	0	0	0	0	0	0	0	0	0	0	0.266	0.451				
kroeskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
marm grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
pos	0.066	0.013	0.012	0.02	0.002	0.058	0.11	0.025	0.024	0.009	0.013	0.03	0.091	0	0.03	0	0.005	0	0.036	0.172	0.187	0	2.062						
rivierdonderpad	0.006	0	0.003	0.003	0.009	0.014	0.023	0.005	0.006	0.019	0.018	0.017	0	0	0	0	0	0	0	0	0	0	0	0	0				
roofblei	0.014	0.004	0.016	0	0	0	0.005	0	0.005	0	0	0	0	0	0	0.004	0	0	0	0	0.01	0	0.072	0	0				
ruisvoorn	0.197	0.157	0.884	2.148	0.207	0.113	0.013	0	0	0	0.001	0	0.147	0	0	0	0	0	0	0	0	0	0	0	0				
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
snoek	1.147	6.595	0.168	0.401	4.322	2.404	0.005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
snoekbaars	2.39	0.001	0.027	0.003	0.002	0.004	0.021	0.004	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0.002	0.162	0.291				
spiering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.006	0				
tiendoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
vetje	0	0	0	0.023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
winde	6.392	0.577	6.16	0.749	4.042	1.268	1.105	0.057	0.697	0.29	0.408	0.016	0.863	9.755	0.168	0.262	0	0.605	0	0.096	0.158	0	0.014						
wivvingrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
zeelt	0	0	0	0	0	0.103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
zwartbekgrondel	0	0	0	0	0	0.28	0	0	0	0	0.126	1.892	0	0	0	0	0.116	0	0	0	0	0	0	0.016					

Tabel III.4 CPUE (kg/1000m oever) per soort per jaar per habitat in de oevermonitoring in het IJsselmeer

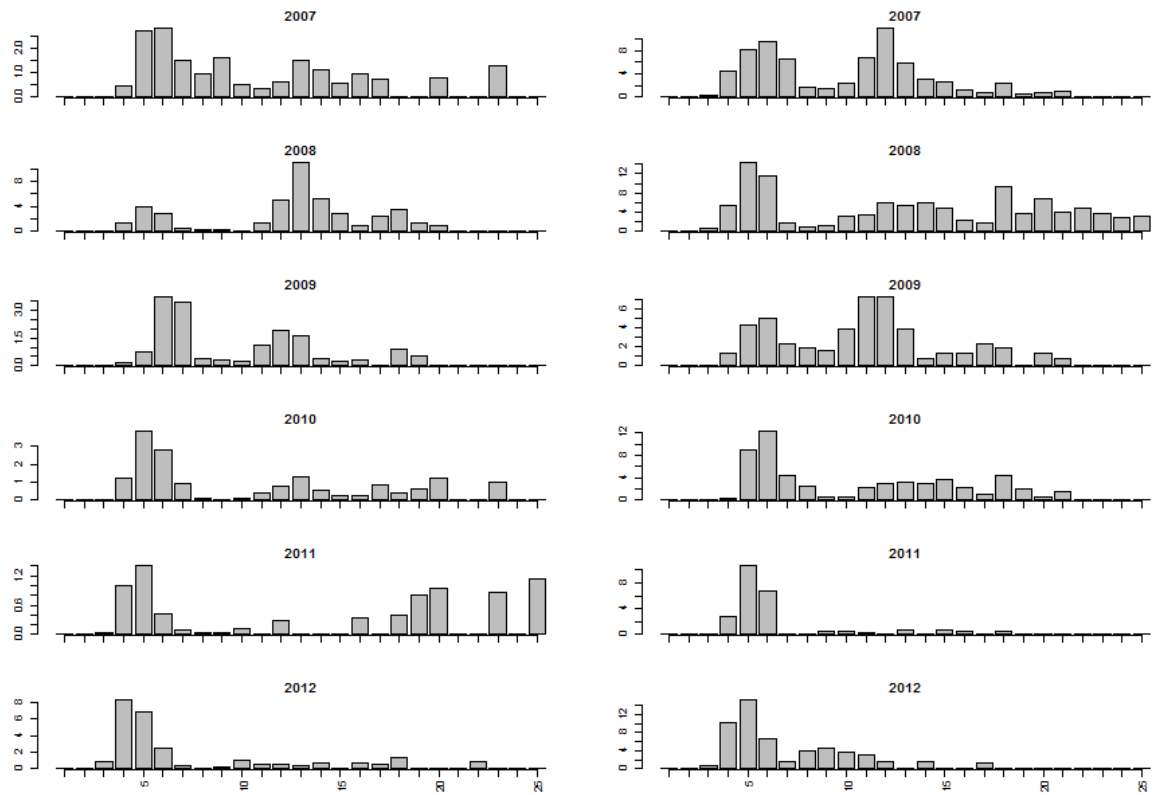
	Scheepnet_e												Zegen					
	Oevers met riet						Oevers met stenen						Zandoevers					
	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012	2007	2008	2009	2010	2011	2012
aal	6.609	3.348	3.575	1.795	4.697	3.755	8.72	8.341	4.263	8.091	5.13	6.727	0	0	0	0	0	0
alver	0	0	0	0	0	0	0.014	0	0	0.004	0	0	0.141	0.08	0.047	0.02	0.054	0
baars	1.355	2.641	1.111	1.161	1.189	0.791	2.393	2.528	1.049	1.938	0.928	1.95	0.105	1.784	1.556	0.167	0.357	0.364
barbeel	0	0	0	0	0	0	0	0	0.002	0	0	0	0	0	0	0	0	0
bittervoorn	0	0	0	0	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0
blankvoorn	0.963	2.458	0.771	0.738	0.566	0.542	0.299	0.867	0.233	0.489	0.414	1.353	0.492	1.109	1.691	0.082	1.392	0.027
bot	0.022	0.515	0	0.081	0.238	0.02	0.126	0.066	0.037	0.005	0.046	0.017	0.023	0.01	0.003	0	0	0.005
brakwatergrondel	0	0.001	0	0.001	0	0	0	0	0	0.002	0	0	0	0	0	0	0	0
brasem	0.008	0.082	0.063	0.602	0.018	0.002	0	0.005	0.004	0.01	0.002	0.021	0	0.148	0.085	0.01	0.209	0
driedoornige stekelbaars	0	0.003	0	0.003	0	0.002	0	0	0	0	0	0.001	0	0.001	0	0	0	0.002
gevlekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gjeibel	0.015	0.229	0.005	0	1.007	1.516	0	0	0	0.001	0	0	0	0.006	0	0	0	0
houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.021	0	0
hybride cyprinide	0	0	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0
karper	3.869	0.099	0	0.011	0	15.39	0	0	0	0	0.001	0	0	0.184	0	0.005	0	0
kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kleine modderkruiper	0.001	0.002	0.002	0.006	0.01	0.003	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0.079	0.025	0	0.011	0.128	0.073	0	0	0.017	0.017	0.017	0.029	0.007	0.048	0	0	0.239	0.073
kroeskarper	0	0	0	0	0.274	3.313	0	0	0	0	0	0	0	0	0	0	0	0
marmmergrondel	0	0	0	0	0.002	0.001	0	0	0	0	0.001	0.001	0	0	0	0	0	0
pos	0.009	0.004	0	0	0	0	0.003	0.008	0	0.02	0.01	0.003	0	0.343	0.622	0.006	0.024	0
rivierdonderpad	0.007	0.004	0.005	0.005	0.006	0.001	0.017	0.018	0.015	0.008	0.025	0.04	0	0	0	0	0	0
roofblei	0	0.004	0.022	0.02	0.002	0	0	0.005	0.003	0.001	0.004	0.012	0.069	0.012	0.063	0	0.161	0.035
ruisvoorn	0.783	0	0.002	0.08	0.061	0.378	0.079	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0.003	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	2.11	1.647	3.973	1.916	1.351	0.326	0	0	0.02	0	0	0.022	0	0.088	0	0	0	0
snoekbaars	0.007	0	0	0.001	0.005	0	0.004	0.012	0.001	0.001	0.003	0	1.001	0.011	0.012	0	0.054	0
splering	0	0.003	0.002	0	0	0.001	0	0.005	0	0	0	0.017	0	0	0	0.018	0	0
tiendoornige stekelbaars	0	0	0	0	0.001	0	0	0	0	0	0	0	0	0	0	0	0	0
vetje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	2.162	2.218	2.917	1.491	4.951	4.954	0.455	0.877	0.4	3.612	1.713	5.39	1.974	4.859	1.495	0.452	3.583	2.637
witvinggrondel	0	0	0	0	0	0	0.002	0	0	0	0	0	0	0	0	0	0	0
zeebaars	0	0	0.023	0	0	0	0	0	0.006	0.001	0	0	0	0	0.001	0	0	0
zeelt	0.037	0.232	0	0.536	0.001	0.158	0	0	0	0	0	0	0	0	0	0	0	0
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Bijlage IV. Lengte-frequentieverdeling in de oeverbemonstering

Figuur IV.1 Baars lengtefrequentieverdeling in het IJsselmeer (links) en het Markermeer (rechts), kg/ha



Figuur IV.2 Blankvoorn lengtefrequentieverdeling in het IJsselmeer (links) en het Markermeer (rechts), kg/ha



Bijlage V. Vangstgegevens zeldzame vis IJsselmeer

Tabel V.1 Aantal gevangen diadrome, zoetwater en zoutwater vissoorten in het IJsselmeer

	soort	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2005	2006	2007	2008	2009	2010	2011	2012
diadrome vissoorten	aal	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	driedoornige stekelbaars	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
	fint	1	1	7	8	20	3	8	3	65	666	28	27	40	84	22	45	37	101
	houting	0	0	0	6	10	79	67	181	184	271	2703	1033	1530	1791	3831	2721	996	1463
	regenboogforel	3	6	3	0	14	36	19	26	20	7	14	222	25	4	2	0	1	2
	rivierprik	0	0	0	0	0	1	1	16	108	2334	332	208	758	1093	1	1	448	366
	spiering	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0
	zalm	0	9	10	7	45	100	59	124	67	62	57	136	20	31	45	18	24	96
	zeeforel	9	122	49	92	610	1222	635	940	584	278	414	531	247	354	346	375	140	142
	zeeprik	1	50	13	51	122	213	418	408	209	1018	666	587	443	234	379	340	357	550
diadrome vissoorten totaal		14	188	82	164	821	1654	1207	1699	1237	4636	4214	2801	3063	3591	4626	3501	2003	2720
zoutwater vissoorten	driedradige meun	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	geep	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	grondel	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0
	haring/sprot	0	0	0	0	0	0	0	0	3	1	0	3	1	0	0	1	10	2
	puitaal	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	4
	tong	0	0	0	0	0	0	0	0	1	0	0	0	2	39	16	0	8	6
	vijfdradige meun	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	zeebaars	0	0	0	0	0	0	0	3	10	28	8	14	17	0	0	1	4	7
zoutwater vissoorten totaal		0	0	0	0	0	0	0	3	14	30	8	35	22	39	16	2	24	19
zoetwater vissoorten	alver	0	0	0	0	3	0	0	0	1	54	1071	198	479	558	658	160	9672	280
	baars	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	barbeel	0	0	0	1	7	19	2	3	0	5	11	7	7	7	1	5	13	3
	beekridder	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	blankvoorn	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	blauwneus	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0
	brasem	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	goudvis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	grote modderkruiper	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	1	0	0
	harder	0	9	17	19	73	26	59	56	119	86	16	41	1308	211	87	9	47	15
	karper	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	kleine marene	0	0	0	0	0	0	0	0	0	1	10	0	0	0	0	0	0	3
	kleine modderkruiper	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	2	0	1
	kwabaal	0	0	1	0	0	0	2	0	0	0	0	0	2	1	0	4	9	7
	marmorgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	meerval	0	1	2	0	3	3	8	3	1	0	3	1	9	7	0	4	12	4
	pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	pos	0	0	0	0	0	0	0	0	0	0	0	464	0	0	0	0	0	0
	rivierdonderpad	0	0	0	0	0	0	0	0	0	0	32	8	1	3	3	4	44	6
	riviergrondel	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2
	roofblei	0	0	0	0	3	4	30	30	23	49	121	50	152	69	118	58	1155	753
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
	snoekbaars	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0
	steurachtigen	0	0	0	0	0	0	0	1	3	1	1	0	1	2	0	0	0	0
	winde	0	0	0	0	0	0	0	0	1	0	336	221	219	214	49	56	717	167
	zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	1
zoetwater vissoorten totaal		0	10	20	20	89	53	102	95	153	197	1604	1034	2179	1075	916	304	11721	1246

Tabel V.2 CPUE (aantal per fuiketmaal) gevangen diadrome, zoetwater en zoutwater vissoorten in het IJsselmeer

	soort	2005	2006	2007	2008	2009	2010	2011	2012
diadrome vissoorten	aal	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0
	driedoornige stekelbaars	0	0	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	0
	fint	0.03	0	0	0	0	0	0	0
	houting	0.26	0.03	0.02	0.03	0.09	0.05	0.02	0.02
	regenboogforel	0	0	0	0	0	0	0	0
	rivierprik	0.02	0.01	0.01	0.04	0	0	0.01	0.01
	spiering	0	0	0	0	0	0	0	0
	zalm	0.02	0.02	0	0	0	0	0	0
	zeeforel	0.04	0.02	0	0.01	0.01	0.01	0	0
	zeeprik	0.02	0.05	0.01	0.01	0.02	0.02	0.02	0.02
zoutwater vissoorten	driedradige meun	0	0	0	0	0	0	0	0
	geep	0	0	0	0	0	0	0	0
	grondel	0	0	0	0	0	0	0	0
	haring/sprot	0	0	0	0	0	0	0	0
	puitaal	0	0	0	0	0	0	0	0
	tong	0	0	0	0	0	0	0	0
	vijfdradige meun	0	0	0	0	0	0	0	0
	zeebaars	0	0	0	0	0	0	0	0
zoetwater vissoorten	alver	0.2	0.02	0.01	0.03	0.05	0	0.41	0.01
	baars	0	0	0	0	0	0	0	0
	barbeel	0	0	0	0	0	0	0	0
	beekridder	0	0	0	0	0	0	0	0
	blankvoorn	0	0	0	0	0	0	0	0
	blauwneus	0	0	0	0	0	0	0	0
	brasem	0	0	0	0	0	0	0	0
	goudvis	0	0	0	0	0	0	0	0
	grote modderkruiper	0	0	0	0	0	0	0	0
	harder	0.01	0	0.01	0	0	0	0	0
	karper	0	0	0	0	0	0	0	0
	kleine marene	0	0	0	0	0	0	0	0
	kleine modderkruiper	0	0	0	0	0	0	0	0
	kwabaal	0	0	0	0	0	0	0	0
	marm grondel	0	0	0	0	0	0	0	0
	meerval	0	0	0	0	0	0	0	0
	pontische stroomgrondel	0	0	0	0	0	0	0	0
	pos	0	0.06	0	0	0	0	0	0
	rivierdonderpad	0	0	0	0	0	0	0	0
	riviergrondel	0	0	0	0	0	0	0	0
	roofblei	0.09	0.01	0	0	0.01	0	0.04	0.04
	ruisvoorn	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0
	snoekbaars	0	0.01	0	0	0	0	0	0
	steurachtigen	0	0	0	0	0	0	0	0
	winde	0.06	0.01	0	0.01	0	0	0.03	0.01
	zwartbekgrondel	0	0	0	0	0	0	0	0

Bijlage VI. Vangstgegevens diadrome visbemonstering Waddenzee

Tabel VI.1 Grenslengte op basis waarvan onderscheid tussen groot en klein gemaakt is (gebaseerd op commerciële maten).

soort	soort (NL)	grens- lengte (cm)	soort	soort (NL)	grens- lengte (cm)
diadrome vissoorten			zoutwater vissoorten		
<i>Alosa fallax</i>	fint	40	<i>Agonus cataphractus</i>	harnasmannetje	-
<i>Anguilla anguilla</i>	aal	33	<i>Ammodytes tobianus</i>	zandspiering	10
<i>Chelon labrosus</i>	diklipharder	30	<i>Atherina presbyter</i>	koornaarvis	-
<i>Coregonus lavaretus</i>	grote marene	20	<i>Belone belone</i>	geep	40
<i>Coregonus oxyrhynchus</i>	houting	20	<i>Ciliata mustela</i>	meun (5-dr.)	-
<i>Dicentrarchus labrax</i>	zeebaars	40	<i>Clupea harengus</i>	haring	15
<i>Gasterosteus aculeatus</i>	driedoornige stekelbaars	-	<i>Cyclopterus lumpus</i>	snotolf	-
<i>Lampetra fluviatilis</i>	rivierprik	33	<i>Echiichthys vipera</i>	pieterman (klein)	-
<i>Osmerus eperlanus</i>	spiering	13	<i>Gadus morhua</i>	kabeljauw	40
<i>Petromyzon marinus</i>	zeeprik	50	<i>Gobiidae spec.</i>	grondels	-
<i>Platichthys flesus</i>	bot	21	<i>Hyperoplus lanceolatus</i>	smelt	10
<i>Salmo salar</i>	zalm	40	<i>Limanda limanda</i>	schar	21
<i>Salmo trutta</i>	zeeforel	40	<i>Liparis liparis</i>	slakdolf	-
zoetwater vissoorten			<i>Merlangius merlangus</i>	wijting	30
<i>Abramis brama</i>	brasem	15	<i>Microstomus kitt</i>	tongschar	-
<i>Abramis bjoerkna</i>	kolblei	-	<i>Myoxocephalus scorpius</i>	zeedonderpad	-
<i>Esox lucius</i>	snoek	-	<i>Pholis gunellus</i>	botervisje	-
<i>Gymnocephalus cernuus</i>	pos	-	<i>Pleuronectes platessa</i>	schol	21
<i>Perca fluviatilis</i>	baars	23	<i>Scomber scombrus</i>	makreel	25
<i>Rutilus rutilus</i>	blankvoorn	15	<i>Scophthalmus rhombus</i>	griet	21
<i>Stizostedion lucioperca</i>	snoekbaars	42	<i>Solea solea</i>	tong	30
			<i>Syngnathus spec.</i>	zeenaald	30
			<i>Trachurus trachurus</i>	horsmakreel	25
			<i>Trisopterus luscus</i>	steenbolk	15
			<i>Zoarcetes viviparus</i>	puitaal	-

Tabel VI.2 Aantal gevangen diadrome, zoetwater en zoutwater vissoorten en overige soorten in de Waddenzee

soort	2001			2002			2003			2005			2006		
	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal
diadrome vissoorten															
aal	5679	12382	18061	6072	12981	19053	4081	7813	11894	1090	2969	4059	976	2273	3249
bot	3428	7787	11215	2926	24878	27804	1570	26861	28431	1620	7764	9384	1146	9311	10457
driedoornige stekelbaars	4119	14	4133	5184	0	5184	212	3324	3536	119891	98	120405	483134	2818	485952
flint	75	27	102	210	558	768	65	2900	2965	197	506	703	50	126653	126703
houting	0	2	2	2	15	17	5	67	72	13	91	104	10	9	19
rivierprik	1295	5	1300	221	0	221	583	0	583	179	0	179	10	0	10
spiering	8094	56179	64273	7934	132190	140124	9489	8395	17884	1038	59279	60317	1633	147341	148974
zalm	1	5	6	5	9	14	1	4	5	0	0	0	0	1	1
zeeforel	9	15	24	17	28	45	6	6	12	6	12	18	3	16	19
zeeprik	193	0	193	1	0	1	43	0	43	23	1	24	35	0	35
diadrome vissoorten totaal	22893	76416	99309	22572	170659	193231	16055	49370	65425	124057	70720	195193	486998	288421	775419
alver	0	0	0	0	0	0	0	1	1	0	0	0	63	20	83
baars	918	321057	321975	96	98395	98491	421	57221	57642	6438	139165	145603	828	86034	86862
barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
bittervoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
blankvoorn	814	4989	5803	206	6674	6880	354	11413	11767	617	12941	13558	643	51243	51886
blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	193	390	583	89	3407	3496	30	1995	2025	37	337	374	49	742	792
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	15	9	24
graskarper	0	0	0	0	0	0	0	0	0	0	0	0	2	1	3
harder ongespecificeerd	103	520	623	58	133	191	33	189	222	10	20	30	1	0	1
karper	0	0	0	1	0	1	6	1	7	0	0	0	2	7	9
kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	14	15	29	0	0	0	0	0	0	0	0	0	0	0	0
marmgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	1388	125577	194565	17395	29610	47005	147	71049	71196	153761	1461	155830	587618	1725	589343
rivierdonderpad	0	0	0	1	0	1	19	2	21	3	1	4	11	0	11
roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
snoek	3	0	3	0	0	0	0	0	0	0	1	1	0	0	0
sneekbaars	240	24219	24459	141	1838	1979	6	701	707	10	1528	1538	470	140073	140543
winde	0	0	0	0	0	0	0	0	0	0	0	0	31	3985	4016
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zoetwater vissoorten totaal	3673	476767	548040	17987	140057	158044	1017	142572	143589	160876	155454	316938	589735	283839	873575
overige soorten															
chinese wolhandkrab	5764	30	5794	3340	0	3340	14546	7	14553	5620	4076	9768	2737	2870	5607
crangon sp.	0	0	0	67927	0	67927	69438	0	69438	0	0	0	0	0	0
dwergprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
dwergpilinktvijl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gewone garnaal	112082	3	112085	0	0	0	0	0	0	120037	0	120044	728118	0	728118
gewone zwemkrab	346	2	348	522	0	522	1043	0	1043	5	0	5	527	0	527
giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
i. forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lollo	800	3	803	0	0	0	0	2	2	0	0	0	0	0	0
noordzeekrab	0	0	0	2	0	2	15	0	15	0	0	0	0	0	0
p. bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pagurus sp.	0	0	0	6	0	6	3	0	3	1	0	1	0	0	0
penseelkrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
steurgarnaal	7095	2	7097	14049	0	14049	6652	9	6661	25371	0	25409	21774	3	21777
strandkrab	49242	67	49309	83830	0	83830	51198	0	51198	57398	0	58992	83841	0	83841
overige soorten totaal	175329	107	175436	169676	0	169676	142895	18	142913	208432	4076	212419	836997	2873	839870
adderzeenaald	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
ansjovis	0	0	0	80	1	81	57	0	57	16	0	16	17	1	18
blauwe wijting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
botervis	2066	10	2076	146	0	146	100	0	100	97	0	100	26	0	26
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
dwergtong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
geep	216	14	230	9	0	9	19	0	19	21	0	21	8	0	8
gehoorde slijmvis	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
glasgrondel	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0
goudharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grauwe poot	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
griet	1	69	70	0	7	7	21	82	103	0	4	4	0	7	7
grondel	3013	94	3107	2461	10	2471	818	109	927	17639	5	17645	10003	0	10003
haring	400	796367	796767	88	42365	42453	508	406676	407184	229	1585345	1585574	130	1337819	1337949
harnasmantetje	31	2	33	2	0	2	2	0	2	0	0	0	0	0	0
hondshaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
horsmakreel	41	111	152	236	9	245	0	35	35	0	5	5	2	4	6
kabeljauw	6	418	424	4	65	69	2	26	28	3	21	24	1	155	156
kleine pleterman	165	21	186	49	1	50	39	0	39	12	0	12	11	0	11
koornaarvis	1	1	2	8	0	8	48	0	48	22	1	23	12	0	12
labridae	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
leng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
makreel	5	4	9	0	0	0	0	1	1	0	0	0	0	0	0
mul	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
pelsier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pitvis	0	0	0	0	0	0	1	0	1	1	0	1	0	0	0
pollachius	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
puttaal	5295	3	5298	2431	0	2431	2660	8	2668	2553	0	2643	1728	1	1729
rode poot	0	0	0	0	1	1	0	6	6	2	5	7	0	0	0
schar	10	1036	1046	1	19	20	0	95	95	1	8	9	1	9	10
schol	26	6785	6811	0	608	608	3	3744	3747	14	2331	2345	1	14348	14349
schurftvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
slakdolf	383	60	443	9	2	11	2	1	3	9	4	13	45	0	45
smelt	7	7	14	146	1184	1330	1	0	1	3	19	22	1	0	1
snotoif	2	22	24	6	1	7	0	1	1	0	1	1	0	0	0
sprot	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
steenbok	64	1114	1178	0	104	104	0	272	272	0	50	50	0	5	5
tarbot	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
tong	68	453	521	12	52	64	33	53	86	16	26	42	12	16	28
tongschar	0	1	1	0	1	1	0	6	6	0	4	4	0	1	1
vierdradige meun	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
vijsdradige meun	414	25	439	359	0	359	24	0	24	450	0	450	46	0	46
vorskwab	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
wijting	13	948	961	4											

Tabel VI.2 (vervolg) Aantal gevangen diadrome, zoetwater en zoutwater vissoorten en overige soorten in de Waddenzee

	soort	2007			2008			2009			2010			2011			2012		
		groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal
diadrome vissoorten	aal	978	1882	2860	686	1486	2172	1124	2966	4090	1712	2923	4635	719	1149	1868	407	859	1266
	bot	759	28701	29460	212	8217	8429	873	12245	13118	898	7066	7964	345	15331	15676	256	1715	1971
	driedoornige stekelbaars	114759	1	114760	100462	0	100462	1071913	13198	1085111	1026154	0	1026154	416242	0	416242	545520	0	545520
	flint	110	297	407	233	80	313	91	56	147	16	0	16	3	997	1044	14	204	227
	houtling	5	35	40	1	18	19	2	30	32	1	12	13	0	6	6	2	3	5
	riwierprik	21	0	21	45	0	45	37	0	37	122	0	122	11	0	11	101	3	104
	spiering	1042	106283	107325	2453	78537	80990	14781	261355	276136	41724	1188236	1229960	10902	24673	35575	9949	34679	44628
	zalm	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	zeefoel	5	11	16	0	23	23	0	4	4	0	2	2	0	0	0	1	1	2
	zeeprik	64	4	68	70	0	70	20	0	20	5	0	5	13	0	13	22	0	22
diadrome vissoorten totaal		117743	137215	254958	104162	88361	192523	1088841	289854	1378695	1070633	1198239	2268872	428235	42156	470435	556272	37464	593745
	alver	28	18	46	51	70	121	2	11	13	748	19	767	58	7	65	61	0	61
	baars	27336	113973	141309	135	54630	54765	12199	12775	24974	179	84197	84376	45	6027	6072	505	6892	7397
	barbeel	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	bittervoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	blankvoorn	224	10461	10685	290	42605	42895	575	5189	5764	481	35727	36208	74	5013	5087	339	8995	9334
	blauwneus	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
	brasem	22	373	395	42	1249	1291	32	227	259	218	38784	39002	17	918	935	25	2058	2083
	diklipharder	0	0	0	0	0	0	6	45	51	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespecificeerd	9	476	485	15	173	188	6	131	137	8	36	44	2	11	13	5	24	29
	karper	1	2	3	4	135	139	1	5	6	0	202	202	0	1	1	3	3	6
	kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
	kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	marmgrondel	0	0	0	0	0	0	0	0	0	4	0	4	29	0	29	9	25	34
	pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4
	pos	867082	0	867082	447755	0	447804	132071	4098	136169	1945975	0	1945975	38390	0	38390	176027	4	176031
	rivierdonderpad	19	0	19	28	0	28	16	1	17	19	0	19	40	0	40	43	0	43
	roofblei	0	65	65	0	0	0	0	0	0	1	1	2	0	0	0	1	0	1
	serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	3	0	3
	snoek	1	0	1	0	1	1	0	0	0	1	1	2	0	0	0	0	0	0
	snoekbaars	25	3013	3038	3	2515	2518	4	1513	1517	117	164128	164245	1	1358	1359	15	11781	11796
	winde	66	1074	1140	67	460	527	11	389	400	217	3464	3681	51	220	271	60	292	352
	zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	11
zoetwater vissoorten totaal		894813	129455	1024268	448390	101838	550277	144925	24384	169309	1947971	326559	2274530	38709	13555	52264	177102	30092	207194
overige soorten	chinese wolhandkrab	4217	4522	8739	3608	4883	8491	5539	9831	15370	4078	8100	12178	8294	8841	17135	7742	9722	17464
	crangon sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	dwergrinkvis	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0
	dwergpilinkvis	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	gewone garnaal	321449	14665	336114	116843	0	116843	129904	576	130480	1264205	0	1264205	107595	0	107595	53932	0	53932
	gewone zwemkrab	1	0	1	16	2	18	314	0	314	13	0	13	61	0	61	6	0	6
	giebel	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	I. forbesi	0	0	0	0	0	0	0	0	0	0	0	0	13	1	14	0	0	0
	loligo	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	noordzeekrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	p. bernhardus	0	0	0	13	0	13	4	0	4	0	0	0	0	0	0	0	0	0
	pagurus sp.	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	penseelkrab	0	0	0	7	0	7	41	0	41	67	0	67	40	0	40	56	0	56
	steurgarnaal	136657	128	136785	21483	0	21483	15841	2	15843	3460	0	3460	2436	0	2436	1833	0	1833
	strandkrab	63123	0	63123	66307	0	66307	72969	33	73002	54055	0	54055	137306	0	137306	122092	0	122092
overige soorten totaal		525448	19316	544764	208278	4886	213164	224612	10443	235055	1325878	8100	1333978	255749	8842	264591	185661	9722	195383
	adderzeenaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ansjovis	156	0	156	10	0	10	4	0	4	0	0	0	16	0	16	0	0	0
	blauwe wijting	1	0	1	1	4	5	0	0	0	0	0	0	0	0	0	0	0	0
	botervis	25	0	25	41	0	41	71	0	71	276	0	276	194	0	194	119	0	119
	brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
	dwergtong	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0	0	0
	geep	4	0	4	7	0	7	9	0	9	3	0	3	13	2	15	4	0	4
	gehoorde slijmvis	2	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
	glasgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	goudharder	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	grouwe poot	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0
	griet	0	1	1	0	1	1	0	3	3	0	5	5	0	1	1	0	0	0
	grondel	13297	35	13332	837	0	837	1881	0	1881	18183	0	18183	1659	0	1659	714	64	778
	haring	8127	15342453	15350580	73	4602456	4602529	322	283266	283588	196	129199	129395	102	60579	60681	1742	98318	100060
	harnasmannetje	1	0	1	1	0	1	3	0	3	1	0	1	9	0	9	1	0	1
	hondshaal	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	0	0	0
	horsmakreel	6	7	13	8	9	17	0	19	19	0	23	23	2	8	10	1	8	9
	kabeljauw	23	59	82	11	65	76	0	6	6	0	3	3	0	14	14	1	11	12
	kleine pieterman	21	0	21	19	0	19	33	0	33	12	0	12	12	0	12	10	0	10
	koornaarvis	58	0	58	13	0	13	1	0	1	2	0	2	7	0	7	0	0	0

Tabel VI.3 CPUE (aantal per fuiketmaal) gevangen diadrome, zoetwater en zoutwater vissoorten en overige soorten in de Waddenzee

soort	2001			2002			2003			2005			2006		
	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal	groot	klein	totaal
diadrome vissoorten															
aal	5.6	13	19	5.3	11	17	3.8	7.3	11	1	2.7	3.7	0.9	2.1	3.1
bot	3.5	8	11	2.7	24	26	1.5	23	25	1.5	7.2	8.6	1.3	9.2	10
driedoornige stekelbaars	3.9	0	4	4.3	0	4.3	0.2	3.3	3.5	107	0.1	107	512	3	515
flint	0.1	0	0.1	0.2	0.5	0.7	0.1	2.5	2.6	0.2	0.5	0.6	0	118	119
houtling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
rievierprik	1.1	0	1.1	0.2	0	0.2	0.5	0	0.5	0.2	0	0.2	0	0	0
spering	8.2	50	58	6.7	104	111	8.2	7.4	16	1	53	54	1.4	149	151
zalm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeeforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zeeprik	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0
zoetwater vissoorten															
alver	0	0	0	0	0	0	0	0	0	0	0	0	0.1	0	0.1
baars	0.8	352	353	0.1	94	94	0.4	47	47	4.1	128	132	0.9	74	75
barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
bittervoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
blankvoorn	0.8	4.6	5.4	0.2	6.3	6.5	0.3	11	11	0.6	12	12	0.6	48	49
blauwmeus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
brasem	0.2	0.4	0.6	0.1	3.3	3.4	0	2.6	2.6	0	0.3	0.4	0	0.7	0.7
diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder ongespecificeerd	0.1	0.5	0.7	0.1	0.1	0.2	0	0.2	0.2	0	0	0	0	0	0
karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
marm grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pontische stroomgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pos	1.3	123	182	20	25	45	0.1	69	69	137	1.2	139	546	1.8	548
rievierdonderpad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
snoekbaars	0.2	26	27	0.1	1.7	1.8	0	0.6	0.6	0	1.4	1.4	0.5	124	125
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
overige soorten															
chinese wolhandkrab	5.5	0	5.6	3.4	0	3.4	14	0	14	5.1	3.7	8.9	2.6	2.8	5.4
crangon sp.	0	0	0	58	0	58	75	0	75	0	0	0	0	0	0
dwerginktvij	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
dwergpilinktvij	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
gewone garnaal	124	0	124	0	0	0	0	0	0	109	0	109	742	0	742
gewone zwemkrab	0.3	0	0.3	0.5	0	0.5	1	0	1	0	0	0	0.6	0	0.6
glebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I. forbesi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
lolligo	0.8	0	0.8	0	0	0	0	0	0	0	0	0	0	0	0
noordzeekrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
p. bernhardus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pagurus sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
penseelkrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
steurgarnaal	7.4	0	7.4	13	0	13	6.3	0	6.3	23	0	23	21	0	21
strandkrab	49	0.1	49	80	0	80	46	0	46	52	0	53	80	0	80
zoutwater vissoorten															
adderzeenaald	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ansjovis	0	0	0	0.1	0	0.1	0.1	0	0.1	0	0	0	0	0	0
blauwe wijting	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
botervis	2.2	0	2.2	0.1	0	0.1	0.1	0	0.1	0.1	0	0.1	0	0	0
brakwatergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
dwergtong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
geep	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0
gehoorde slijmvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
glasgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
goudharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
grauwe poot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
griet	0	0.1	0.1	0	0	0	0	0.1	0.1	0	0	0	0	0	0
grondel	2.9	0.1	3	2	0	2	0.8	0.1	0.9	15	0	15	9.5	0	9.5
haring	0.4	801	802	0.1	46	46	0.5	416	417	0.2	1370	1370	0.1	1251	1251
harnasmannetje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
hondshaai	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
horsmakreel	0	0.1	0.1	0.2	0	0.2	0	0	0	0	0	0	0	0	0
kabeljauw	0	0.5	0.5	0	0.1	0.1	0	0	0	0	0	0	0	0.1	0.1
kleine pieterman	0.2	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0
koornaarvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
labridae	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
leng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
makreel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
mul	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pelsier	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
piltvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
pollachius	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
puttaal	5.2	0	5.2	2.2	0	2.2	2.5	0	2.5	2.4	0	2.4	1.7	0	1.7
rode poot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
schar	0	1.1	1.1	0	0	0	0	0.1	0.1	0	0	0	0	0	0
schol	0	6.9	6.9	0	0.6	0.6	0	3.6	3.6	0	2.1	2.1	0	13	13
schurftvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
slakdolf	0.4	0.1	0.4	0	0	0	0	0	0	0	0	0	0	0	0
smelt	0	0	0	0.1	0.9	1	0	0	0	0	0	0	0	0	0
snotlof	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
sprot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
steenbolk	0.1	1.1	1.2	0	0.1	0.1	0	0.2	0.2	0	0	0	0	0	0
tarbot	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
tong	0.1	0.5	0.5	0	0	0.1	0	0.1	0.1	0	0	0	0	0	0
tongschar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vierdradige meun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
vijfdradige meun	0.4	0	0.5	0.3	0	0.3	0	0	0	0.4	0	0.4	0	0	0
vorskwab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
wijting	0	0.8	0.8	0	0.4	0.4	0	0.2	0.2	0	0.1	0.2	0	0	0
witte koolvis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zandspering	0.8	0	0.9	0	0	0	0.1	0	0.1	0.1	0	0.1	0.5	0	0.5
zeebaars	0.1	0.8	0.9	0.1	3.8	3.9	0	2.4	2.4	0	1.3	1.3	0	1.5	1.5
zeedonderpad	1.8	0	1.8	0.3	0	0.3	0.4	0	0.4	0.2	0	0.2	0.1	0	0.1
zeenaald	0.1	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0
zeestekelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
zwartoglipvis	0	0	0	0	0	0	0	0							

Bijlage VII. Vangstgegevens actieve monitoring grote rivieren, per regio en vistuig.

Verklaring van afkortingen:

M=midden van de rivier bemonsterd

O=oever van de rivier bemonsterd

Z=zijwater bemonsterd

NB gegevens 2012 zijn voorlopige resultaten

Tabel VII.1 Boomkor: CPUE (aantal per ha) per soort per jaar per regio

Grevelingen (boomkor, aantal per ha)

M=midden van het water bemonsterd

	2008	2011
soort	M	M
aal	0.1	
ansjovis		0.2
bot	1.4	0.2
botervis	0.2	1.5
brakwatergrondel		5.1
dwergtong	0.4	
gewimperde zwemkrab		2.4
glasgrondel	5.2	
griet	1.4	
grondel	117.5	3.7
grote zeenaald	0.6	1.1
kabeljauw	0.2	
kleine zeenaald	1.2	
koornaarvissen	0.5	
penseelkrab		2.5
pitvis	0.3	
puitaal		5.4
schar	21.4	1.1
schol	40.3	8.8
sprot	9.2	0.7
steenbolk	1	
strandkrab		21.3
tarbot	0.6	
tong	29.3	
vijfdradige meun	0.9	
wijting	0.7	
zandspiering		0.2
zeeappel		0.2
zeebaars	2	
zeedonderpad	0.2	2.4
zeekreeft	0.3	
zwarte grondel	76.2	9.1

Noordzeekanaal (boomkor, aantal per ha)

M=midden van het water bemonsterd, O=oever van het water bemonsterd, Z=zijwater bemonsterd

	2009			2012		
	M	O	Z	M	O	Z
aal	1.5	8.6	6.3	0.6	2.3	1
baars	4.5	30.7	9.1	4.2	0.7	6.3
blankvoorn	35.8	3.2	8.8	0.4		8.5
bot	21.2	29.7	18.2	26.6	14.9	15.8
brasem	107	26.6	104.9	1.5		28.9
driedoornige stekelbaars					0.4	
dunlipharder	0.2					
glasgrondel	1		1.5	7.3	0.4	2.6
grauwe poon				0.2		
grondel	97.8	2.8	274	52.1	84.7	170
haring				124.5	0.8	3.6
harnasmannetje				1.9	4.1	
kabeljauw	1.9			1.1		
kleine zeenaald				0.6		1
kolblei	47.3	31.9	65.3			10.3
koornaarvissen				9.6	0.5	
pitvis	1.5					
pos	0.4			0.7		
puitaal				0.3		
rasterpitvis				0.3		
rode poon				0.4	0.4	
ruisvoorn			0.5			
schar	1.7	0.4		2	0.4	
schol	5	0.4	0.4	27.5	2.3	4
slakdolf	0.3					
snoekbaars	33	161.7	84.3	5.8	19.4	12.2
spiering	19.1	1.5	22.8	128.8	2.2	31.9
sprot	24.4	9.2	1.8	39.5		
steenbolk	11.8	0.5	7.5	13.7	3	7.1
tong	138.8	7.2	24	110.1	25.4	56.7
vijfdradige meun	0.4			0.4		
wijting	8.6		2.2	3.8	3.4	0.5
winde		0.5	0.6			
zeebaars	4	5.5		6.5	9.7	3.1
zeedonderpad				2.3		
zwartbekgrondel	4.4	115.8	26.6	6.3	6.2	13.2
zwarte grondel	1.3	0.9		0.8		

Oude Maas (boomkor, aantal per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012				
	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O					
aal	14.4	8.6	17.1	11	1.1	3.5	1.8	1.1	3	6	5.9	11.2	7.7	4	2.8	11.3	6.6	7.5	10.3	0.7	31.9	3.2	4.6	2.3	2.5	2.8	0.5	0.4	5.4	1.6					
alver							0.3					0.2			0.3	0.6	1				0.3	1.1	0.6		0.3		1.6		1.2	2.2					
baars		1.6	7.8				0.8		0.8																										
barbeel						0.5					1				0.3						0.6	0.3	0.6												
blankvoorn	0.4	4.1	131.8	2.8	2.2	0.5	0.6	3.6	1.7	3.7	1.1	10.4	16.5	1.1	0.9	1	2.2	1	1.8	4.6	1.9	11.6	3.3	1.3	1.3	3.7	0.4	1.8	0.8						
bot	34.6	33.4	82	24.9	33.8	40.6	1.7	3.7	1	3.7	1	10.4	16.5	1.1	7.8	13.7	25.8	45.2	3.9	9.8	3.3	5.3	6.1	1.6	5.9	5.5	3.3	10.8	1.1	3.4	3.6	6.7			
brasem	10.7	20.2	511.6	24.2	35.9		3.8	19.7	4	15.6	3.1	6.4	17.2		8.7	14.2	8.7	18.8	10.6	12.7	9.6	10.9	7.7	5.3	2.2	6.5	3.3	3.3	7.3	2.7					
chinese wolhandkrab	1.3	1.2					2.7	1.5	1.2	0.5	6.8	2	3.6	3.6	2.2	4.1	3.9	9.7	18.3	10.3	3.3	123.4	6.5	15.4	4	3	8.4	5	4.7	2.5	0.9				
donaubrasem																						0.6									0.5				
driedoornige stekelbaars																																			
gevlekte Amerikaanse rivierkreeft															0.4	0.3						0.7	0.3								0.4				
grondel	4.1	25.3																																	
harder ongespecificeerd	2	4.5																																	
haring																																			
harnasmannetje	0.4																																		
houting																																			
hybride cyprinide																																			
kolblei																																			
pontische stroomgrondel	5.2	2		2.1	5.9	0.5	7.5	5.4	8.7	0.4	1.9	10.4	5.2	1.4	5.9	4.9	1.7	14	8.9	9.7	4.9	12.9	10.9	7.4	4	9	5.5	7.2	3.6	11	2				
pos																																			
rivierdonderpad			7.8							0.8																									
riviergrondel				0.7						8.8	6.2	3.1		0.3																					
rivierprik	0.4									0.8	1.1		0.5	2.2	0.9																			0.4	
roofblei																																			
ruisvoorn																																			
schol																																			
snoekbaars	4.3	2.4	147.3	7.7	13.2	0.6	1.3	6.9	6.4	0.7	1.9	4.1	1.6		6	5.7	5.4	11.6	3.1	9.9	1.4	4.7	10.7	3	7.4	1.4	5.3	5.9	0.9	0.8	7.3	3.5			
spering	50.2	74.8	3.9										0.6	0.3																					
steurgarnalen																																			
tong																																			
wijting	0.4	1.6																																	
winde	1.9	3.3																																	
wivvingrondel																																			
zeebaars																																			
zuiderzeekrabbetje																																			
zwartbekgrondel	0.4			0.7	0.7	0.6	2	1.9	0.6	0.8	1				0.5	1.8	0.6	2.2	1	0.9	0.9		6	1.9	30.4	27.6	53.3	25.4	4.6	1.9	25	14			

Twentekanaal (boomkor, aantal per ha)

M=midden van het water bemonsterd, O=oever van het water bemonsterd

soort	2009	
	M	O
alver	5.9	6.8
baars	29.2	22.3
bittervoorn	0.2	0.1
blankvoorn	41.8	29.9
brasem	165.3	113
gevlekte Amerikaanse rivierkreeft	0.2	0.6
karper		0.1
kolblei	42.2	39.4
pos	266.8	318.7
rivierdonderpad	0.3	0.1
riviergrondel	1	0.3
roofblei		0.7
ruisvoorn	0.5	
snoekbaars	30.9	14.7
tiendoornige stekelbaars		0.1
winde	1.3	0.7
zeelt	0.3	0.1

Volkerak (boomkor, aantal per ha)

M=midden van het water bemonsterd

soort	1997	2008	2011
	M	M	M
aal	26.7	0.1	1.2
baars	293	2.7	469.1
blankvoorn	370.4	11.7	2.4
bot	44.8	2.8	4.4
brasem	135.1	37.7	8.8
chinese wolhandkrab	0.5	2.2	0.3
driedoornige stekelbaars	0.7	0.4	
gevlekte Amerikaanse rivierkreeft	14.9	1.1	3.7
grondel		0.1	
haring	9		
hybride cyprinide	0.1	0.2	
kolblei	1.2	9.7	
pos	356.4	28.3	13.4
rode Amerikaanse rivierkreeft		0.1	
snoek	0.1		
snoekbaars	686.3	14.1	46.9
spiering	108.5	0.7	1.2
sprot	0.1		
winde	3.4	0.8	
zuidzee krabbetje	0.2	0.5	
zwartbekgrondel			10.6

Zandmaas (boomkor, aantal per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	2008			2009			2010			2011			2012		
	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z
aal			0.6	0.4	0.2	0.2			1.2	0.4	0.2			0.1	0.2
alver	0.6			1.1	0.2	0.2	0.4	0.2	6.5		0.1			0.1	1.5
baars	0.8	1.4	24.7	11.7	7.3	52.9	1.2	4.6	54	9.2	23.2	55.8	1.5	2	31.7
bermpje		0.1					0.2								
bittervoorn											0.4				
blankvoorn	29.9	17.8	94.5	56.4	28	242.4	20	17.4	400.1	11.6	26.3	164.6	6.4	1.2	409.8
blauwband				0.2											
brasem	36	20.9	95.6	43.2	20.4	126.9	6.9	19.3	169.1	22.2	11.8	110.3	2	4.1	113.5
chinese wolhandkrab			0.3	1.7	0.2		0.4	0.9	1.4	0.8		1.6			
donaubrasem								0.1			0.1				
driedoornige stekelbaars											0.1				
gevlekte Amerikaanse rivierkreeft	1.9	0.3	8.6	0.2	1.4	4.6	0.9	0.5	6.2	1.2	2.6	3.4			
giebel								0.1							
hybride cyprinide	0.8	0.1	3.8		0.1	0.5			0.8			0.8			1.8
karper								0.2						0.1	
kesslers grondel												0.2	0.2	0.5	
kleine modderkruiper											0.8				
kolblei	8.3	6	1.9	6.1	1.1	0.9	2.2	3.1	15.7	4.6	6.2	5.9	1.5	2.3	7.7
kopvoorn		0.5													
marmmergrondel			0.2					0.1		0.2	2.3	1.6		0.8	1.1
meerval		0.1			0.1		0.2		0.2	0.2		0.3			
pontische stroomgrondel												0.2			0.4
pos	11.5	18.5	92.6	70.6	8.3	127.2	5.7	5.4	85.2	6.8	3.7	54.7	1.5	0.9	51.1
rivierdonderpad	0.3	2.5	0.5	0.7	2.4	0.5	4.5	1.3	0.3	1.9	2.5	0.4			
riviergrondel							0.2								
rivierprik	0.3	1.3								0.4					
roofblei							0.2		1		0.3	0.2			0.2
ruisvoorn									0.2						
serpeling	0.3														
sneep					0.1		0.2		0.2						
snoek					0.1	0.5				0.4	0.1	0.2			
snoekbaars	5.9	6.7	17.7	5.7	1	12.5	3.1	2	12.4	2.8	3.5	8.1	0.8	0.4	6.3
spiering			0.2	0.5		2.6	0.2	0.5	4.4			8.6			0.3
tiendoornige stekelbaars			0.2												
winde	1.6	1.8	0.3	1.8	0.9	1	1.8	1	7.1		1.5	0.5		0.3	1.5
witvinggrondel	2.9	1.7	0.7	5.2	1.1	0.5	0.4	0.1	0.6	0.8	0.9	0.9	0.2		
zalm	0.3	0.3			0.7			0.5							
zeelt						0.5			0.2		4.9	0.2			0.2
zonnebaars												0.3			
zwartbekgrondel											0.4		1.3	5.1	5.8

Bovenloop Waal (elektroschepnet, aantal per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012									
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z										
aal	25.4	8.3	11.1	2.8	23.6	8.6	1.8	0.7			47	11.4	10	2.2	6.4	4.1	1.4	1.9	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.4	0.8	1.4	1.2									
alver			1.4	7.2	1.2	0.9	0.9		12	0.4	0.5	0.4					3.3	19.1	1.4	0.2	1	0.4	1.1	0.3	1	1	0.8													
baars			10	0.6	9.5	8.6			4		10.3	3	7.1	0.7	8.8		3.9	0.8	8			0.3	0.2	2.7	0.5	6.5	0.7	1.8												
barbeel	0.8		0.5		0.2								2.2	1.5												0.6														
bermple													0.9																											
bittervoorn																																								
blankvoorn	5.2	9.3	6.1	431	7.7	49	4.3	5.2			0.8	45.9	14	18	7.3	120	0.3	31.1	35.8	2.8	125.1	0.2	4.9	7.8	3.8	5.6	1	76.5	2.4	2.1										
bot			0.8	0.3					0.5		0.5				0.1		0.3							0.3			0.5	0.5	0.5											
brasem	1	5.3	0.5	35	2.3	9.3	2.9		0.5	3	0.6	0.5	0.3		1.4	2.1	4		4		19.6	0.2	0.3	0.2	6.4	0.1	0.1	4.3	38.2	1.8										
chinese volhandkrab																																								
driedoornige stekelbaars																																								
dunlipharder			0.4								0.3	0.3	2.9																											
forel																																								
hybride cyprinide																																								
karper																																								
kessler's grondel																																								
kleine modderkruiper																																								
kolblei																																								
kopvoorn			0.3	0.4	1.3	2.3	1.1	24.6			0.3	2.5																												
kolblei			0.5	2	0.5		0.9	0.5	2		0.5	5.7																												
marmmergrondel											1.3	5.7																												
meerval																																								
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Hollands diep (elektroschepnet, aantal per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1998	1999	2000	2001	2002	2003		2004	2005	2006	2007		2008	2009	2010	2011	2012
	O	O	O	O	O	O	Z	O	O	O	O	Z	O	O	O	O	O
aal	7.1	20.4	12.5	11.9	23	26.3	8.8	33.1	21.9	23.7	7.4		16.5	4.8	15.7	14.9	10.4
alver	1.9	3.1	12.7	1.5	2.3	0.2			0.5	0.5	1.3		14.1	0.6	0.4	2.3	1.7
baars	5.8	9.1	5.7	10.9	18.4	20	93.8	25.9	34.6	46.1	28.4	54.1	22	6	14.8	23.8	13.7
barbeel	0.4		0.2	0.4	0.3	0.3		2.4	0.9	1.6	0.6		0.5				
bittervoorn			0.2		0.1			0.1	0.2	0.1			0.2	0.2			0
blankvoorn	83.5	28.3	96.2	68.4	229	41.5	268.2	57.4	138.8	192.2	28	2151	16.1	7.8	229	480	28.6
bot	4.4	4.8	3.4	5.5	9	17	14.1	34.3	22.7	4.5	0.6		9.9	13.2	5.9	6	0.5
brasem	4	8.1	7	2.7	2.8	1.4	9.4	1.8	1	2	1.1	6.6	3.1	3.3	1.7	4	2.5
chinese wolhandkrab			0.2				1.3	0.4					0.1		0.1		
diklipharder								0.5									
driedoornige stekelbaars	0.4	0.1	0.3	0.6	2	0.1	9.4	0.2	3.3	0.2	1	2.4	0.6	3.1	0.2	0.2	0
dunlipharder													0			0.2	0.4
gevlekte Amerikaanse rivierkreeft				0.2	0.1	0.1	1.3					0.1	0.3		0.2		
giebel										0.6							
goudvis		0.1															
graskarper	0.4																
harder ongespecificeerd				0.1		0.5							4.7	0.2		0.1	
hybride cyprinide			0.1			0.1		0.1	0.1		0.4			0.2		0	
karper	0.6	1.6	0.7	0.6	0.4	0.3		1.3	0.3	0.1	0.2		0.1	0.1	0.1	0.2	0
kessler's grondel														0.3	7.2	7.4	1.8
kleine modderkruiper	0.1			0.1		0.1		0.4			0.1					0.2	
kolblei			0.2	0.4	0.3	0.8	1.6	0.4		0.1	0.6		0.2				
kopvoorn	0.6	0.2		0.1	0.5	0.3	1.6	0.7	0.5	0.8	0.1		0.2	0.1		0	0
marmelgrondel						0.1		0.3	0.2	0.5			6.8	0.4	0.2	0.2	
meerval			0.1														
pontische stroomgrondel																	0.8
pos	0.1			0.6	0.4	0.7		0.4	1.9	1.5	0.8		1.2	0.2	0.9	1.7	
rivierdonderpad		0.1	0.2			0.2		0.1	0.4	0.1	0.2						
riviergrondel		0.2			0.1											0.1	
rivierprik								0.1									
roofblei	0.6	1.1	2.7	3.4	1.1	1.9	9.4	3.4	4.9	21.6	8.6	17.8	3.9	0.7	19.6	30.2	34.5
ruisvoorn	0.2	1.8	0.3	0.4	0.1	0.5		0.3	0.4	0.1	0.6		0.3		0.3		0.2
serpeling	0.1		0.2	0.1					0.1	0.2			0.1	0.1		0.1	
sneep		0.1	0.2	0.3		0.8		0.2		0.1	1.3				0.7	1.6	2.1
snoek	0.3	0.5	0.7	0.7	0.6	0.3	1.6	0.8	0.2	0.1	1.1		0.2	0.1	0.2	0.2	0
snoekbaars	0.8	1.8	0.5	2.3	4.3	3.3	4.7	3.9	6.4	2.2	2.8		1	0.4	0.6	3.4	0
sturgarnalen		1.6															
tiendoornige stekelbaars		0.1											0.1				
vetje			0.9														
winde	15.7	14.5	38.5	17.6	73.1	20.7	92.9	53	47.3	38.1	30.1	107	12	9.2	64.1	79.2	36.8
zeebaars				0.1				0.1									0.2
zeelt								0.1									
zoetwatergarnaal														2.2			
zwartbekgrondel													0.1	2.7	147	319	146

Nieuwe Merwede (elektroschepnet, aantal per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1998	1999	2000	2001	2002	2003	2004		2005	2006	2007	2008	2009	2010		2011	2012
	O	O	O	O	O	O	Z	O	O	O	O	O	O	O	Z	O	O
aal	6.6	6.2	2.2	7	28.1	16.7	5.7	3.4	58.7	5	10.4	1.5	1.6	3.4	6.8	1.6	0.5
alver	35.6	10.9	6.2	49.4	6.2	10.1			2.4	1.8	79.4	4.2	1.6	0.4		6.7	6.5
baars	23.7	18	34.7	44.4	125.6	584.7	28.6	607.3	426.2	197.8	158.6	53.7	43.4	44.9	341.7	55.6	75.9
barbeel				0.2					3.2	0.6	2						
bittervoorn					0.3						2.1	0.3					
blankvoorn	191.6	59.7	265.7	85	229.5	137.1	28.6	35.7	969.1	110.5	58.3	16.2	65.4	156.3	424.1	32	45.1
bot	6			3.1	1.5	9.4	2.9	13.7	35.2	1.8	1.3	1.3	3.9	1.8		1.2	
brasem	4.2	1.7	21.3	2.2	7.7	4.7		1.5	3.6	1.1	3.3	3.6	0.3	2.1	157.2	2.9	
driedoornige stekelbaars	0.3	0.3		0.2	0.9	0.3			0.2	0.9	0.1					0.6	0.8
gevlekte Amerikaanse rivierkreeft			0.3			0.6			0.2								
goudvis	0.3																
hybride cyprinide		0.3		0.8								2					
karper	0.6		0.3	0.4			2.9	0.4	0.4			0.3				0.2	
kessler's grondel												7.1	36.7	27.3		8.3	1.9
kleine modderkruiper							2.9					0.7	0.4				
kolblei				2.3	9.3						3.6	2.6					1.1
kopvoorn	1.6	0.3	0.3	2.4	2.5	1.7		5.3	8.2	2	0.6	2.5	1.5	3		2.1	0.3
marm grondel									3.4	3.7	6.2	2.1	3.6	2.1	25.1	0.9	0.3
pontische stroomgrondel														0.2		0.2	0.4
pos	0.3	0.3	1.9	2	17.9	4.9		1.2	5.5	3.8	1.2	1.2	0.7	1.6		3.3	0.3
prikken												0.1					
rivierdonderpad	0.3	0.3	0.4					0.3	2.3	1.2							
riviergrondel	0.6		0.3	0.2													
rivierprik					0.4												
roofblei	2.1	3.6	1.3	9	1.7	14.1		8.9	3.3	22.8	26.1	0.4		5.2	25.1	5.1	8.8
ruisvoorn	3.5		0.6	0.8	0.2	0.6		0.7	1.7	2	0.5	3.3	2.2	0.3	18.2		
serpeling	0.6	0.3	0.6		0.2	1.7						0.3					
sneep		0.3				3.5			0.2		0.9		1.5	0.6		0.6	0.8
snoek	1.4	1.1	4.4	1.1	5.6	2.6		0.9	2.2	1.3	4.7	1.2	7.7	1.2	6.8	0.6	0.3
snoekbaars	0.6	0.9	1.9	1.4	5.6	4		3.1	15.7	8.5	6.9		5.6	0.2		1.1	1.5
tiendoornige stekelbaars		0.3															
winde	15.7	7.3	33.3	20.7	37	25.3	2.9	26.9	34.7	21.4	39	3.2	8.3	31.3	186.8	22.3	46.6
zeelt	0.6		0.7	0.7	0.4	1.1	5.7	1.2	2	0.3	1	0.8	0.3			0.4	0.3
zwartbekgrondel														13.1		38.3	33.4

Oude Maas (elektroschepnet, aantal per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012				
soort	O	O	O	O	O	O	Z	O	O	O	O	O	O	Z	O	Z			
aal	4.9	1.4	2.4	4.3	4.5	2.2		22.6	26.3	1.4	12.4		0.6	6.8	0.4	1.6	1.5	2.7	7.4
alver	2.7	1.8	7	43	0.4	43		1	158.8	11.1	0.5			3.4	2.3	3.7		3.6	
baars	8.9	4.1	1	5.4	12	4.9		10.6	7	4.6	17.8	1.2	2.6	2.6	8.1	2.1	25.2	0.8	36.5
barbeel	0.3				1.1										0.4				
bittervoorn																	1.1		
blankvoorn	5.4	6.8	2.4	9.6	191	18.9		9.6	45	39	11.3	0.3	1.2	51.2	79	11	149	3	6
bot	0.9	0.6	2	2.8	9.7	0.3		7.4	12.5		4		1	1.8	3	0.6	2.6	2	1.4
brasem	1.2	5.5	9.8	4.2	5	10.9	3	2	6.6	6.5	8.2	0.5	1	1.1	2.7		7.8	0.5	6
driedoornige stekelbaars		0.3		1.2							0.8				0.5		2.2		2.1
dunlipharder												0.3	0.3		1.2				
hybride cyprinide				0.3															
karper	0.9	0.6	1.5																0.7
kesslers grondel														1.2				1.4	0.6
kleine modderkruiper					0.7														
kolblei		1.1		0.6		0.3		1.1			0.8			0.7	0.9				0.6
kopvoorn								0.5					0.2						
pontische stroomgrondel																0.6		0.3	
pos			0.6	0.6	1.1			0.5	4.4	0.6	1.2		0.2					0.5	0.7
rivierdonderpad	0.3			0.4						0.9									
rivergrondel																1.1			0.7
riverprik			0.3																
roofblei		0.9		1.4		0.5		0.5		10.5	2.7			4.1	1	4.1	10	23.7	
ruisvoorn				0.9		0.5			0.7				0.2		2.7		1.1		5.6
serpeling				0.5															
sneep						2.1						1.6				2.5			
snoek	0.4	0.7	0.3	0.6		0.4					2.3	0.3				0.5			0.7
snoekbaars	0.4	0.7	0.7	4.2	0.9			4.1	2.6	1.6	5.6								0.7
tiendoornige stekelbaars																			1.4
vetje												5.4							
winde	3.4	3.7	8.8	11.8	74.2	28.7	6.1	32.4	11.7	60.3	30.3	2.6	7.5	9.4	10	36	17.4	41.3	59.6
zeebaars				0.3					0.4	0.4									
zeelt		0.4										0.3							
zwartbekgrondel												15.1	102.6	39	7.1	0.7	46.5	167	

Twentekanaal (elektroschepnet, aantal per 10km transect)

O=oever van het water bemonsterd

	2009
soort	0
alver	0.6
baars	0.7
blankvoorn	8.8
roofblei	0.6
ruisvoorn	2
snoek	0.6
winde	1.7

Volkerak (elektroschepnet, aantal per 10km transect)

O=oever van het water bemonsterd

	2008	2011
soort	0	0
aal	12.9	94.5
baars	0.5	44
blankvoorn		27.2
bot	0.2	0.1
brakwatergrondel		0.2
brasem		1.2
driedoornige stekelbaars	0.5	0.9
gevlekte Amerikaanse rivierkreeft	0.2	3.3
giebel	0.3	0.5
harder ongespecificeerd	0.3	
karper		1.9
kleine modderkruiper		0.5
marm grondel		0.5
rivierdonderpad	0.6	0.9
roofblei		0.4
ruisvoorn		2.3
snoek	0.1	
snoekbaars		0.6
winde		6.7
zwartbekgrondel	0.2	15.4

Zandmaas (elektroschepnet, aantal per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	2008		2009		2010		2011		2012	
	O	Z	O	Z	O	Z	O	Z	O	Z
aal	1.3	10.9	2.2	9.1	3	5.3	4.9	8.5	1.7	3.1
alver	1	0.4			0.1			3.2		0.9
baars	3.1	11.8	9.5	31.4	11.5	20.1	6.5	12	4.3	12.2
barbeel							1	0.6		
bermpje	1.8		4	5.9	5.1	13.4	9.1	25.8	10.2	1.4
bittervoorn	0.1	0.8		0.6		0.8	2.7	3.6	0.4	0.7
blankvoorn	14.8	20.7	16.7	11.4	15.8	78.6	28.5	118	14.8	52.4
blauwband	0.3		0.5	1.3	0.3	2	0.3	0.7	0.7	3.1
brasem	0.2	0.9	0.1	0.4		2.7	0.4	16.3	0.1	4.5
bruine kikker							0.1			
driedoornige stekelbaars	0.2		0.7	1	0.1	0.8		3.1	0.4	6.5
gevlekte amerikaanse rivierkreeft	0.2		0.3	1.3	0.7	0.5	0.4	0.7		
gewone pad		0.8								
hybride cyprinide	0.2			0.4		0.3		0.7		
kesslers grondel							0.8	0.6	9.4	2.2
kleine modderkruiper				1		0.2		2.1		0.9
kolblei						0.2		0.5		
kopvoorn	0.3		0.3	0.6	0.8	1.1	0.6	2.2	3.4	0.4
marm grondel			0.8	0.3	1.1	0.4	6.1	15.4	15.7	25.1
meerval						0.1	0.1	0.2		
pos	5.4		3.5	6.8	4	2.2	6.2	5.8	0.4	1.6
prikken				0.4						0.2
rivierdonderpad	0.8		1.5	1.4	2.5	0.7	5.7	1.3	1.1	0.2
riviergrondel							0.1	0.3		0.2
rivierprik								0.2		
roofblei						0.2		2.1		1.5
ruisvoorn	0.3	1.3	0.3	2.8		0.6		1.2		0.5
serpeling	0.1		0.1	0.1			0.1			
sneep	0.1				0.2	0.1	0.2	0.2		
snoek	0.6	3.1	0.6	2.5	0.1	0.3		0.2	0.2	0.9
snoekbaars	0.9	0.8	0.2	0.4		0.2	0.1	0.5		0.9
tiendoornige stekelbaars										0.8
vetje						0.2				
winde	0.6		2.1	1.3	2.1	5.8	3.1	6.9	1.6	7.4
witvingrondel	0.1						0.2	0.2		
zalm	0.2		0.1							
zeelt	0.2	0.9	0.6	4.5	0.2	4.4	2.1	9.7	0.3	3
zoetwatergarnaal				0.2						
zonnebaars							0.2			
zwartbekgrondel							2.6		53.6	29.6

Getijden Lek (boomkor, kg per ha)

Getijden Maas (boomkor, kg per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

Soort	1998			1999			2000			2001			2002			2003			2004			2005			2006			2007			2008			2009			2010			2011			2012								
	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z						
baai	0.04	0.02	0	0.01	0.17	0.03	0.01	0.03	0	0.17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03						
blauw	0	0.13	1.45	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0	0.01	0.06	0
blauw	0.79	0.83	0.8	1.01	5.45	3.65	0.49	6.25	1.14	1.82	10.5	0.15	0.21	12.16	0	0.19	2.76	0.01	0.41	0.88	0.63	0.21	8.49	0.09	0.28	16.78	0.68	0.75	7.95	0.27	0.84	4.84	0.77	2.6	2.33	0	0.06	0.67	0.2	0.46	3.27	0.07	0.14	0.68	0						
bot	0.05	0.01	0.13	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05	0.3	0.05	0	0.19	0.31	0.05			
brasm	2.76	7.9	3.75	7.57	43.92	14.5	17.2	11.27	23.6	49.9	10.7	6.44	13	1.19	13.5	23.48	1.16	2.21	1.61	0.67	5.04	1.82	0.01	0.87	21.74	4.08	5.67	2.35	6.01	33.8	12.67	8.12	33	3.66	1.24	2.69	5.84	28.65	8.7	0.16	1.32	0.41									
chese volhandkrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
driedoornige stekebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
gewiekte amerikaanse rivierkeest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
houting	0.12	2.89	0	0.12	0.14	0.46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Kaerper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Kessers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Kribbel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Klein madderkrulper	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Klein muller	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
maarsgronden	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
maarsgronden	0.14	0.19	0.6	0.01	0.17	1.87	0.03	0.22	0.52	0.01	0.07	0.3	0.06	0.1	0.72	0.07	0.12	1.09	0.23	0.19	0.08	0.15	0.15	0.14	0.33	0.29	4.45	0.37	0.39	1.15	0.07	0.18	0.73	0.04	0.09	0.22	0	0.01	0.09	0.13	0.47	0.31	0	0	0.02	0.01					
poos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Rivierdonderspad	0.03	0.02	0	0.02	0.04	0.01	0.06	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02						
Riviergrondel	0.03	0.02	0	0.04	0.04	0.01	0.06	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02						
Rivierperk	0.03	0.02	0	0.04	0.04	0.01	0.06	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02						
rooibiel	0.03	0.02	0	0.04	0.04	0.01	0.06	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02						
Ruivervoorn	0.03	0.02	0	0.04	0.04	0.01	0.06	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02	0.04	0.04	0.02						
Serpaling	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Sneep	0.67	0.5	4	0.55	1.8	13.82	1.6	2.3	2.95	2.98	1.23	6.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
stekebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Sperling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Wilde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Wivingsgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Znagrusch-hilspad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Zoetwatergarnaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Zuiderszekrabbetje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Zwarfbeskrabbetje	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						

Soort	1998			1999			2000			2001			2002			2003			2004			2005			2006			2007			20		
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Grevelingen (boomkor, kg per ha)

M=midden van het water bemonsterd

	2008	2011
soort	M	M
aal	0	
ansjovis		0
bot	0.06	0.01
botervis	0	0.02
brakwatergrondel		0.01
dwergtong	0	
gewimperde zwemkrab		0
glasgrondel	0	
griet	1.28	
grondel	0.24	0.01
grote zeenaald	0.01	0
kabeljauw	0.03	
kleine zeenaald	0	
koornaarvissen	0	
penseelkrab		0
pitvis	0	
puitaal		0.05
schar	0.14	0.05
schol	1.18	0.29
sprot	0.06	0
steenbolk	0.1	
strandkrab		0
tarbot	1.66	
tong	0.67	
vijfdradige meun	0.03	
wijting	0.06	
zandspiering		0
zeeappel		0
zeebaars	0.07	
zeedonderpad	0.02	0.22
zeekreeft	0	
zwarte grondel	0.29	0.02

Hollands diep (boomkor, kg per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011		2012		
soort	M	M	M	M	M	M	M	M	M	M	M	M	M	M	O	M	O	M	O
aal	0.73	1.62	1.89	0.43	1.67	1.51	1.36	2.09	2.15	2.9	5.06	1.25	1.96	2.86	1.22	1.14		2.36	0.15
alver	0	0		0			0		0		0		0	0					
baars	1.1	0.71	0.49	0.67	0.66	0.44	0.32	3.02	0.42	0.53	0.74	0.33	2.13	0.95	0.86	0.49	3.76	1.78	0.49
blankvoorn	4.94	3.43	4.55	7.16	4.96	5.04	4.27	6.83	3.37	4.29	9.58	6.12	5.23	1.89		3.08	0.28	2.49	
bot	0.39	0.04	0.07	0.06	0.05	0.04	0.06	0.08	0.28	0.04	0.04	0.18	0.05	0.06	0	0.12		0.07	
brasem	64.66	78.51	61.16	77.45	74.08	66.99	64.49	48.83	44.7	45.29	61.3	25.8	56.39	55.8		46.1		28.84	0.39
chinese wolhandkrab	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	
diklipharder											0								
donaubrasem											0.04	0	0.06	0.02		0.18		0.14	
driedoornige stekelbaars	0					0	0						0	0		0		0	
gevlekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		0	
grondel								0											
harder ongespecificeerd					0											0			
hybride cyprinide	0.12	0.26	0.2	0.24	0.09	0.06	0.17	0.07	0.07	0.16	0.09		0.26	0					
karper								0.03			0.68	0.63						0	
kesslers grondel														0.01		0.02		0.02	
kleine modderkruiper														0					
kolblei	2.16	4.43	3.47	3.6	1.65	1.3	1.41	1.34	1.41	0.09	1.36	2.07	2.58	1.04	2.41		2.42		
marm grondel													0						
meerval								0.04		0.85									
pontische stroomgrondel																0.05		0.15	
pos	0.06	0.07	0.02	0.09	0.13	0.07	0.04	0.08	0.04	0.05	0.15	0.01	0.05	0.34	0.31		0.28		
rivierdonderpad	0		0	0	0	0	0			0			0						
riviergrondel		0	0	0	0	0	0	0	0	0	0.01								
rivierprik				0				0	0										
rivierrombout												0		0		0			
roofblei		0		0	0.01			0.01	0.01				0.04						
serpeling								0											
sierlijke steurgarnaal													0						
snoek			0.07	0.06		0.08	0.02					0.17	0.02	0.11		0.14		0.04	
snoekbaars	11.01	8.57	8.28	6.78	5.98	4.09	6.02	5.1	9.28	10.21	8.6	8.07	7.08	5.72	409	4.8	6.1	0.02	
spiering	0.01	0.01	0.01	0.01	0.01	0	0.01	0		0		0	0	0		0		0	
steurgarnalen			0																
tiendoornige stekelbaars						0													
winde			0.02	0.02	0	0.06	0.01	0.25	0.03				0.04	0	0		0.03		
witvingrondel												0	0.01	0	0	0	0		
zuiderzeekrabbetje		0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel													0.01	0.08	0.07	0.32	0.03	0.43	0.06

Noordzeekanaal (boomkor, kg per ha)

M=midden van het water bemonsterd, O=oever van het water bemonsterd, Z=zijwater bemonsterd

	2009			2012		
	M	O	Z	M	O	Z
aal	0.4	1.32	2.46	0.16	0.24	0.06
baars	0.55	5.48	1.86	0.37	0.22	0.44
blankvoorn	0.6	0.48	1.98	0.05		0.93
bot	2.05	3.65	1.57	2.71	1.89	1.22
brasem	11.29	2.87	15.93	0.29		1.02
driedoornige stekelbaars					0	
dunlipharder	0.02					
glasgrondel	0		0	0.01	0	0
grauwe poon				0		
grondel	0.17	0	0.53	0.07	0.09	0.27
haring				0.93	0.01	0.03
harnasmannetje				0.01	0.03	
kabeljauw	1.51			0.13		
kleine zeenaald				0		0
kolblei	1.52	5.72	8.05			0.45
koornaarvissen				0	0	
pitvis	0.01					
pos	0			0		
puitaal				0		
rasterpitvis				0		
rode poon				0.02	0.02	
ruisvoorn			0.02			
schar	0.06	0		0.05	0.01	
schol	0.09	0	0	0.9	0.06	0.07
slakdolf	0.01					
snoekbaars	7.61	36.74	12.74	0.48	10.44	1.4
spiering	0.28	0.01	0.22	1.36	0.03	0.21
sprot	0.09	0.03	0.01	0.15		
steenbolk	1.18	0.05	0.57	1.47	0.28	0.74
tong	3.26	0.23	0.75	1.22	0.44	0.53
vijfdradige meun	0.03			0.01		
wijting	0.94		0.22	0.33	0.22	0.03
winde		0.37	0.44			
zeebaars	0.4	0.06		0.05	0.07	0.01
zeedonderpad				0.15		
zwartbekgrondel	0.06	0.73	0.22	0.07	0.05	0.17
zwarte grondel	0.01	0		0		

Oude Maas (boomkor, kg per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012			
	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O	M	O				
aal	1.54	1.59	2.71	1.55	0.08	0.53	0.2	0.13	0.6	1	2.38	1.3	0.9	0.48	2.4	1.87	2.19	3.11	0.05	7.1	0.88	1.14	0.85	0.56	0.96	0.02	0.17	2.7	0.3	0	0			
alver	0.19	2.19	0.01				0.15				0.03			0.14	0.11	0.08			0	0.51	0.2	0.13		0.05		0.01								
baars					0.01				0		0.18			0.4	0.26	0.54	0.13	1.29	2.34	0.01	0.3	0.01			1.56	0.04	0.4	0.3						
barbeel	0	0.52	0.24	0.51	0.06	0.2	1.48			0.31	0.2			0.4	0.26	0.54	0.13	1.29	2.34	0.01	0.3	0.01			1.56	0.04	0.4	0.3						
blankvoorn	0.36	0.81	0.7	0.29	0.16	0.17	0.05		0.1	0.1	0.09	0	0.1	0	0.09	0.15	0.2	0.01	0.05	0.01	0.24	0.02	0.01	0.04	0.03	0.03	0	0	0.1					
brasem	3.09	8.29	33.86	11.5	29.5	1.84	15.1	2.4	8.08	1.6	2.69	10.7		4.1	7.41	1.98	6.13	2.64	1.45	4.38	1.87	2.78	1.64	3.62	0.59	4.8	0.56	0.43	2.6	1.7				
chinese wolhandkrab	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
donaubrasem																																		
driedoornige stekelbaars					0	0																												
gevleete Amerikaanse rivierkreeft					0	0																												
grondel	0.01	0.04																																
harder ongespecificeerd	0.01	0.03																																
haring	0																																	
harnasmantje																																		
houting																																		
hybride cyprinide																																		
kolblei	1.17	0.85	0.45	2.86	0.45	3.31	4.2	2.75	0.1	0.35	5.77	4.5	0.9	2	2.42	0.75	4.3	1.02	2.14	2.76	2.84	0.97	2.07	1.05	1.6	1.47	1.24	1.03	1.5	0.7				
pontische stroomgrondel																																		
pos																																		
pos																																		
rivierdonderpad																																		
riviergrondel			0.01																															
riviergrondel																																		
rivierprik																																		
roofblei	0.03																																	
roofoel																																		
ruisvoorn																																		
ruisvoorn																																		
school																																		
school	0.04																																	
snoekbaars	3.16	0.03	10.04	2.14	3.29	0.34	0.43	0.9	0.92	0.2	0.6	1.89	0.5	2.5	1.82	1.74	4.3	8.63	3.97	0.13	2.75	2.98	0.67	6.07	0.48	1.37	4.51	0.02	0.69	3.4	1.2			
snoekbaars																																		
spletering	0.25	0.45	0.02																															
steurgarnalen																																		
steurgarnalen																																		
tong	0	0.06																																
wijting	0.03	0.14																																
wijting																																		
winde																																		
witvingrondeel																																		
witvingrondeel																																		
zeebaars																																		
zeebaars																																		
zuiderzeekrabbetje	0																																	
zuiderzeekrabbetje																																		
zwartbekgrondel																																		
zwartbekgrondel																																		

M=midden van het water bemonsterd, O=oever van het water bemonsterd

Twentekanaal (boomkor, kg per ha)

soort	2009	
	M	O
alver	0.05	0.08
baars	2.15	1.76
bittervoorn	0	0
blankvoorn	1.65	2.73
brasem	11.84	29.45
gevlekte Amerikaanse rivierkreeft	0	0
karper		2.68
kolblei	5.59	15.02
pos	1.43	1.3
rivierdonderpad	0	0
riviergrondel	0.01	0
roofblei		0.04
ruisvoorn	0.04	
snoekbaars	6.38	16.95
tiendoornige stekelbaars		0
winde	0.15	0.14
zeelt	0	0

Volkerak (boomkor, kg per ha)

soort	1997	2008	2011
	M	M	M
aal	1.64	0	0.24
baars	4.28	0.58	4.24
blankvoorn	3.01	1.16	0.14
bot	2.12	0.12	0.05
brasem	3.92	9.49	3.24
chinese wolhandkrab	0	0	0
driedoornige stekelbaars	0	0	
gevlekte Amerikaanse rivierkreeft	0	0	0
grondel		0	
haring	0.12		
hybride cyprinide	0	0	
kolblei	0.19	3.16	
pos	5.87	0.28	0.14
rode Amerikaanse rivierkreeft		0	
snoek	0.04		
snoekbaars	8.48	3.47	1.75
spiering	0.65	0.01	0
sprot	0		
winde	0.17	0.2	
zuidzeezeekrabbetje	0	0	
zwartbekgrondel			0.04

Zandmaas (boomkor, kg per ha)

M=midden van de rivier bemonsterd, O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	2008			2009			2010			2011			2012		
	M	O	Z	M	O	Z	M	O	Z	M	O	Z	M	O	Z
aal			0.29	0.32	0.05	0.16			0.9	0.3	0.19			0.1	0.3
alver	0.01			0.02	0	0	0	0	0.09		0			0	0.03
baars	0.03	0.59	3.64	0.16	0.12	0.63	0.2	0.12	0.88	0.16	0.2	0.52	0.1	0	0.59
bermpje		0					0								
bittervoorn											0				
blankvoorn	5.27	3.57	10.2	5.55	1.22	6.31	1.1	0.83	5.95	0.27	0.54	2.57	0.6	0.2	7.76
blauwband				0											
brasem	11.6	17.4	24.9	12.7	22.5	15.18	3.3	12.4	17.99	1.05	2.62	5.18	0.7	1.1	17.47
chinese wolhandkrab			0	0	0		0	0	0	0		0			
donaubrasem								0.08			0.02				
driedoornige stekelbaars											0				
gevlekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0			
giebel								0.31							
hybride cyprinide	0.07	0.04	0.55		0.07	0.09			0			0.01			0.1
karper								3.9						2.3	
kesslers grondel												0	0	0	
kleine modderkruiper											0				
kolblei	3.05	1.63	0.29	2.16	0.54	0.07	0.4	0.87	2.3	1.01	2.1	2.6	0.4	0.9	0.79
kopvoorn		0.34													
marm grondel			0					0		0	0	0.01		0	0
meerval		0			0.51		0.8		0	0.31		0			
pontische stroomgrondel												0			0
pos	0.07	0.09	0.48	0.38	0.06	0.69	0.1	0.05	0.54	0.05	0.02	0.25	0	0	0.26
rivierdonderpad	0	0.01	0	0	0.01	0	0	0	0	0	0.01	0			
riviergrondel							0								
rivierprik	0.02	0.07								0.02					
roofblei							0		0.01		0.01	0			0.01
ruisvoorn									0						
serpeling	0														
sneep					0		0		0						
snoek					0.31	0.94				0.18	0.06	0.03			
snoekbaars	2.56	3.96	5.07	1.64	0.97	3.3	0.8	1.39	3.04	0.58	1.26	1.43	0.3	0.2	3.54
spiering			0	0		0.01	0	0	0.01			0.02			0
tiendoornige stekelbaars			0												
winde	0.52	1.92	0.04	0.03	1.37	0.02	0.2	0.89	0.31		1.39	0.01		0.6	0.03
witvingrondel	0.01	0.01	0	0.04	0.01	0	0	0	0	0	0	0	0		
zalm	0.02	0.01			0.01				0.01						
zeelt						0					0.1	0.03			0.01
zonnebaars												0			
zwartbekgrondel											0		0	0	0.01

Tabel VII.4 Elektroschepnet: CPUE (biomassa (kg) per 10km transect) per soort per jaar per regio

Benedenloop Gelderse IJssel (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012	
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z		
aal	0.53	1	0.52	0.19	0.08	0.02	0.43	0.62	0.35	0.87	0.5	1.15	0.45	0.82	0	2.41	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0.44
alver	0	0	0.04	0.01	0.04	0.2	0.11	0.47	0.09	0	0.3	0.49	0.11	0	0	0.26	0.75	0	0.14	0.07	0	0	0	0	0	0	0	0	0	0	0.14	
barbeel	0.12	0.7	0.28	0.35	0.01	0.1	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
bittervoorn	3.71	1.5	1.78	0.27	1.38	0.96	0.57	0	0.6	0	1.74	0.38	0.57	0.1	1.23	3.07	0.37	83.34	0.42	0.16	0.4	0	0.23	0	0.1	0.02	0.19	0	0	0	0.01	
blanivoorn	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0	
brasm	1.63	0	1.83	15.1	0.04	6.73	0	3.85	8	1.37	0.01	2.21	0.04	0.05	0.01	27.91	0	1.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
driedoornige steikelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
gevekte Amerikaanse rivierkreeft	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
glibbel	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
karper	0.55	0	0.97	0.09	0	8.74	0.25	0	0.58	13.5	5.7	2.88	0.69	11.2	2.24	0	0.01	0	0	0	0	27.5	0	0	0	4.83	0	0	0	0	0	
kesslers grondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
marmergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
pontische stroomgrondel	0.02	0	0.07	0.01	0.01	0	0	0.02	0.1	0.05	0.44	0.06	0.22	0.01	0.02	0	0.01	0.02	0	0	0	0.03	0.06	0	0	0	0	0	0	0	0.01	
pos	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
rivierdonderpad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
riviergrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
rooiblei	0.01	0	0.01	0.01	0.07	0.01	0.01	0.03	0.1	0.05	0.44	0.06	0.22	0.01	0.02	0	0.01	0.02	0	0	0	0.03	0.06	0	0	0	0	0	0	0	0.01	
ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
serpeling	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep	0.09	0.5	5.27	4.19	6.36	0.42	1.82	1.7	0	4.09	0.53	4.36	0.74	0.76	0.09	1.72	0.91	0.02	0.06	7.27	0.1	0.02	0	0.02	0.1	0.3	0.19	3.2	0	0	0	
snoek	0.35	0	0.12	0.05	0	0.21	0.21	0.09	0.19	0.53	0.04	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoekbaars	2.35	0.6	0.01	0	0	1.25	0.08	0.01	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
splering	1.52	0.1	0.31	0.05	3.29	0.21	0.92	0.98	1.67	0.14	0.18	0	0.03	0.27	0.32	5.81	0.17	1.1	0.25	0.8	1.55	0.8	0	0	0	1.5	0	0	0	0	0.03	
tiendoornige steikelbaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
witvingr ondel	0.22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zoetwatergarnaal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zwartbekgrondel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Bovenloop Gelderse IJssel (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012					
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z						
aal	3.6	2.22	0.79	0.98	1.29	0.36	2.6	3.07	0.81	4.06	5.78	3.31	2.9	0.93	2.3	0.19	3.04	0	0.04	0	0.22	0.85	0.13	0	0.01	0.45	0	0.01	0.45	0	0.2	0.1				
alver	0.1	0	0.01	0	0.02	0.01	0	0	0.01	0.1	0.02	0.06	0.06	0.07	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0.02	0	0	0					
baars	0	0.19	0	0.87	0.01	0.05	0.1	0.9	0.04	0.8	0.23	0.1	0.1	1.13	0.26	0.2	0.11	0.39	0	0.05	0.04	0.93	0.02	0	0.01	0	0.6	0.02	0.01	0	0.1					
barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
bermple																																				
bittervoorn																																				
blankvoorn	0.1	0.12	0.38	0.97	0.12	0.47	0.3	6.11	0.71	0.1	1.19	0.53	2.23	2.43	2.8	4.2	0.7	0.46	1.5	2.03	1.46	1.9	0.03	0.02	0.23	0.01	0.1	0.6	0.13	0.04	0.8	0.1				
bot	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
brasem	0.6	0	0	0.31	0	0	0.7	0.57	1.35	0.9	1.34	1.43	0.57	0	0	0	0.41	0	0.1	2.27	0	0.75	0.56	0.32	1.65	0	0.18	0	0.26	0.54	0.2	0	0			
driedoornige stekelbaars																																				
gevlekte Amerikaanse rivierkreeft																																				
hybride cyprinide												0.03																								
karp																																				
keslars grondel																																				
kleine modderkruiper																																				
kolblei			0.01	0.08	0.01	0.16	0	0.11	3.01	0	1.02	0.03	0.42	0.01	0.17	0	0.01	0	0.2	0.01	0.01															
kopvoorn	0	0	0	0	0.01	0	0	0	0	0	0.04	0.55	0.55	0.02	0.02	0	0	0	0	0	0	0.01														
marmelgrondel																																				
poitische stroomgrondel																																				
pos	0.03	0			0.05	0.01	0	0.19	0.06	0	0.08	0.03	0.08	0.29	0.02	0.2	0.04	0.16	0	0.02	0.01	0.3														
rivierdonderpad																																				
riviergrondel																																				
riverpriek																																				
roofblei	0	0			0	0	0.02	0.11	0.03	0	0.01	0.03	0	0	0.1	0	0	0	0	0	0															
ruisvoorn					0.3	0.06	0	0.01	0.9	0.08	0.08	0.01	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
serpeling					0	0.01	0	0	0.04	0	0	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep					0	0	0	0	0.03	0	0	0.01	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek					0.51	0.02	4.95	0.51	0.03	1.01	1.71	0.33	3.86	1.43	8.1	0.25	0.2	0.47	0.9	0.9	7.86	2.04	0.3	1.45	1.1	0.8	0.01	0.7	0.02	0.3	0.1	0	0.3			
snoekbaars	0.05	0			0.51	0.02	4.95	0.51	0.03	1.01	1.71	0.33	3.86	1.43	8.1	0.25	0.2	0.47	0.9	0.9	7.86	2.04	0.3	1.45	1.1	0.8	0.01	0.7	0.02	0.3	0.1	0	0.3			
spiering																																				
tiendoornige stekelbaars																																				
veije																																				
winde	0.1	0.02	0.22	0.01	1.38	0	1.4	0.67	0	0.76	0.03	0.46	1.07	1.32	0.5	2.39	2.35	0.3	0.11	0.92	0.69	1.16	0.02	1.07	0	0.69	0.1	0.31	0.03	1.1	0	0				
zeelt																																				
zoetwatergarnaal																																				
zwartbekgrondel																																				

Bovenloop Waal (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012					
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z						
aal	2.06	0.85	1.37	0.5	2.75	1.18	0.2	0.06	0	0	8.6	2.05	1.7	0.3	1.51	0.8	0.44	0.37	0	0	0.18	0	0	0	0	0.04	0.16	0.35	0.21	0.2	0.33					
alver			0.03	0	0.01	0	0	0	0	0	0	0.03	0	0	0	0	0.01	0.01	0	0	0	0	0	0	0	0.03	0	0.03	0.01	0						
baars					0.3	0.01	0.13	0.09	0.02	0	0.21	0	0.1	0	0.01	0.2	0.11	0.01	0.11	0.01	0.1					0	0	0.09	0.05	0	0.02					
barbeel	0.01		0		0								1.3	0	0.02												1.92									
bermple																																				
bittervoorn																																				
blankvoorn	0.12	0.62	0.2	1.9	0.66	0.31	0	0.23			0	0.68	0.2	0.4	0.14	1.1	0	0.25	0.23	0.1	1.37	0	0.05	0.1	0.1	0.02	0.03	0.04	0.39	0.2	0.01					
bot					0.1	0.08			0.2		0.2				0	0.09									0.1		0.04	0.05	0							
brasem	0.87	0.84	0.27	1	2.1	0.63	2.42				0	1.29	0	0	0.1	1.62	0.76				0.58	0.31	0.43	0.3	11.4	0	6.29	0.82	2.9							
chinese volhandkrab																																				
driedoornige stekeelbaars																																				
dunlipharder																																				
forel																																				
hybride cyprinide																																				
karp																																				
kessiers grondel																																				
kleine modderkruiper																																				
kolblei			0.2	0.1	0.14	0.17	0.1	0.59			0																									
kopvoorn			0.24	0	0.02		0.1	0	0.01	0	0	0.01	0.1																							
marmmergrondel																																				
meerval																																				
pontische stroomgrondel																																				
pos	0.02		0.01	0.1	0.02	0.04	0	0.01			0.09	0	0.3		0.1		0.03				0.03					0	0.01	0	0	0	0	0	0	0	0	
rivierdonderpad																																				
riviergrondel																																				
rivierprik	0.02										0.3	0.2	0	0.02	0	0.03										0		0.03								
roofblei	0	0.02	0.01	0				0.01	0.02			0.02	0				0.01				0.02		0			0	0	1.73	0.01	0.04						
ruisvoorn																																				
serpeiling											0										0	0														
sneep					0.06																															
snoek					0.07						2.17						0.71	2.12			0.36															
snoekbaars	0.88		0.2	0.11	0.51	0.4	1.72		0.1		1.15		0.2		1.5	1.01	0.81			0.02					0.9	4.46	0.37									
vetje																																				
winde	0.01	0.74	0.3		0.3		0.1	0.01			1.1	0.55	1.6	0	2.13	0.2	0.01	0.01	0.08	1.08	1.5	0.03	0.27	0.1	0.01	0.04	4.32	0.02	2.9	0.09						
witvingrondel																																				
zeelt											0																									
zwartbekgrondel																											0	0.28	0.06	0.2	0.28					

Getijden Lek (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012				
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z			
aal	0.04	0.1	0.88	0.61	0.17	0.49	0.12	0.4	0.86	1.42	1.09	1.43	0.3	0.44	1.11	0.24	0.89	0.43	0.05	0.77	0.18	0.74	0.17	0.74	0.18	0.74	0.17	0.74	0.17	2.16	0		
alver			0.02	0.02	0.01		0.03	0	0.07	0	0.05	0.01	0	0.02	0	0.02	0	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0	0	0			
baars	0.06		0.78	1.55	0.01	0.97	0.14	0.3	0.67	0.68	0.02	1.06	0.1	0.19	1.47	0.11	1.79	0.56	0.01	0	0.12	0.02	0.02	0.02	0.01	0.02	0.02	0	0	0.02			
barbeel									0.01		0.03					0.02		0.01															
blankvoorn	0.96	0	0.4	2.26	0.14	0.51	0.4	0.9	0.82	2.6	0.91	5.99	0.9	0.19	1.55	0.69	0.76	0.28	0.21	0.04	0.06	0.21	0.1	0.06	0.21	0.1	0.12	0.12	0.12	0.12			
bot	0.01	0	0.05		0		0	0	0.16	0.03	0	0	0	0	0.06	0.02	0.01	0	0	0.02	0.17	0.25	0.01	0.17	0.25	0.01	0.01	0.01	0.01	0.01			
brasse	0.03		3.45	0.4	0.36	0	9.17	0.6	2.65	0.01	1.17	0.02	4.3	10.09		9.17	1.53	0.01	2.48	11.12	0.3	2.38	0.3	2.38	0.3	2.38	0.3	2.38	9.22	9.22			
chinese wolhandkrab									0			0																					
diklipharder									0	0	0	0	0	0	0				0	0											0.01		
driedoornige stekeelbaars			0				0	0					0						0	0											0		
harder ongespecificeerd																																	
hybride cyprinide																																	
karpers	7.32																																
kolblei			0.04	0.1			0.01	0			0.48				2.42	6.57			0.62	2.14	1.7	0.76	3.91	0.01	0.76	3.91							
kopvoorn									0	0																							
marmelgrondel																																	
pos			0.01	0.02	0.01	0.01			0.17	0.1	0	0		0	0.02			0							0.01	0.01							
rivierdonderpad									0	0																							
riviergrondel									0.02	0.03	0																						
roofblei	0.02						0.01	0.1	0	0.01		0.03	0.01	0.01	0.04	0.03	0.02	0	0	0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02		
ruisvoorn									0	0.01			0.3	0.01	0.01	0.01	0.01	0.01															
serpeling			0.02				0.02	0.02	0.01	0.01	0.02			0.01	0.01																		
sneep	0.01		0						0	0	0.06	0.01	0	0.01	0.01																	0	
snoek	0.93			1.8		1.45	3.2		0.24	0.75				1.3		7.12	0.01															0	
snoekbaars	1.48		0.13	0.08	0.63	0.85	1	0.69	0.32	1.71	0.4			0.31	0.93	0.03	0.2	0.34							0.09	0.35	0.01	0.01	0.01	0.01	0.01		
splering			0																														
tiendoornige stekeelbaars																																	
winde	1.6	0	0.98	0.23	1.89	0.05	3.1	0.1	3.55	0.12	3.07	0.18	10	4.72	0.47	5.7	0.03	1.38	2.53	7.31	0.38	2.98	4.01	2.98	4.01	0.01	0.01	4.23	4.23	4.23			
witvingrondel																																	
zeebaars																																	
zoetwatergarnaal																																	
zwartbekgrondel																				0						0.07	0.06					0.16	

Getijden Maas (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012	
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z
aal	0.6	1.14	1.28	0.37	0.6	0.47	0.34	1.8	2.06	2.44	1.22	1.26	1.17	1.18	3.95	3.71	1.84	1.88	0.48	0.7	0.39	0.65	0.03	0.95	0.41	0.27	0.13	0	0	
alver			0.12	0.04	0.02	0	0	0	0	0	0.01	0.01	0	0.15	0	0	0.01	0.01	0	0.07	0.01	0.01	0.05	0.1	0.15	0.5	0.05	0	0	
baars	0	1.46	1.28	0.74	0.13	1.27	0.03	2.32	0.21	3.7	0.26	0.32	0.2	1.32	1.19	7.35	0.32	1.2	0.12	3.13	0.42	0.09	0.05	0.1	0.15	0.5	0.05	0	0	
barbeel									0				0.01		0.01		0.01						0		0		0		0	
bermpje																														
bittervoorn																														
blankvoorn	0.9	0.19	0.23	1.94	0.81	0.11	0.25	0.54	0.14	0.88	0.44	0.21	0.13	1.01	174.99	2.31	0.49	0.31	0.01	0.05	0.16	1.17	0.53	0	0.05	0.51	0.05	0.4	0	
bot	8.67	0.57	1.81		0.29		0.01	0.48	0	0	0.57		0	0	1.16	0	0.86	0.01	0		0	0	0.53	0	0.15	0.25	0	0	0	
brasm																														
chinese wolhandkrab																														
diklipharder																														
driedoornige stekelbaars																														
forel			0.02	1.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
gevekte amerikaanse rivierkreeft																														
hybride cyprinide			0.04						0.01																					
kessters grondel																														
kleine modderkruiper																														
kolblei			0.25	0.01					0	0					0.06	0														
kopvoorn	0.42								0.65																					
marmgrondel																														
pontische stroomgrondel																														
pos	0.04	0.16	0.01		0.02	0.06	0	0.02	0.05	0.11	0.03	0.01	0.02	0	0.11	0.04	0.07	0.06	0.05	0.01			0.01	0	0.02	0.01	0.02	0	0.01	
rivierdonderpad									0.01	0.01	0.01	0.01			0.01	0	0.01	0												
riviergrondel									0.02	0.01	0.01	0.01	0	0.01	0.05	0	0	0	0	0										
rivierprik									0.02	0.01	0.01		0	0.01	0.03	0	0	0	0	0										
rooftlei			0.01	0						0.01								0.01		0.01						0	0.01	0	0	
ruisvoorn			0	0																						0	0	0	0	
serpeiling										0.01																				
sneep										0																				
snoek			0.25	0.42	2.91	0.78	1.21	2.85	0.27	0.7	1.23	4.04																		
snoekbaars	1.15	0.01	0.41	0.03	0.76	0.01	0.3	0.92	0.13	1.48	2.08	0.59	0.03		0.11		0.32	0.03	0.25	0.05	2.09	0.62	0.13	0.01	0.06	0.06	0	0		
splering			0.01																											
flendoornige stekelbaars			0																											
winde			9.79	1.13	4.43	0.09	2.06	0.73	1.73	0.4	3.41	0.02	0.51	0.1	0.71	0.07	0.11	0.33	0.96	0.82	2.16	0.43	2.29	0.07	0.45	0.04	0	0		
witvingrondel	5.27																													
zeeforel											0.34																			
zeelt			0.01												0.02															
zoetwatergarnaal																														
zwartbekgrondel																											0.01	0.03	0	

Hollands diep (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

	1998	1999	2000	2001	2002	2003		2004	2005	2006	2007		2008	2009	2010	2011	2012
soort	O	O	O	O	O	O	Z	O	O	O	O	Z	O	O	O	O	O
aal	0.7	1.81	1.06	1.09	2.4	2.33	0.87	2.23	2.22	2.51	0.72		1.65	0.55	1.68	2.25	0.24
alver	0	0	0.02	0	0	0			0	0	0		0.01	0	0	0.01	0.01
baars	1.23	1.44	0.75	1.4	0.83	1.72	0.81	2.24	3.43	3.05	1.82	0.47	2.93	0.53	1.85	0.77	0.98
barbeel	0.01		0	0.02	0.01	0		0.06	0.04	0.03	0		0.01				
bittervoorn			0		0			0	0	0			0	0			0
blankvoorn	0.49	0.44	0.46	0.42	1.95	0.61	1.4	0.56	0.96	1.31	0.7	13.2	0.09	0.05	1.06	2.41	0.15
bot	0.08	0.04	0.03	0.06	0.06	0.06	0.04	0.15	0.12	0.03	0		0.1	0.07	0.03	0.06	0
brasem	2.19	7.29	0.42	1.42	0.68	1.04	6.17	1.72	1.01	0.59	0.63	0.03	3.91	1.75	1.69	3.9	0.24
chinese wolhandkrab			0				0	0					0		0		
diklipharder								0.43									
driedoornige stekelbaars	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
dunlipharder													0.06			0.1	0.81
gevlekte Amerikaanse rivierkreeft				0	0	0	0				0		0		0		
giebel										0.01							
goudvis		0															
graskarper	0.38																
harder ongespecificeerd				0		0.76							0	0.24		0.15	
hybride cyprinide			0			0		0	0		0			0		0	
karper	3.93	10.14	4.02	4.52	3.09	1.35		2.16	1.36	0.39	2.66		1.05	0.65	0.7	1.52	0
kessler's grondel														0	0.04	0.05	0.03
kleine modderkruiper	0			0		0		0			0					0	
kolblei			0.04	0.27	0.04	0.7	0	0.19		0	0.07		0				
kopvoorn	0.21	0.19		0	0.03	0.01	0.4	0.04	0.23	0	0		0	0		0	0
marmersgrondel						0		0	0	0			0.01	0	0	0	
meerval			0														
pontische stroomgrondel																0.01	0
pos	0			0	0	0.01		0.01	0.03	0.02	0.01		0.01	0	0	0.01	
rivierdonderpad		0	0			0		0	0	0	0						
riviergrondel		0			0											0	
rivierprik								0.01									
roofblei	0.01	0.02	0.04	0.04	0.01	0.02	0.06	0.04	0.05	0.14	0.1	0.16	0.04	0	0.11	0.29	0.27
ruisvoorn	0.01	0.09	0.02	0.02	0	0.07		0	0.01	0	0.01		0		0		0
serpeling	0		0	0					0	0			0	0		0	
sneep		0	0	0		0		0		0	0				0	0.01	0.01
snoek	0.52	0.95	0.81	1	0.76	0.3	0.42	0.37	0.07	0.05	0.4		0.84	0.46	0.2	0.31	0
snoekbaars	0.39	0.48	0.2	1.18	0.63	1.41	0.06	0.82	0.78	0.76	0.76		1.78	0.58	0.31	0.21	0
steurgarnalen		0															
tiendoornige stekelbaars		0											0				
vetje			0														
winde	1.44	2.21	2.13	3.91	2.63	2.27	1.07	3.28	3.51	3.75	4.25	0.76	4.93	3.22	3.72	3.83	0.77
zeebaars				0				0									0
zeelt								0									
zoetwatergarnaal														0			
zwartbekgrondel													0	0.01	0.66	1.32	0.71

Nieuwe Merwede (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

	1998	1999	2000	2001	2002	2003	2004		2005	2006	2007	2008	2009	2010		2011	2012
soort	O	O	O	O	O	O	Z	O	O	O	O	O	O	O	Z	O	O
aal	0.57	0.57	0.31	1.03	3.79	2.85	0.19	0.37	5.11	1.34	2.67	0.1	0.49	1.06	1.43	0.22	0.14
alver	0.09	0.03	0.01	0.1	0	0.03			0	0.01	0.1	0.01	0.01	0		0.03	0.02
baars	0.55	0.67	0.42	0.79	1.66	7.51	0.17	8.58	4.09	2.33	1.98	0.35	0.43	0.22	1.75	0.98	1.2
barbeel				0					0.12	0.02	0.01						
bittervoorn					0							0	0				
blankvoorn	1.12	0.58	1.26	0.98	2.87	1.11	0.11	0.45	4.57	1.34	1.34	0.06	0.21	0.77	1.19	0.14	0.19
bot	0.1			0.04	0.02	0.12	0.01	0.13	0.31	0.02	0.03	0.01	0.06	0.02		0.01	
brasem	0.01	0.01	2.03	1.75	0.22	0.01		0	0.01	1.81	0	0.05	0.48	0.74	0.18	0.02	
driedoornige stekelbaars	0	0		0	0	0			0	0	0					0	0
gevlekte Amerikaanse rivierkreeft			0			0			0								
goudvis	0																
hybride cyprinide		0		0.06									0				
karper	3.6		0.12	1.55			0.05	3.78	3.48				1.44			0.01	
kesslers grondel													0.07	0.42	0.57	0.11	0.02
kleine modderkruiper							0.01						0	0			
kolblei				1.35	0.21							0	0.01				0
kopvoorn	0.38	0	0.02	0.55	0.16	0.03		0.81	0.62	0.59	0.05	0.72	0.2	1.07		1.14	0
marm grondel									0.01	0.01	0.02	0	0.01	0.01	0.04	0	0
pontische stroomgrondel														0		0	0
pos	0.01	0	0.02	0.02	0.22	0.06		0.02	0.05	0.04	0.01	0.01	0.01	0.01		0.02	0
prikken													0				
rivierdonderpad	0	0	0					0	0	0							
riviergrondel	0		0	0													
rivierprik					0												
roofblei	0.03	0.03	0.02	0.07	0.02	0.1		0.08	0.02	0.11	0.23	0		0.03	0.09	0.04	0.05
ruisvoorn	0.28		0.21	0.01	0.04	0.41		0.66	0.05	0.11	0.01	0	0.08	0.01	0.22		
serpeling	0.01	0	0		0	0.02							0				
sneep		0				0.02			0		0		0	0		0	0.01
snoek	0.43	2.85	6.47	0.53	1.93	1.83		0.42	0.67	0.58	2.67	0.57	1.72	0.44	1.88	0.64	0.18
snoekbaars	0.01	0.27	0.34	0.62	0.22	0.55		0.07	0.18	0.73	0.29		0.08	0		0.02	0.02
tiendoornige stekelbaars		0															
winde	2.83	2.32	2.06	3.08	4.88	3.17	0.01	1.5	2.93	1.72	3.09	0.63	2.5	1.61	1.17	2.04	0.42
zeelt	0.06		0.19	0.41	0	1.05	0.3	0.34	0.4	0.17	0.84	0.25	0.04			0.4	0.02
zwartbekgrondel														0.07		0.15	0.17

Oude Maas (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012				
soort	O	O	O	O	O	Z	O	O	O	O	O	O	Z	O	Z				
aal	0.81	0.05	0.58	0.73	0.95	0.45	5.31	4.12	0.29	2.1		0	1.51	0.1	0.5	0.06	0.37	0.92	
alver	0	0	0.02	0.06	0	0.1	0		0.33	0.02	0.01			0	0	0.01	0.02		
baars	0.86	0.79	0.01	0.08	0.72	0.04	1.62	0.47	0.8	2.07	0.11	0.05	0.02	0.9	0	0.14	0.01	0.98	
barbeel	0				0									0					
bittervoorn																0			
blankvoorn	0.7	0.12	0.05	0.24	0.86	0.11	0.06	0.19	0.86	1.63	0	0.01	0.17	0.3	0.1	0.74	0.02	0.04	
bot	0.02	0	0.02	0.15	0.1	0	0.03	0.13		0.01		0	0	0	0	0.01	0.01	0.17	
brasem	1.12	4.52	8.19	4.76	3.48	14.2	6.86	0.58	0.46	3.37	4.64	0.98	0.83	0.72	0.6	0.03	0	2.24	
driedoornige stekelbaars		0		0							0			0	0			0	
dunlipharder												0.62	0.74						
hybride cyprinide				0.06															
karper	4.72	7.7	9.87															1.47	
kesslers grondel														0			0.02	0.01	
kleine modderkruiper					0														
kolblei		0.69		0.01		0.06	1.39				0.01		0.01	0				0	
kopvoorn							0.02					0.06							
pontische stroomgrondel															0		0		
pos			0	0.01	0		0.01	0.08	0.02	0.01		0					0	0.01	
rivierdonderpad	0			0					0.01										
riviergrondel																0		0.01	
rivierprik			0																
roofblei		0.01		0.04		0	0		0.06	0.04				0	0	0.02	0.08	0.15	
ruisvoorn				0.01		0.01		0.02				0		0		0		0.14	
serpeling				0															
sneep						0.01						0				0			
snoek	0.17	3.16	0.22	0.76		0.2				5.94	0.15					1.8		1.52	
snoekbaars	0.01	0.47	0	2.12	0.12		0.12	1.08	0.99	3.03								1.17	
tiendoornige stekelbaars																		0	
vetje												0							
winde	1.59	1.44	6.41	2.91	4.19	8.79	6.21	7.62	0.75	16.66	4.6	4.15	4.46	1.15	1.8	2.6	6.23	0.58	2.23
zeebaars				0					0	0									
zeelt		0.7										0.53							
zwartbekgrondel												0.05	0.37	0.1	0	0	0.14	0.5	

Rijn (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

soort	1997		1998		1999		2000		2001		2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012	
	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z	O	Z		
aal	1.5	1.5	0.23	1.2	0.21	0.34	0.56	0.16	0.04	0.01	0.4	2	0.7	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
alver	0.11	0.04	0.18	0	0	0.04	0.05	0.04	0.04	0	0.1	0.2	0.1	0.03	0.14	0	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
baars	0.01	0.04	0.01	0.3		0.04	0.52		0.1	0.2	0.1	0.03	0.07																			
barbeel						0.02																										
bittervoorn	0.51	0.05	0.39	0.1	0.16	0.08	0.04	0.13	0.18	1.61	0.2	0.21	0.62	0.3	0.16	1.08	0.6	1.28	0.9	0.07	0.04	0.06	0.01	0.13	0.04	0.19	0.08	0.03				
bot	0.05	0.09	0.04	0.04					0.18	0.68	0.5	1.1	0.97	0	1.28	0.01	0.5	0.25	6.76	1.89	1.41	0.69	0.48	0	0	0	0	0.35				
brasem	0.88	0.22	0.88	0.22	5.52	1.87	0.35	1.51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
driedoornige stekelbaars																																
dwergmeervallen																																
forel									0.18																							
gevekte amerikaanse rivierkreeft	0																															
hybride cyprinide									0.01	0	0																					
kesslers grondel																																
kleine modderkruiper																																
kolblei	0.7	0.02	0.38	0		0.03	0	0.01	0.01	0.01	0.01	0.01	0.01	0.1	0.01	0	0.4															
kopvoorn																																
marmergrondel																																
pontische stroomgrondel																																
pos	0.01	0.01	0.01	0	0.11	0.07		0.01	0.01	0	0.01	0	0.08	0.01	0.1	0																
riverdonderpad																																
rivergrondel	0.09		0																													
riverprik																																
rooftlei	0.09		0.11	0	0	0.01	0.01	0	0.01	0.03	0	0.01	0.03	0	0.01	0.02	0															
ruisvoorn																																
serpelling	0.01					0.02	0.02	0.04	0	0.01			0.01																			
sneep	1.27					0.72		0.02	0.02		0	4.94	1.3																			
snoek	0.21	1.02	0.42	22	3.05	3.74	13	1.96	0.05	6.9	0.6	0.72	0.9	0.76																		
snoekbaars									0.02	0.02	0.02	0.02	0.02	0.84	0.02	2.7	0.01															
vetje									0	0.02	0.9	0.13	0.2	0.84	0.02	2.7	0.01															
winde	0.01	0.48	0.17			1.06	0.65	1.69	0.04	0	0.02	0.9	0.13	0.84	0.02	2.7	0.01															
zeelt																																
zwartbekgrondel																																

O=oever van het water bemonsterd

Twentekanaal (elektroschepnet, kg per 10km transect)

	2009
soort	0
alver	0.02
baars	0
blankvoorn	0.16
roofblei	0.01
ruisvoorn	0.21
snoek	0.04
winde	0.29

Volkerak (elektroschepnet, kg per 10km transect)

	2008	2011
soort	0	0
aal	1.58	11.06
baars	0.01	0.42
blankvoorn		0.17
bot	0.01	0
brakwatergrondel		0
brasem		0.73
driedoornige stekelbaars	0	0
gevlekte Amerikaanse rivierkreeft	0	0
giebel	0.32	0
harder ongespecificeerd	0.35	
karper		0.56
kleine modderkruiper		0
marm grondel		0
rivierdonderpad	0	0
roofblei		0
ruisvoorn		0
snoek	0.17	
snoekbaars		0
winde		1.35
zwartbekgrondel	0.01	0.1

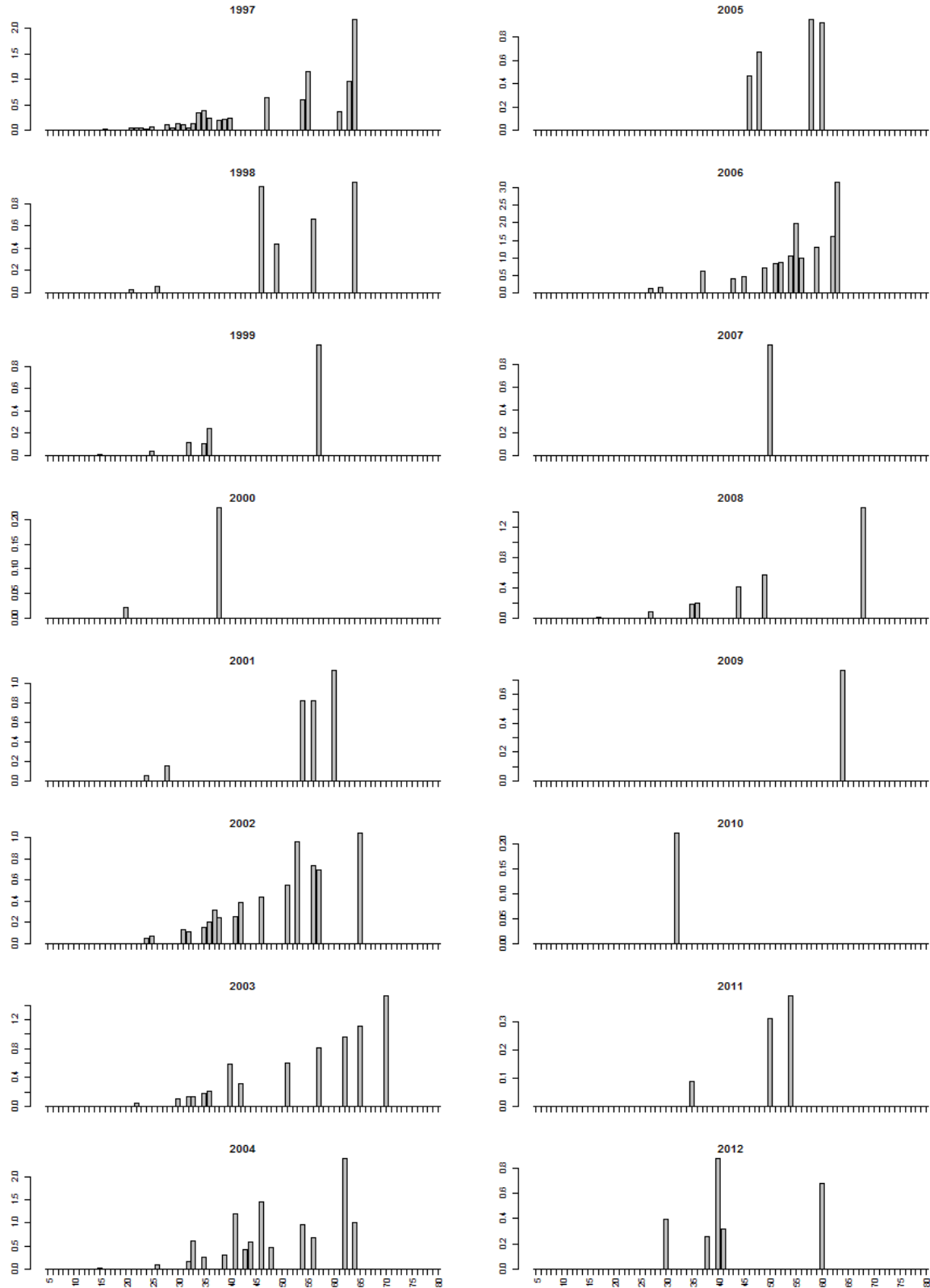
Zandmaas (elektroschepnet, kg per 10km transect)

O=oever van de rivier bemonsterd, Z=zijwater bemonsterd

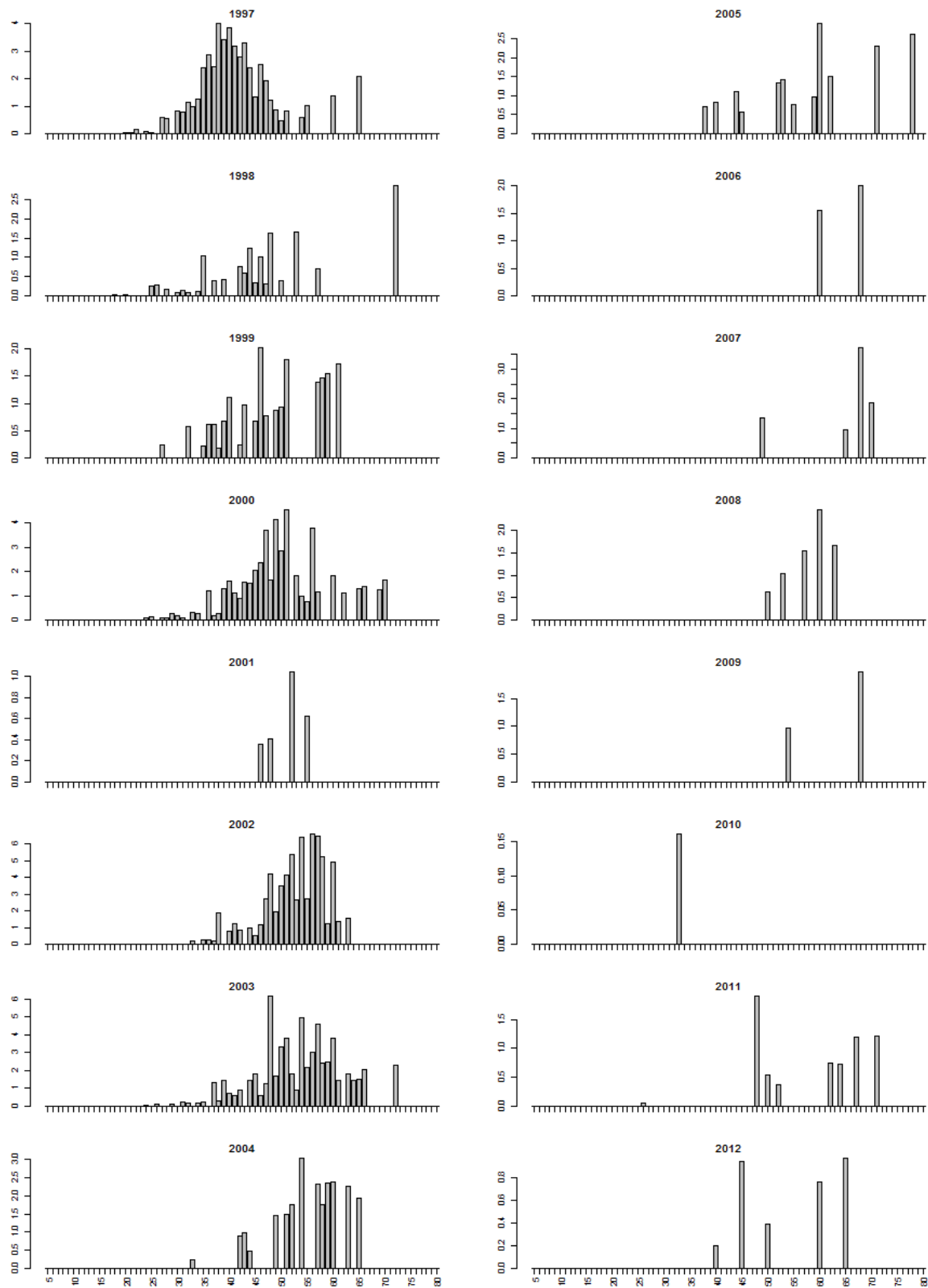
soort	2008		2009		2010		2011		2012	
	O	Z	O	Z	O	Z	O	Z	O	Z
aal	0.62	4.03	0.91	3.3	1.21	2.18	1.77	3.21	0.53	0.68
alver	0	0			0			0.01		0
baars	0.03	0.1	0.07	0.24	0.11	0.25	0.14	0.08	0.03	0.58
barbeel							0.02	0.01		
bermpje	0.01		0.02	0.03	0.03	0.06	0.04	0.08	0.04	0.01
bittervoorn	0	0		0		0	0	0.01	0	0
blankvoorn	0.52	0.12	0.11	0.06	0.07	0.33	0.14	0.42	0.08	0.31
blauwband	0		0	0	0	0	0	0	0	0
brasem	0	1.21	0	0		0	0.14	1.58	0.09	3.92
bruine kikker							0			
driedoornige stekelbaars	0		0	0	0	0		0	0	0.01
gevlekte Amerikaanse rivierkreeft	0		0	0	0	0	0	0		
gewone pad		0								
hybride cyprinide	0			0		0		0		
kesslers grondel							0.01	0.01	0.05	0.03
kleine modderkruiper				0		0		0.01		0
kolblei						0		0.02		
kopvoorn	0.1		0.02	0	0.02	0.02	0.01	0.01	0.02	0
marm grondel			0	0	0	0	0.01	0.03	0.03	0.04
meerval						0	0	0.02		
pos	0.05		0.02	0.04	0.03	0.01	0.03	0.03	0	0.01
prikken				0						0
rivierdonderpad	0		0.01	0.01	0.01	0	0.02	0.01	0.01	0
riviergrondel							0	0		0
rivierprik								0		
roofblei						0		0.02		0.01
ruisvoorn	0	0.06	0	0		0		0		0
serpeling	0		0	0			0			
sneep	0				0	0	0	0		
snoek	0.39	4.64	0.91	2.76	0	0.35		0.01	1.41	1.03
snoekbaars	0.81	1.05	0.76	0.24		0.23	0.18	0.34		1.31
tiendoornige stekelbaars										0
vetje						0				
winde	0.74		0.27	0.02	0.21	0.06	0.78	0.44	0.02	0.18
witvingrondel	0						0	0		
zalm	0.01		0							
zeelt	0.09	0.2	0	0.16	0	0.36	0.03	0.1	0	0.2
zoetwatergarnaal				0						
zonnebaars							0			
zwartbekgrondel							0.01		0.13	0.08

Figuur VII.1 Aal lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

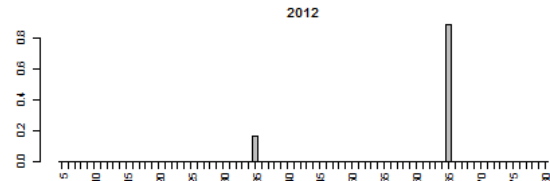
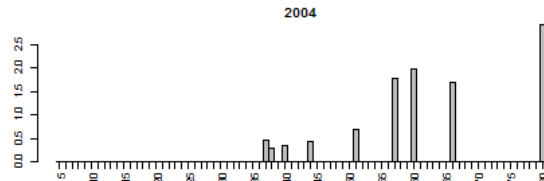
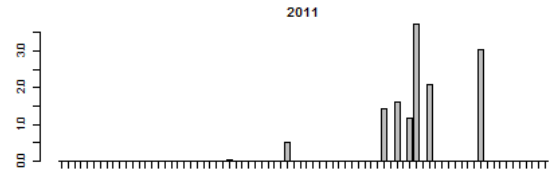
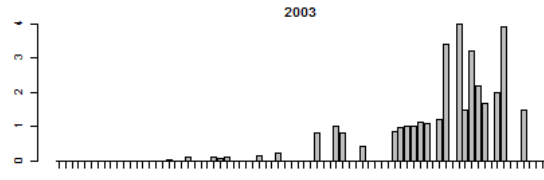
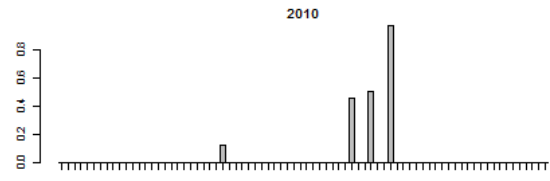
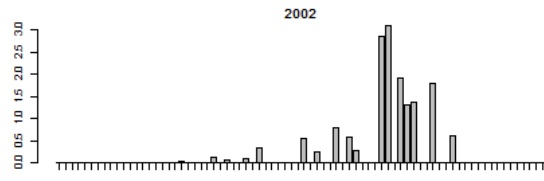
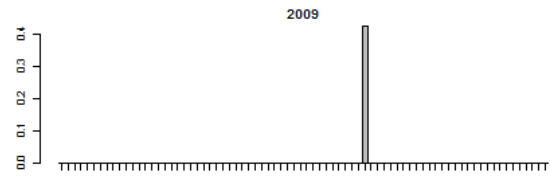
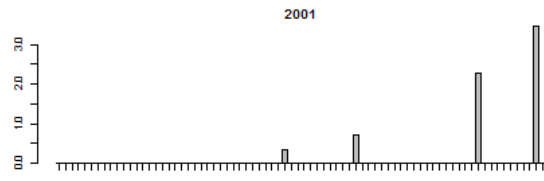
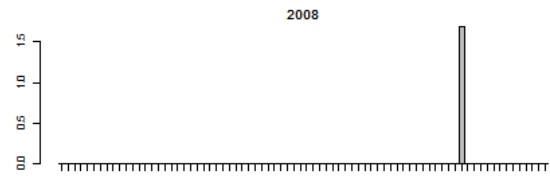
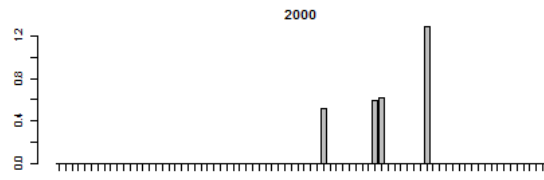
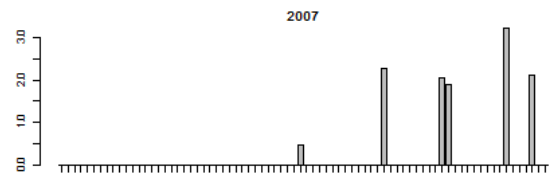
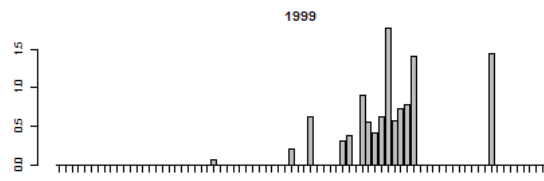
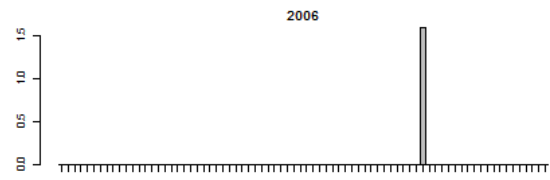
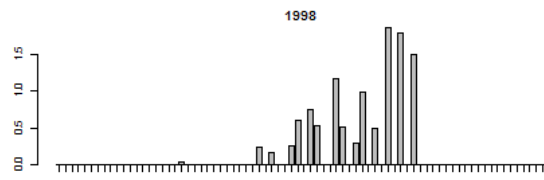
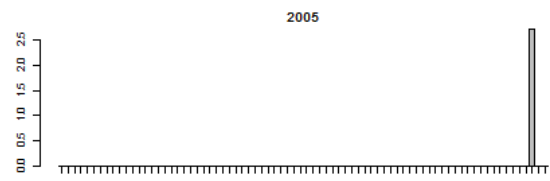
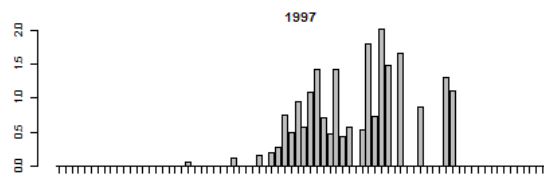
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



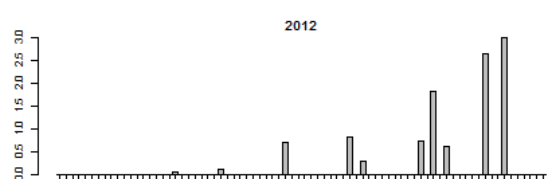
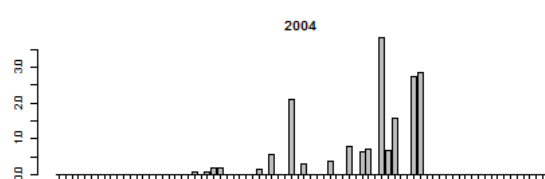
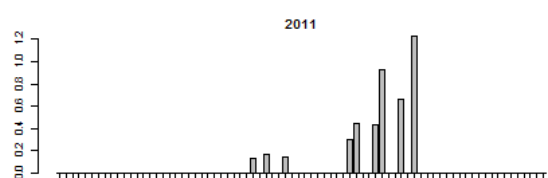
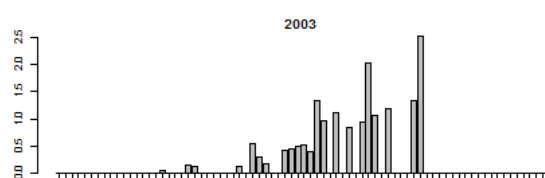
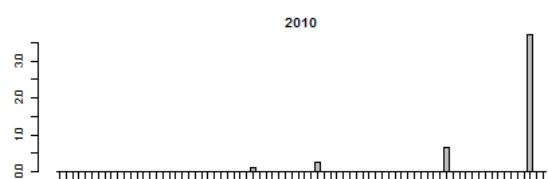
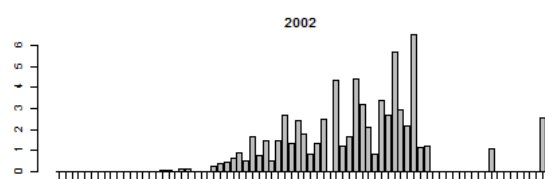
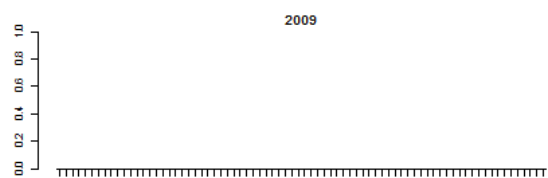
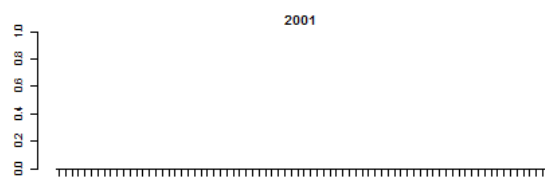
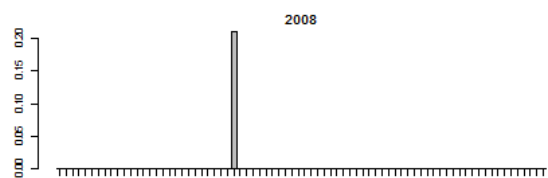
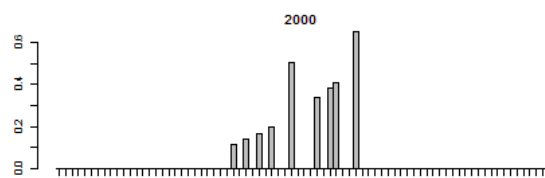
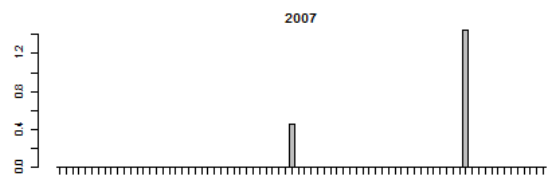
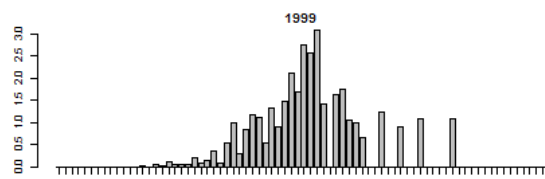
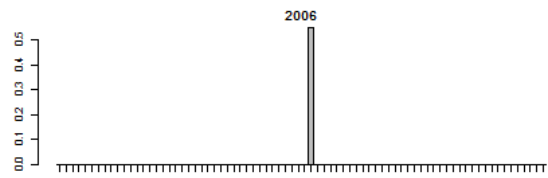
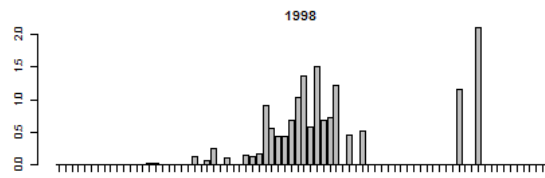
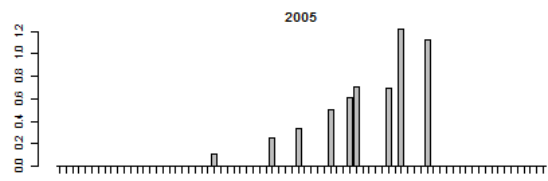
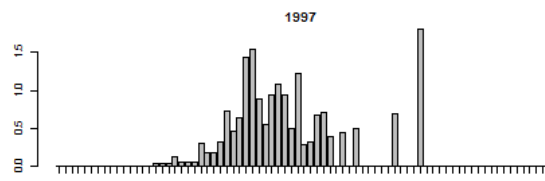
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



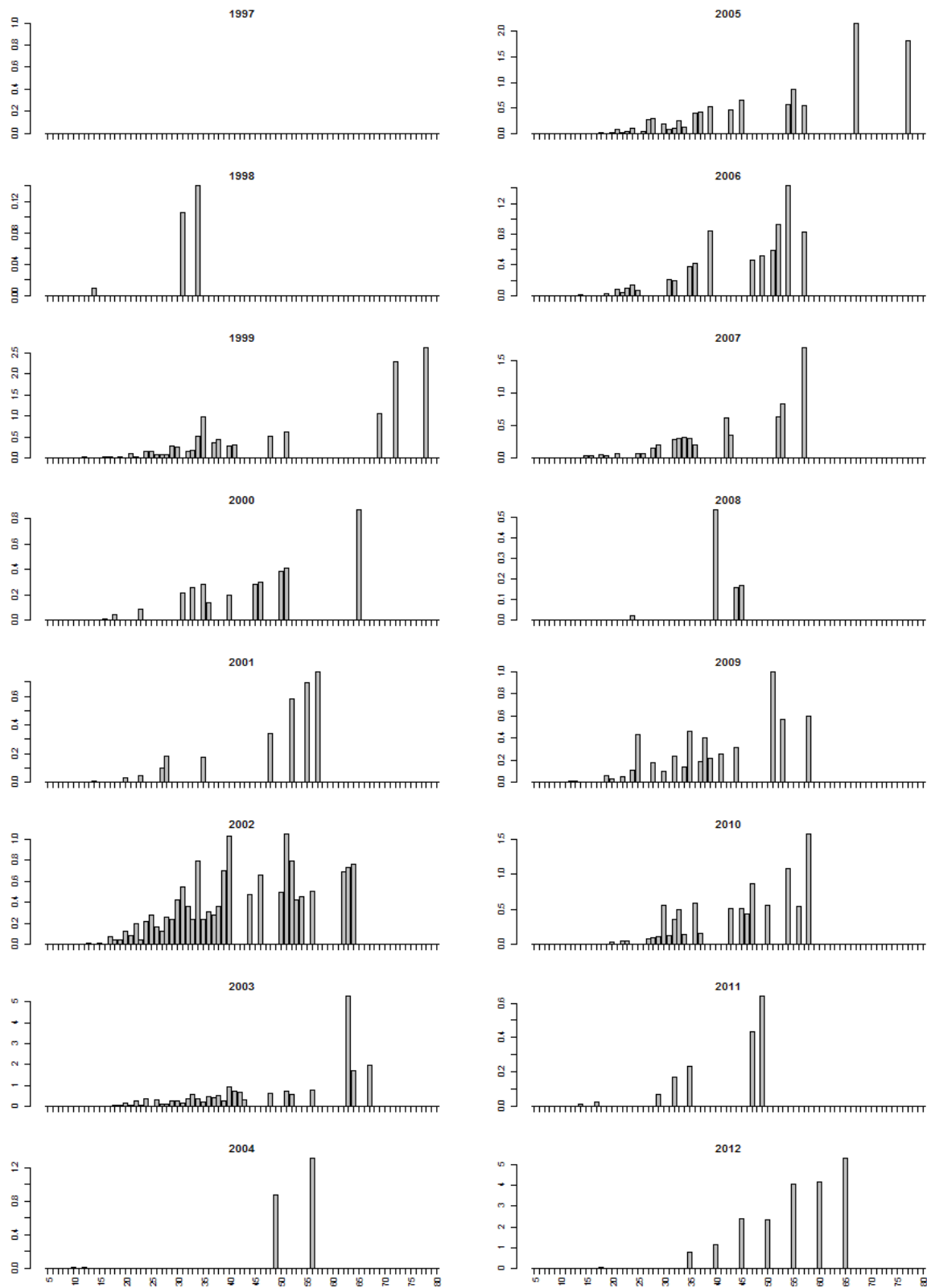
Bovenloop Nederrijn (bemonstering vanaf 1997)



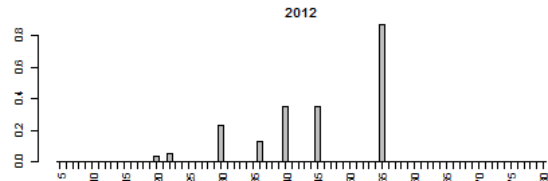
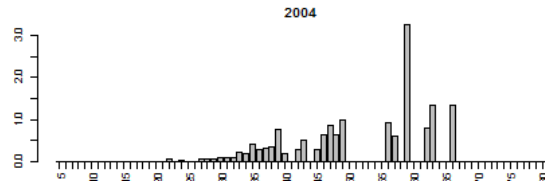
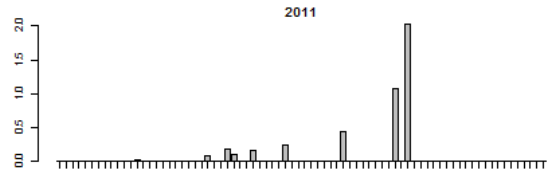
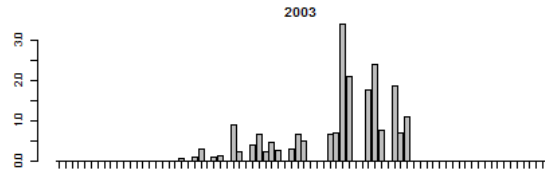
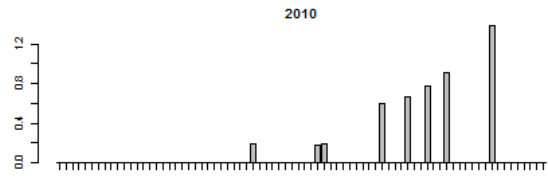
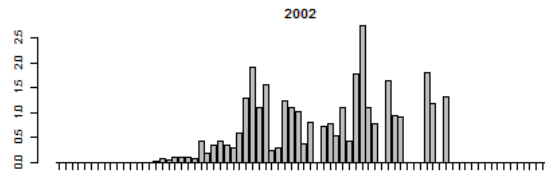
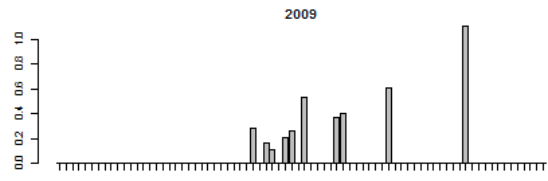
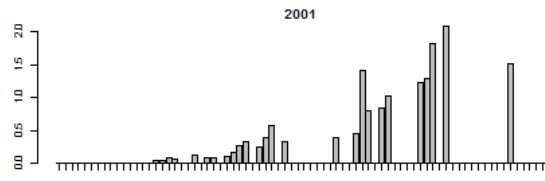
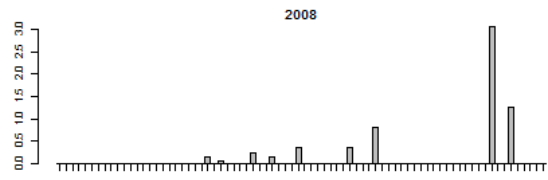
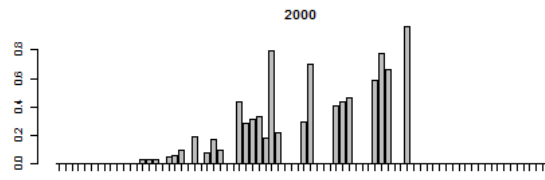
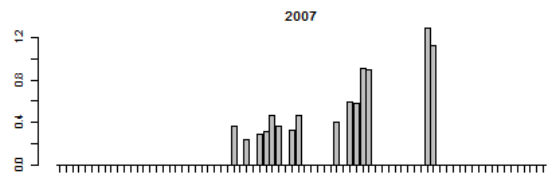
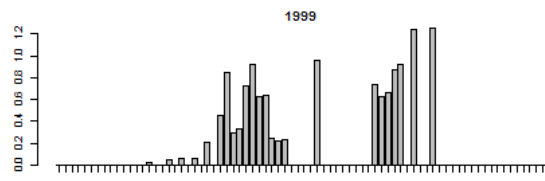
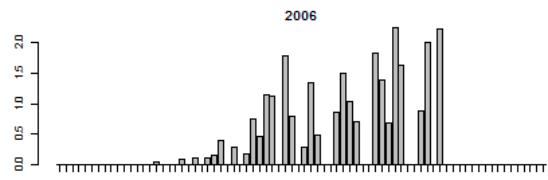
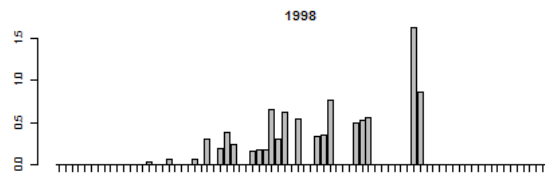
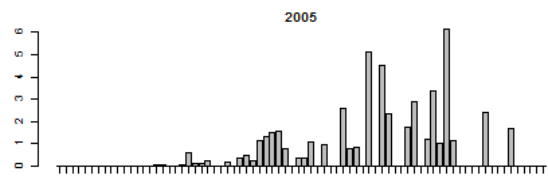
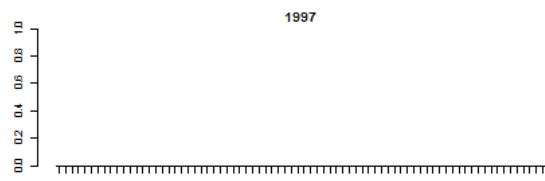
Bovenloop Waal (bemonstering vanaf 1997)



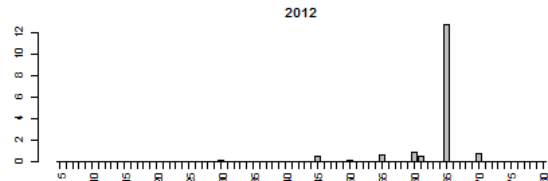
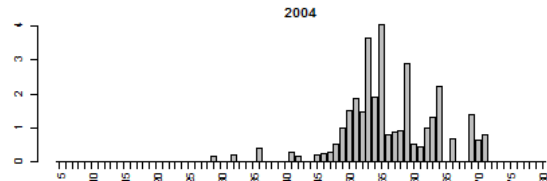
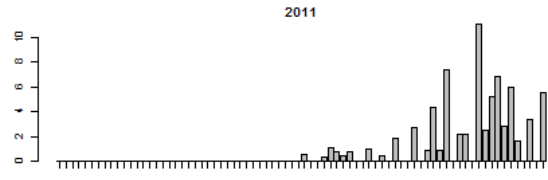
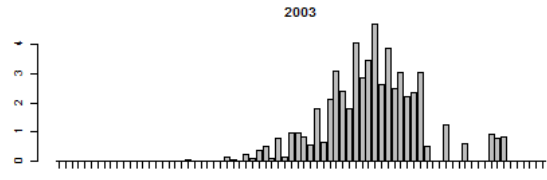
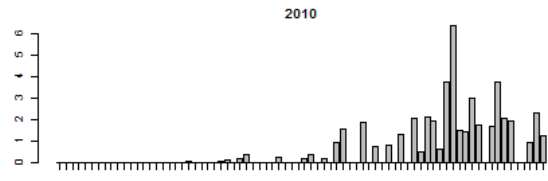
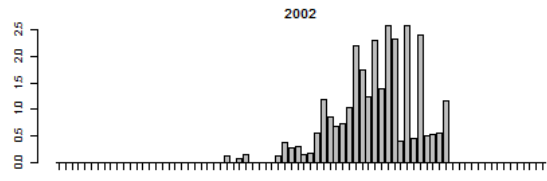
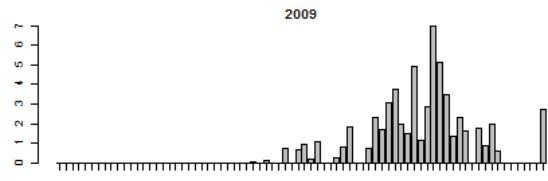
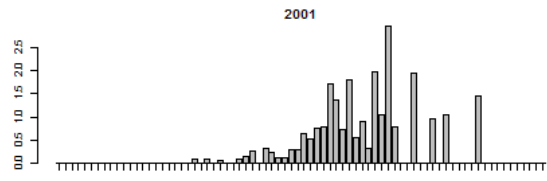
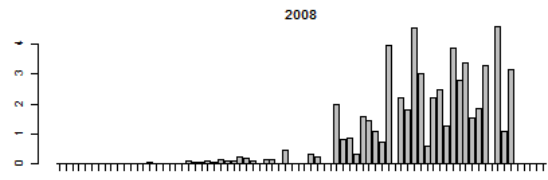
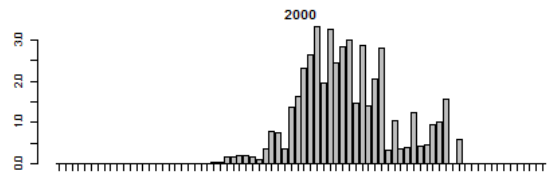
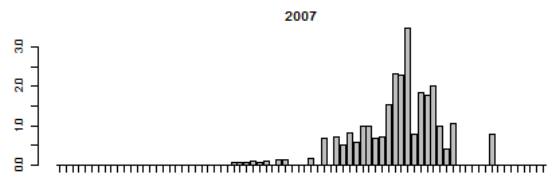
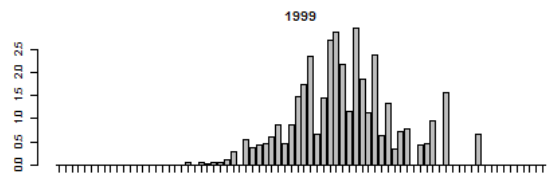
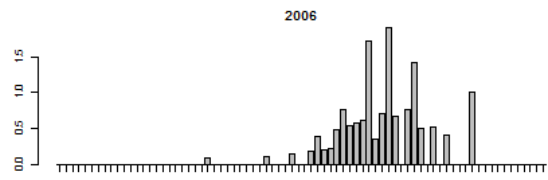
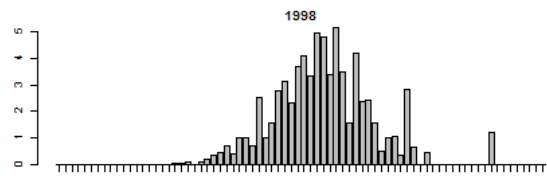
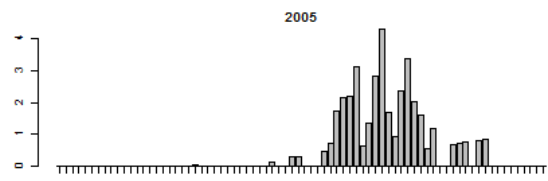
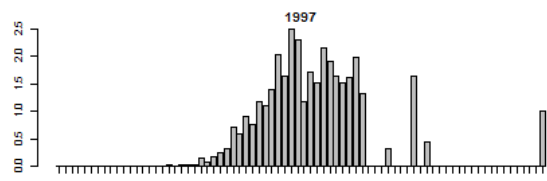
Getijden Lek (bemonstering vanaf 1998)



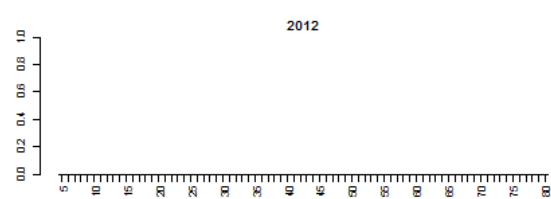
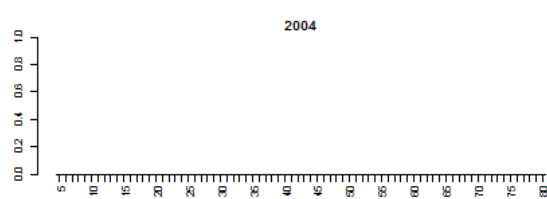
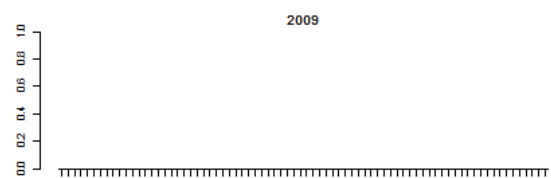
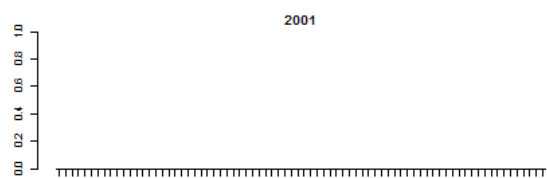
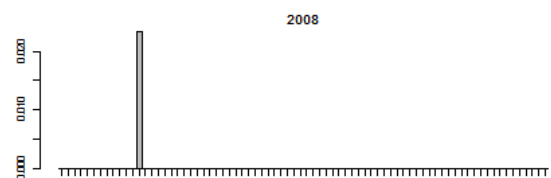
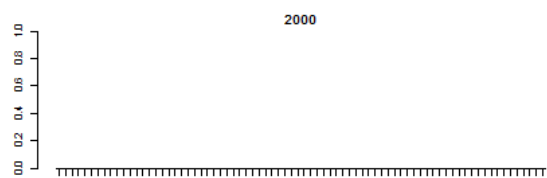
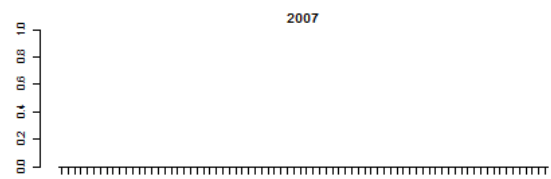
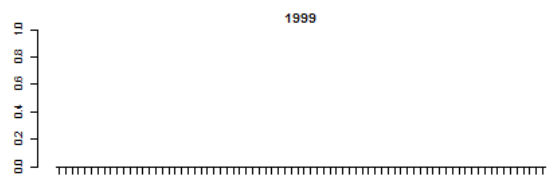
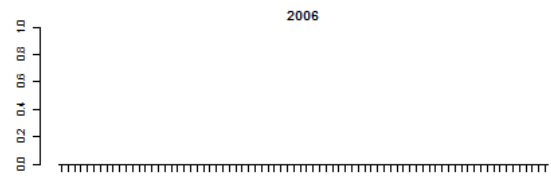
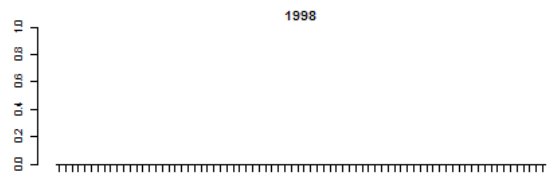
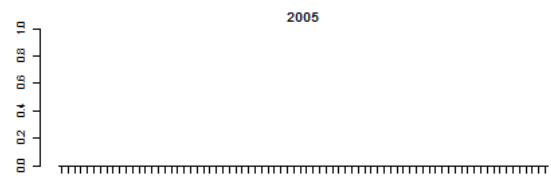
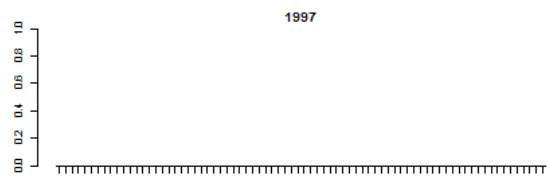
Getijden Maas (bemonstering vanaf 1998)



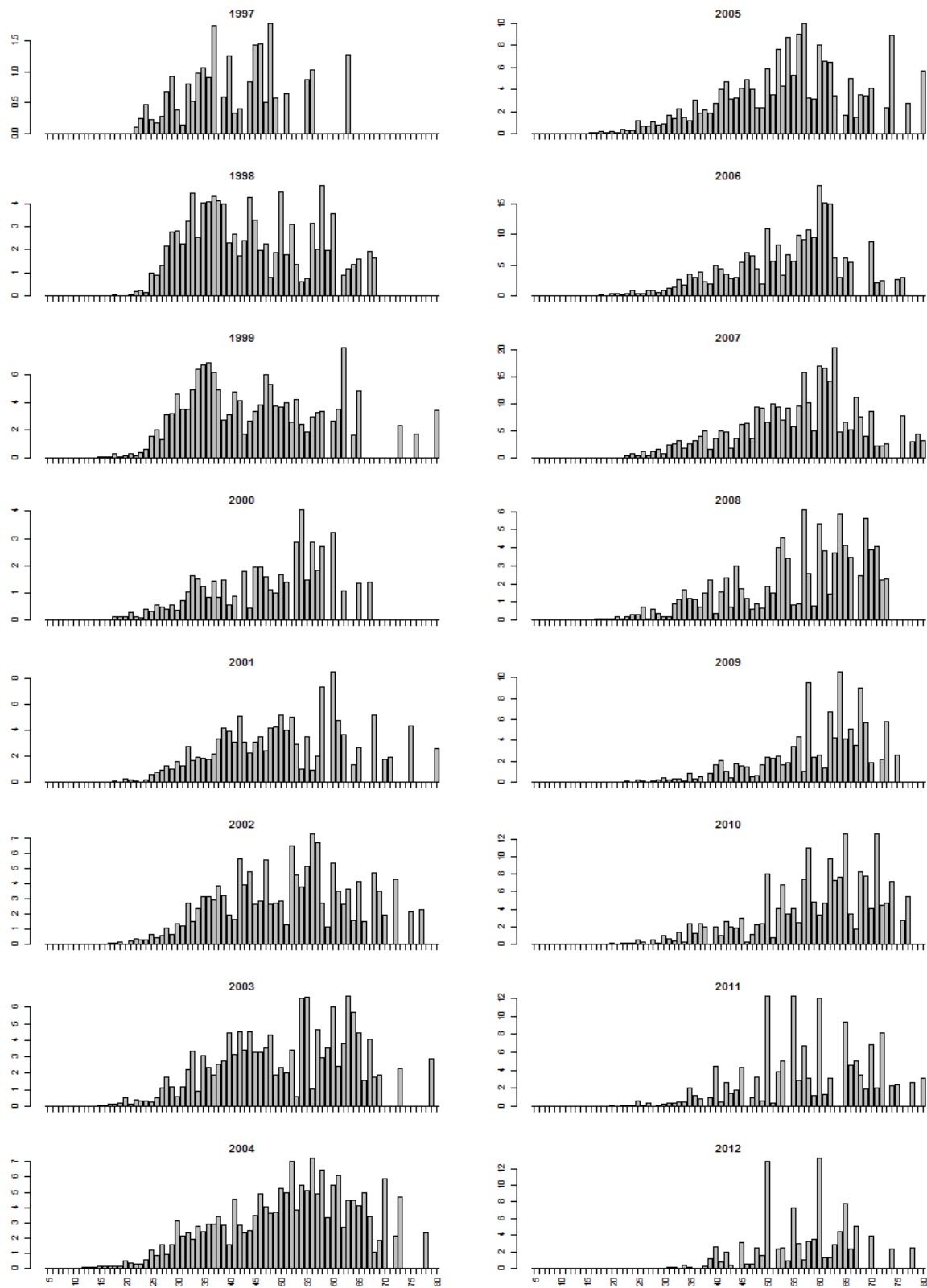
Grensmaas (bemonstering vanaf 1997)



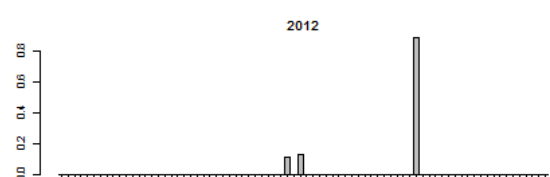
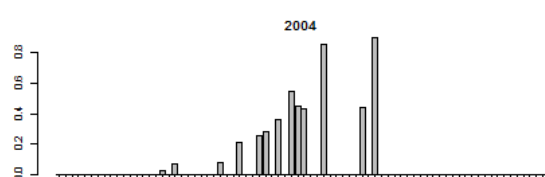
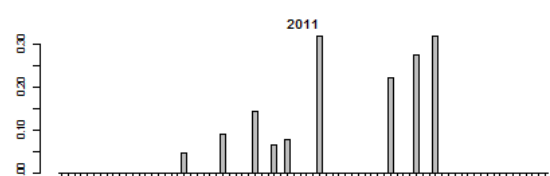
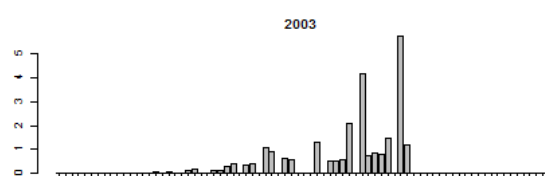
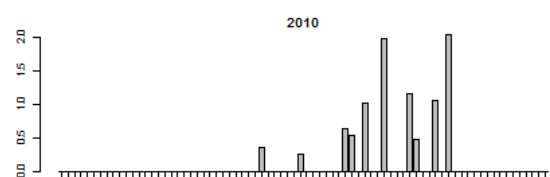
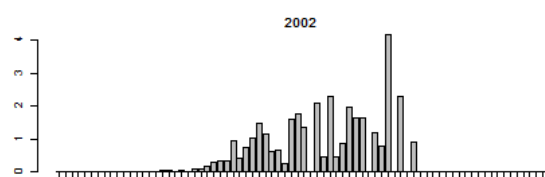
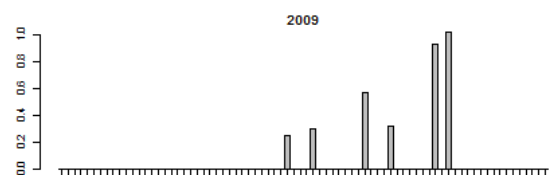
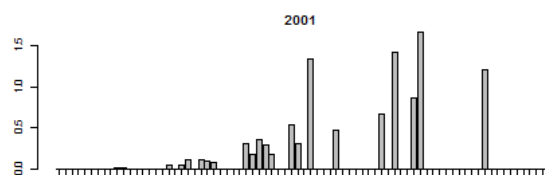
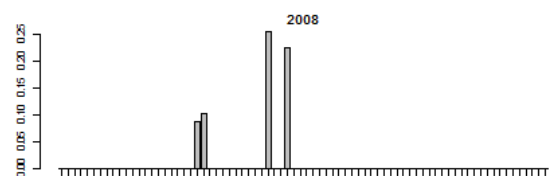
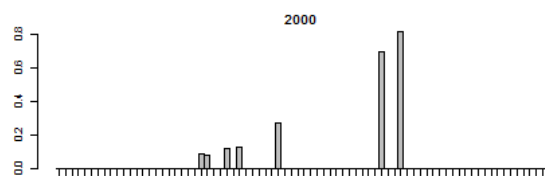
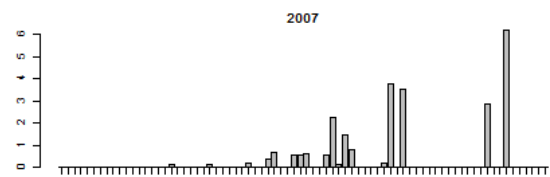
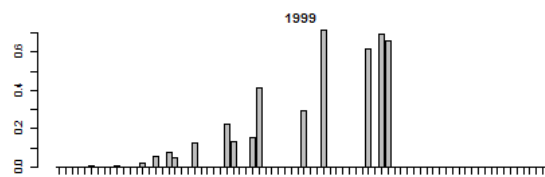
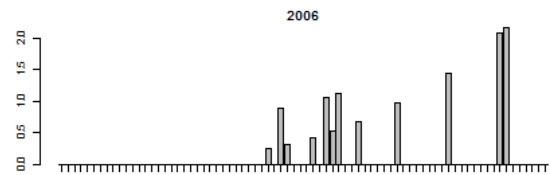
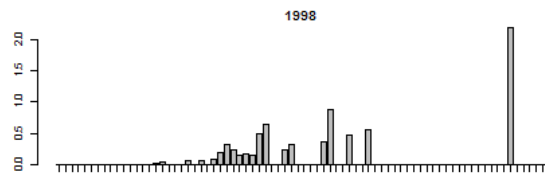
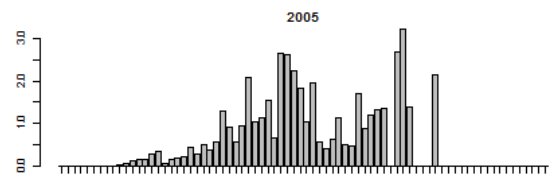
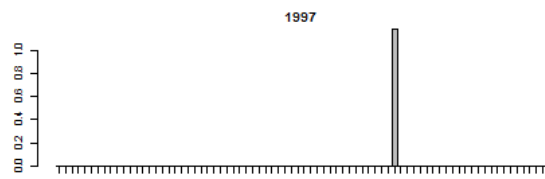
Grevelingen (alleen bemonsterd in 2008 en 2011)



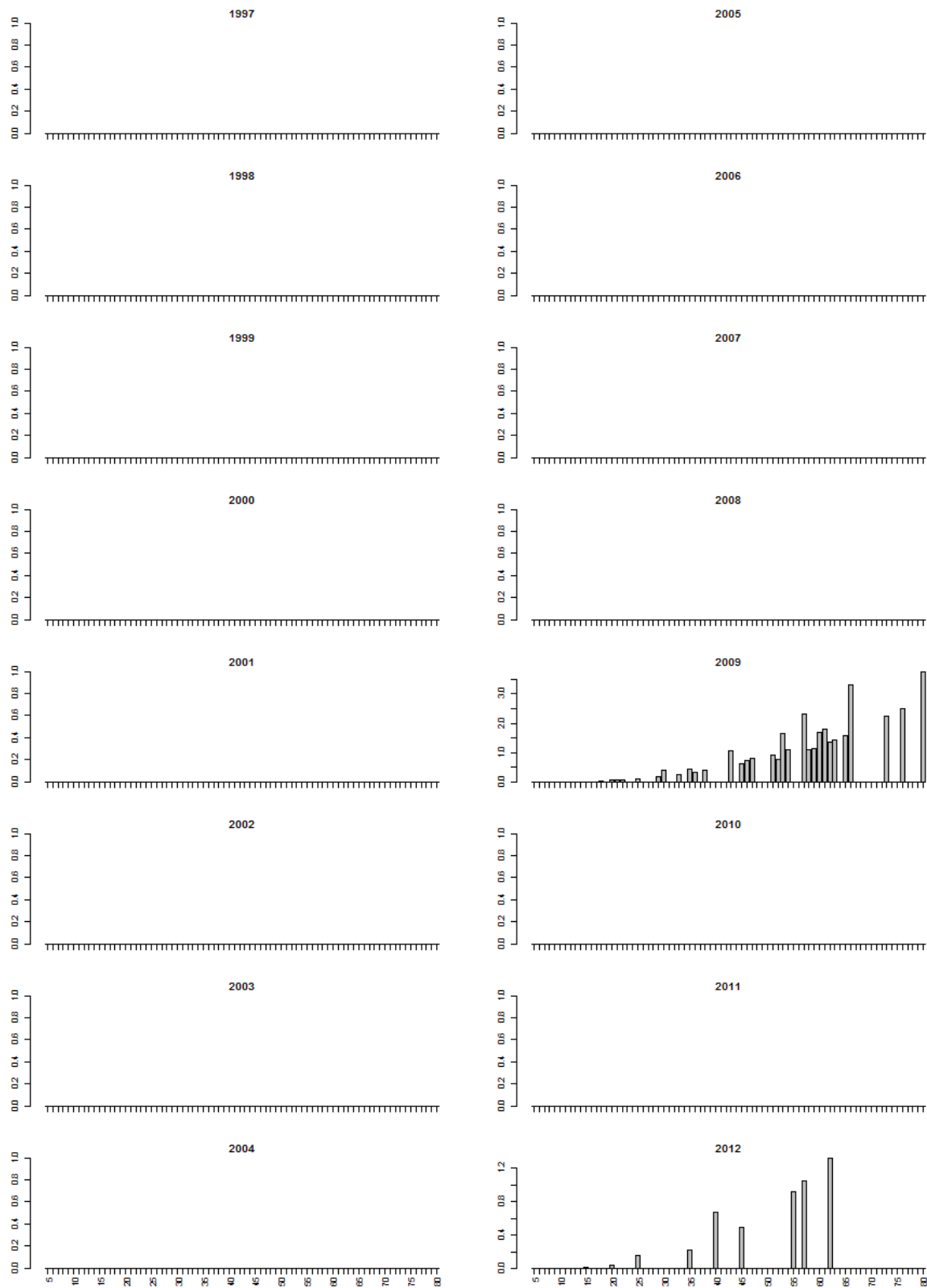
Hollands diep (bemonstering vanaf 1997)



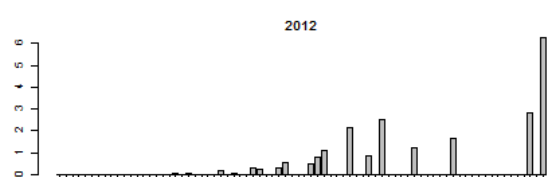
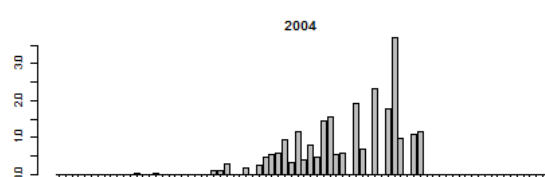
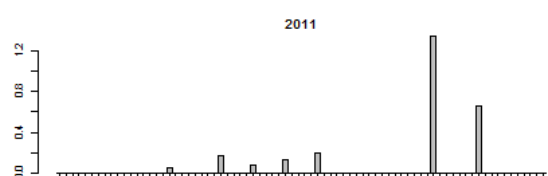
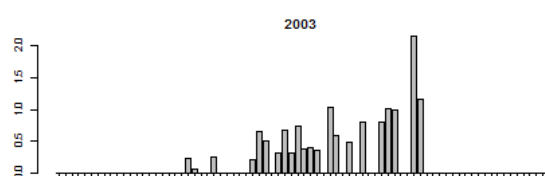
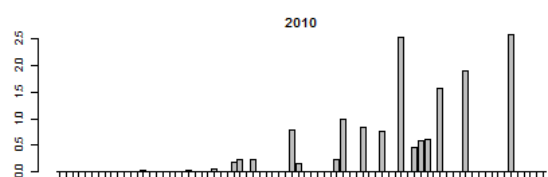
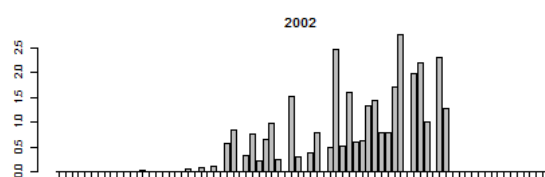
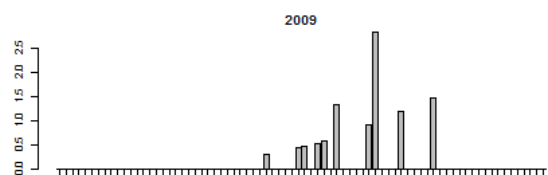
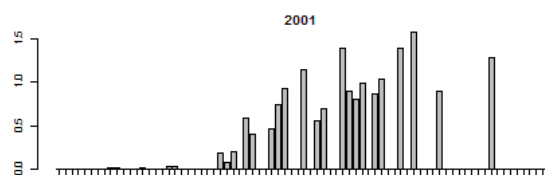
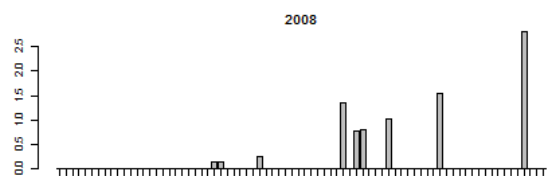
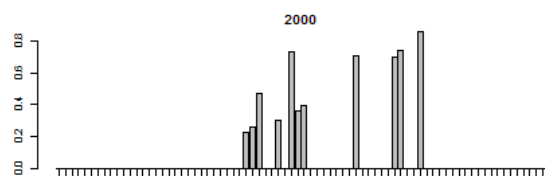
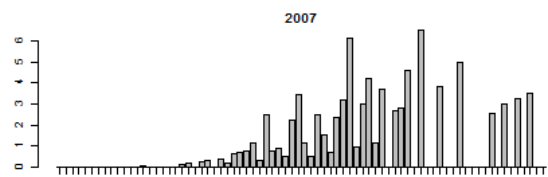
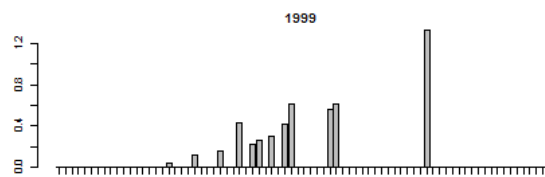
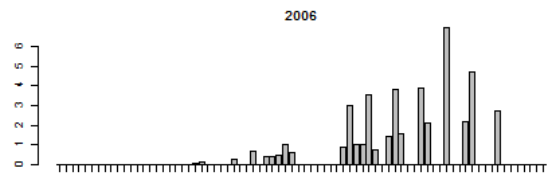
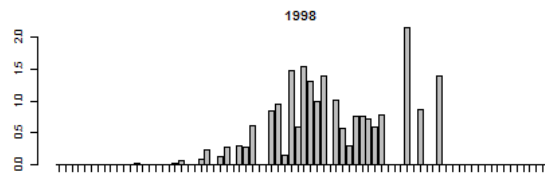
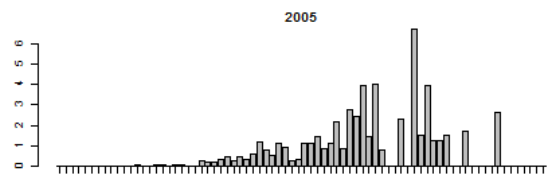
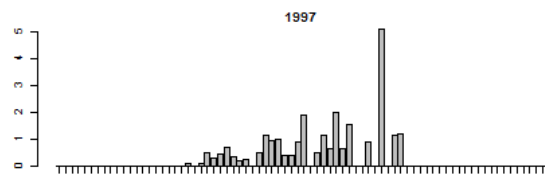
Nieuwe Merwede (bemonstering vanaf 1997)



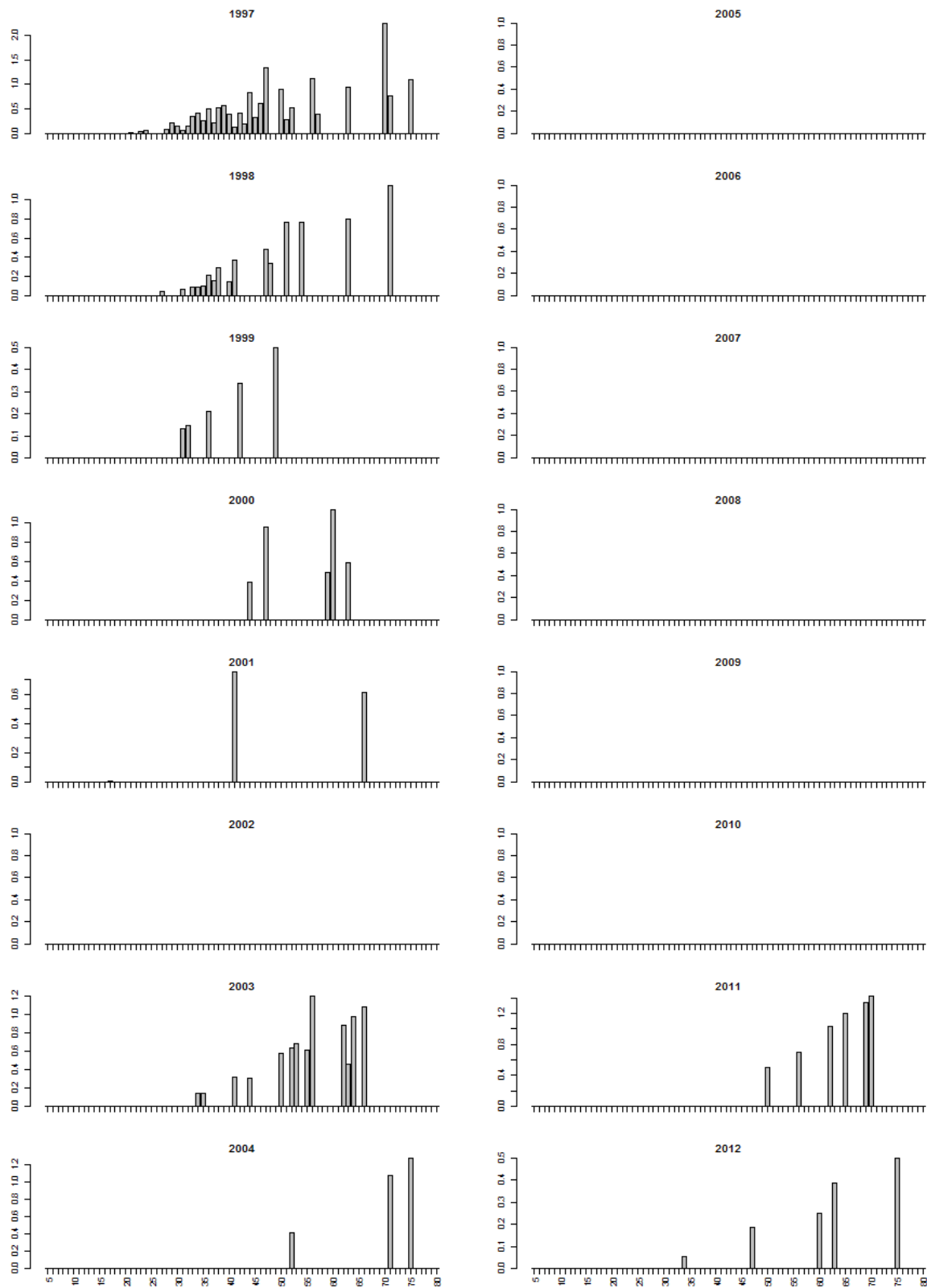
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



Oude Maas (bemonstering vanaf 1997)



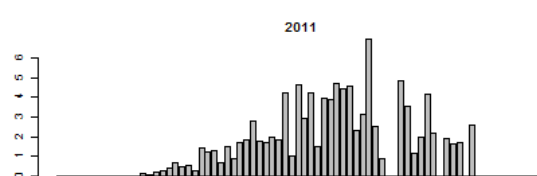
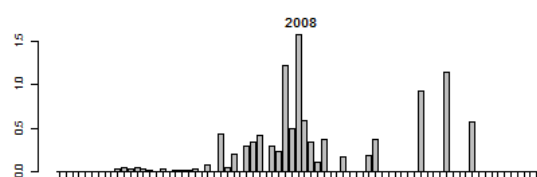
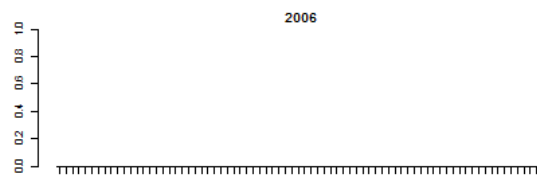
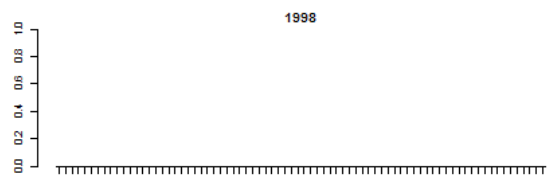
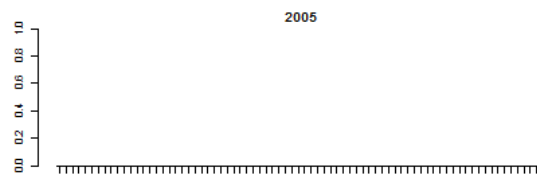
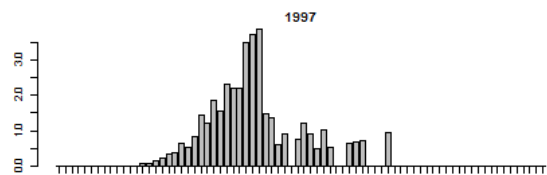
Rijn (bemonstering vanaf 1997)



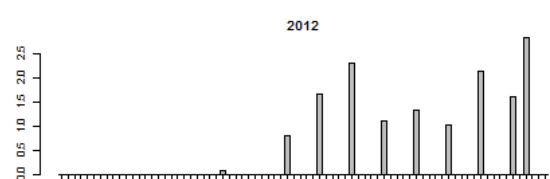
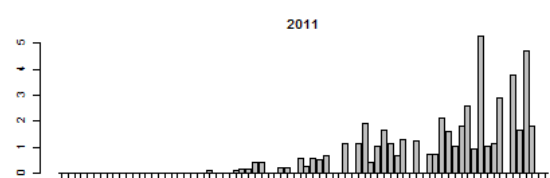
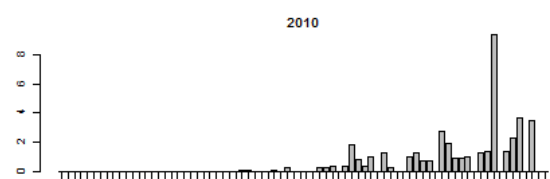
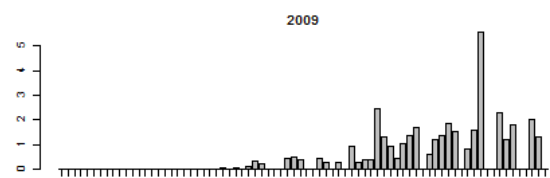
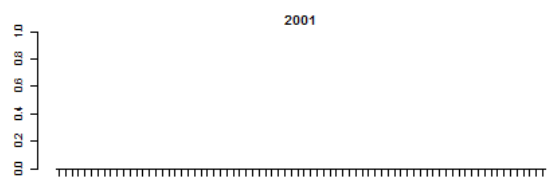
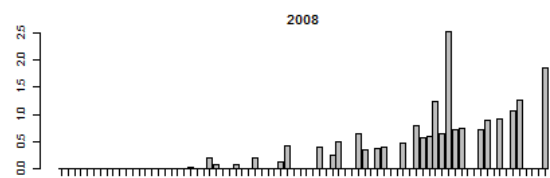
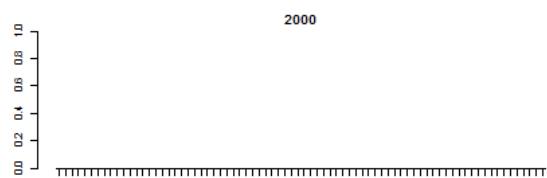
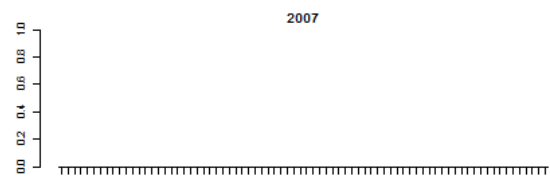
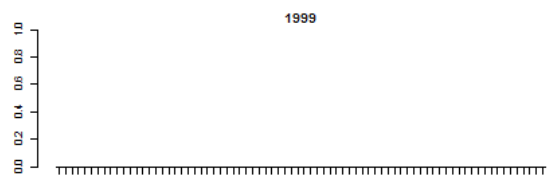
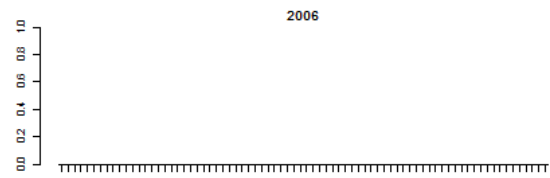
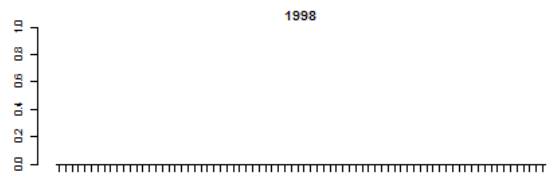
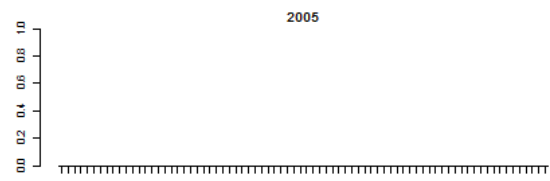
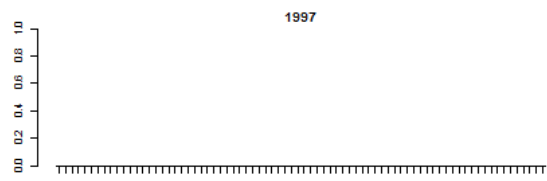
Twentekanaal (alleen bemonsterd in 2009)

Geen aal gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

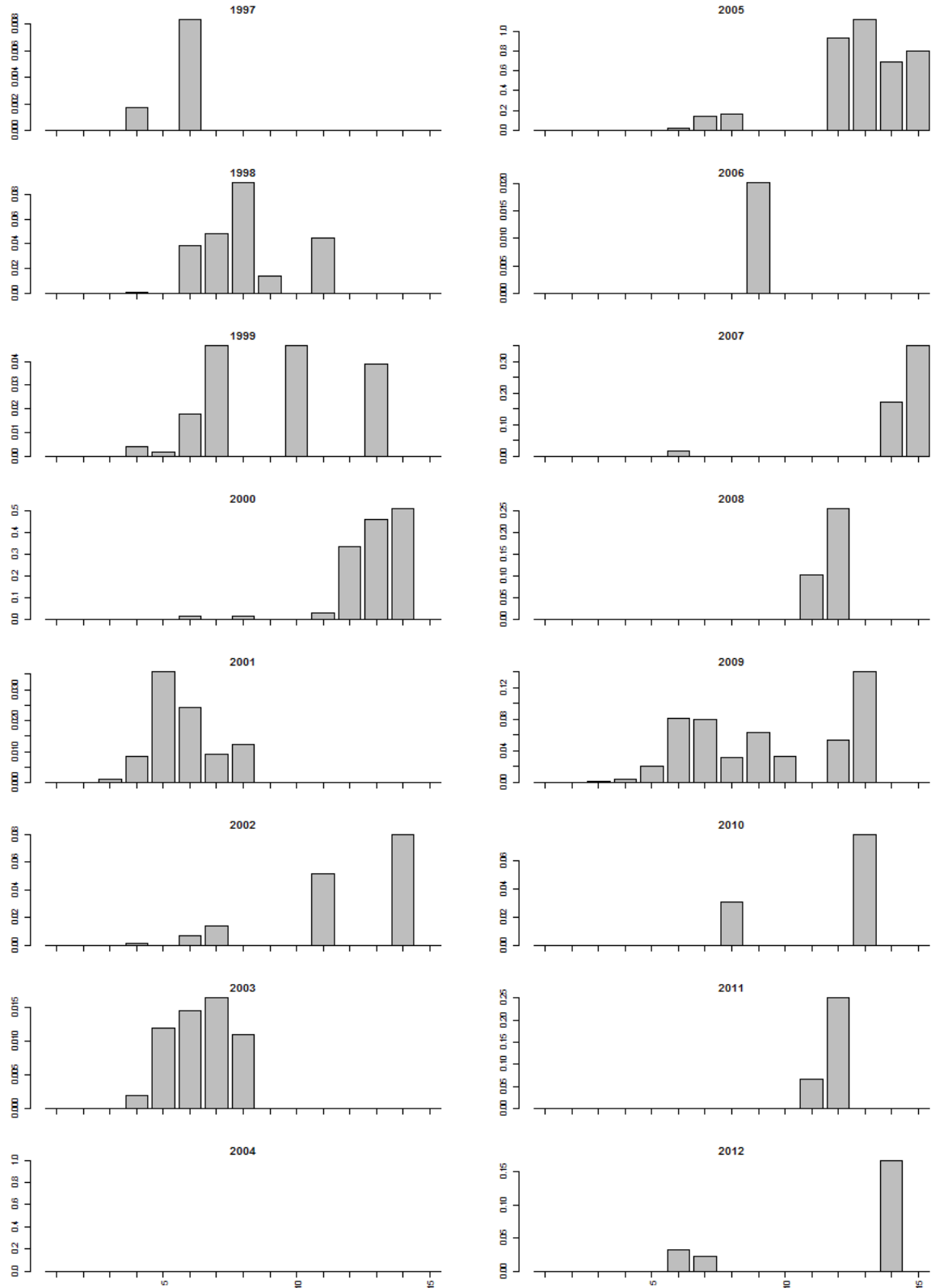


Zandmaas (bemonstering vanaf 2008)

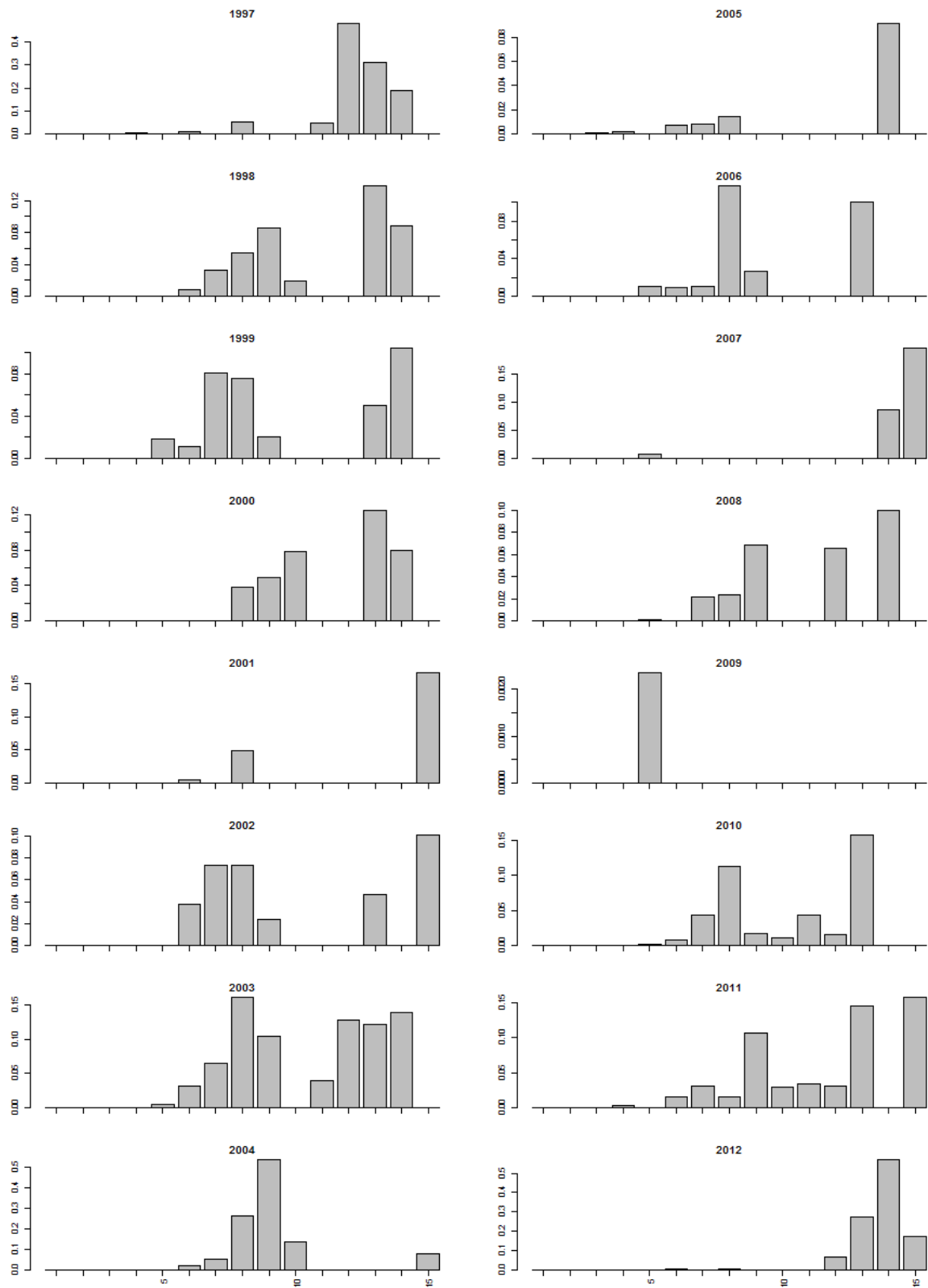


Figuur VII.2 Alver lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

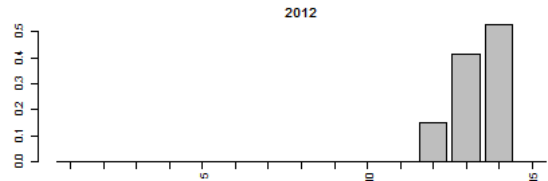
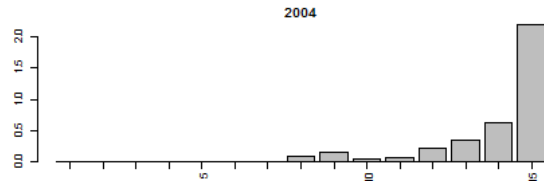
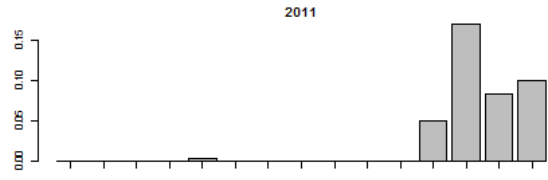
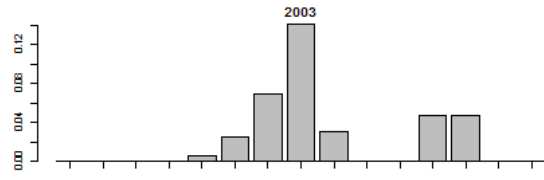
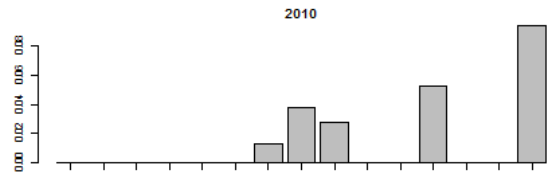
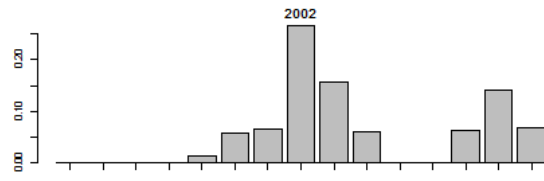
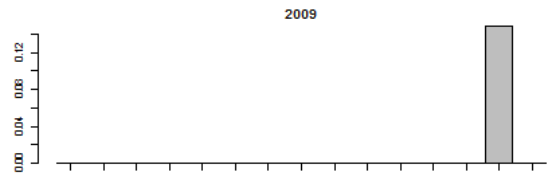
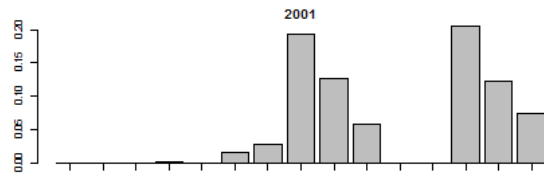
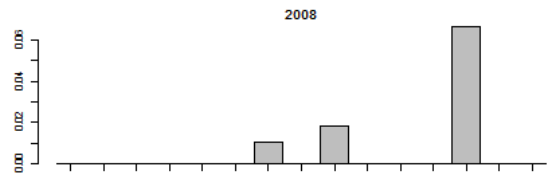
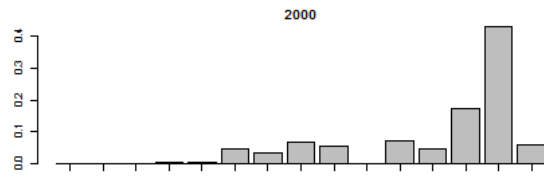
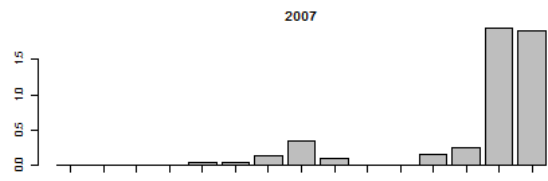
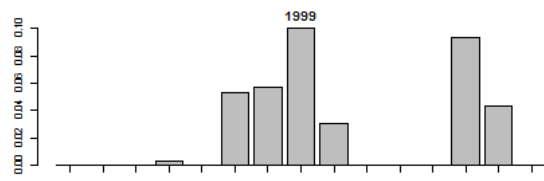
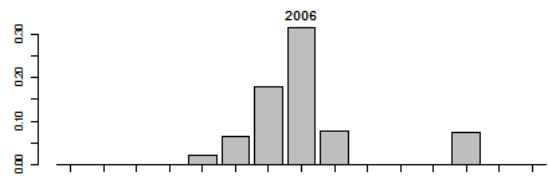
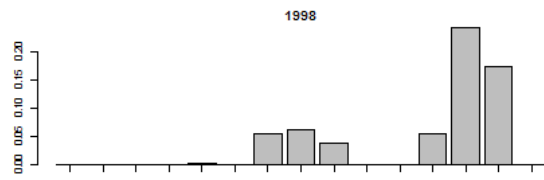
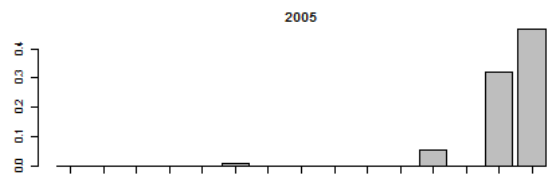
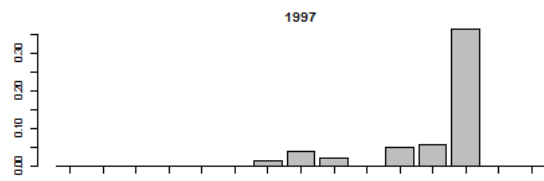
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



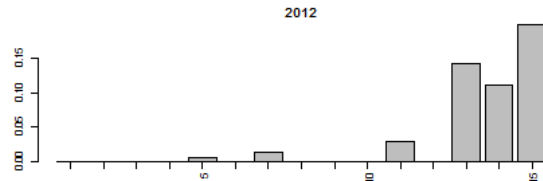
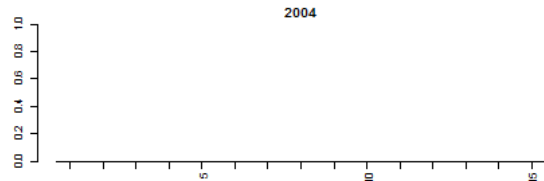
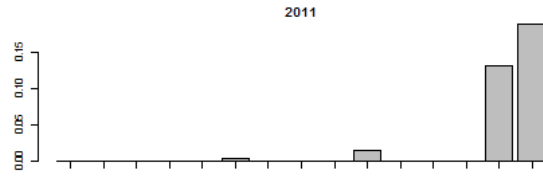
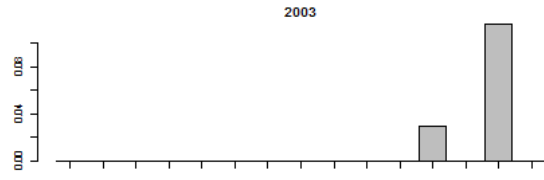
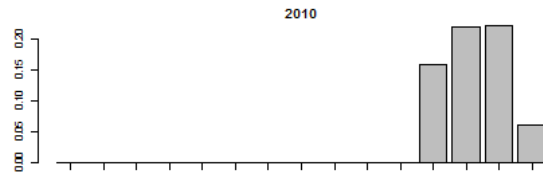
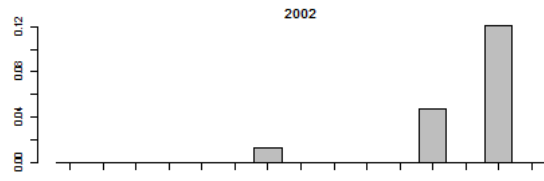
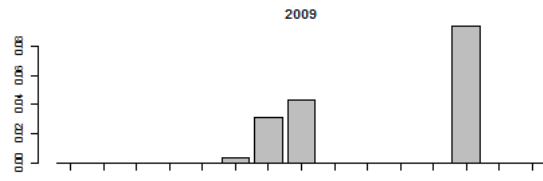
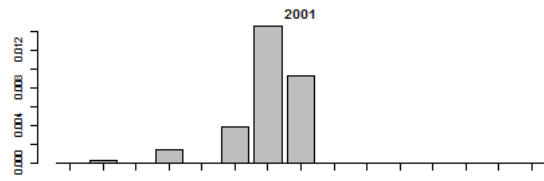
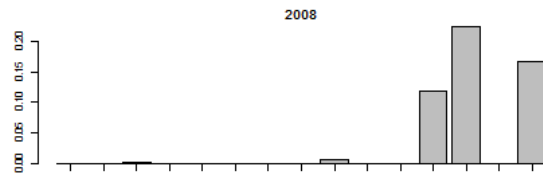
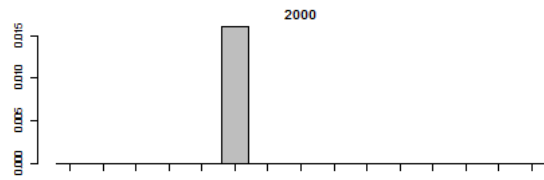
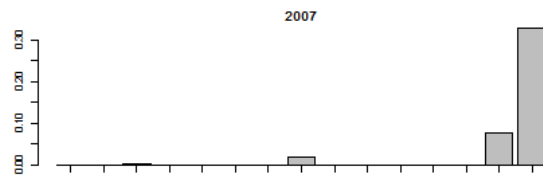
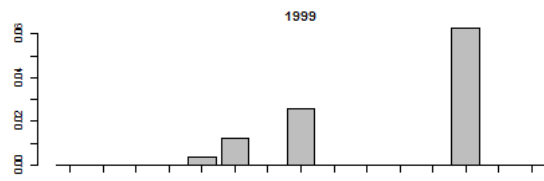
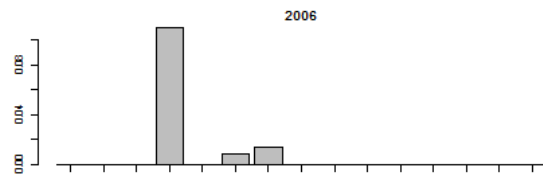
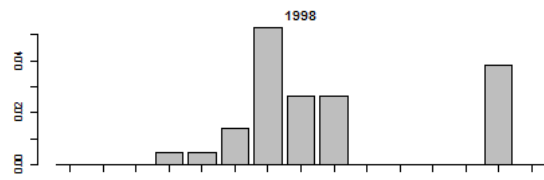
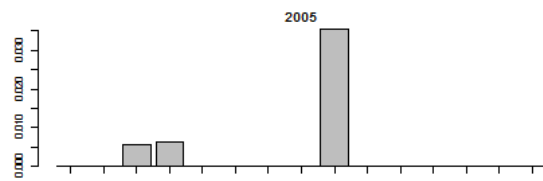
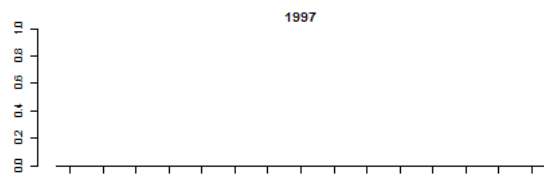
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



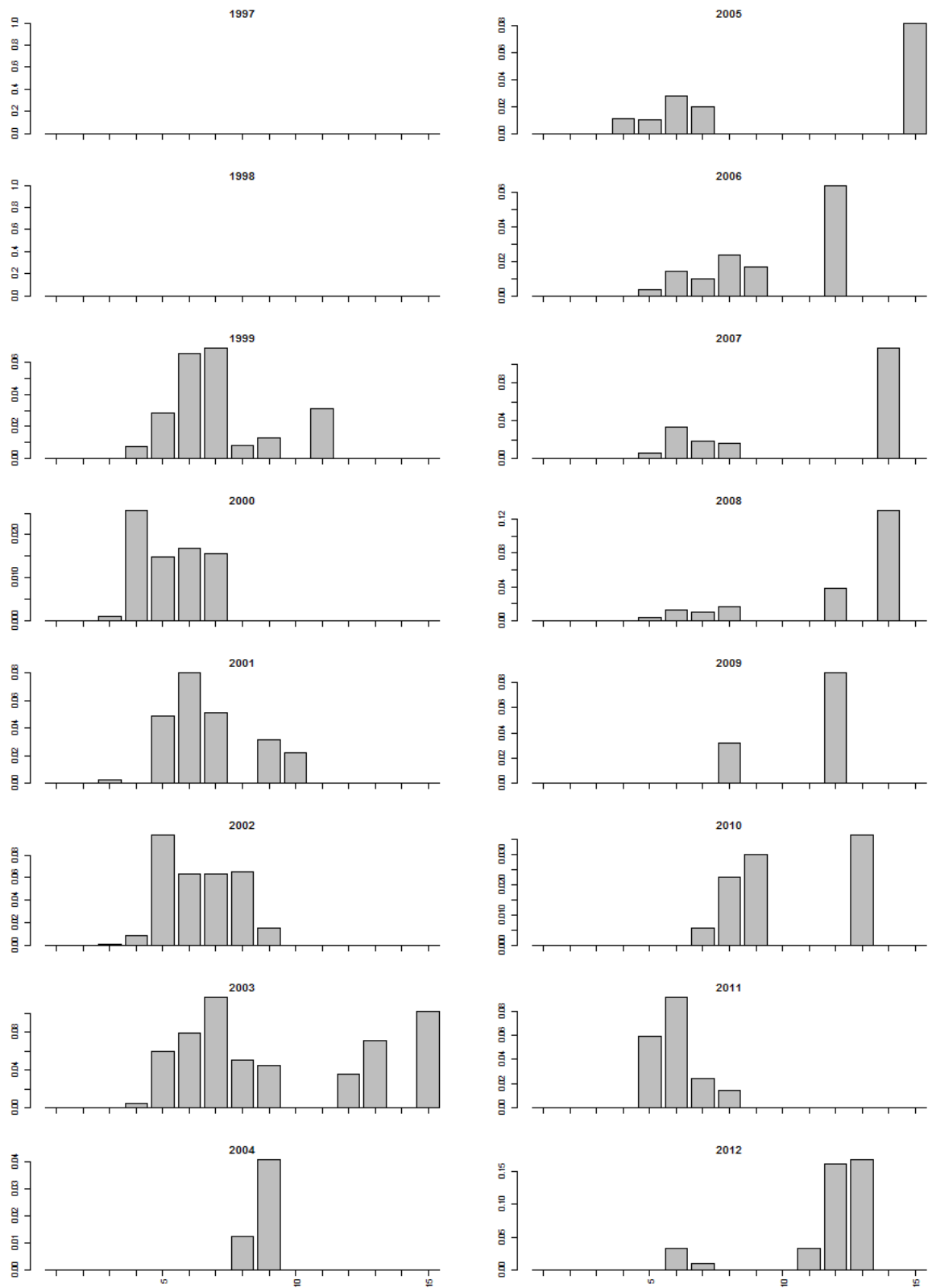
Bovenloop Nederrijn (bemonstering vanaf 1997)



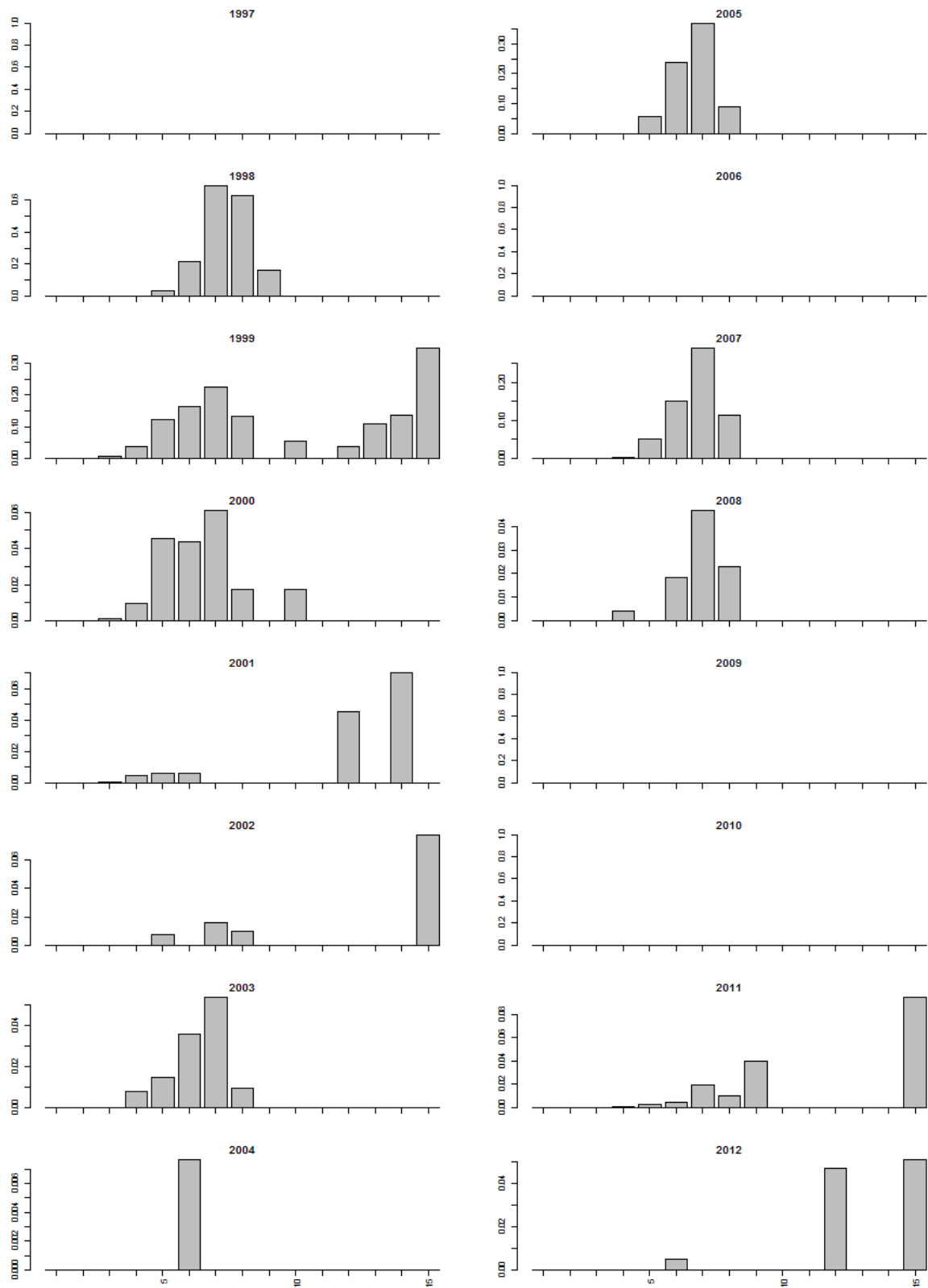
Bovenloop Waal (bemonstering vanaf 1997)



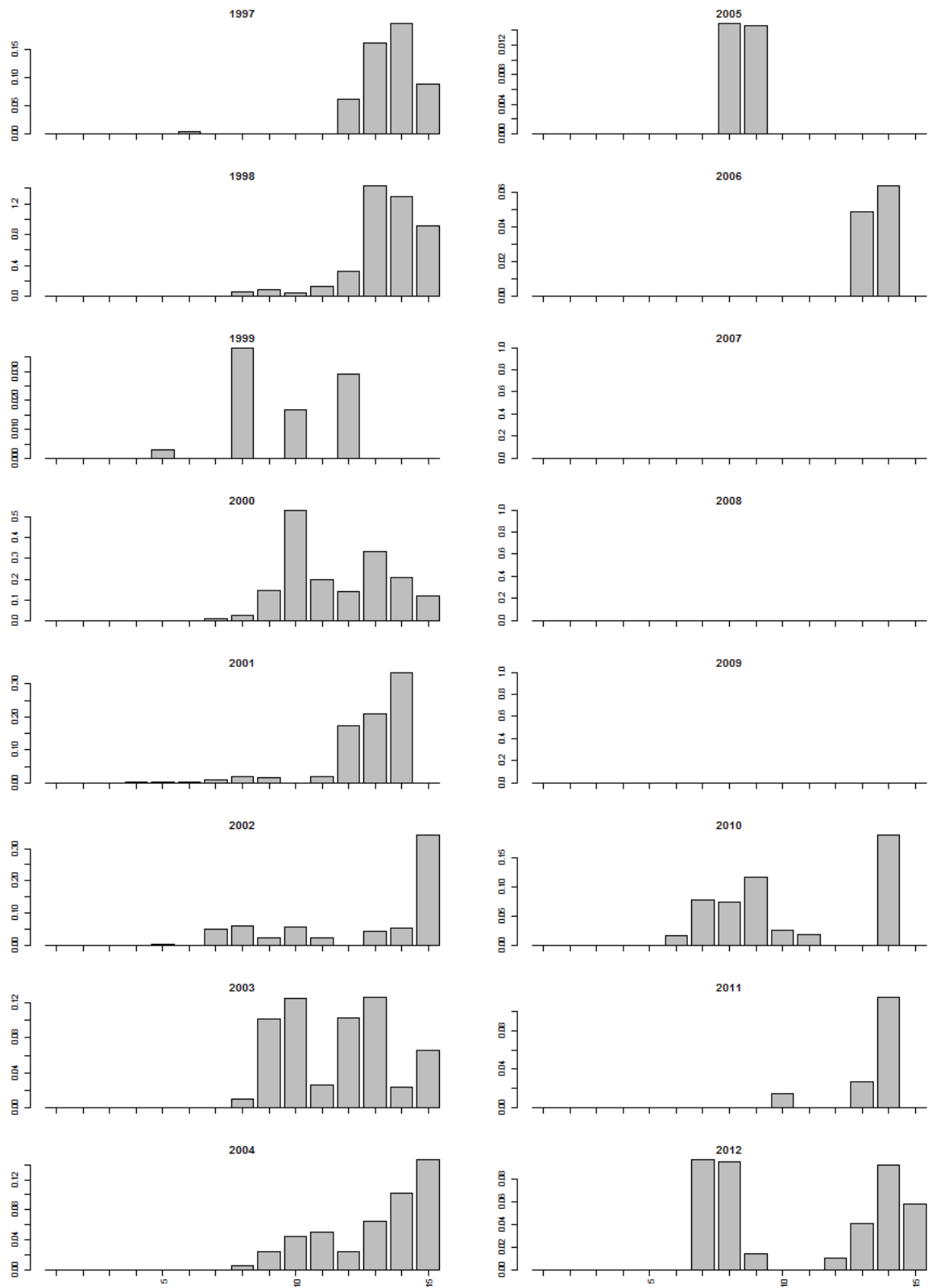
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

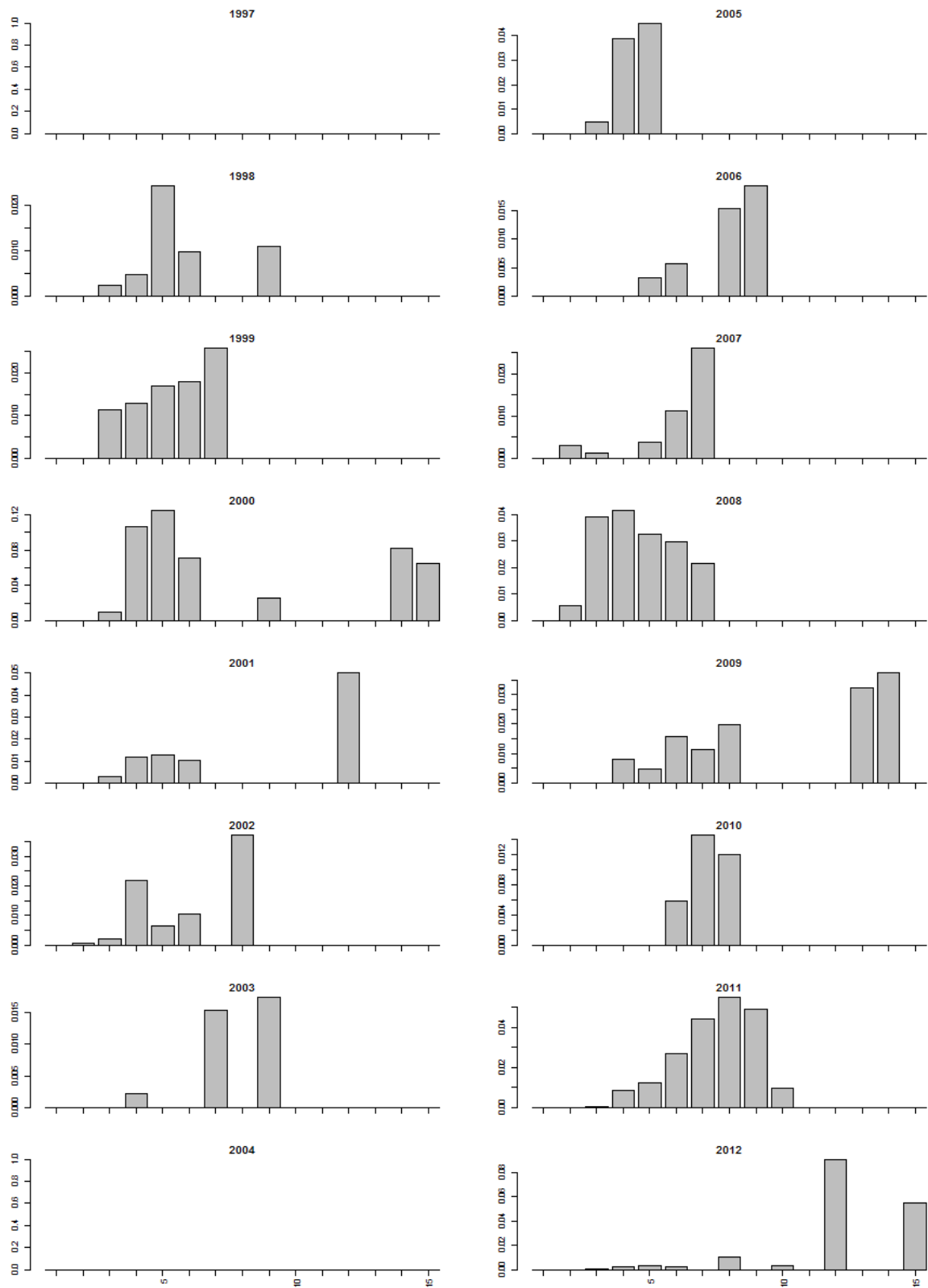


Grensmaas (bemonstering vanaf 1997)

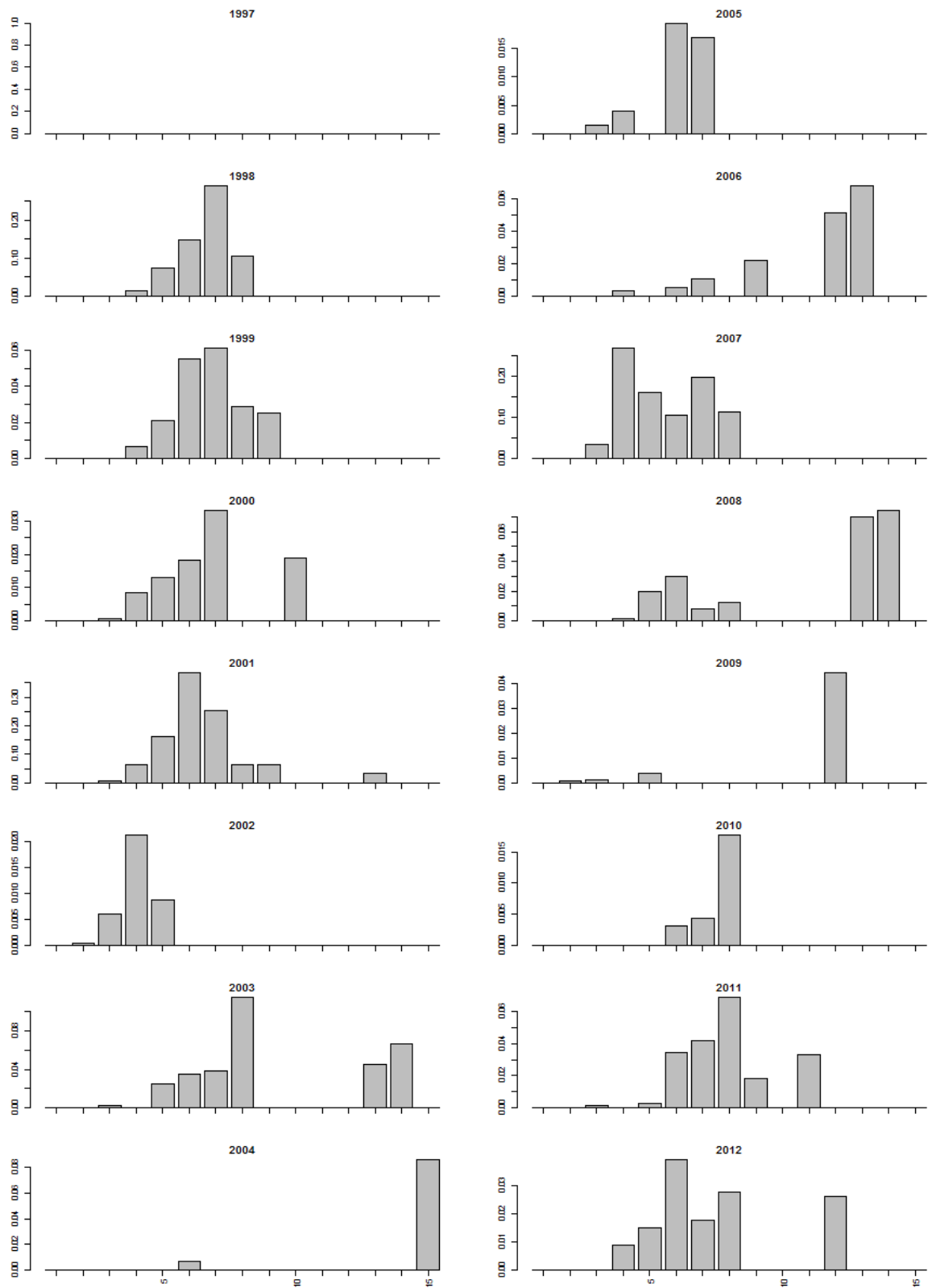


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen alver gevangen.

Hollands diep (bemonstering vanaf 1997)

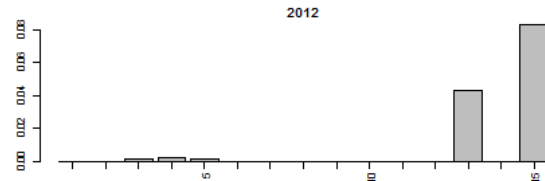
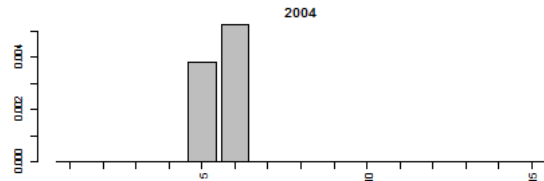
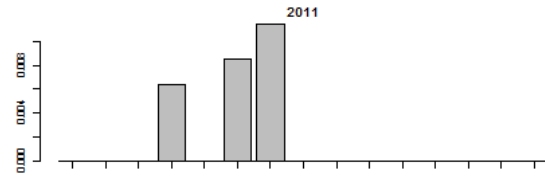
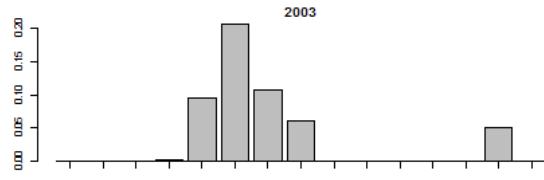
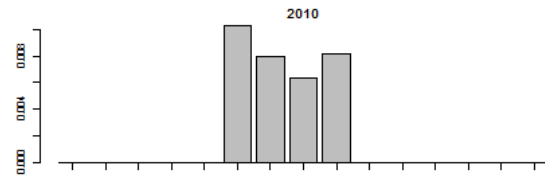
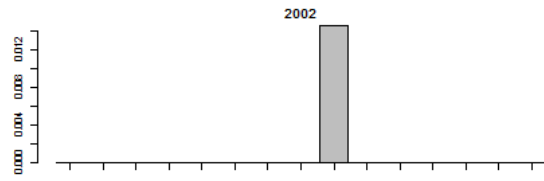
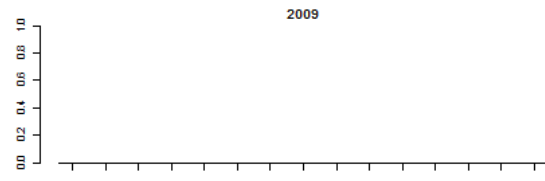
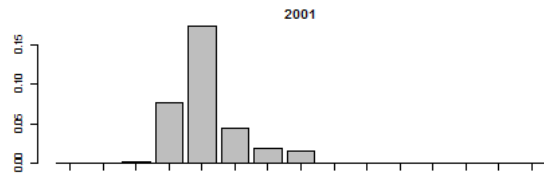
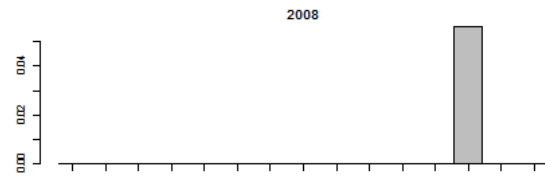
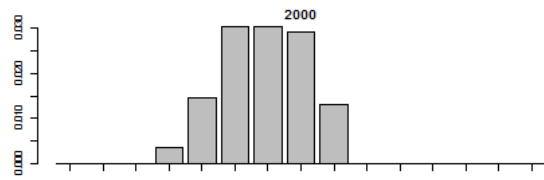
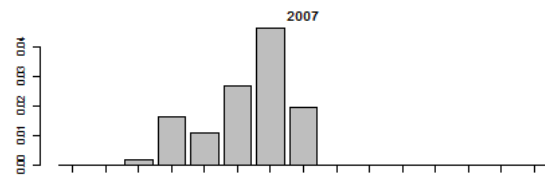
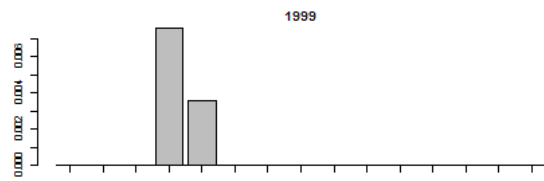
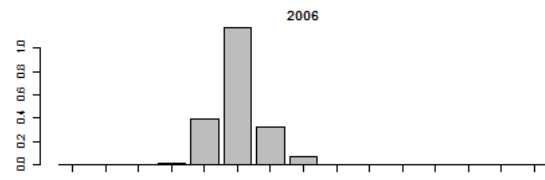
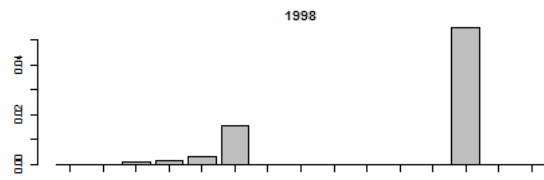
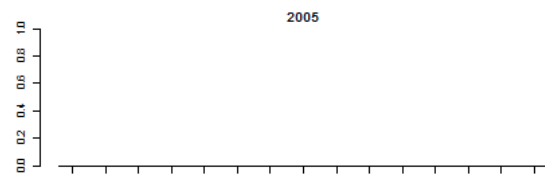
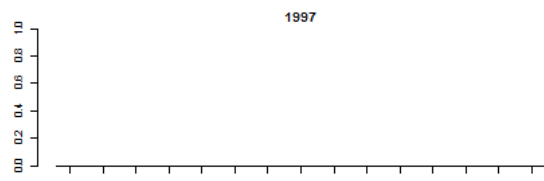


Nieuwe Merwede (bemonstering vanaf 1997)

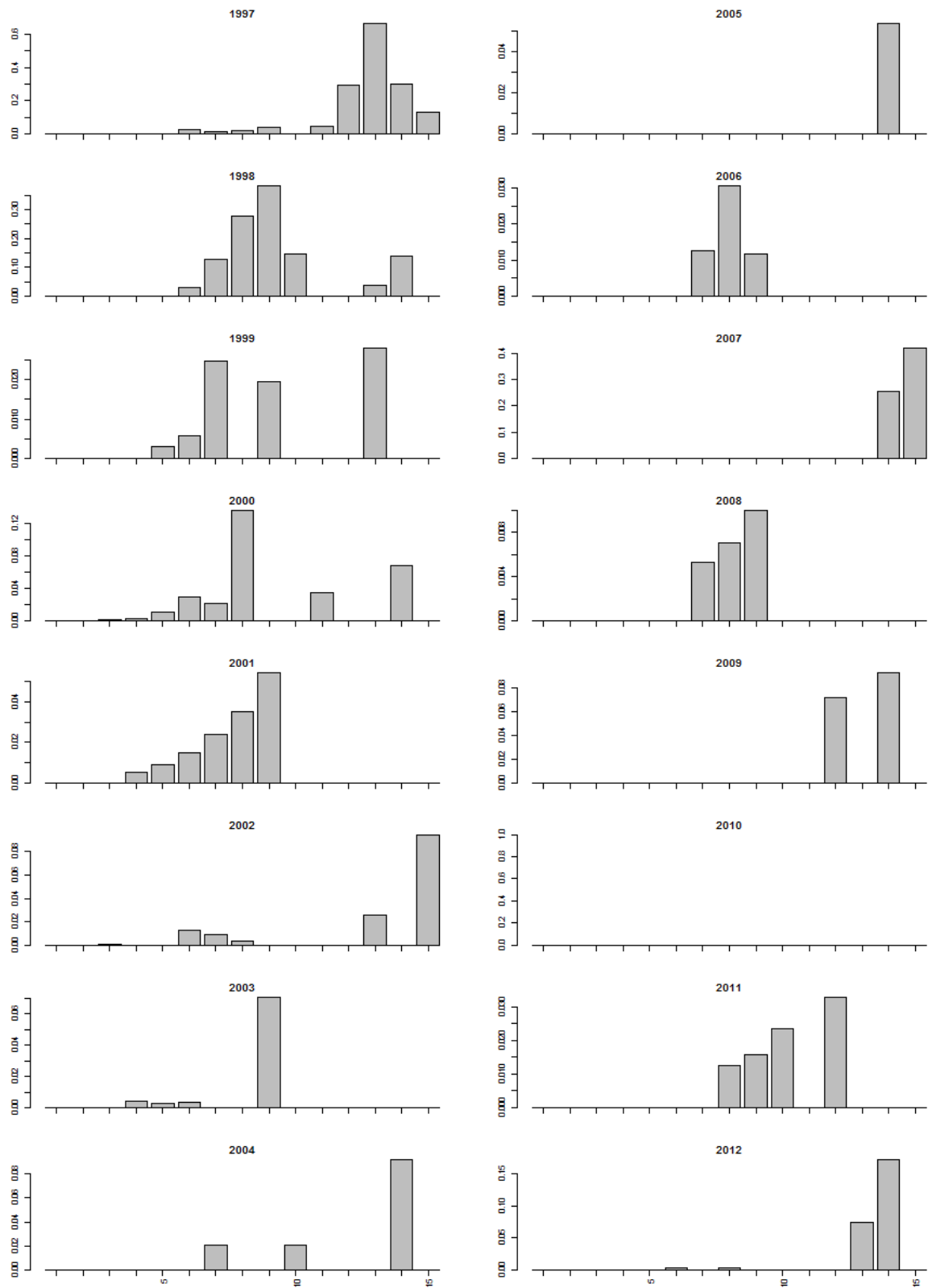


Noordzeekanaal (alleen bemonsterd in 2009 en 2012). Geen alver gevangen.

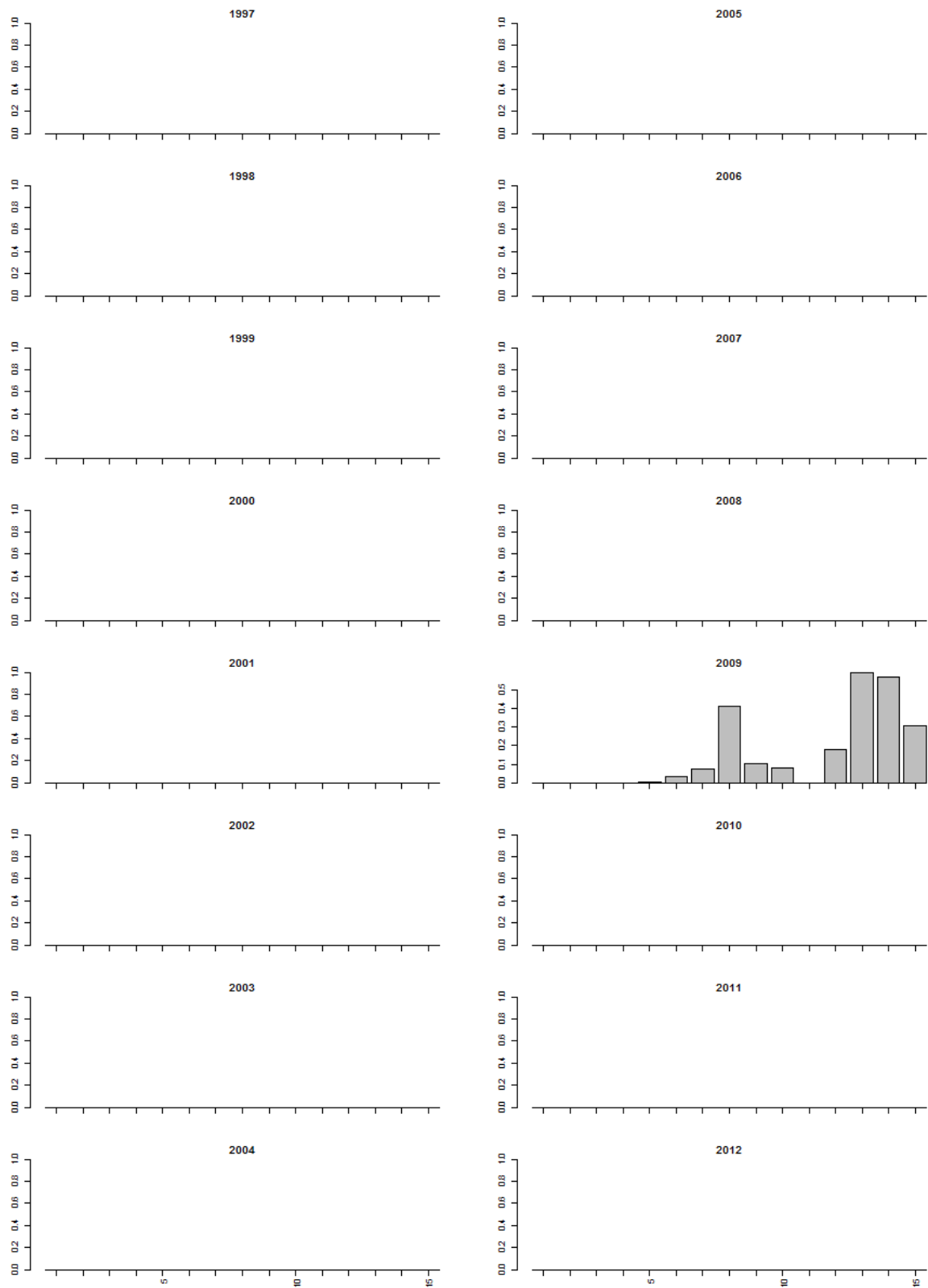
Oude Maas (bemonstering vanaf 1997)



Rijn (bemonstering vanaf 1997)



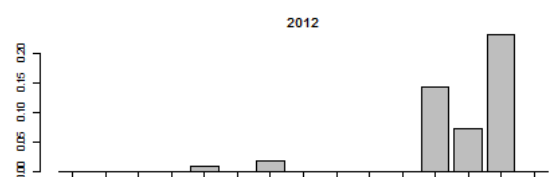
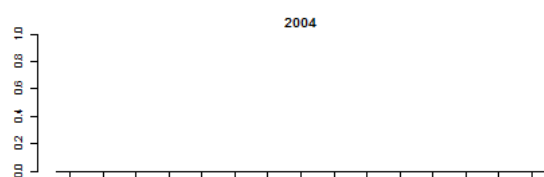
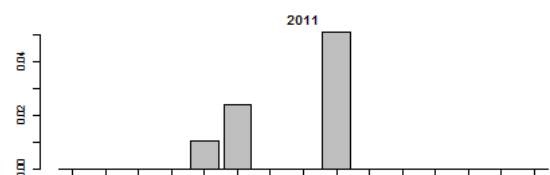
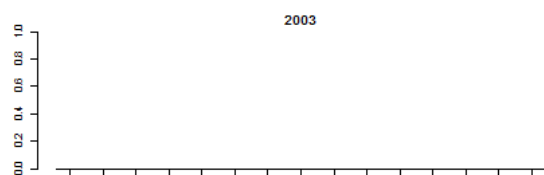
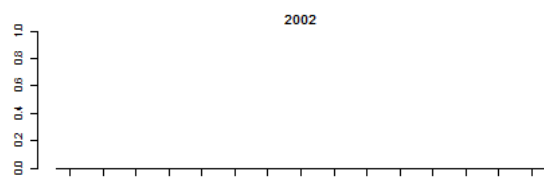
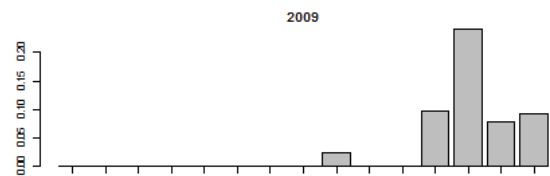
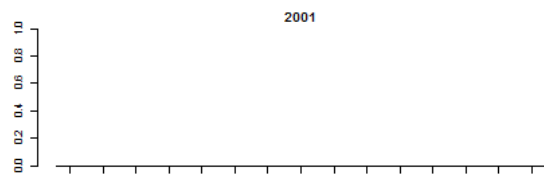
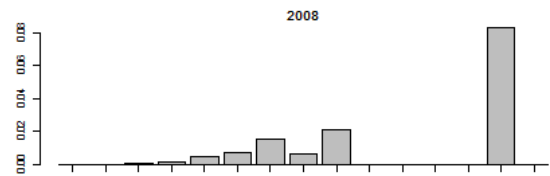
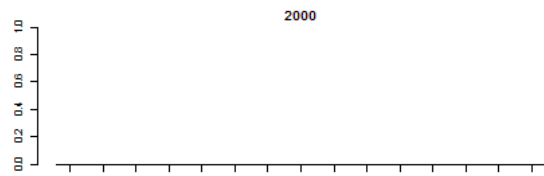
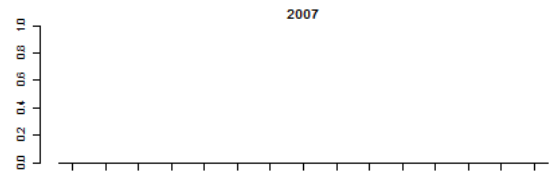
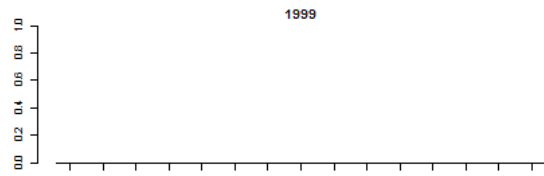
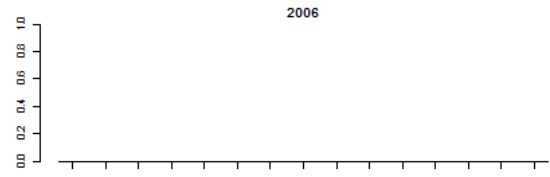
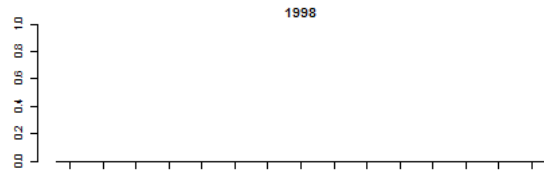
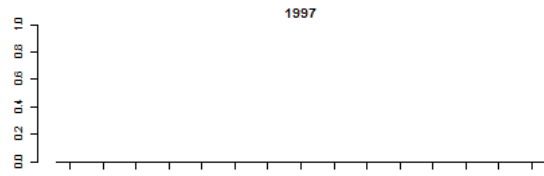
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

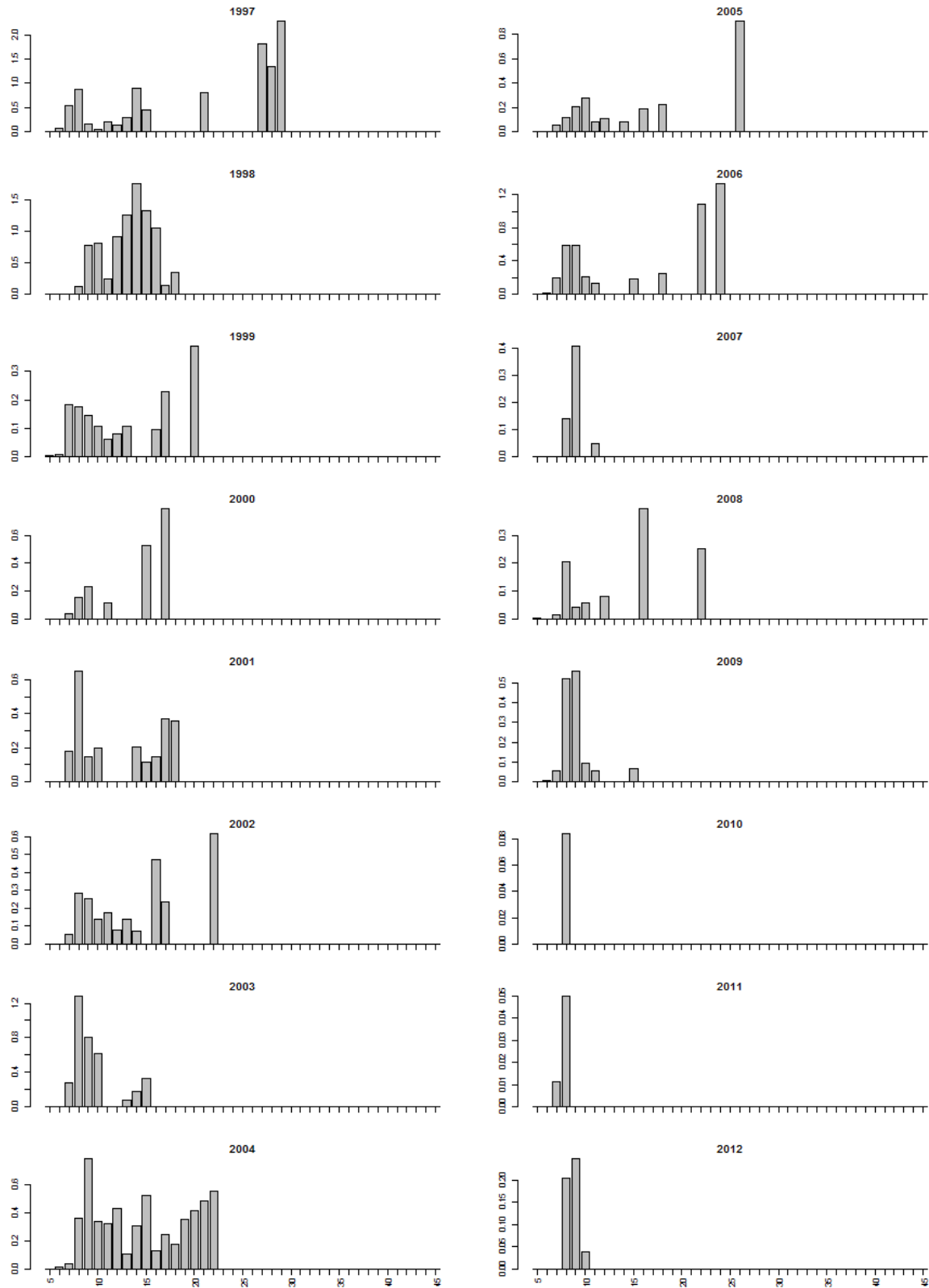
Geen alver gevangen.

Zandmaas (bemonstering vanaf 2008)

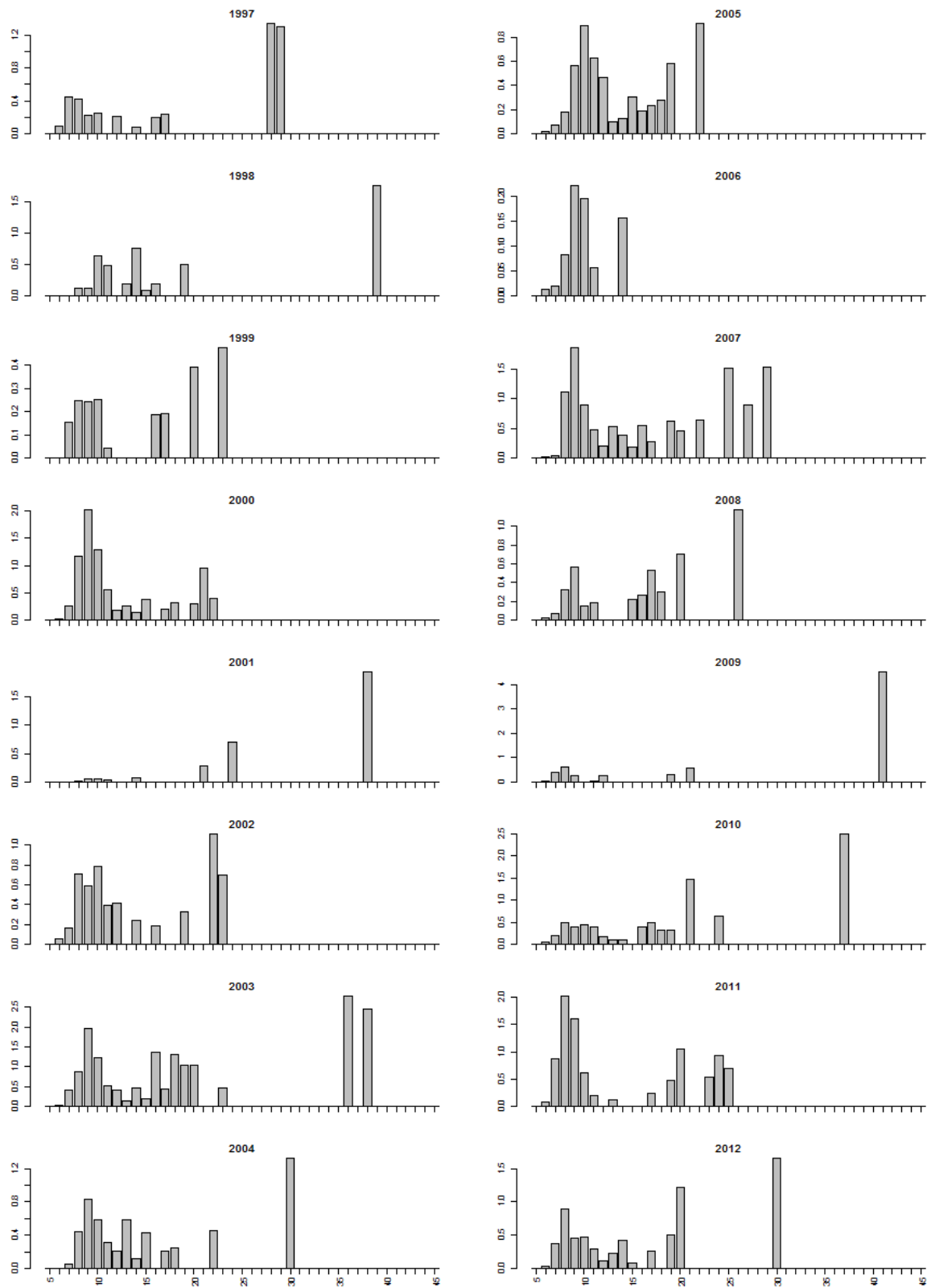


Figuur VII.3 Baars lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

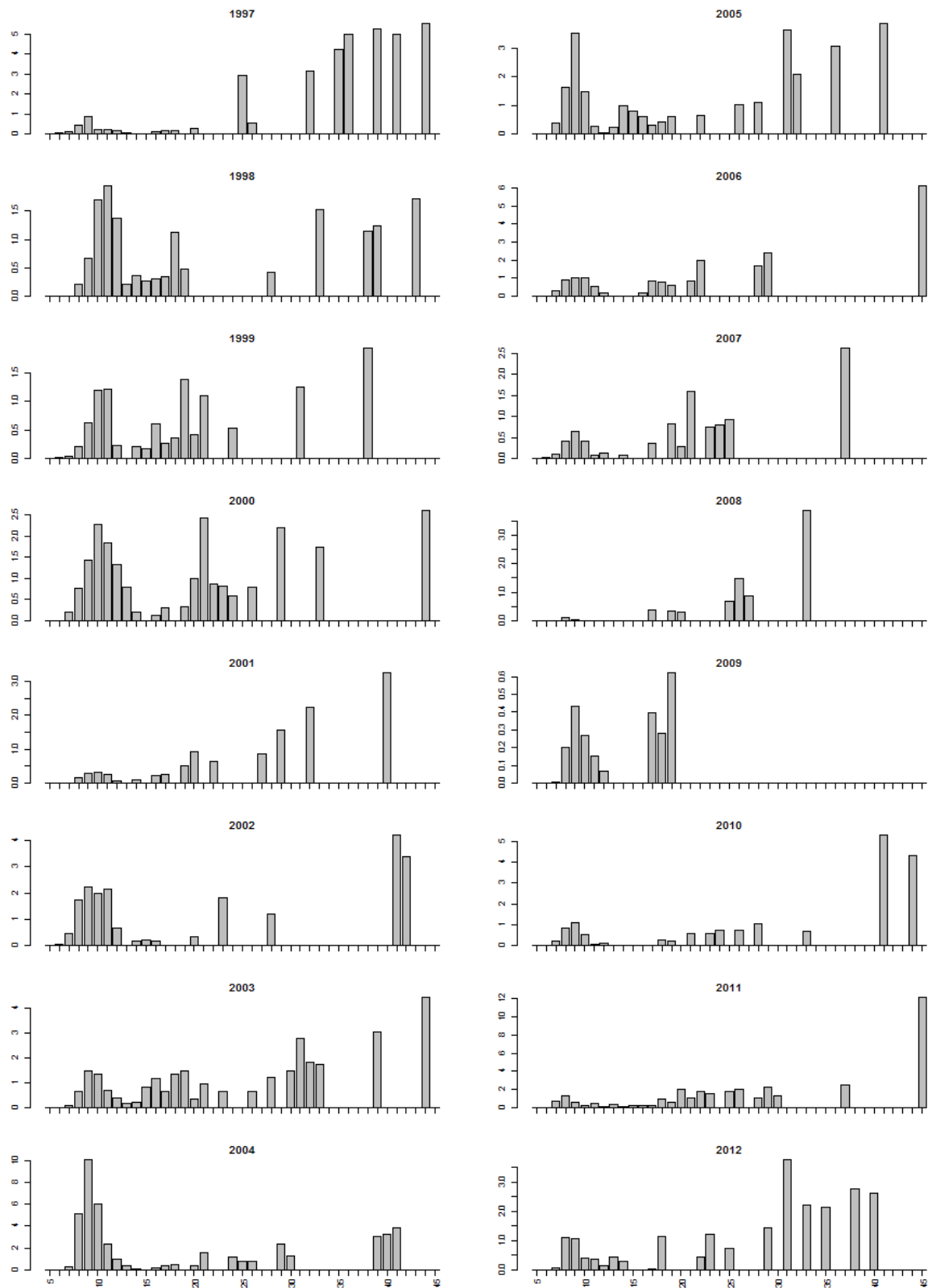
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



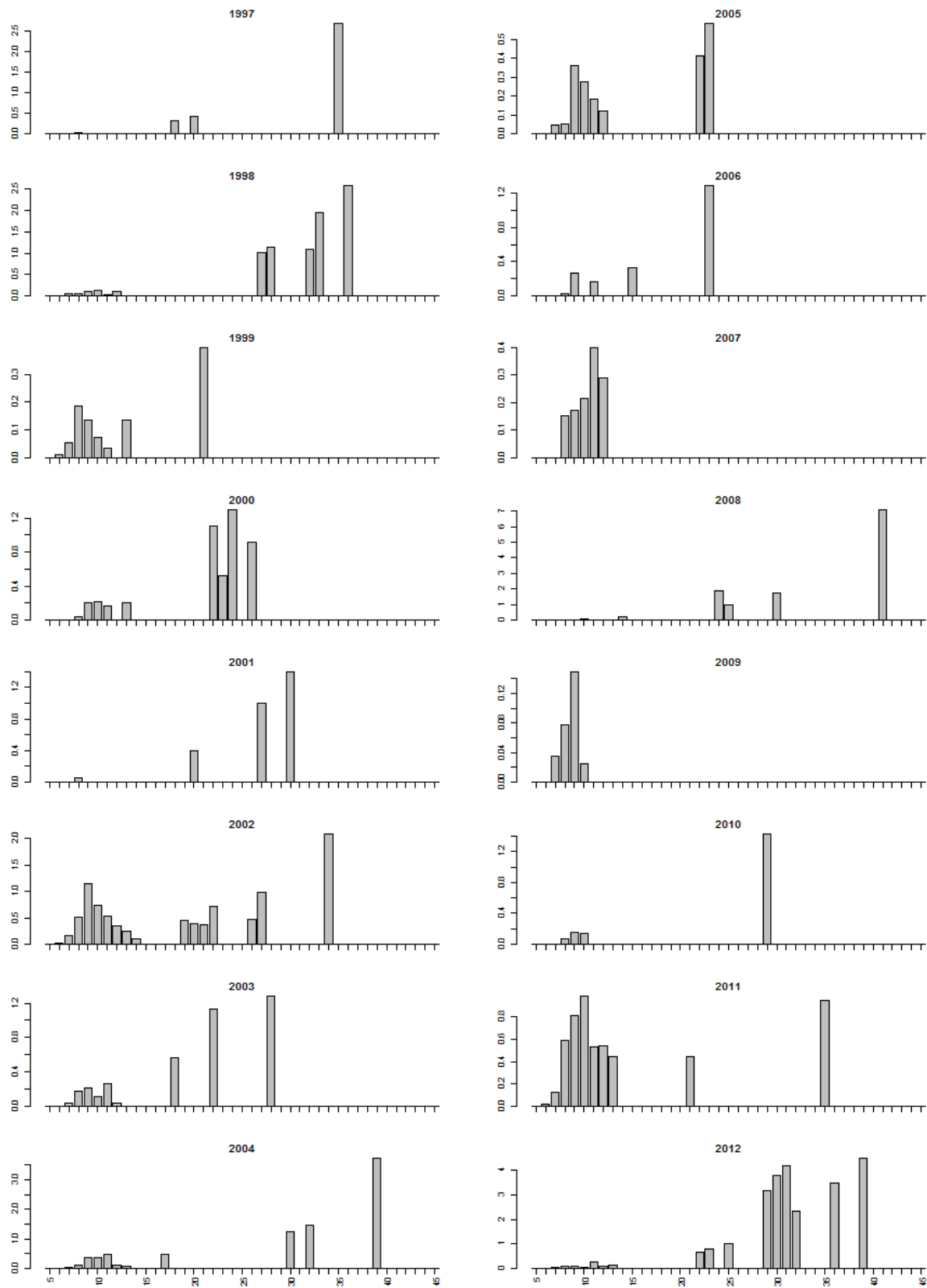
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



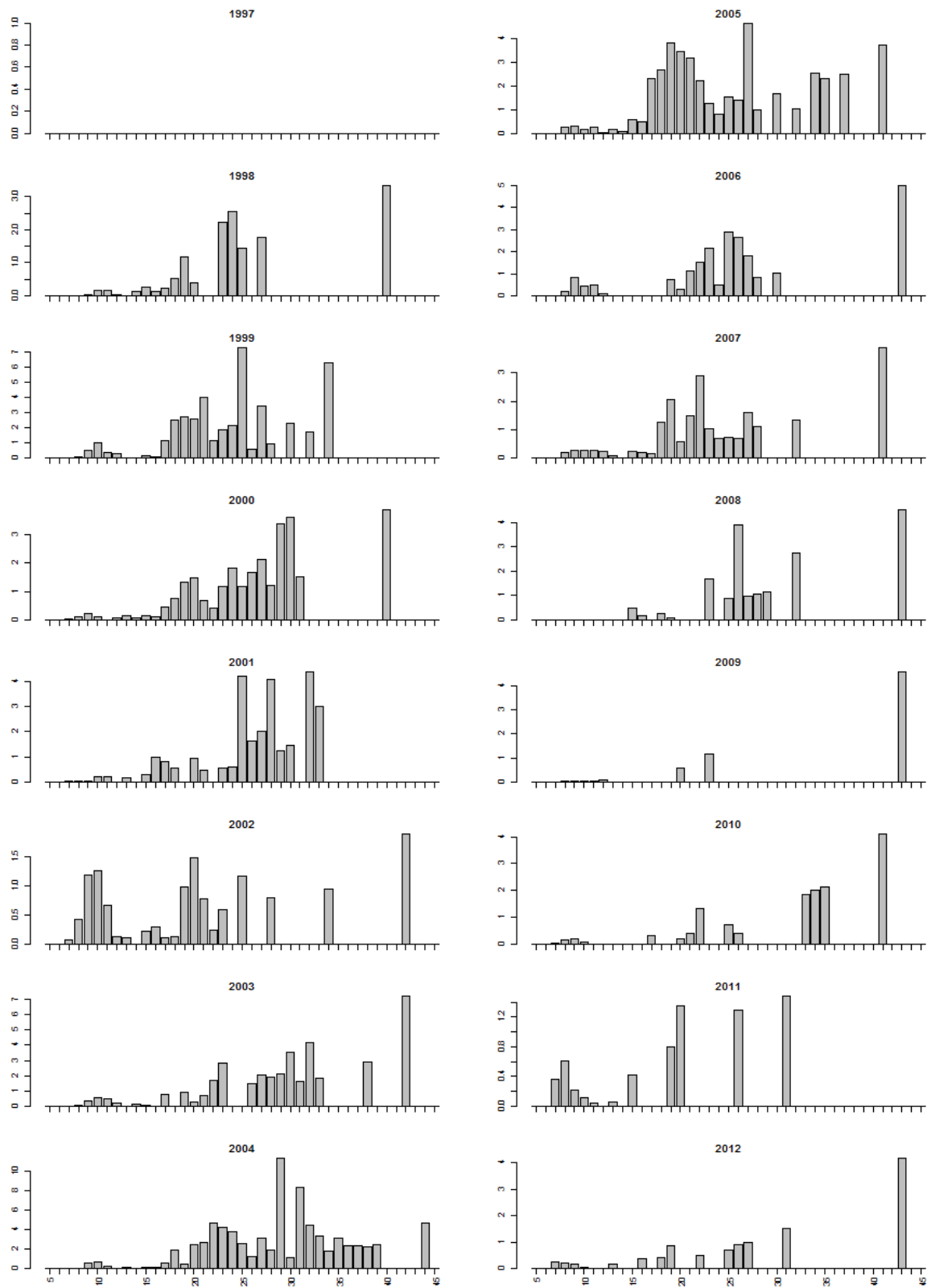
Bovenloop Nederrijn (bemonstering vanaf 1997)



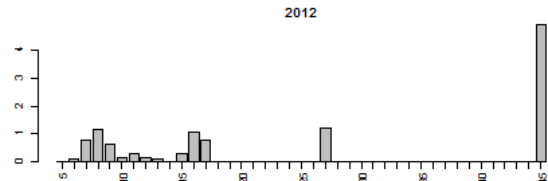
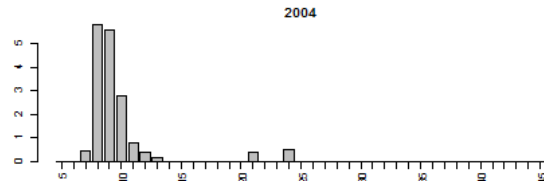
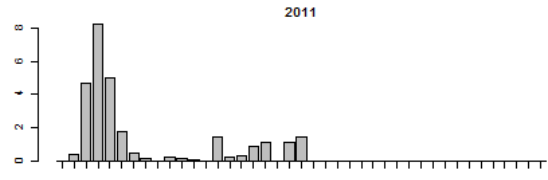
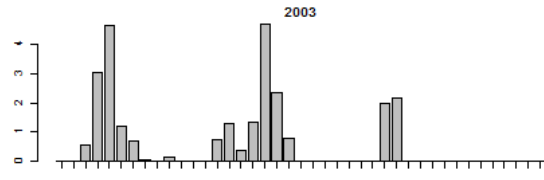
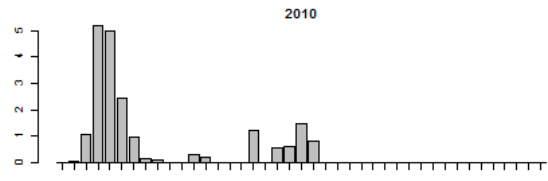
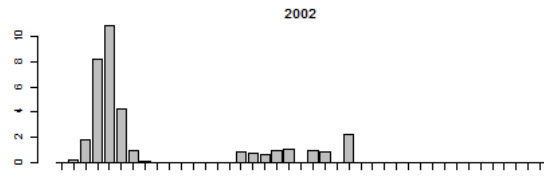
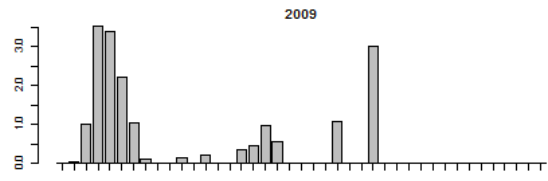
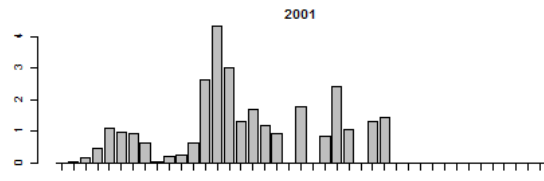
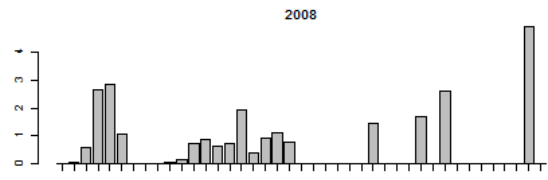
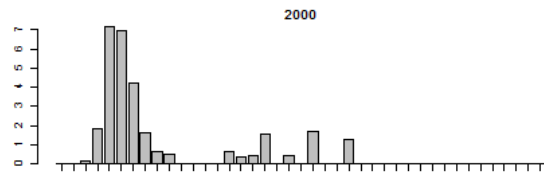
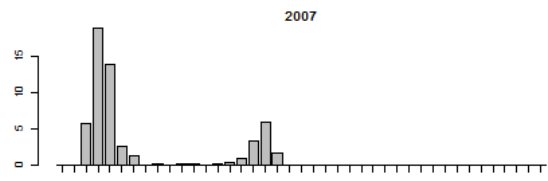
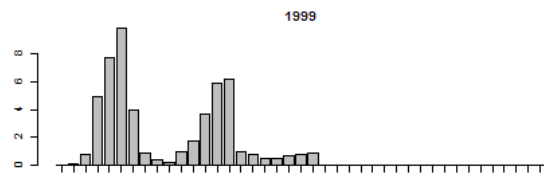
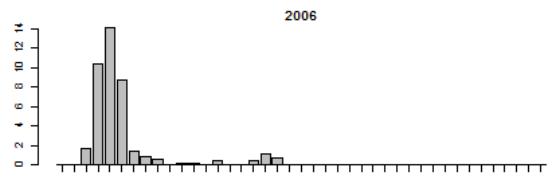
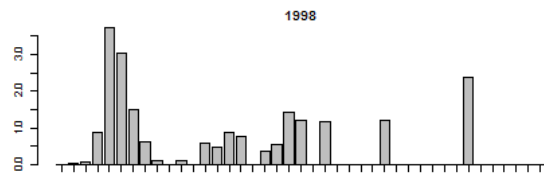
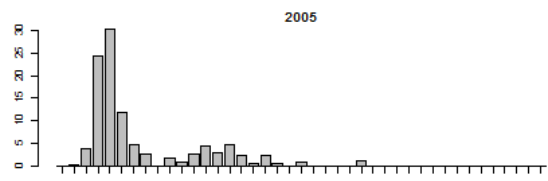
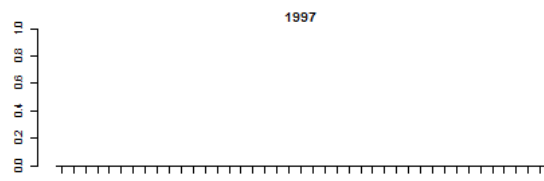
Bovenloop Waal (bemonstering vanaf 1997)



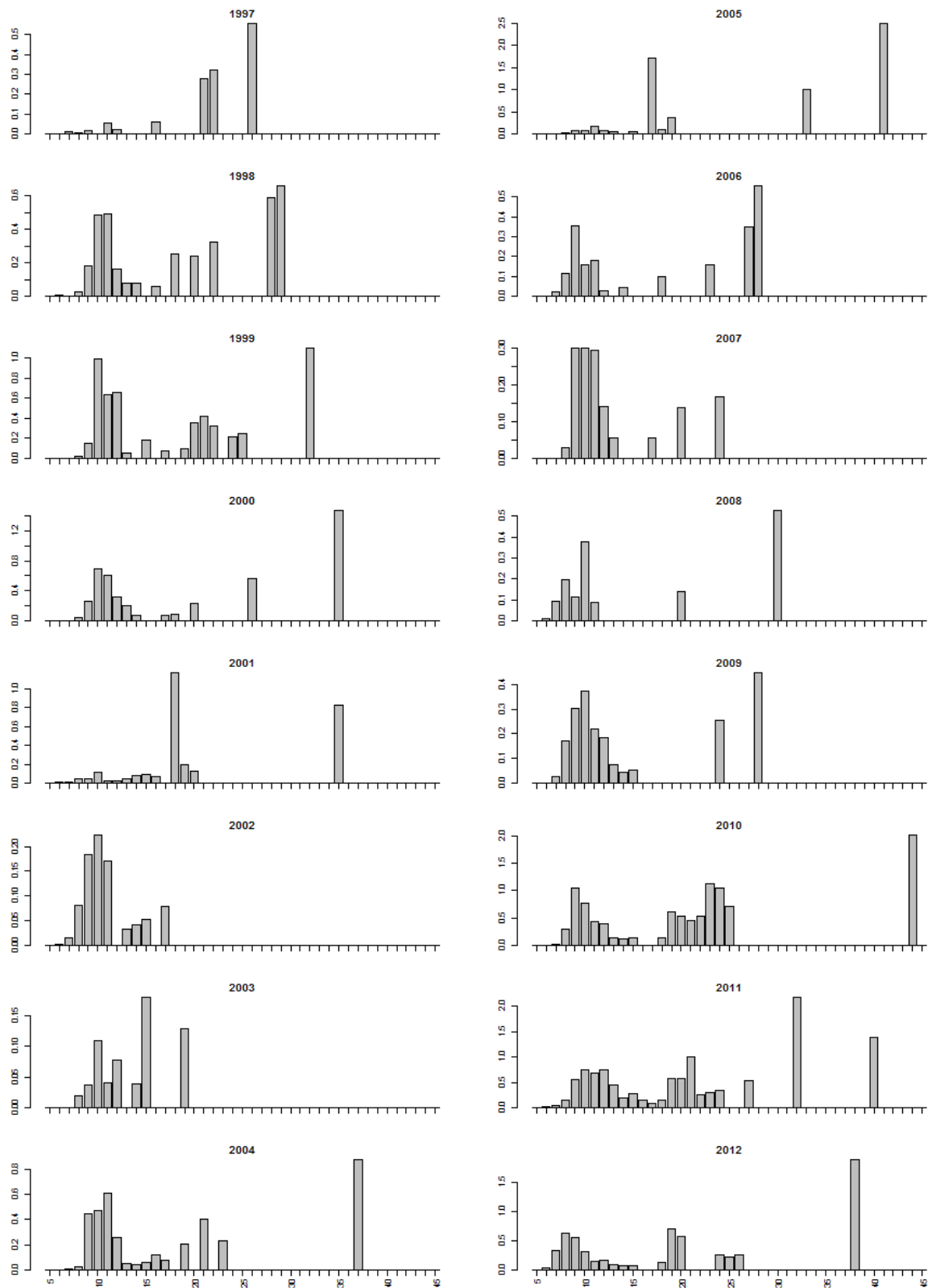
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

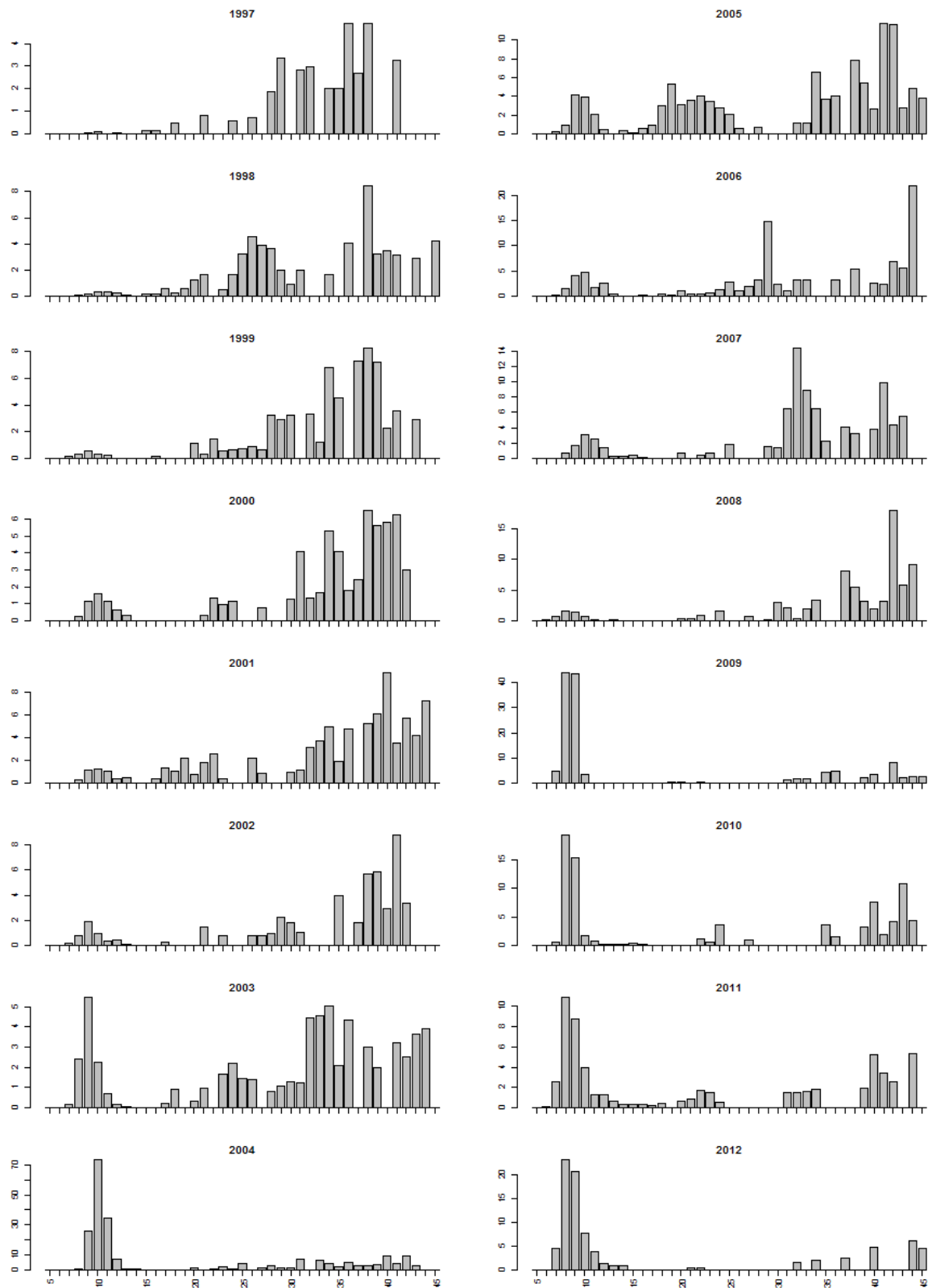


Grensmaas (bemonstering vanaf 1997)

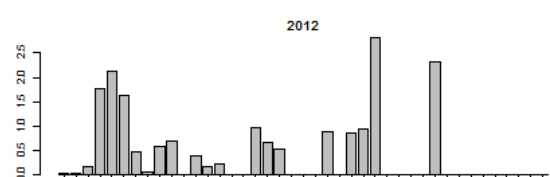
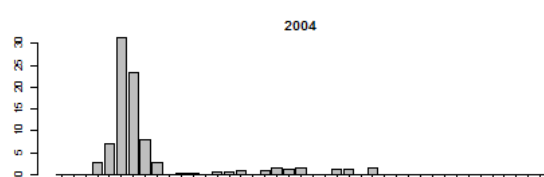
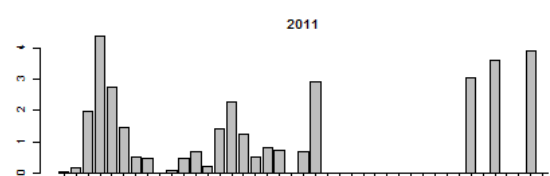
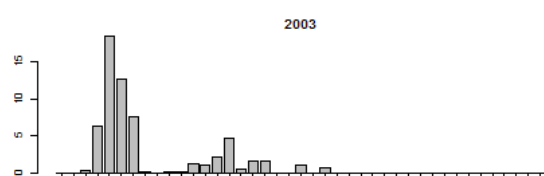
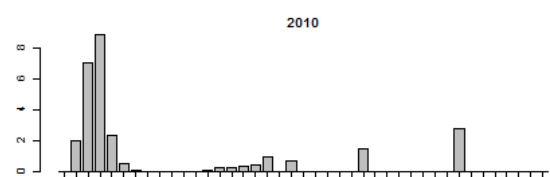
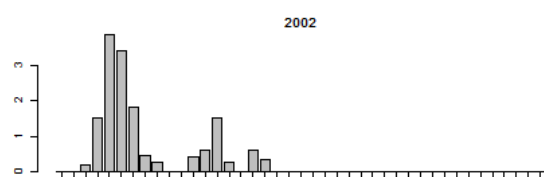
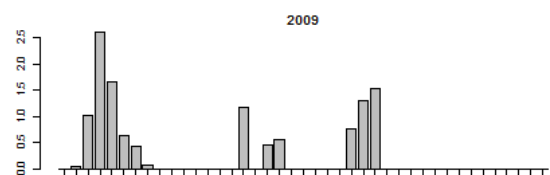
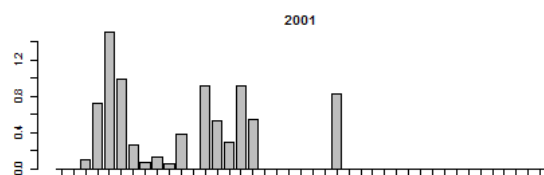
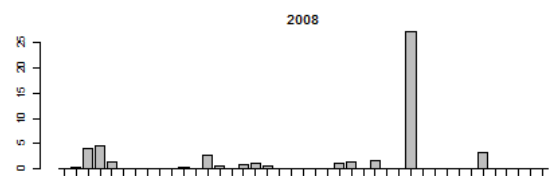
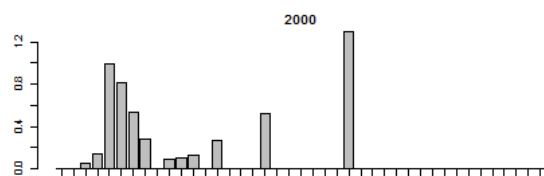
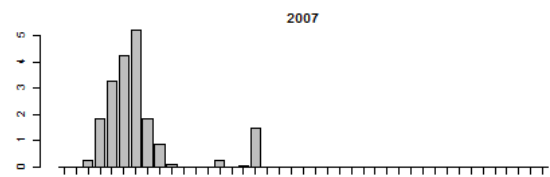
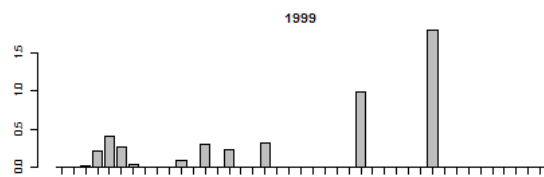
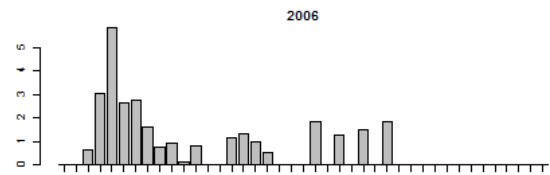
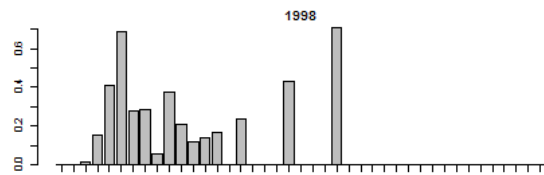
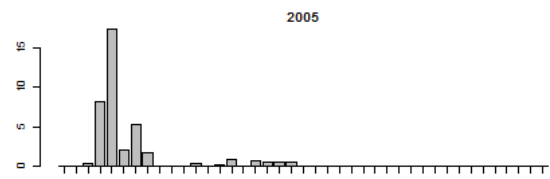
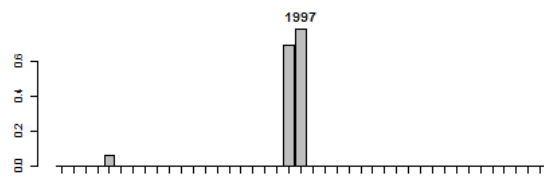


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen baars gevangen.

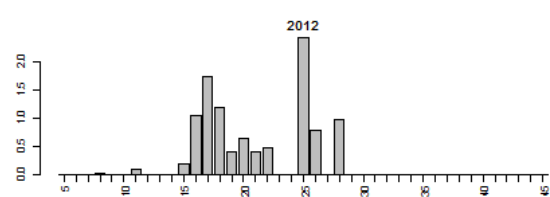
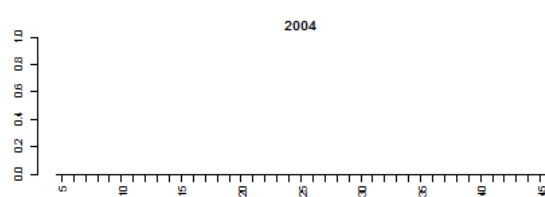
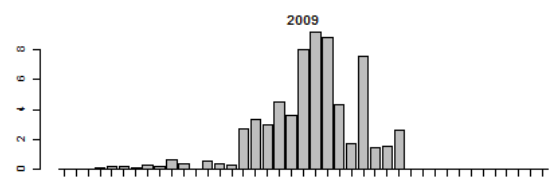
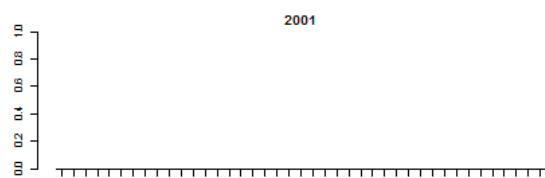
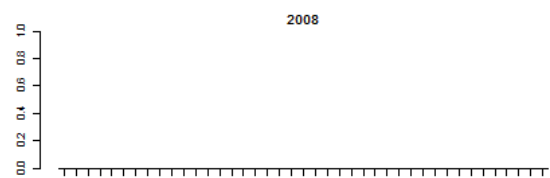
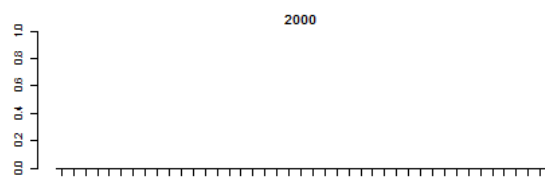
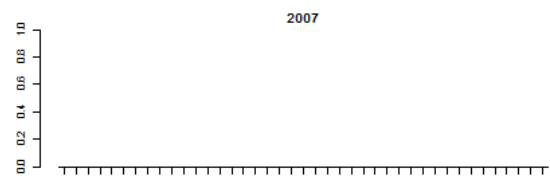
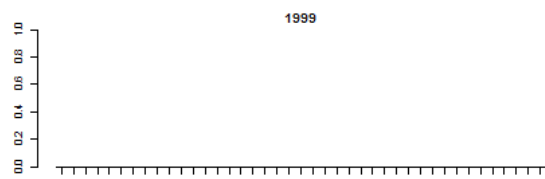
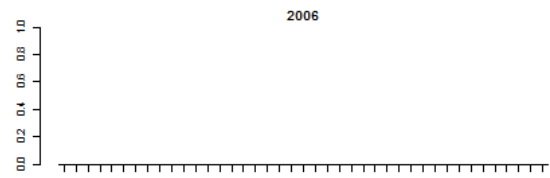
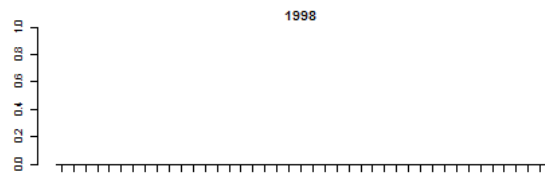
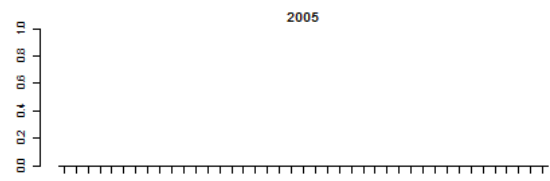
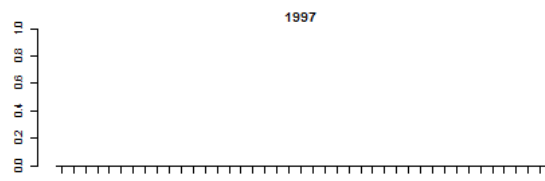
Hollands diep (bemonstering vanaf 1997)



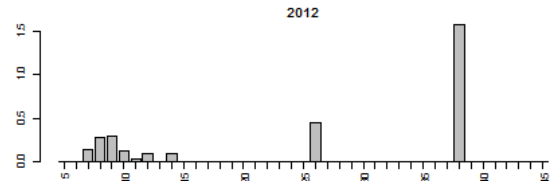
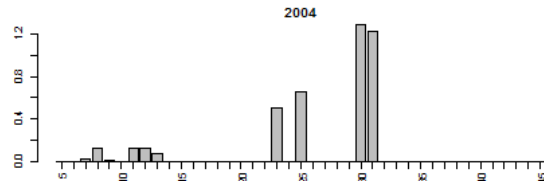
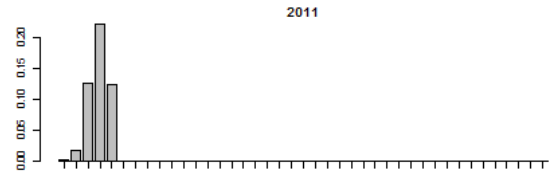
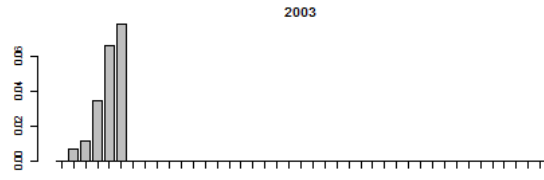
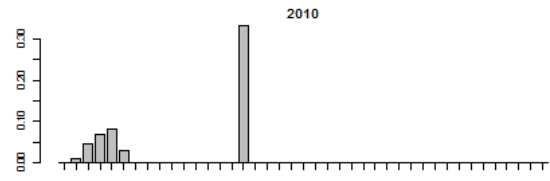
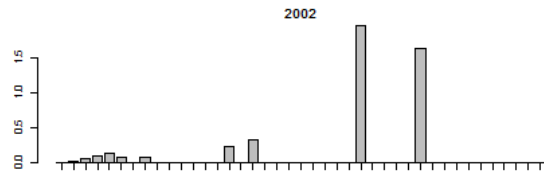
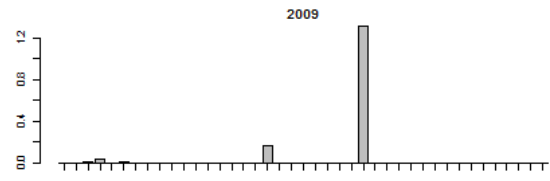
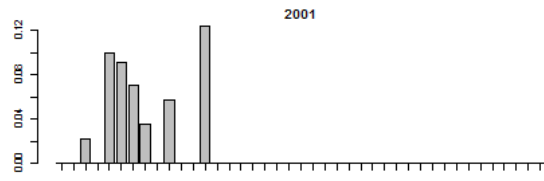
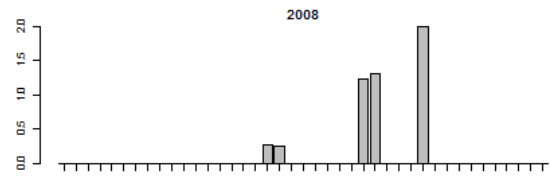
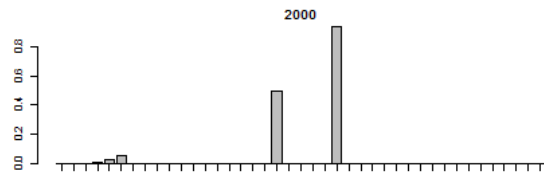
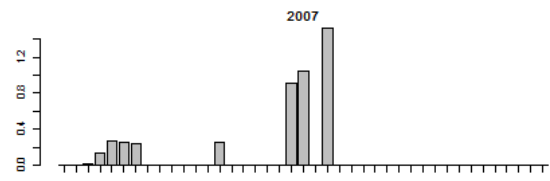
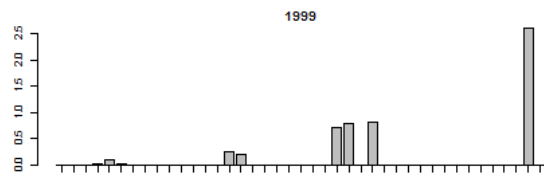
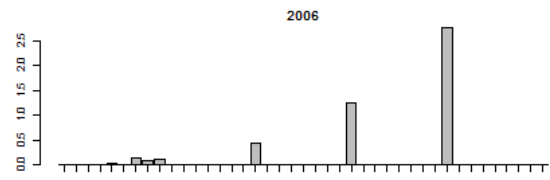
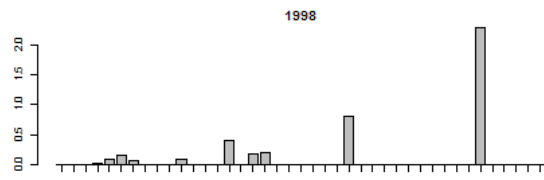
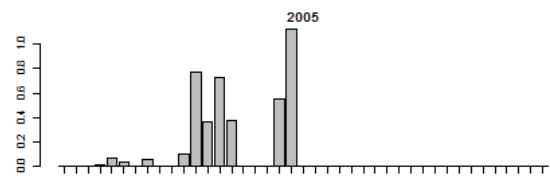
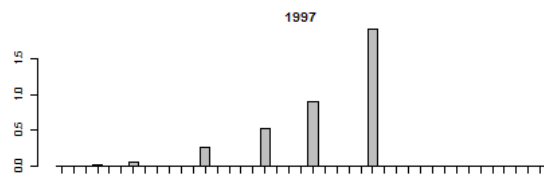
Nieuwe Merwede (bemonstering vanaf 1997)



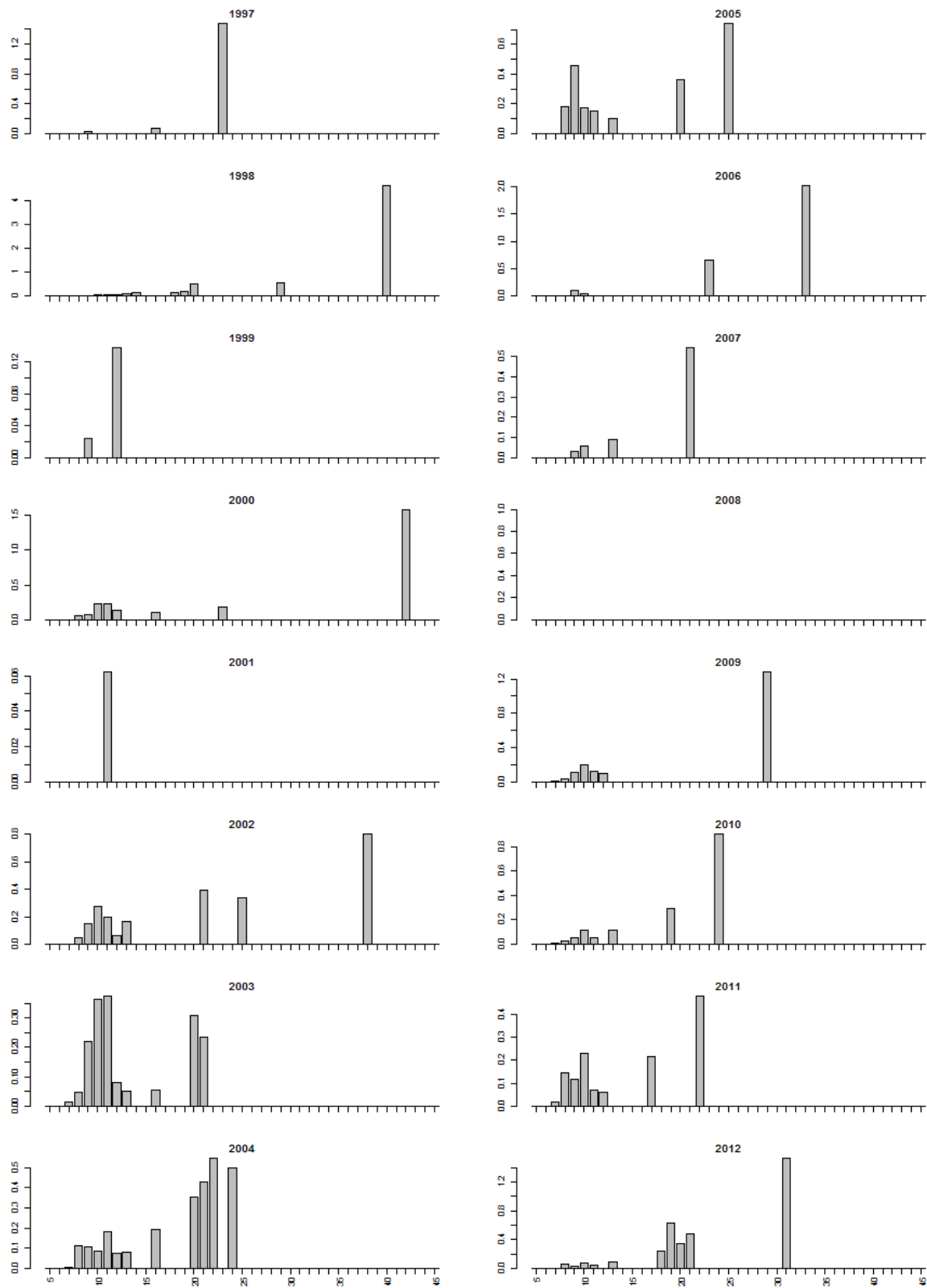
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



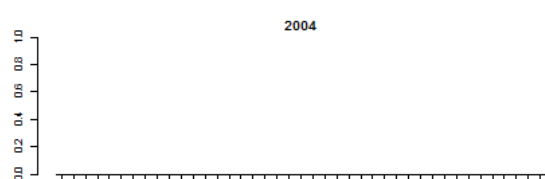
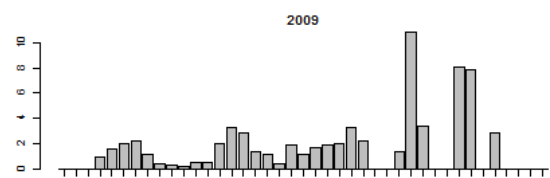
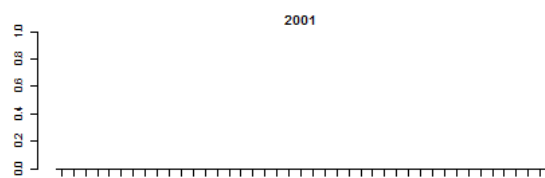
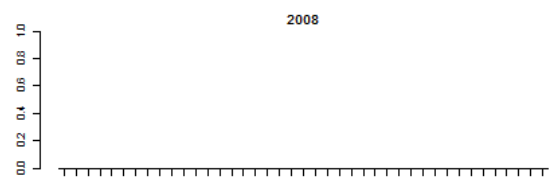
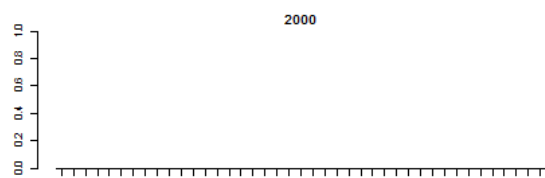
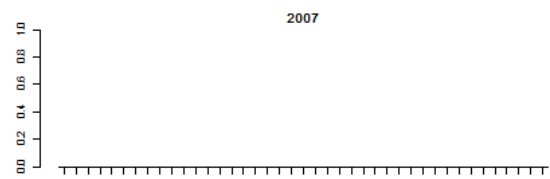
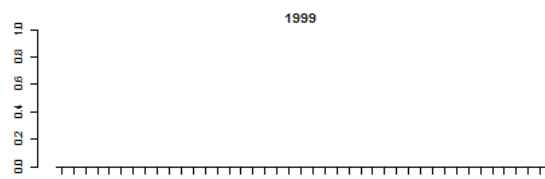
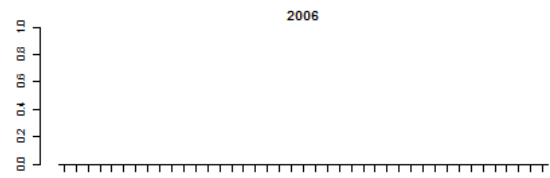
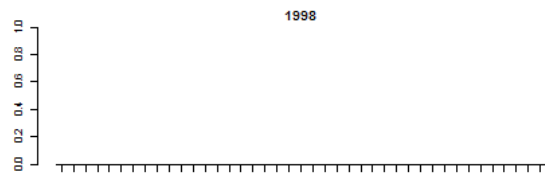
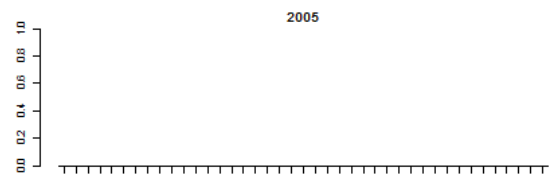
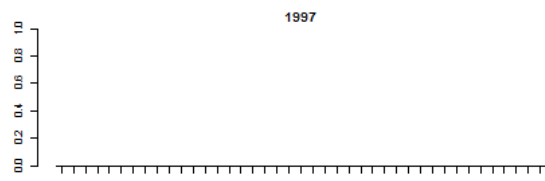
Oude Maas (bemonstering vanaf 1997)



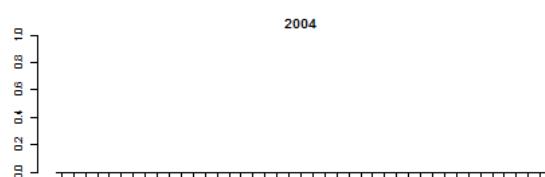
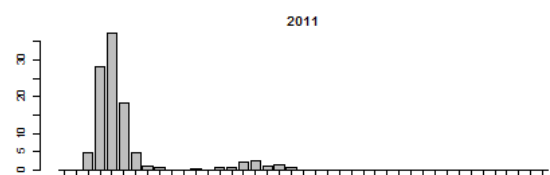
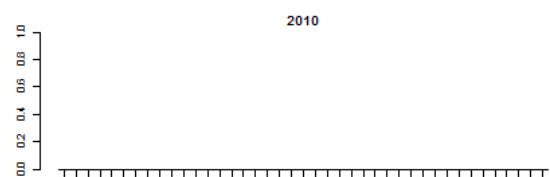
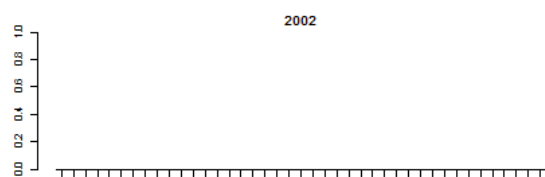
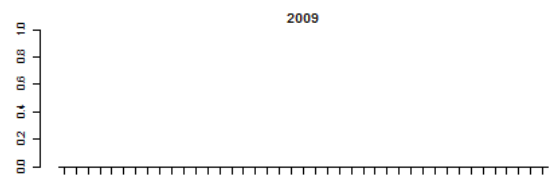
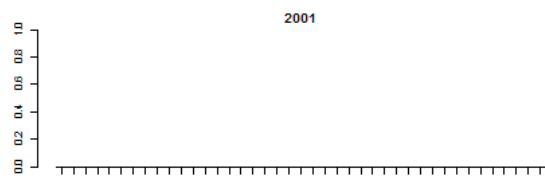
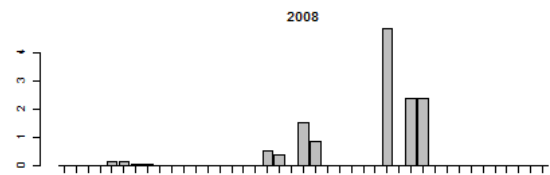
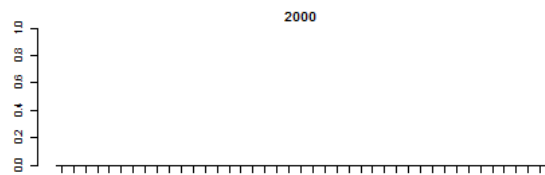
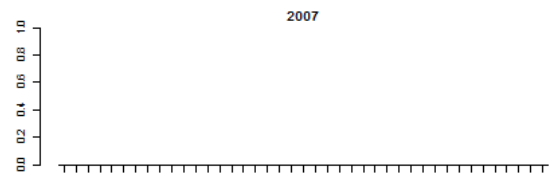
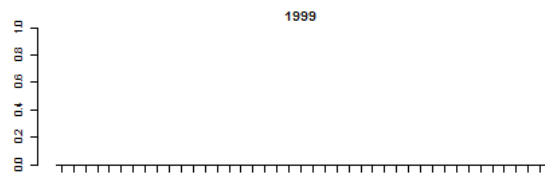
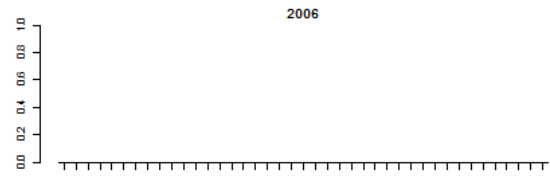
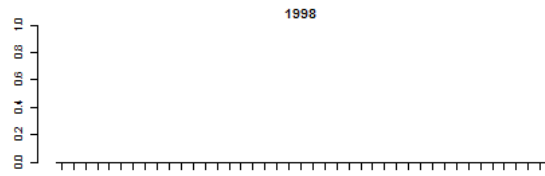
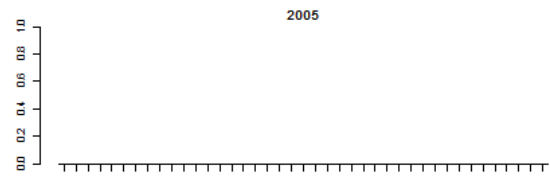
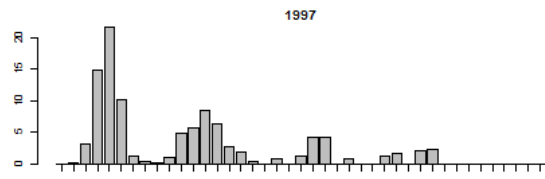
Rijn (bemonstering vanaf 1997)



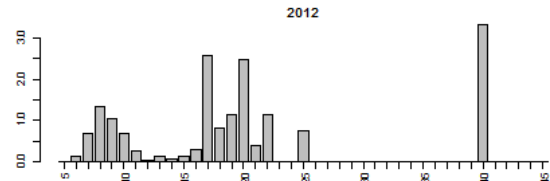
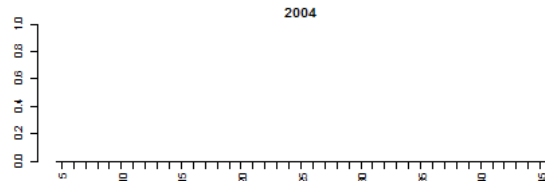
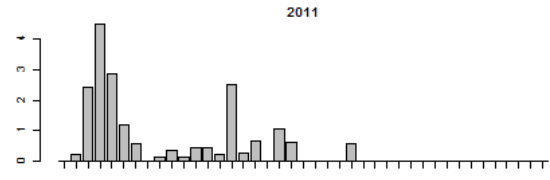
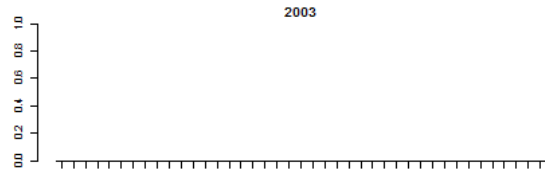
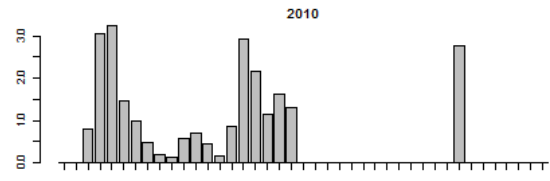
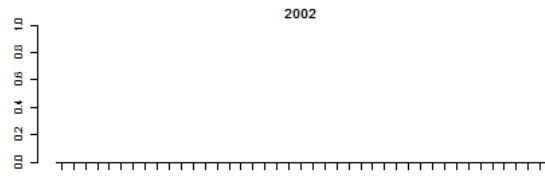
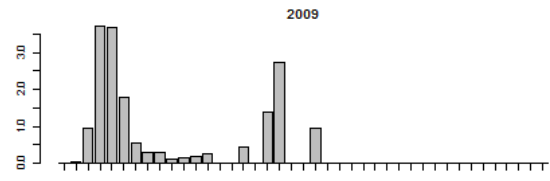
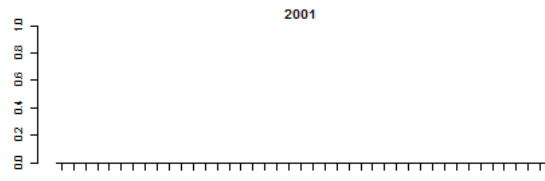
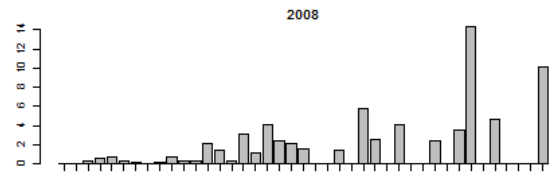
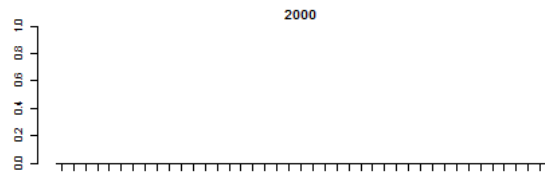
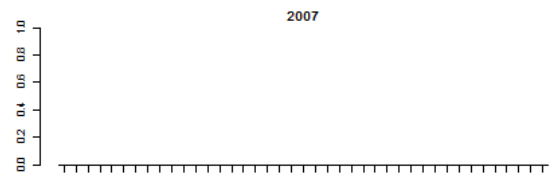
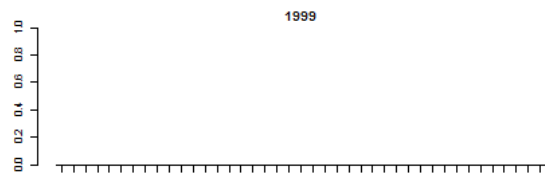
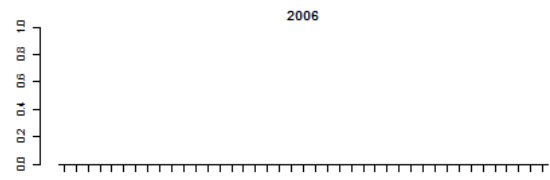
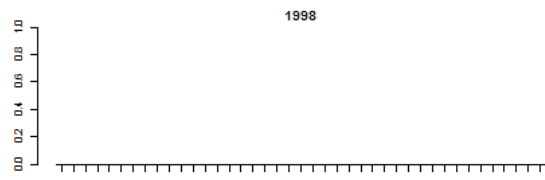
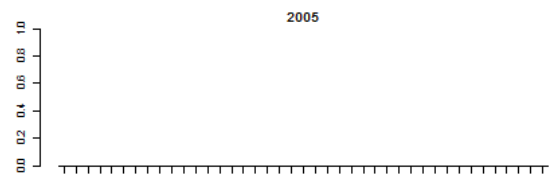
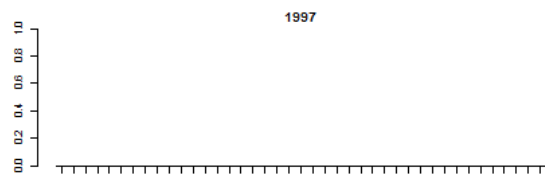
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)



Zandmaas (bemonstering vanaf 2008)

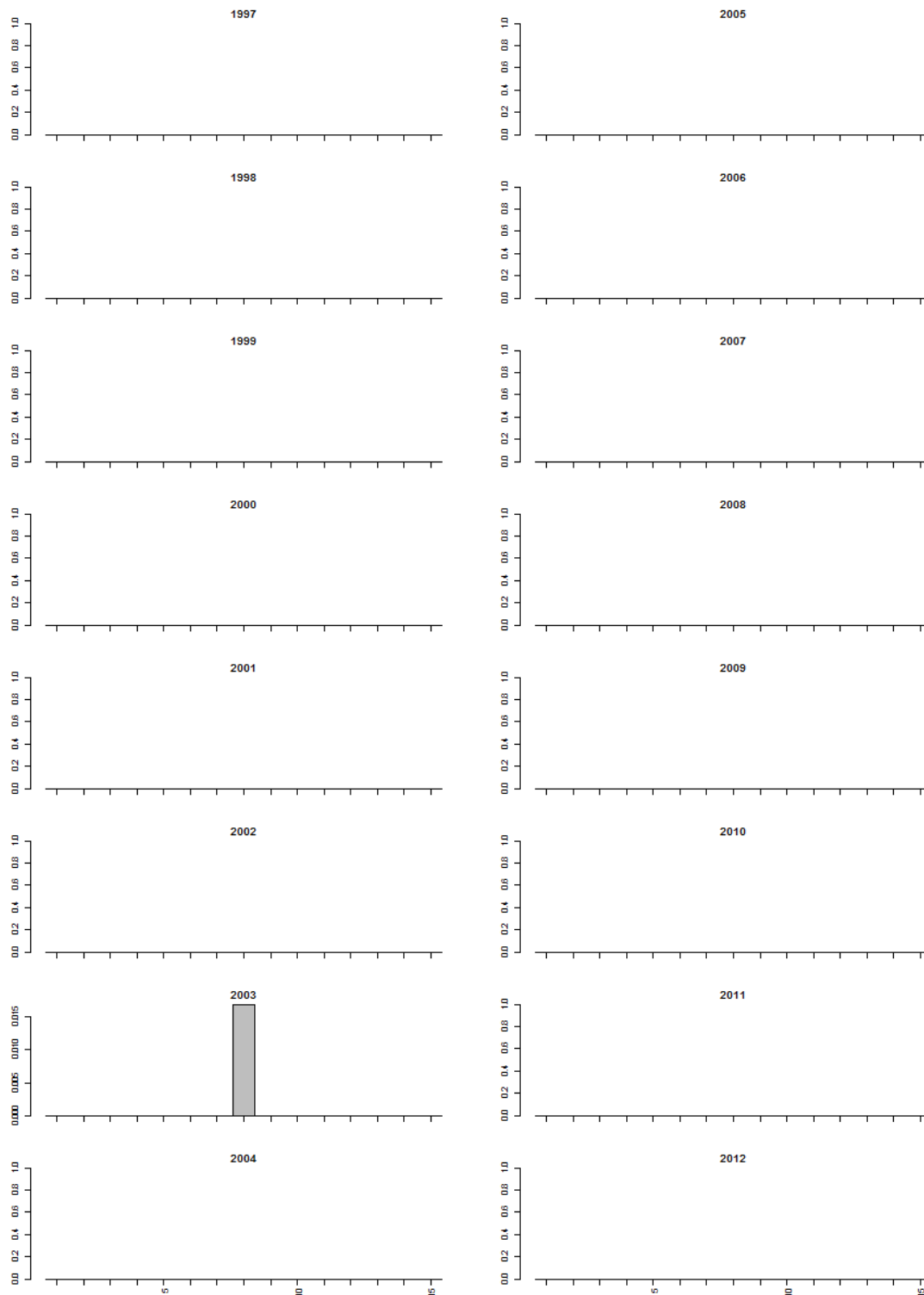


Figuur VII.4 BERPJE lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

Benedenloop Gelderse IJssel (bemonstering vanaf 1997)

Geen bermpje gevangen.

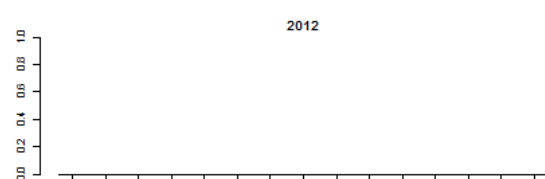
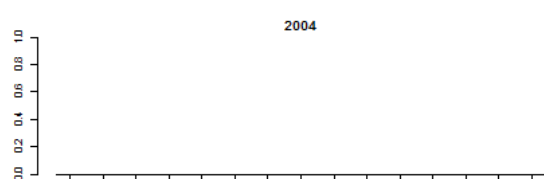
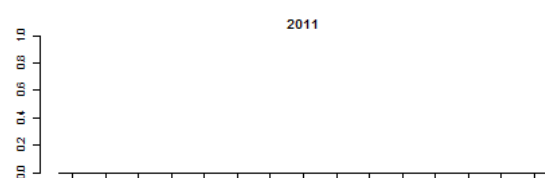
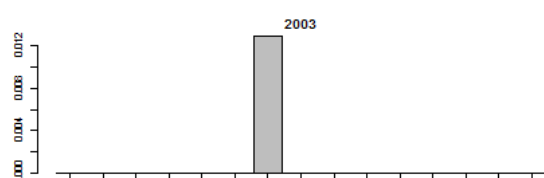
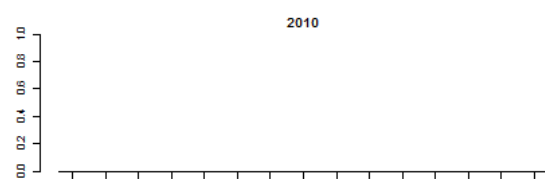
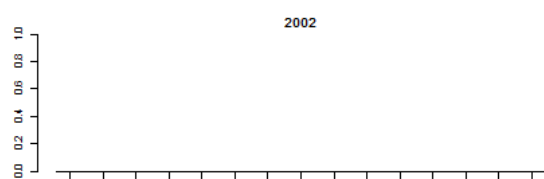
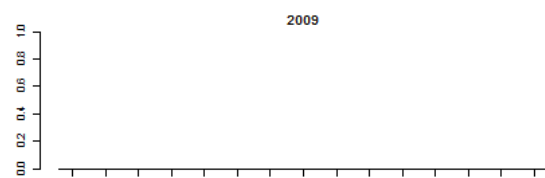
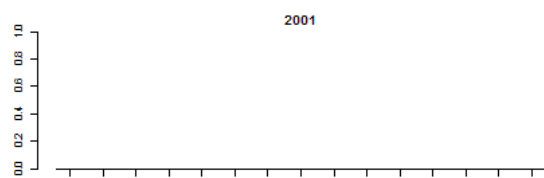
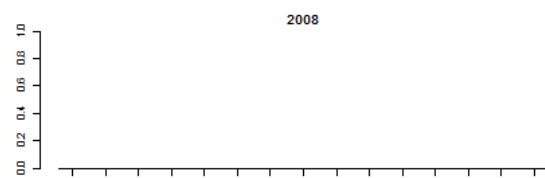
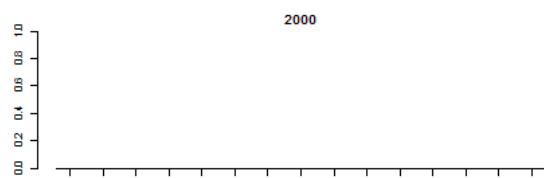
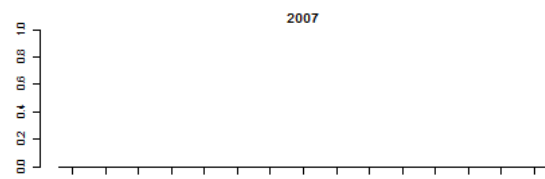
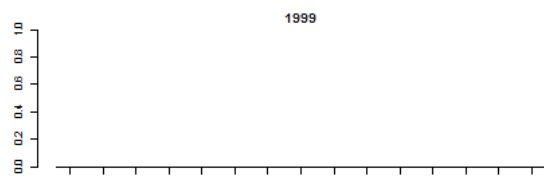
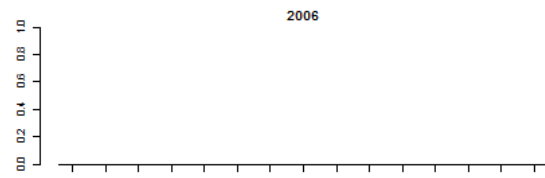
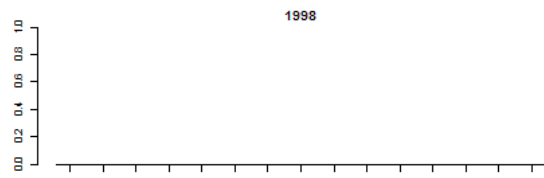
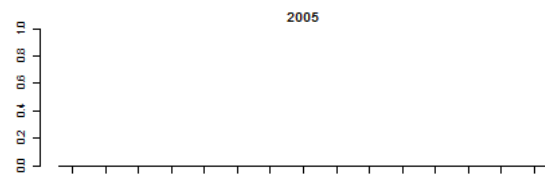
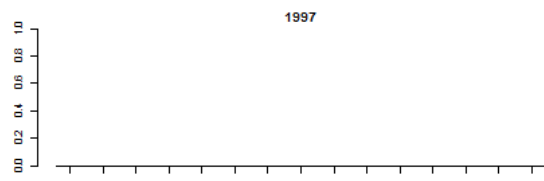
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



Bovenloop Nederrijn (bemonstering vanaf 1997)

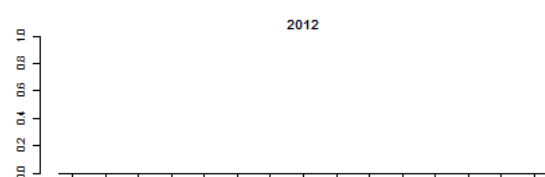
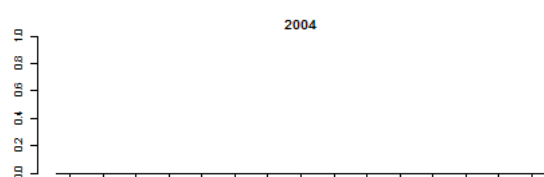
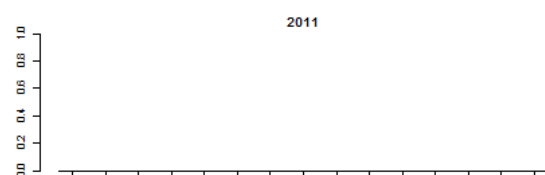
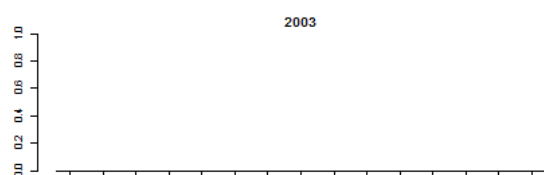
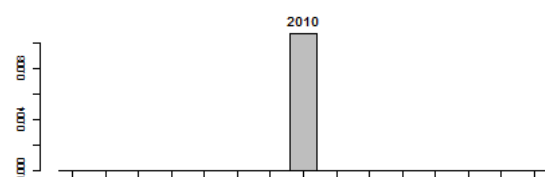
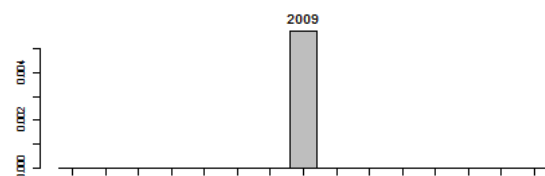
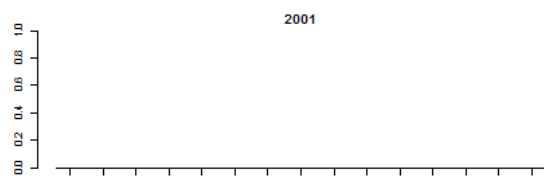
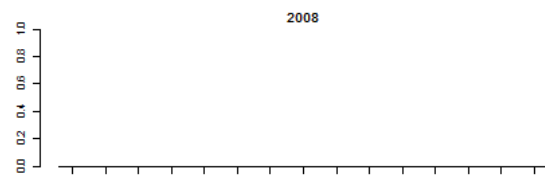
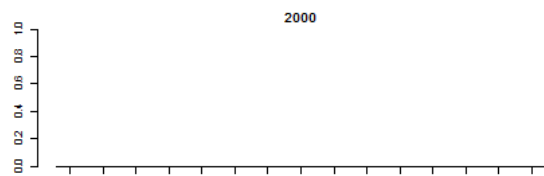
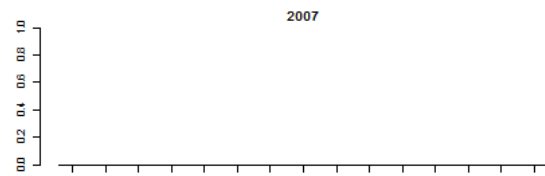
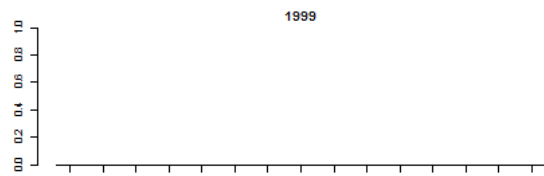
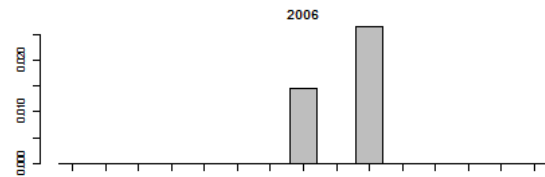
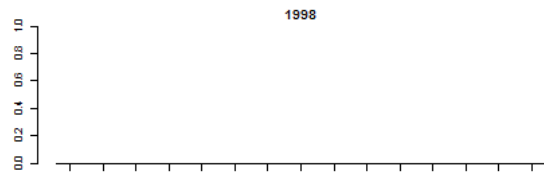
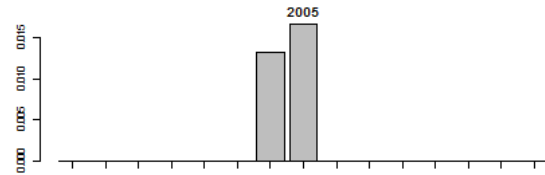
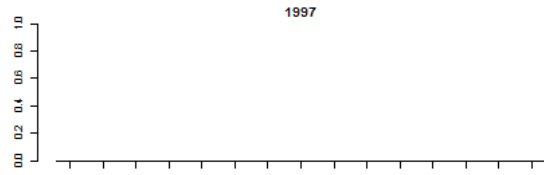
Geen berrmpje gevangen.

Bovenloop Waal (bemonstering vanaf 1997)

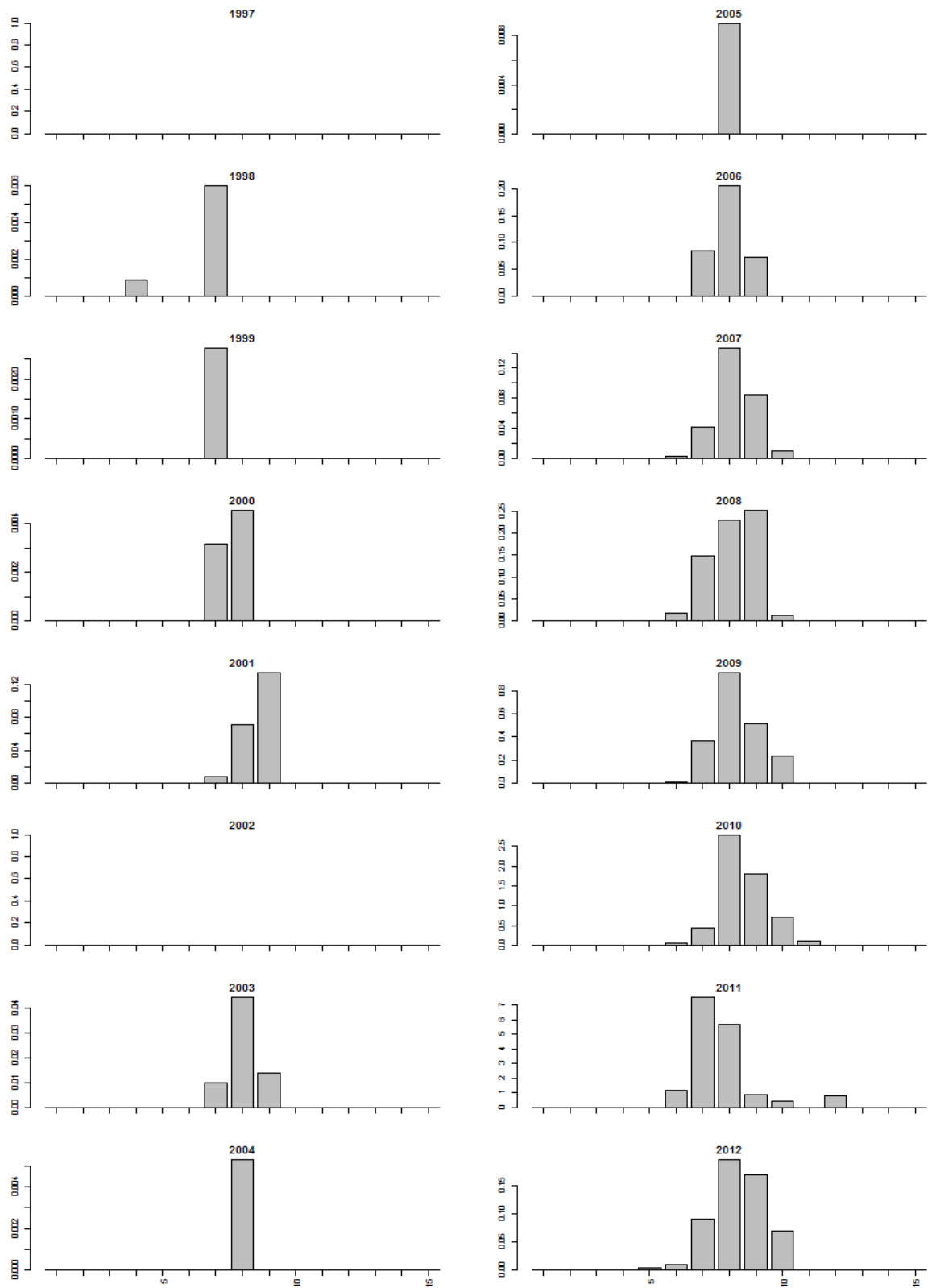


Getijden Lek (bemonstering vanaf 1998). Geen biermpje gevangen.

Getijden Maas (bemonstering vanaf 1998)



Grensmaas (bemonstering vanaf 1997)



Grevelingen (alleen bemonsterd in 2008 en 2011). Geen bermpje gevangen.

Hollands diep (bemonstering vanaf 1997). Geen bermpje gevangen.

Nieuwe Merwede (bemonstering vanaf 1997). Geen bermpje gevangen.

Noordzeekanaal (alleen bemonsterd in 2009 en 2012) . Geen bermpje gevangen.

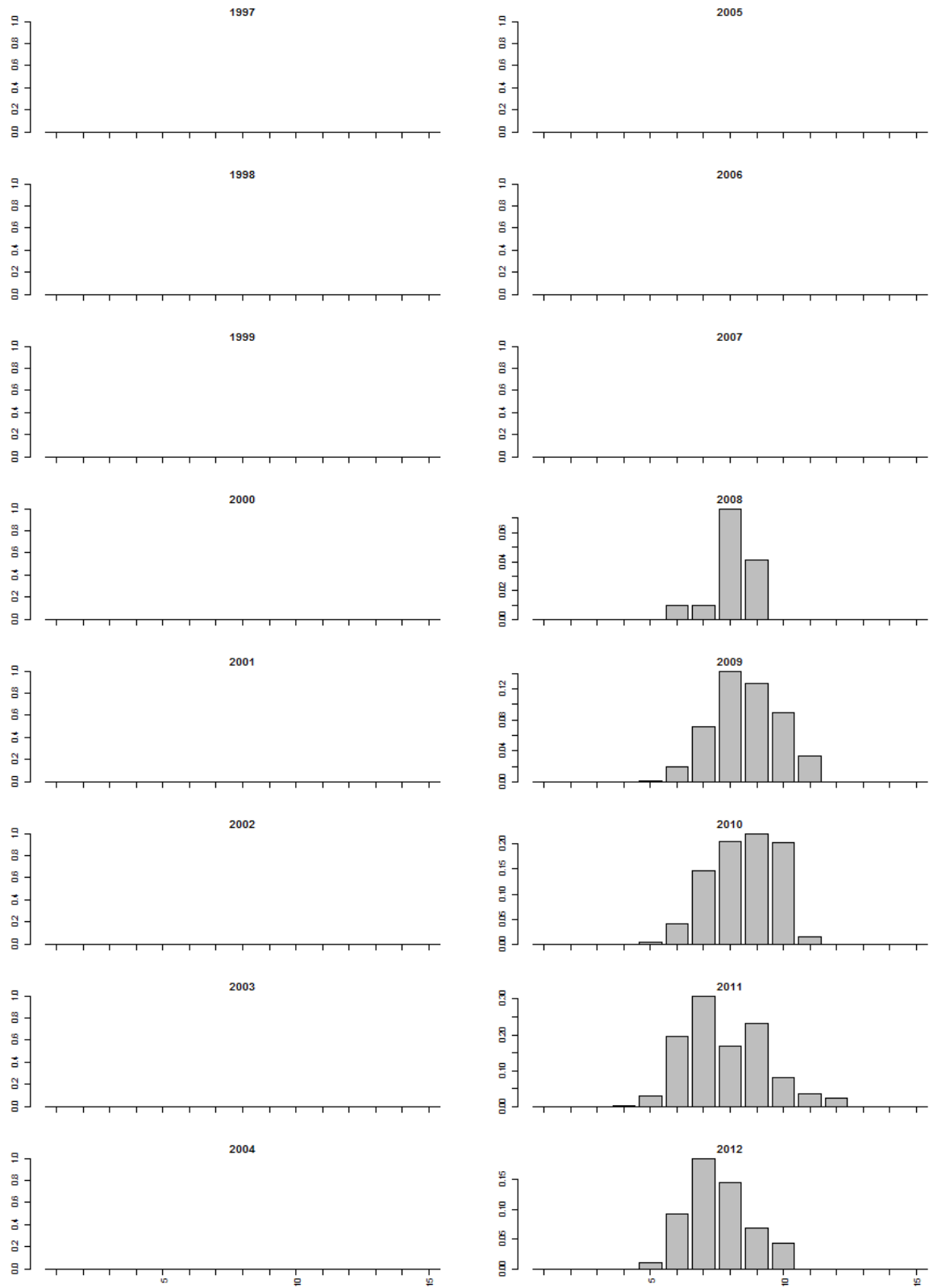
Oude Maas (bemonstering vanaf 1997). Geen bermpje gevangen.

Rijn (bemonstering vanaf 1997). Geen bermpje gevangen.

Twentekanaal (alleen bemonsterd in 2009) . Geen bermpje gevangen.

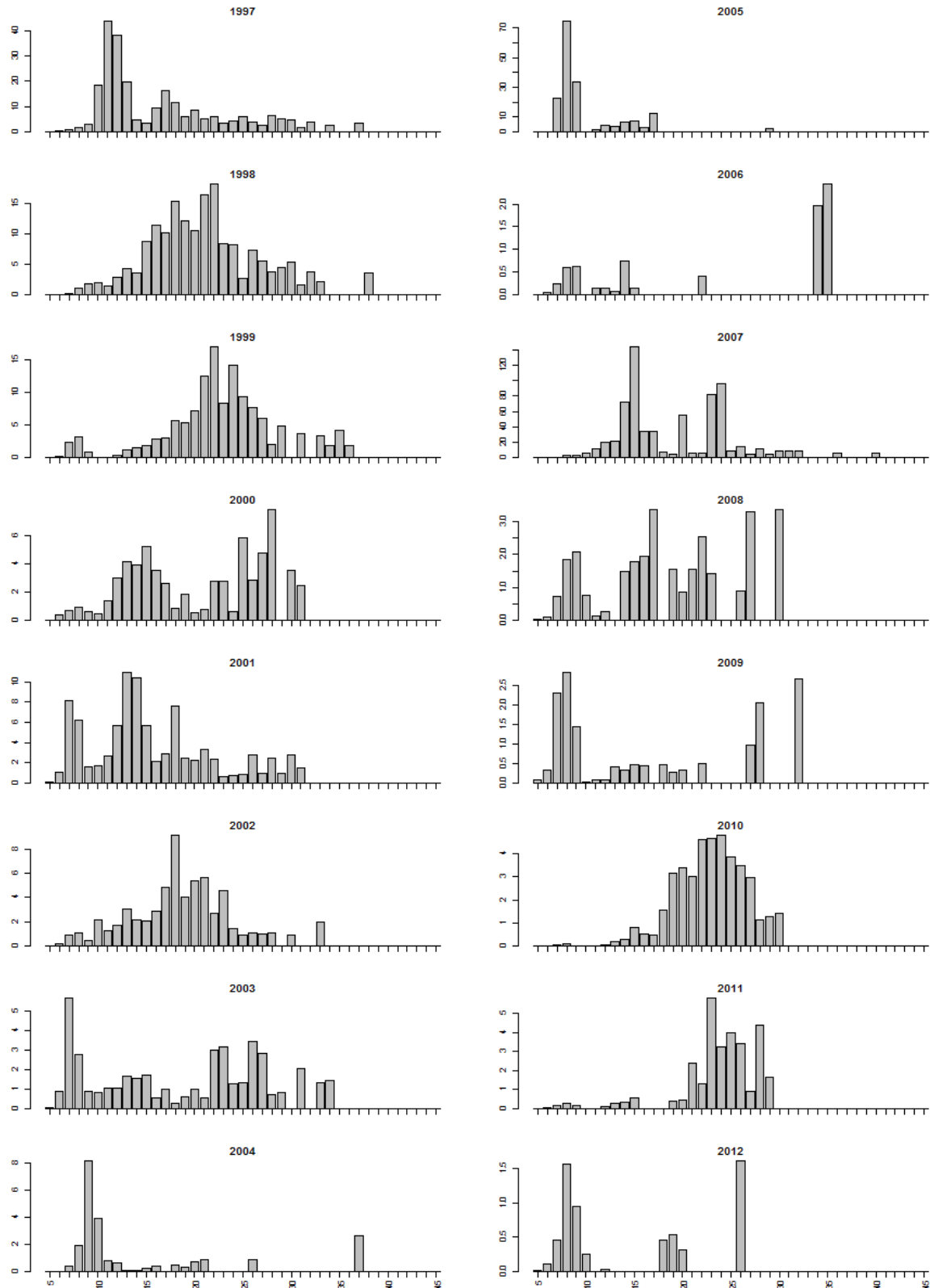
Volkerak (alleen bemonsterd in 1997, 2008, 2011) . Geen bermpje gevangen.

Zandmaas (bemonstering vanaf 2008)

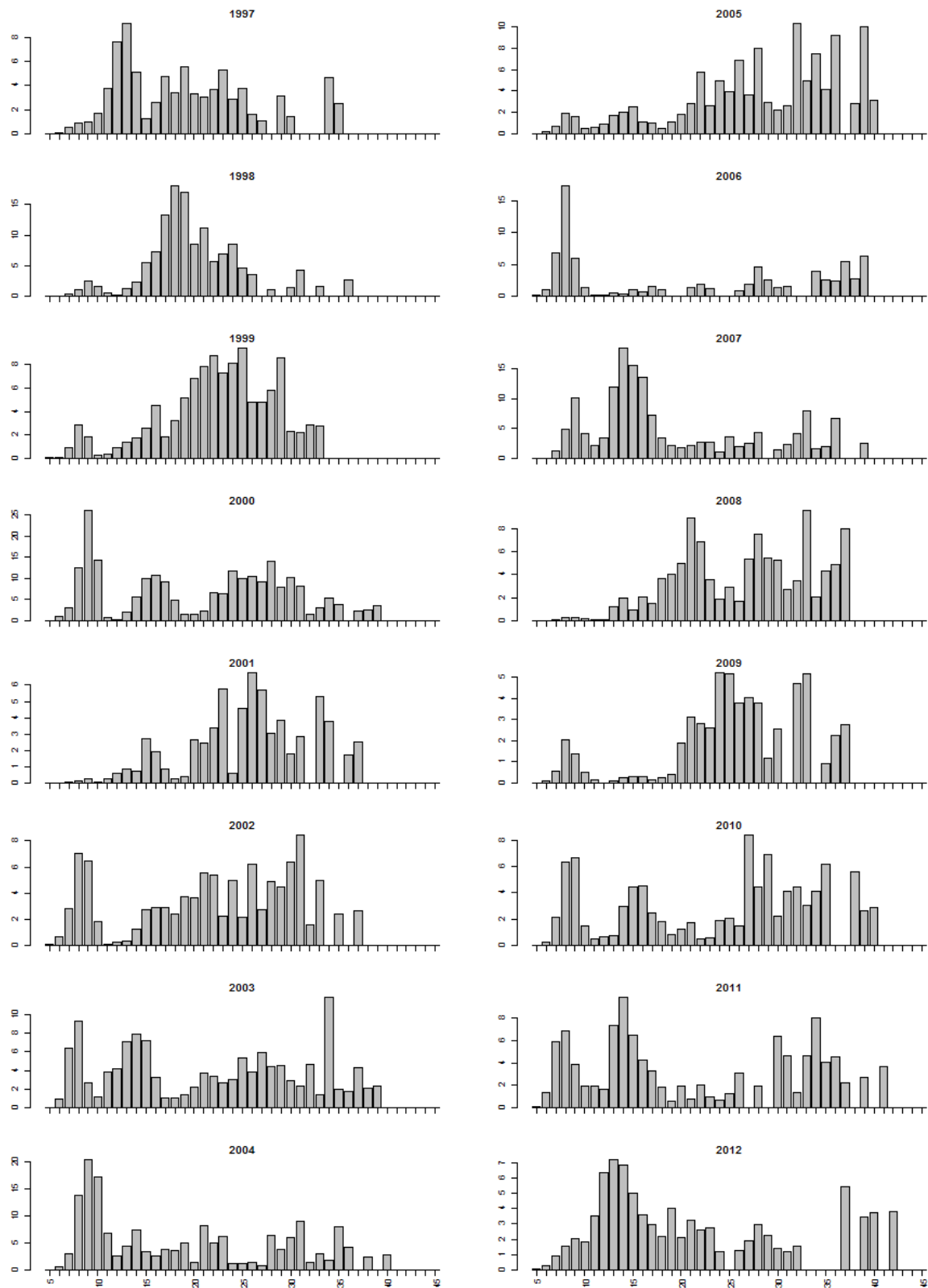


Figuur VII.5 Blankvoorn lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

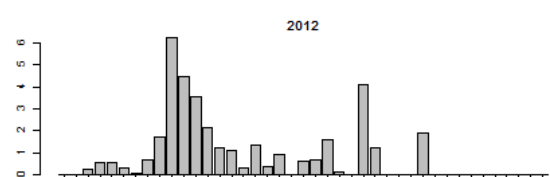
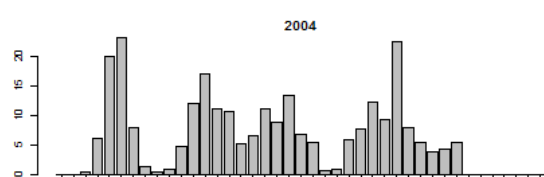
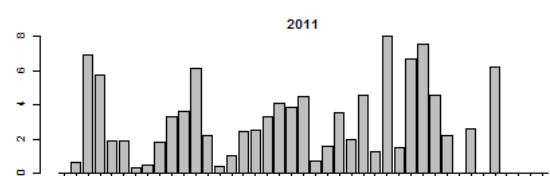
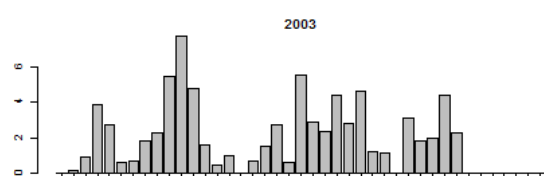
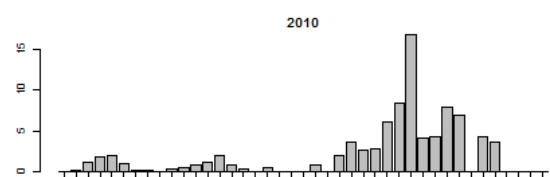
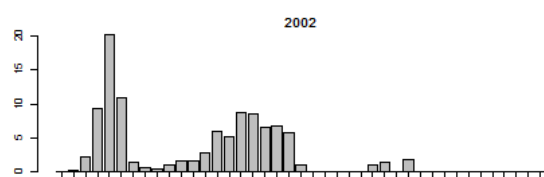
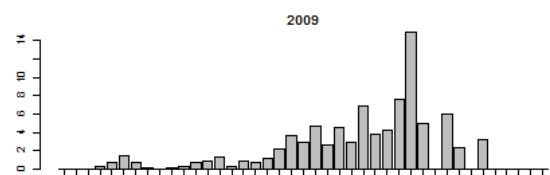
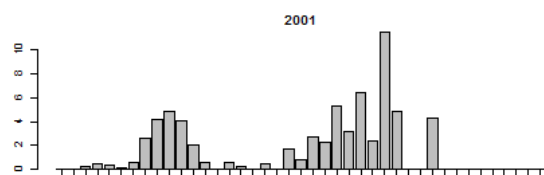
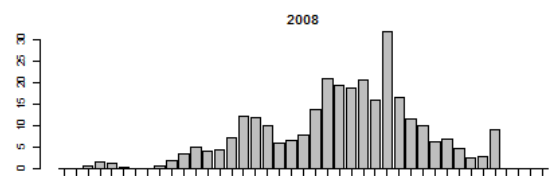
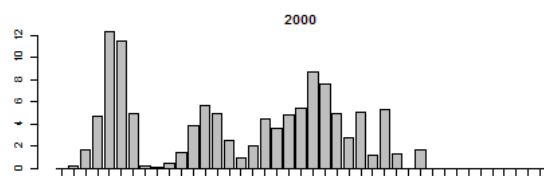
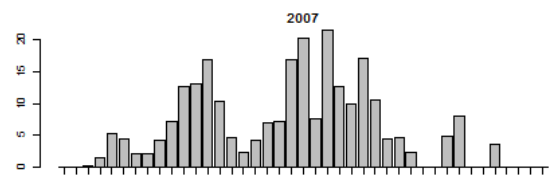
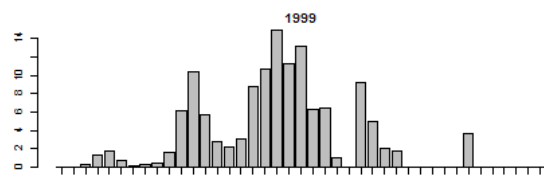
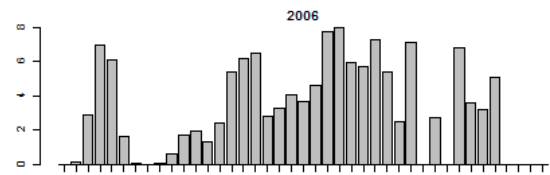
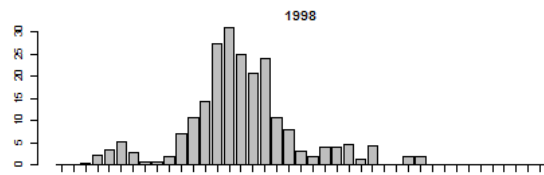
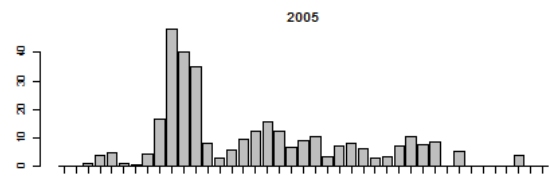
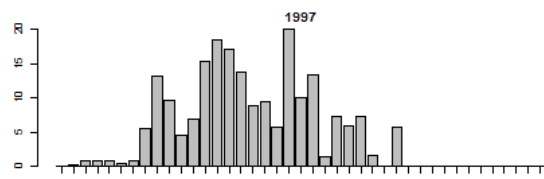
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



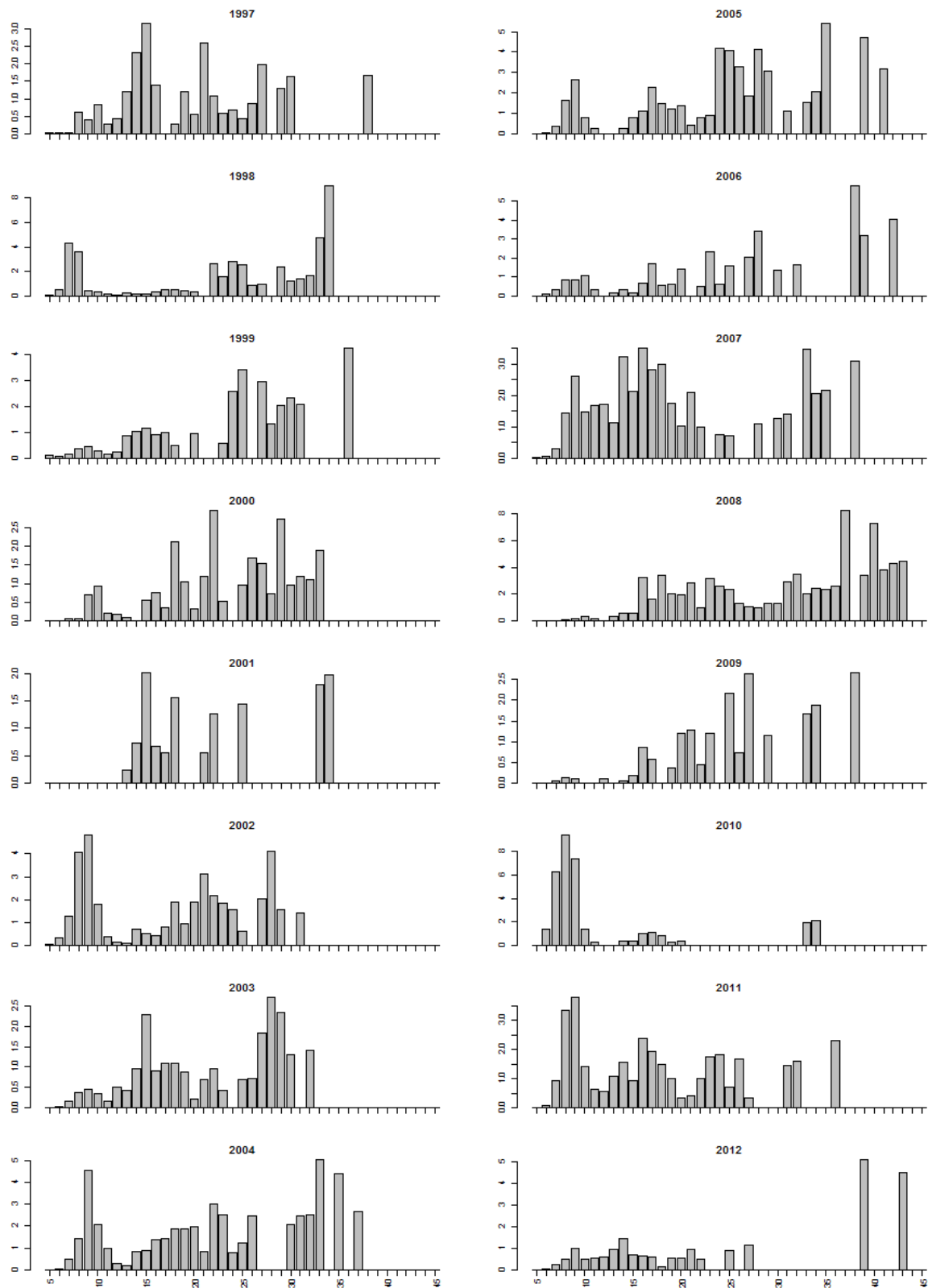
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



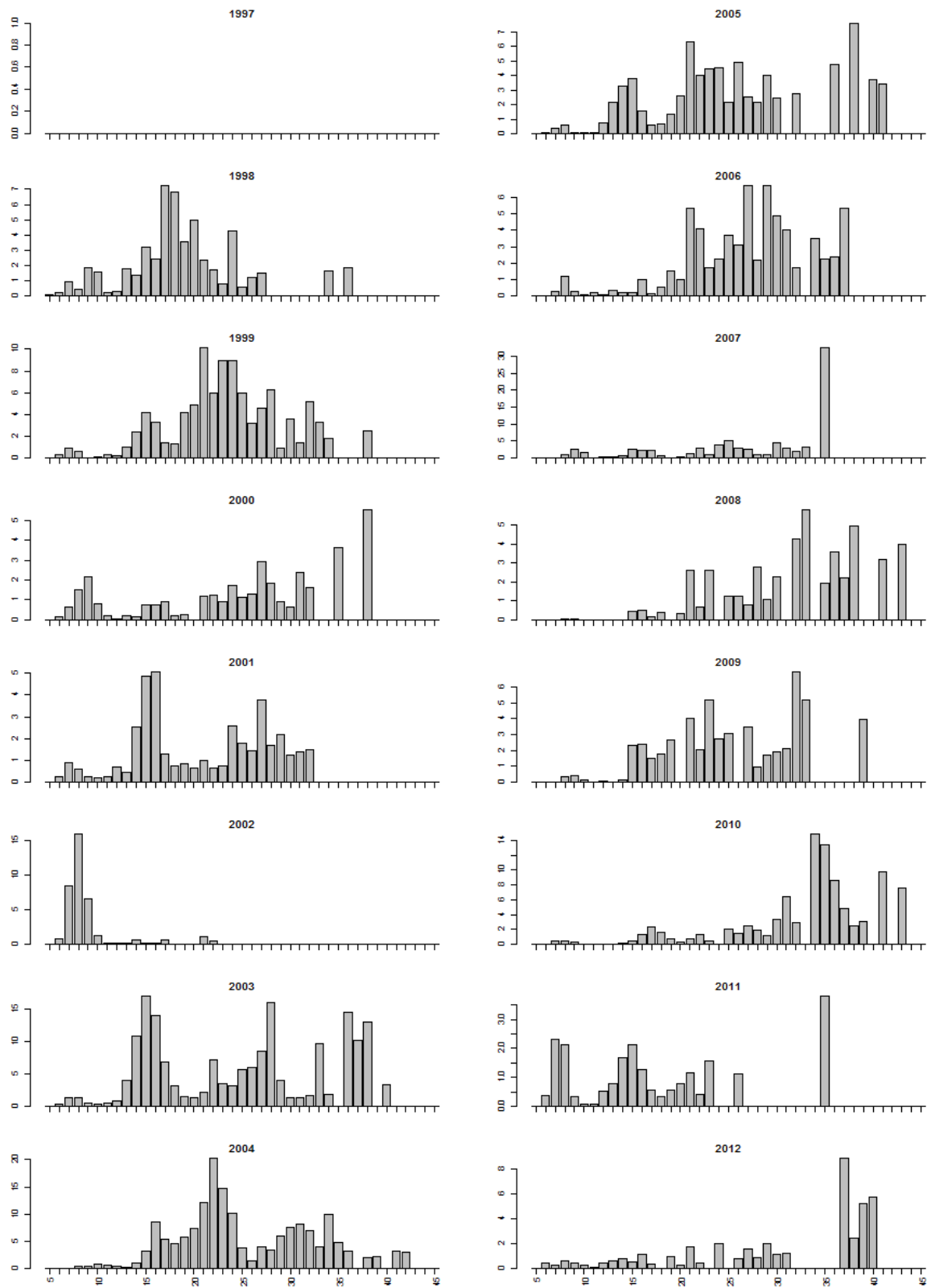
Bovenloop Nederrijn (bemonstering vanaf 1997)



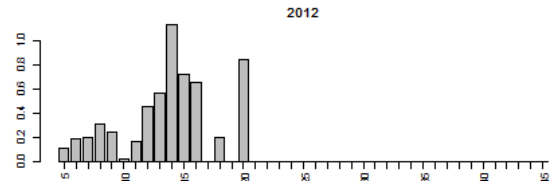
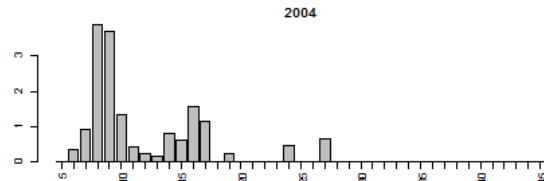
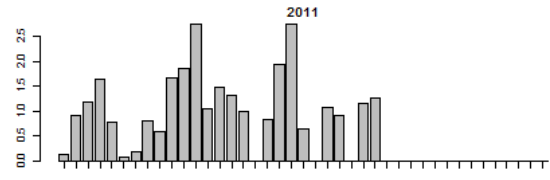
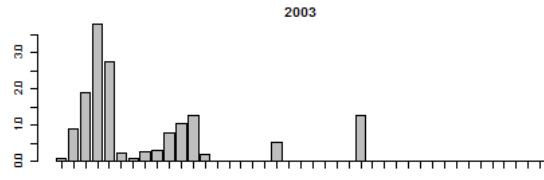
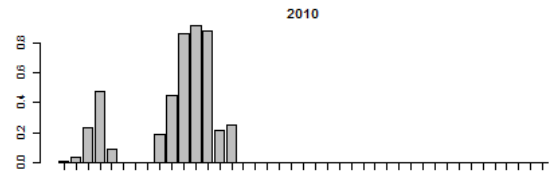
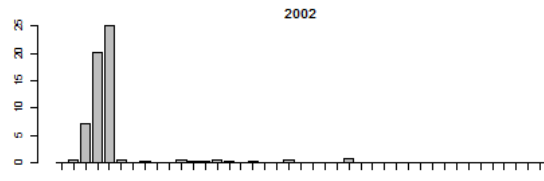
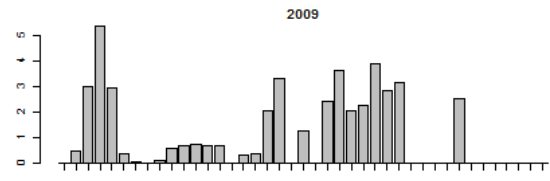
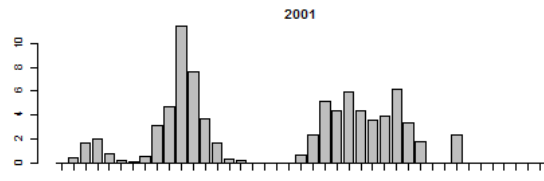
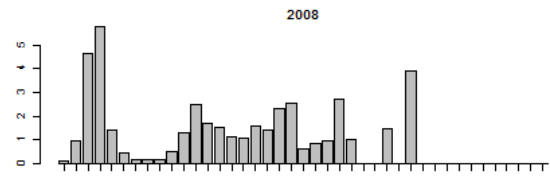
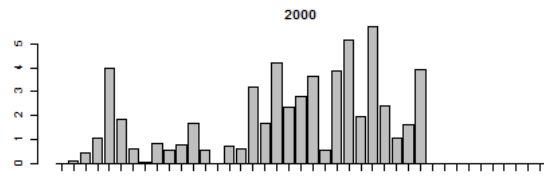
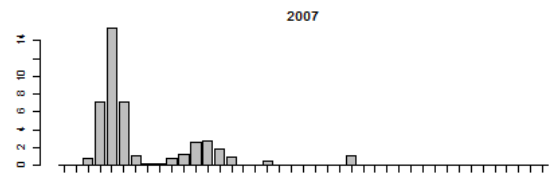
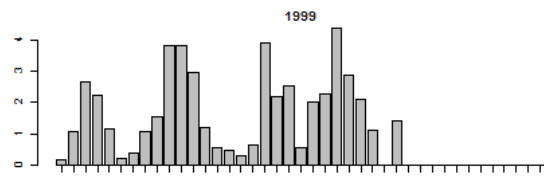
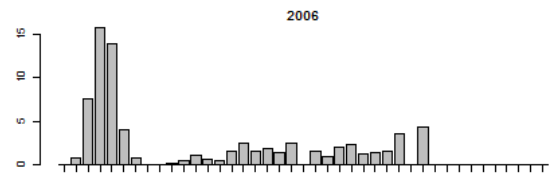
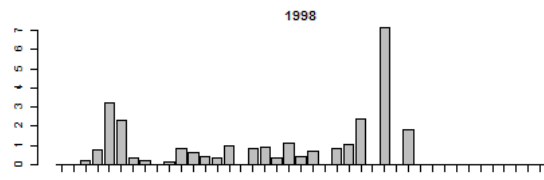
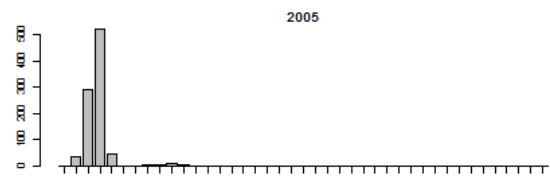
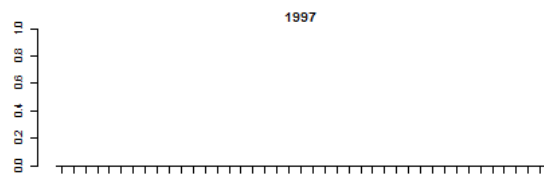
Bovenloop Waal (bemonstering vanaf 1997)



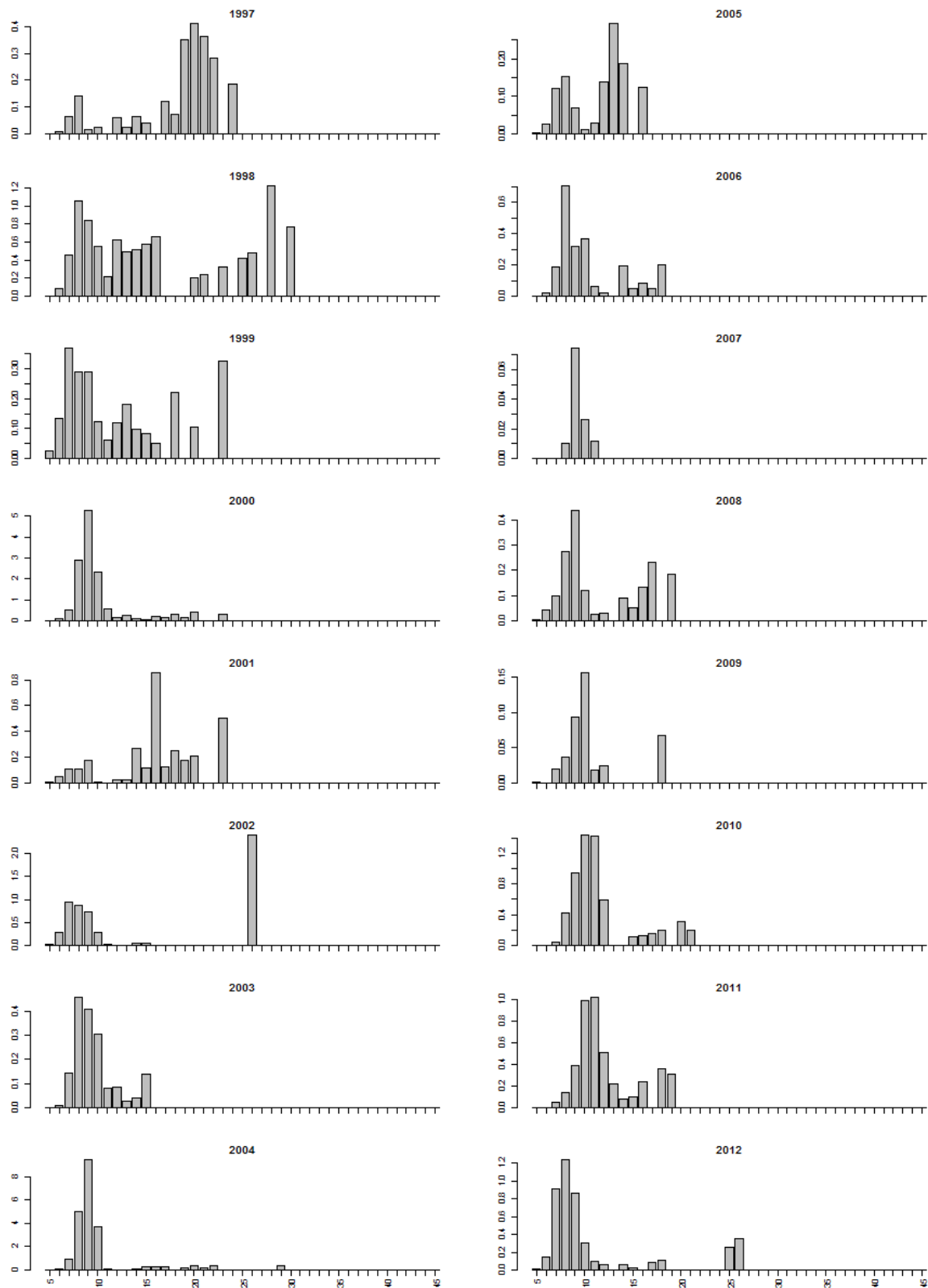
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

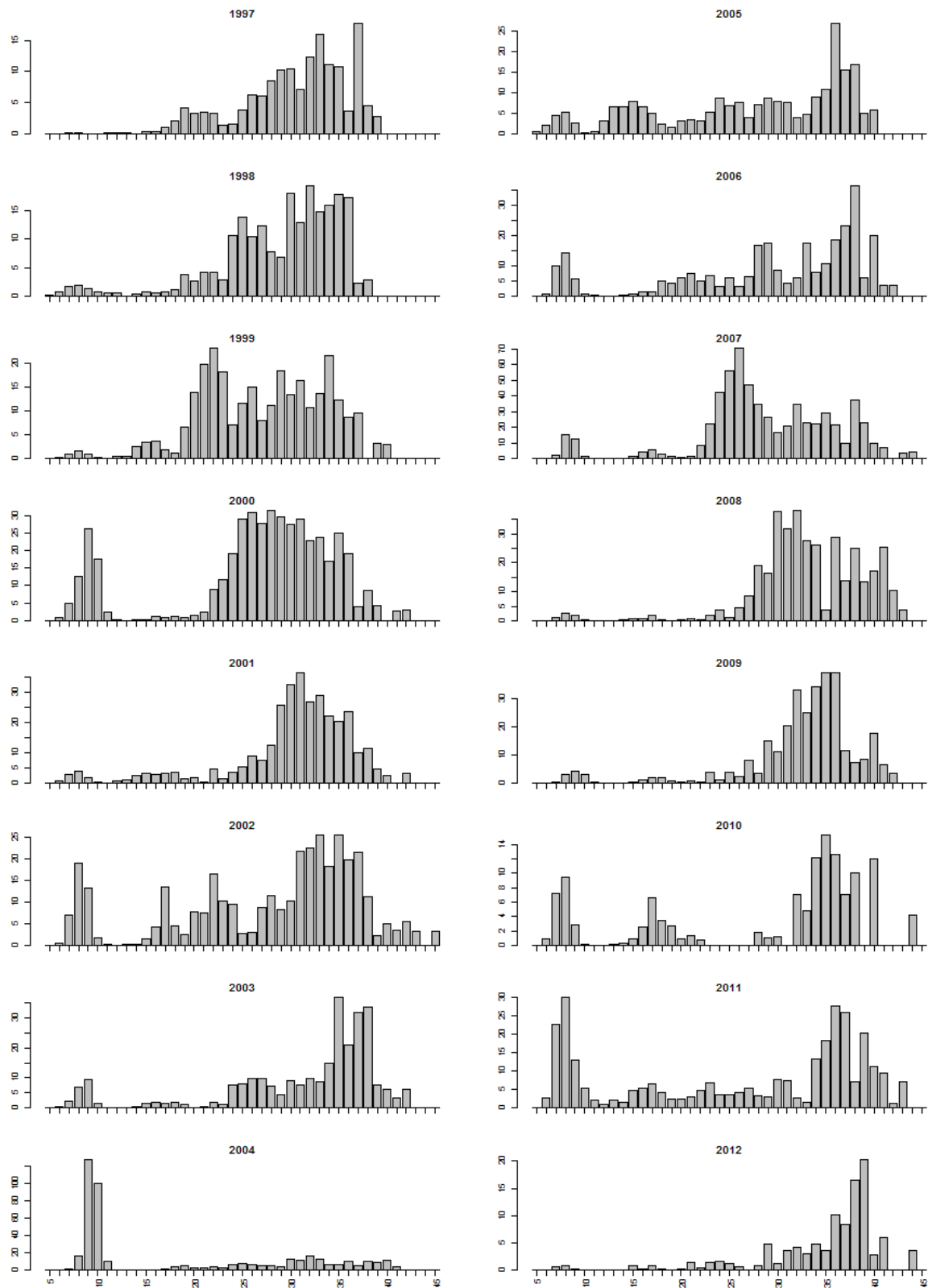


Grensmaas (bemonstering vanaf 1997)

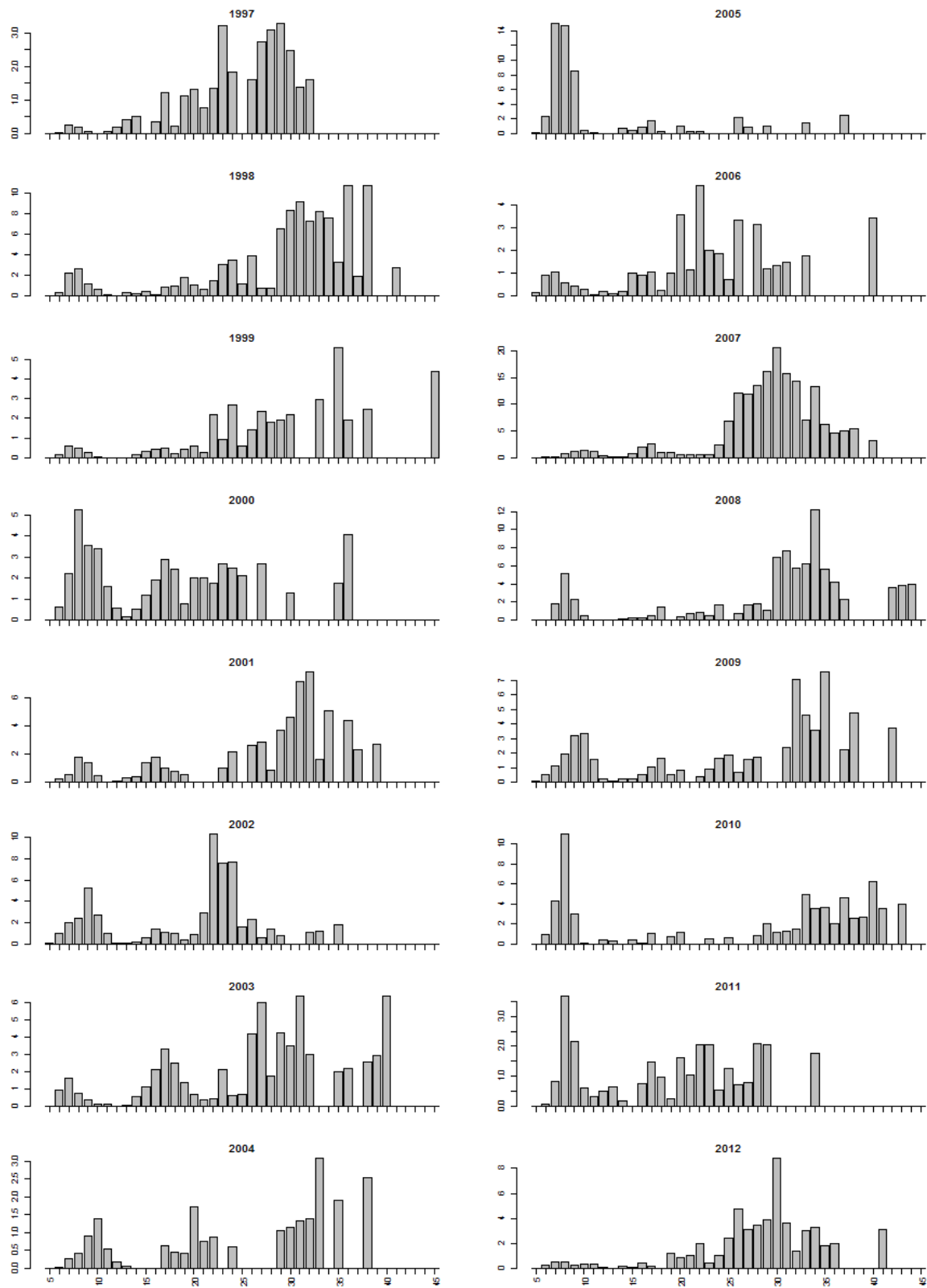


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen blankvoorn gevangen.

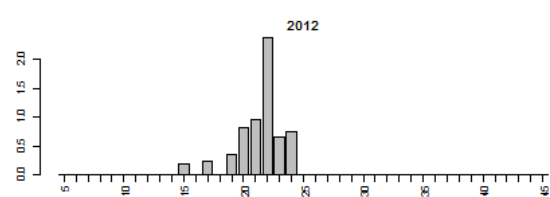
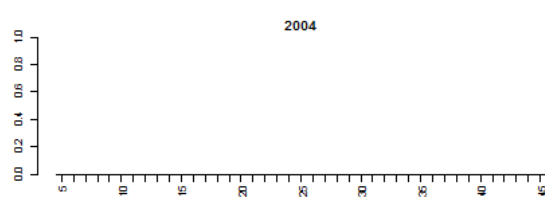
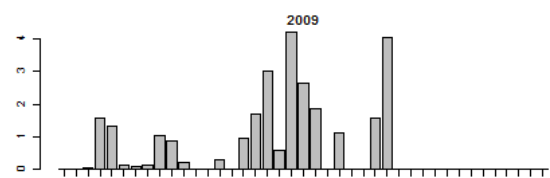
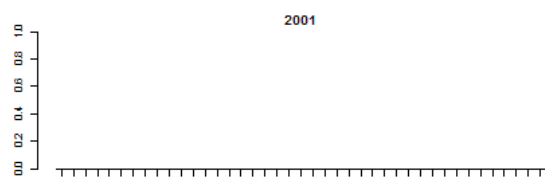
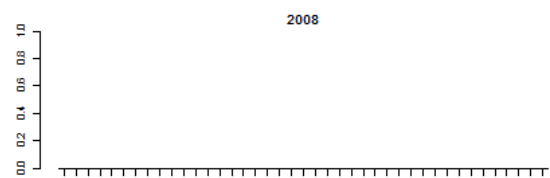
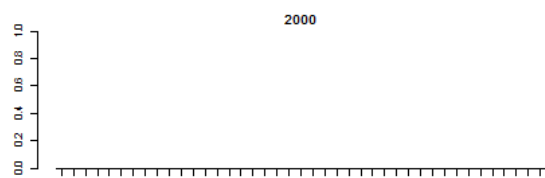
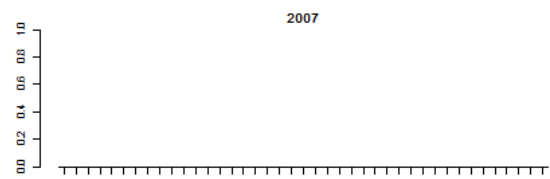
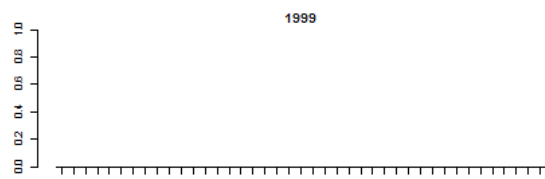
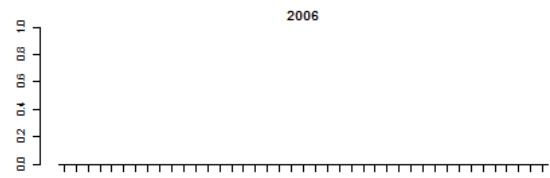
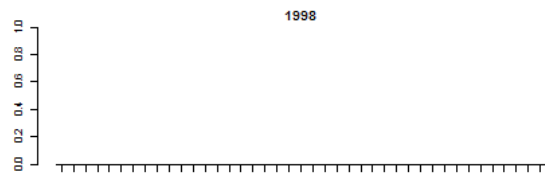
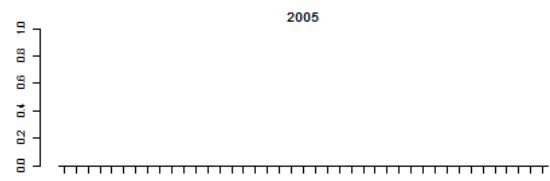
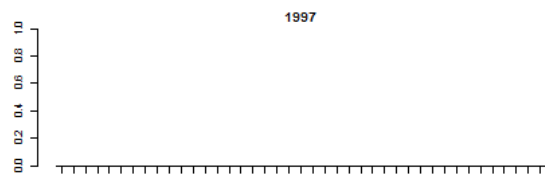
Hollands diep (bemonstering vanaf 1997)



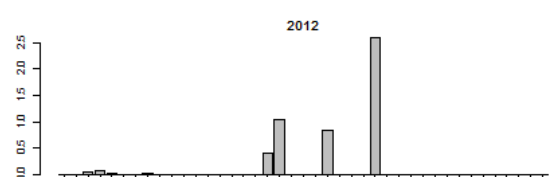
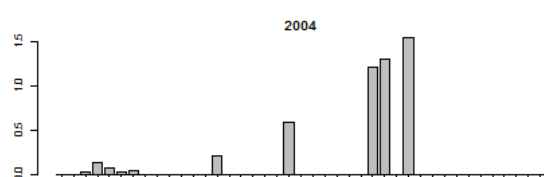
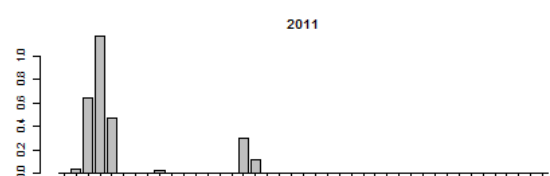
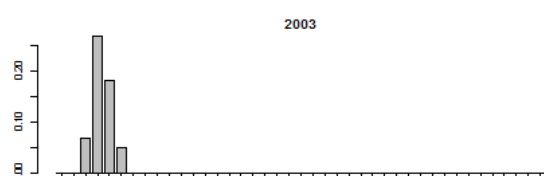
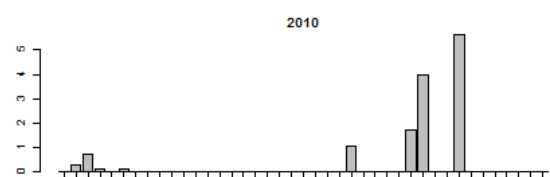
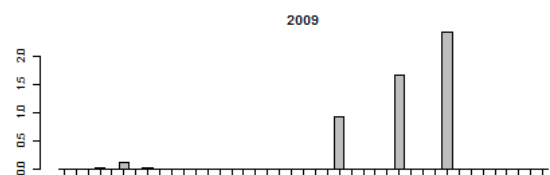
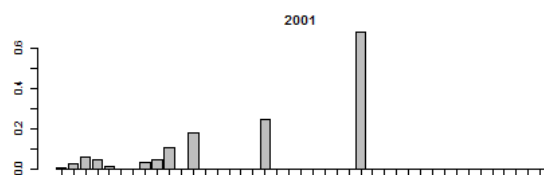
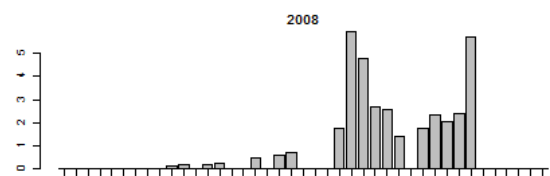
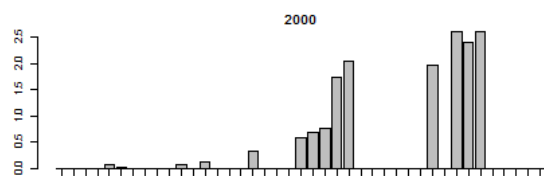
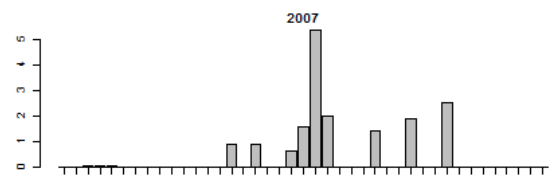
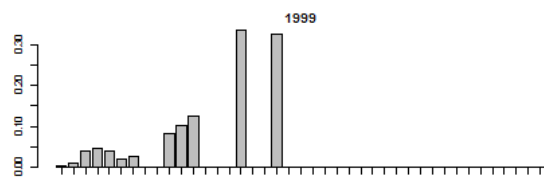
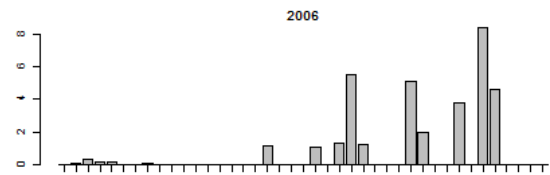
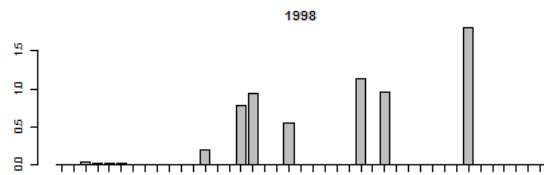
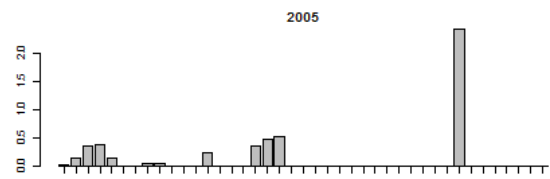
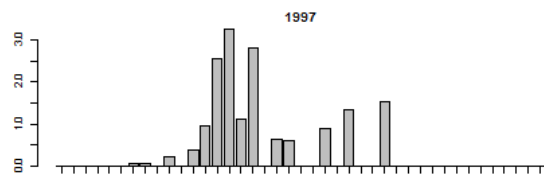
Nieuwe Merwede (bemonstering vanaf 1997)



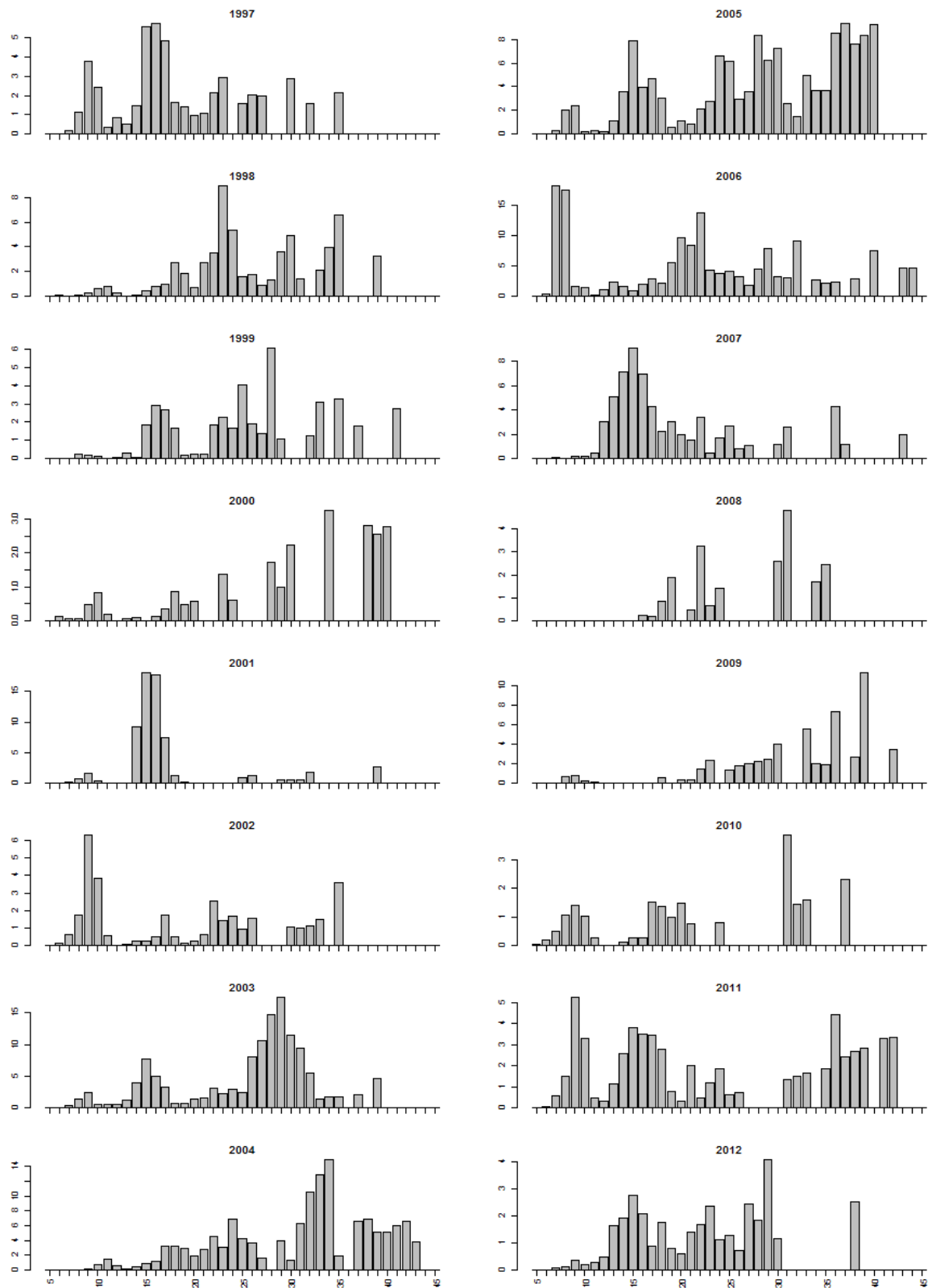
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



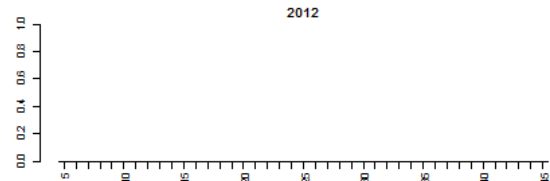
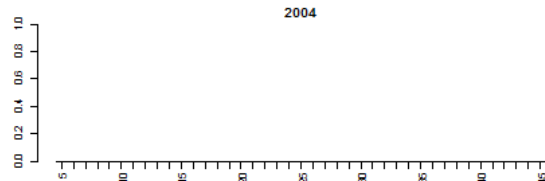
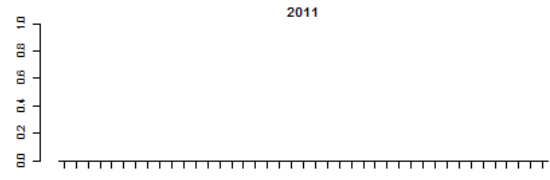
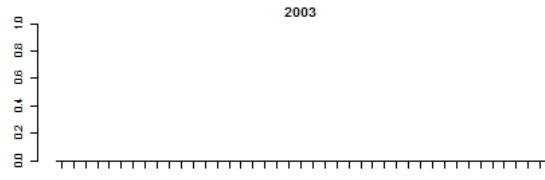
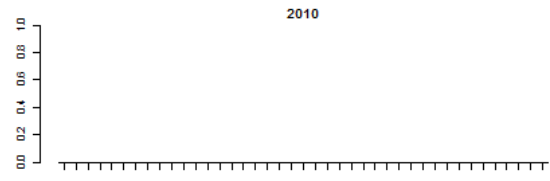
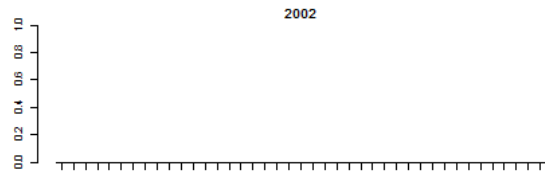
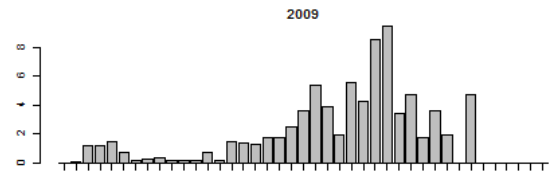
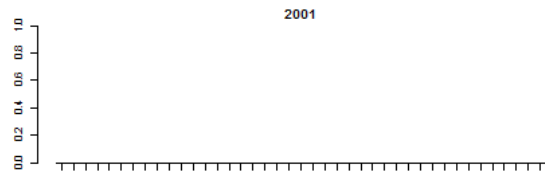
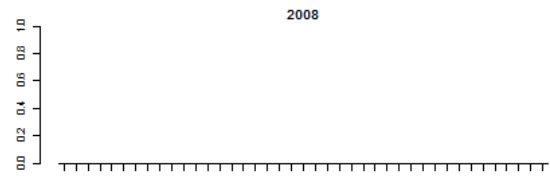
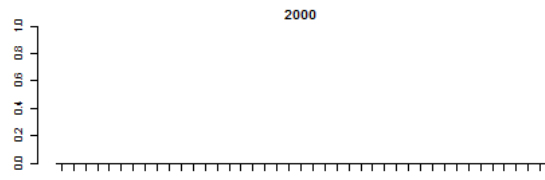
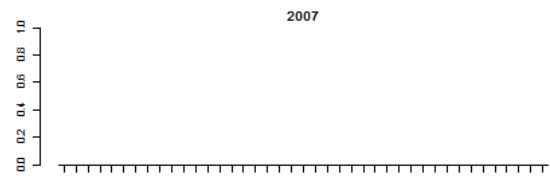
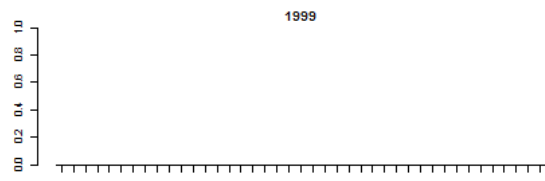
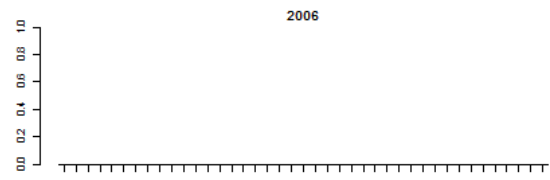
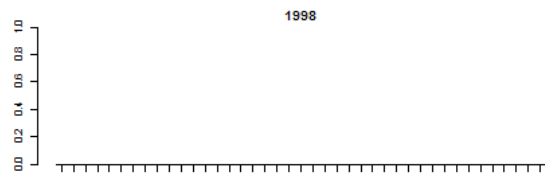
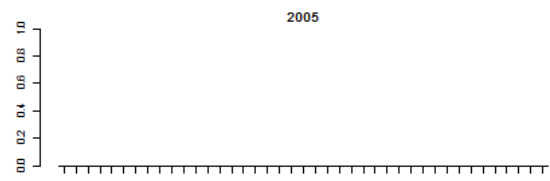
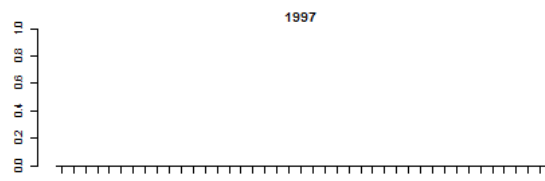
Oude Maas (bemonstering vanaf 1997)



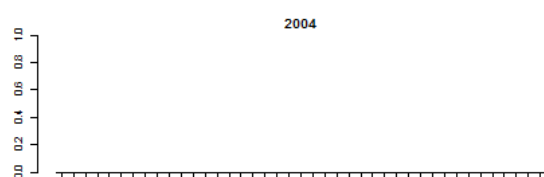
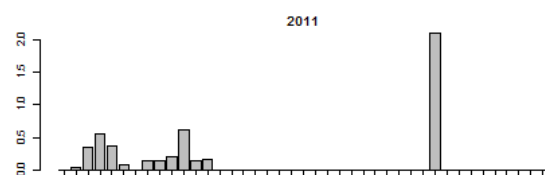
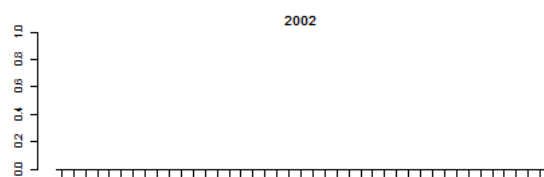
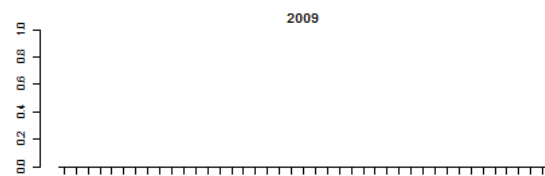
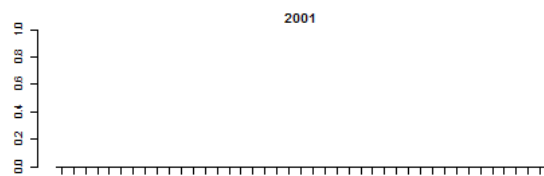
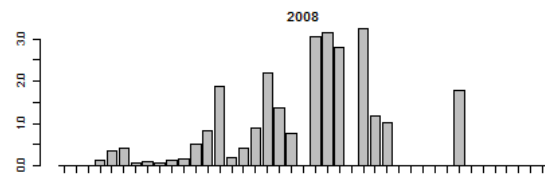
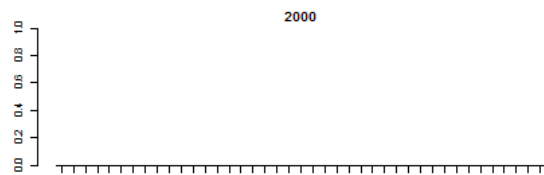
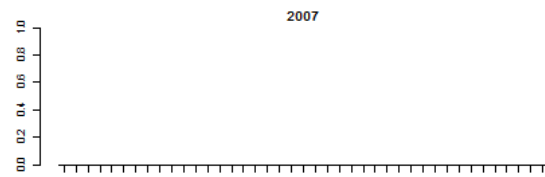
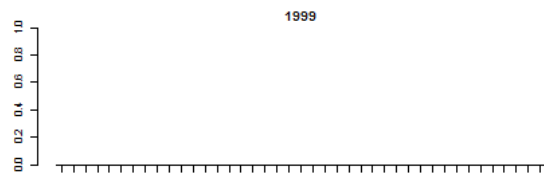
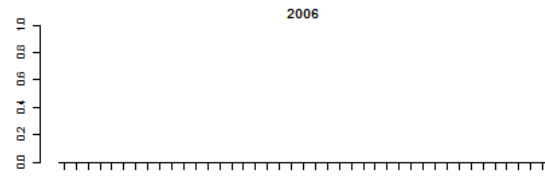
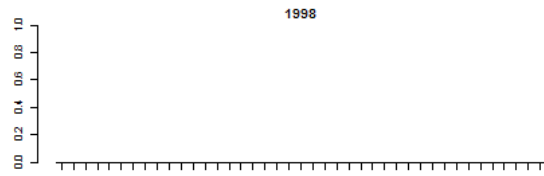
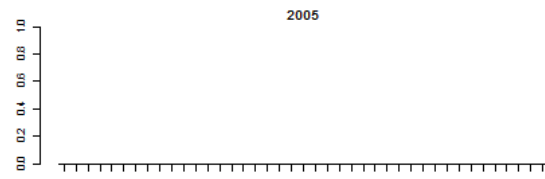
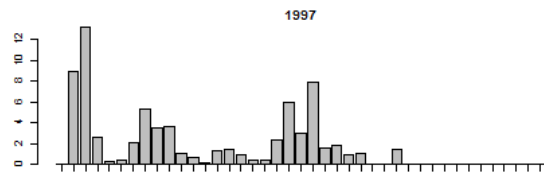
Rijn (bemonstering vanaf 1997)



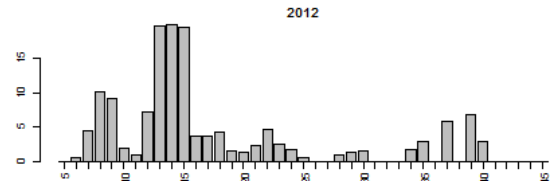
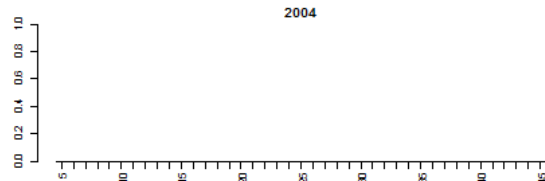
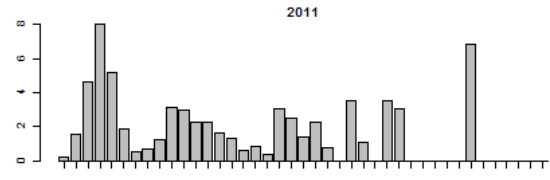
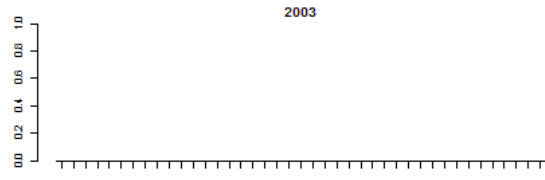
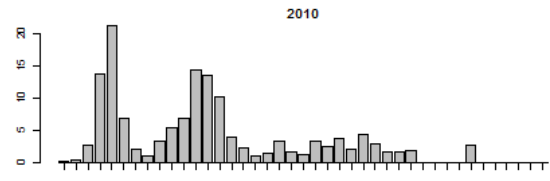
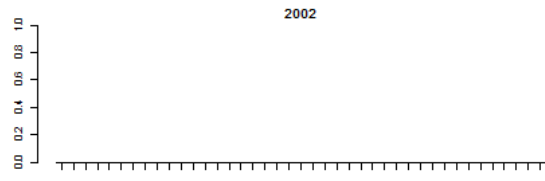
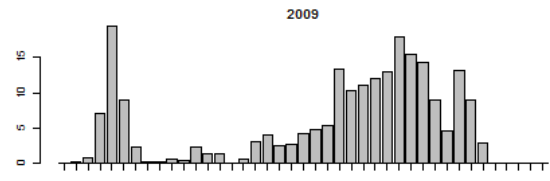
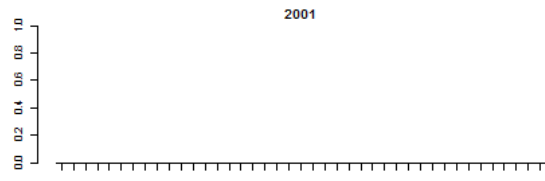
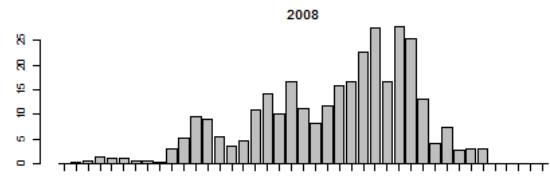
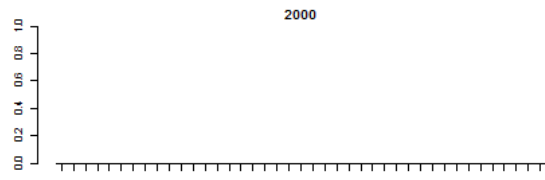
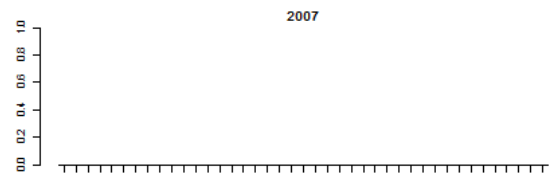
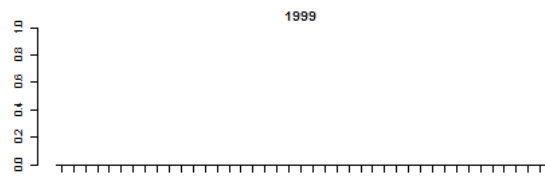
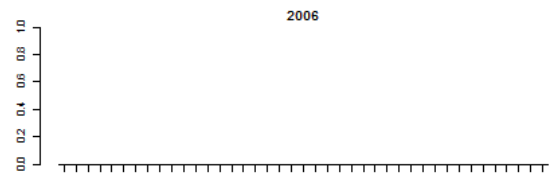
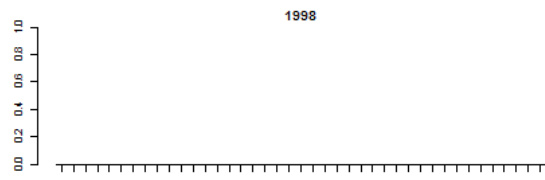
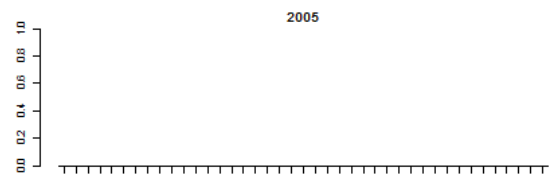
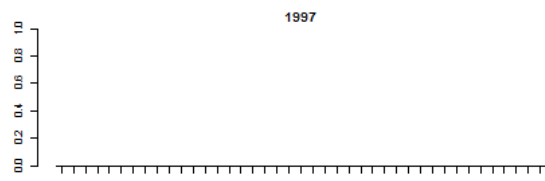
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

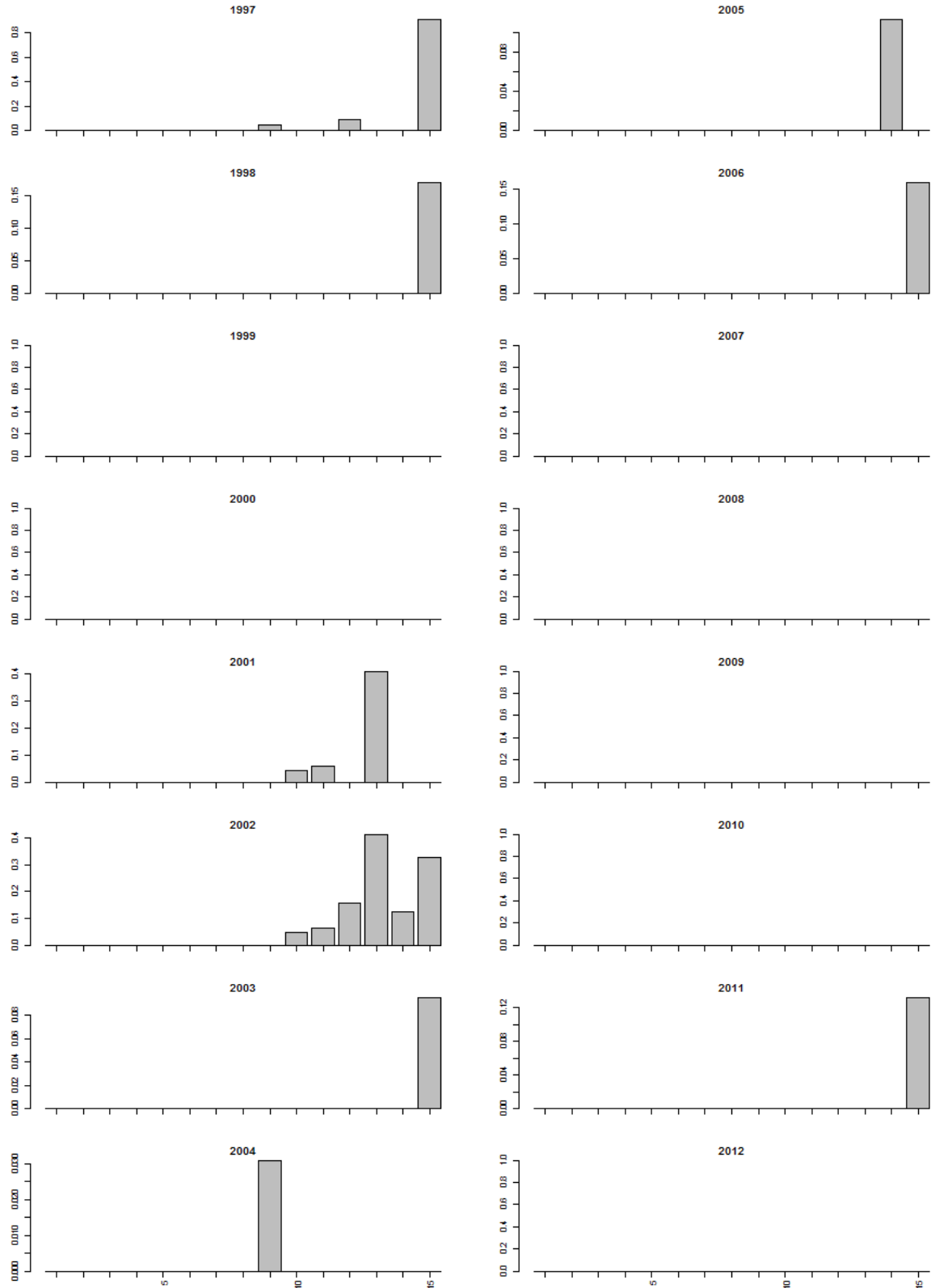


Zandmaas (bemonstering vanaf 2008)

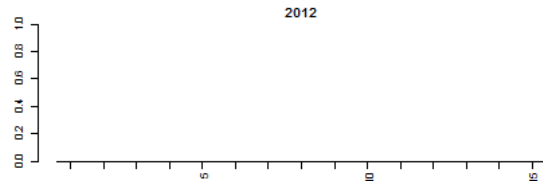
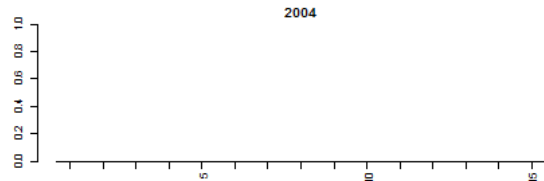
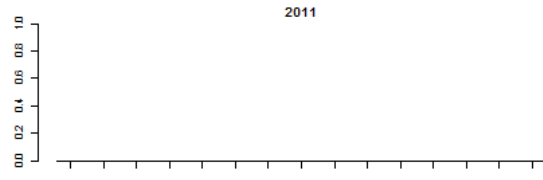
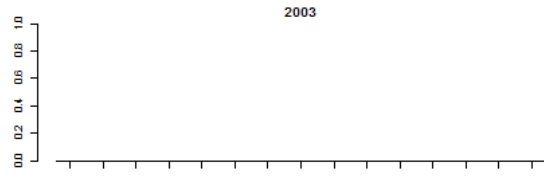
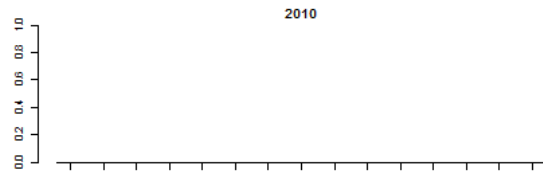
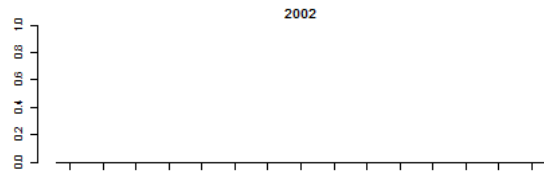
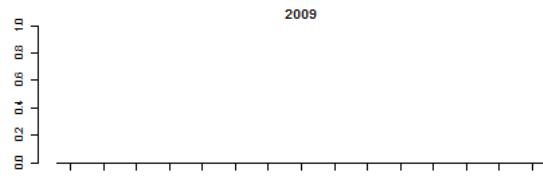
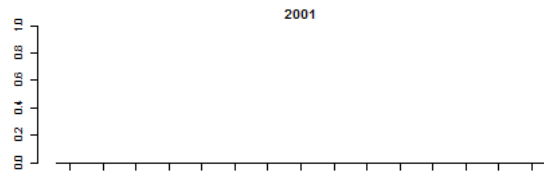
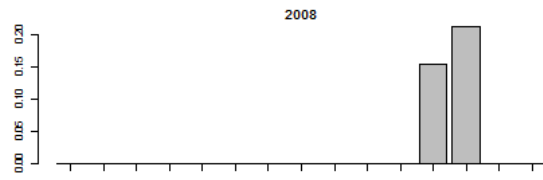
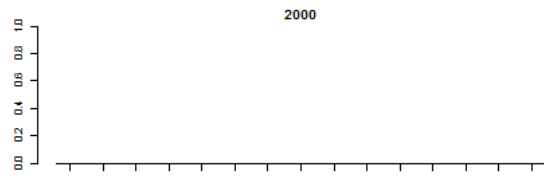
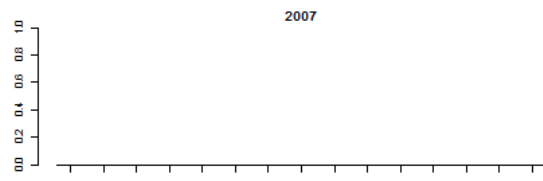
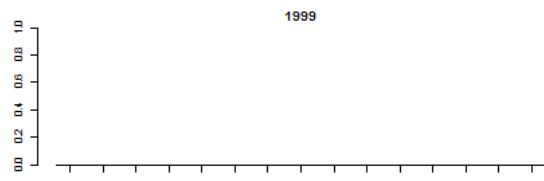
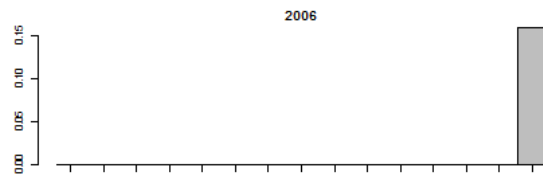
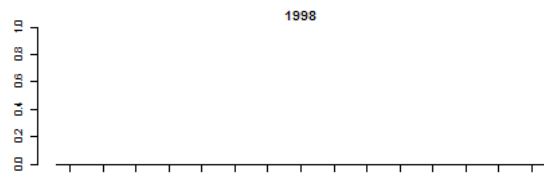
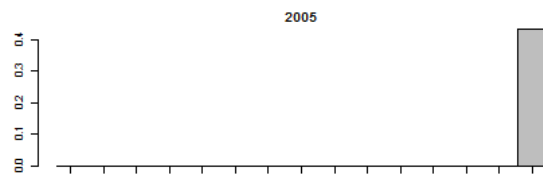
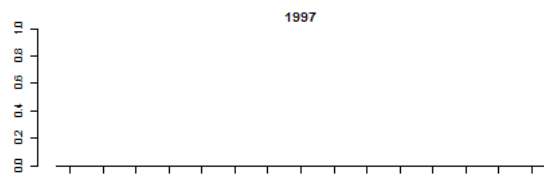


Figuur VII.6 Bot lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

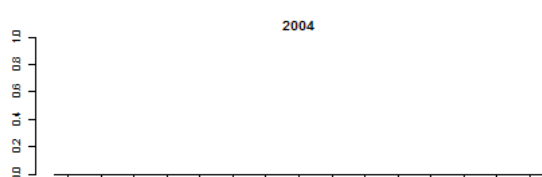
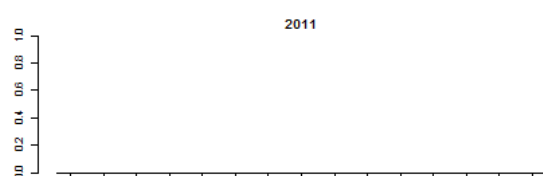
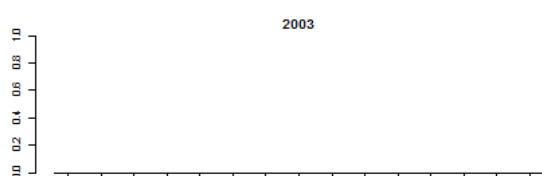
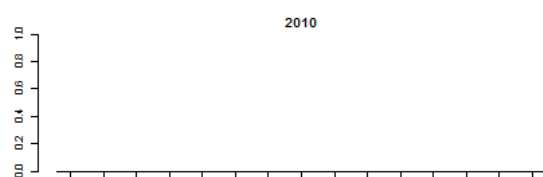
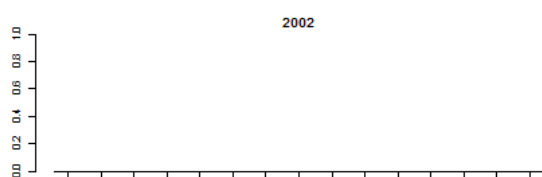
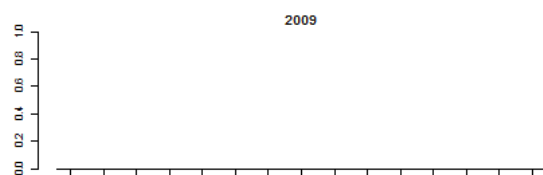
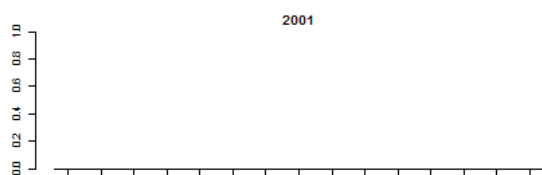
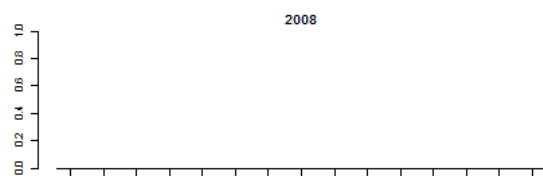
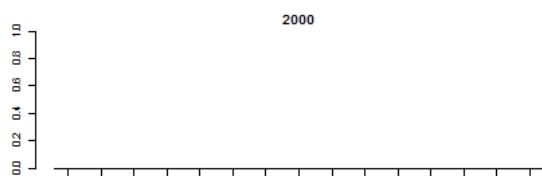
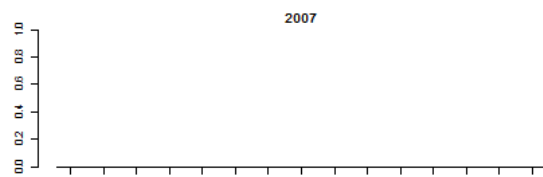
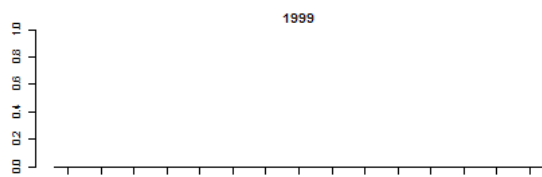
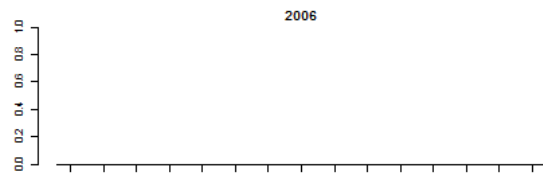
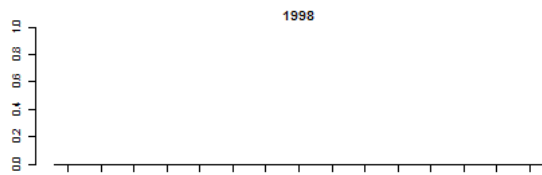
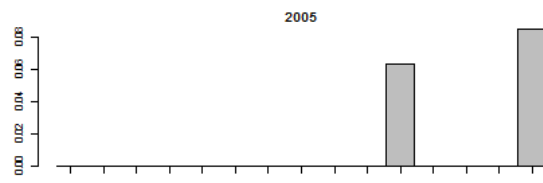
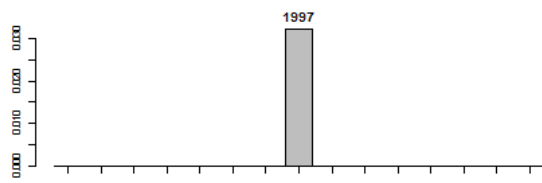
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



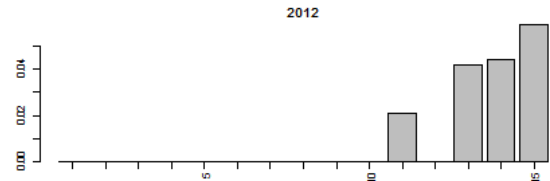
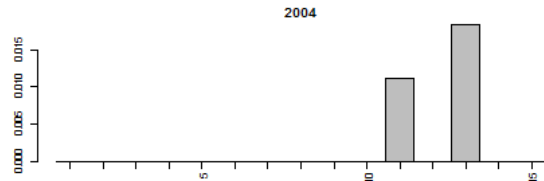
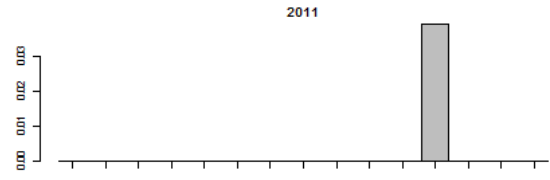
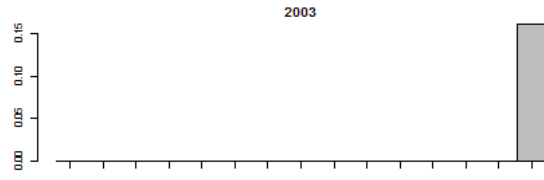
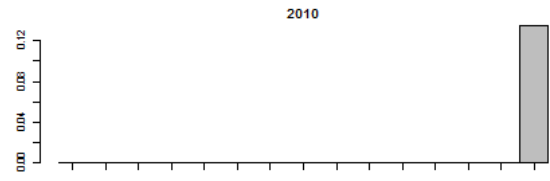
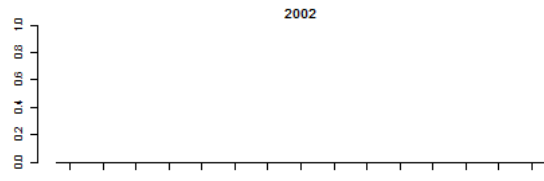
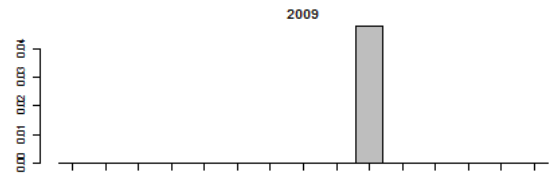
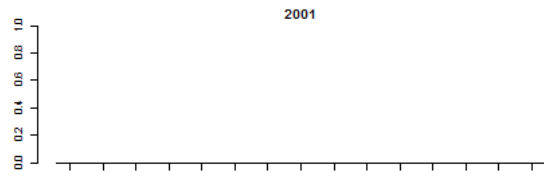
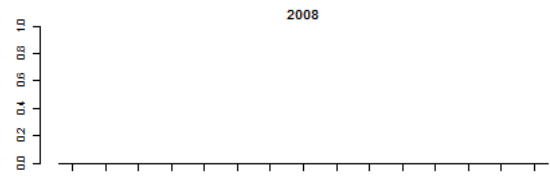
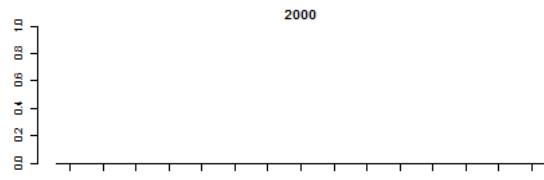
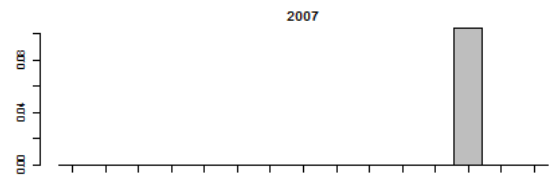
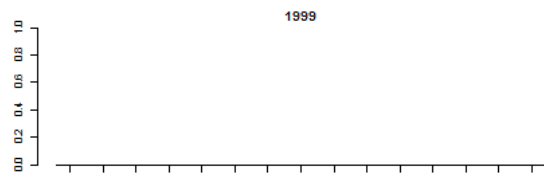
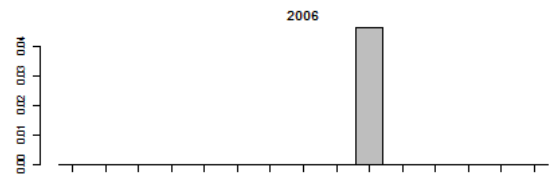
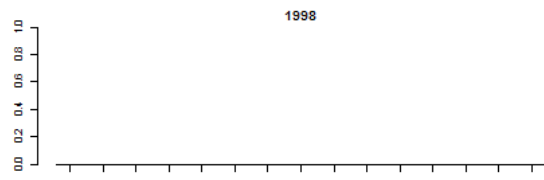
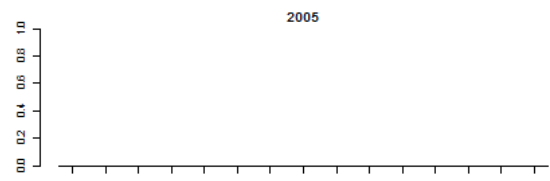
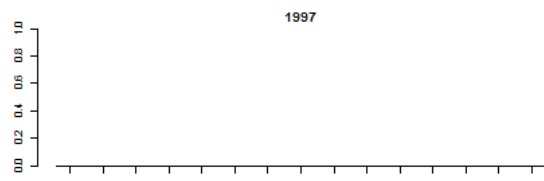
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



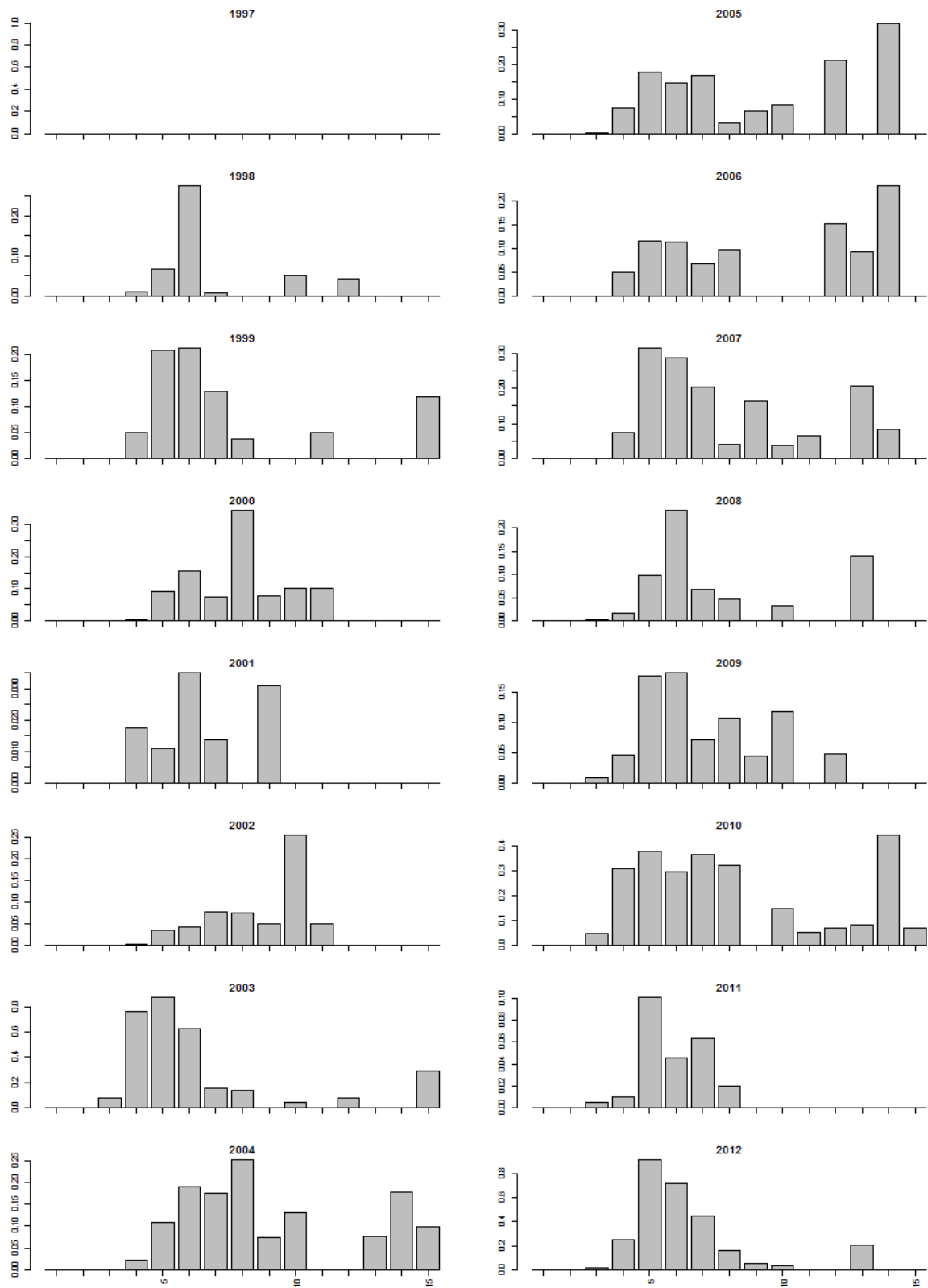
Bovenloop Nederrijn (bemonstering vanaf 1997)



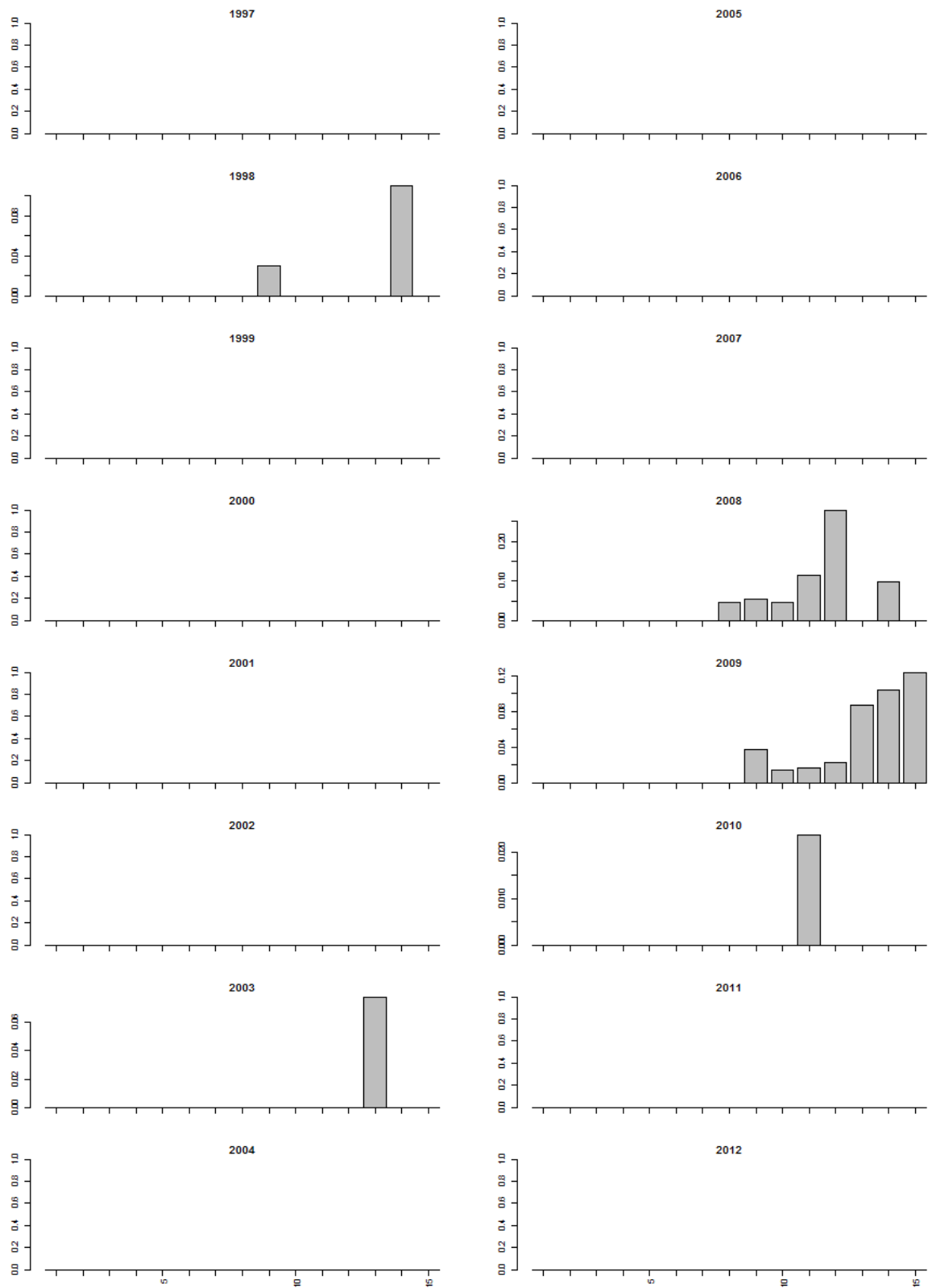
Bovenloop Waal (bemonstering vanaf 1997)



Getijden Lek (bemonstering vanaf 1998)



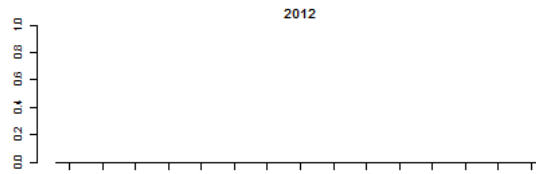
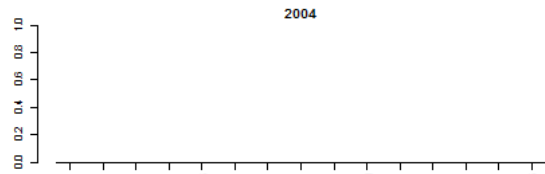
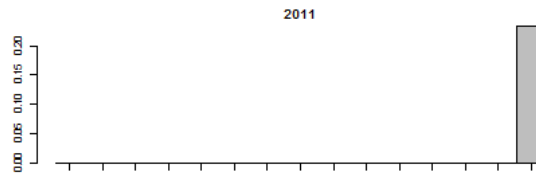
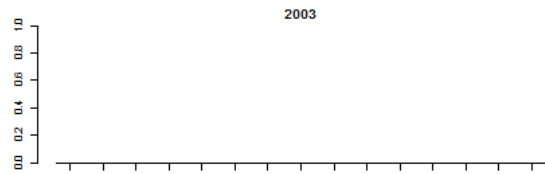
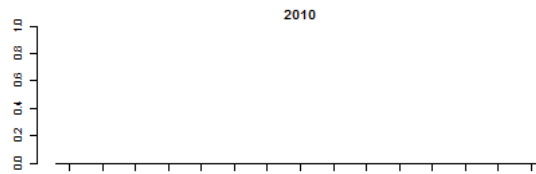
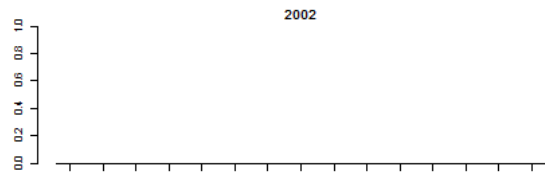
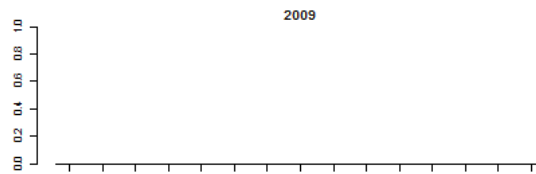
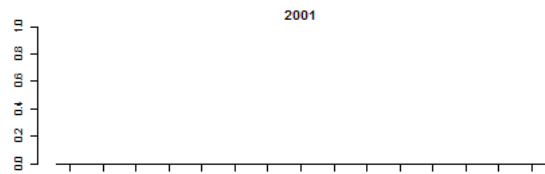
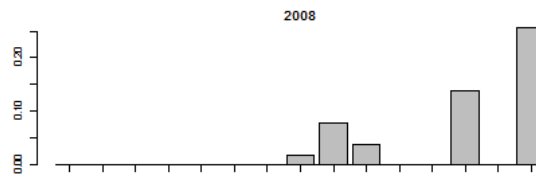
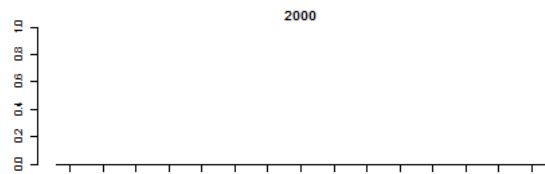
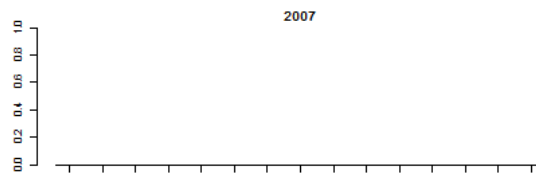
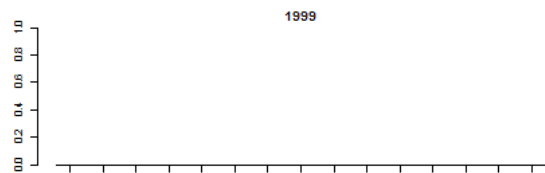
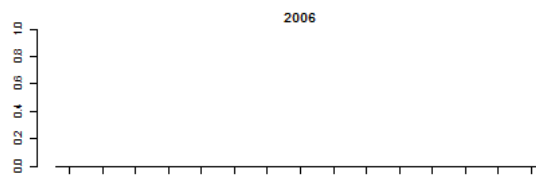
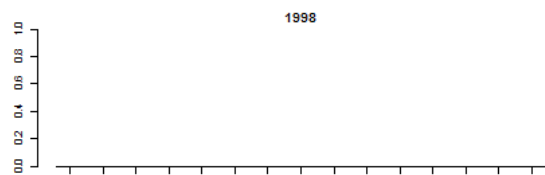
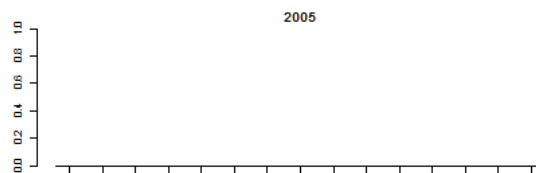
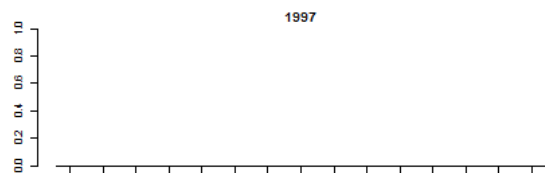
Getijden Maas (bemonstering vanaf 1998)



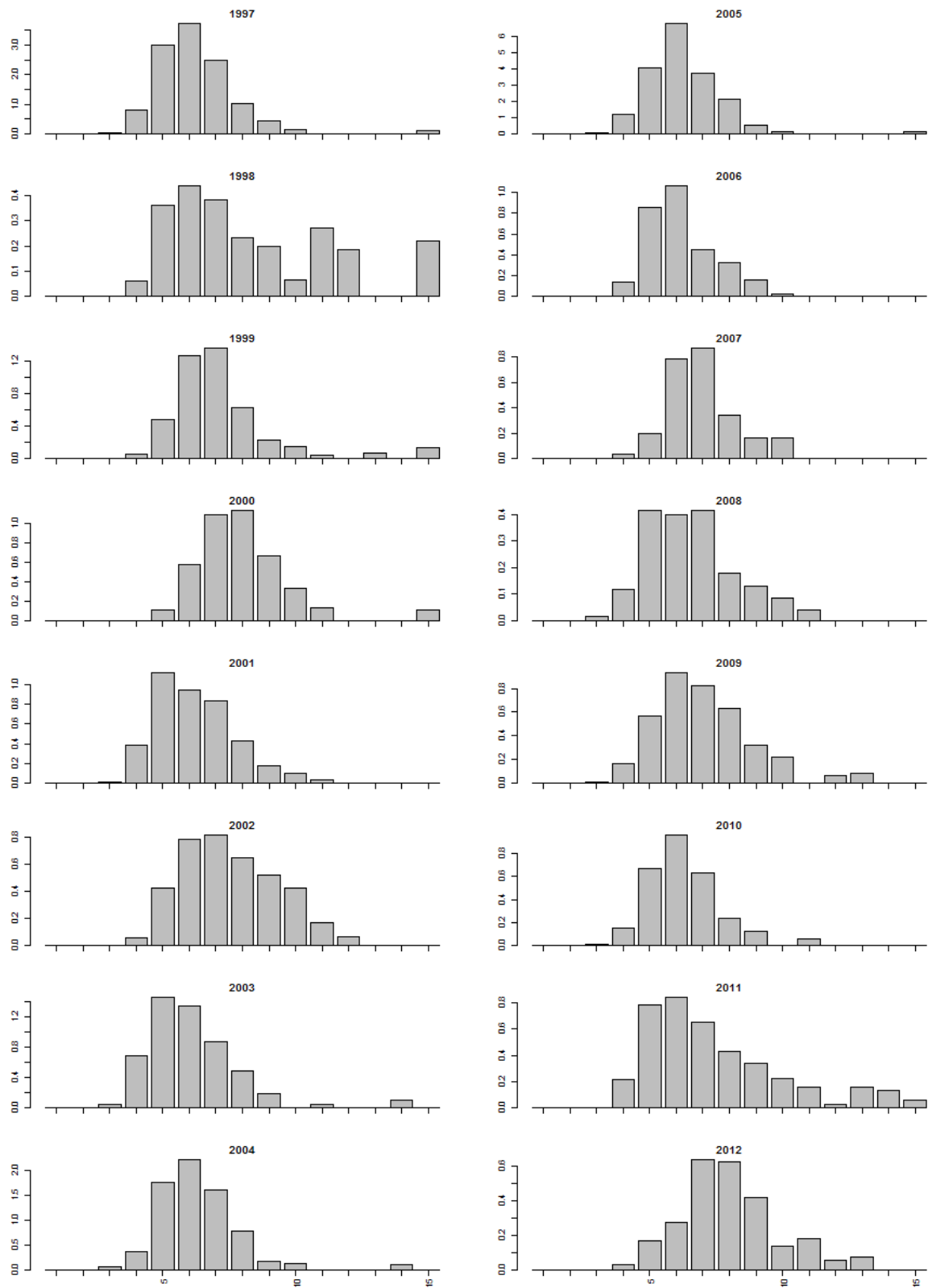
Grensmaas (bemonstering vanaf 1997)

Geen bot gevangen.

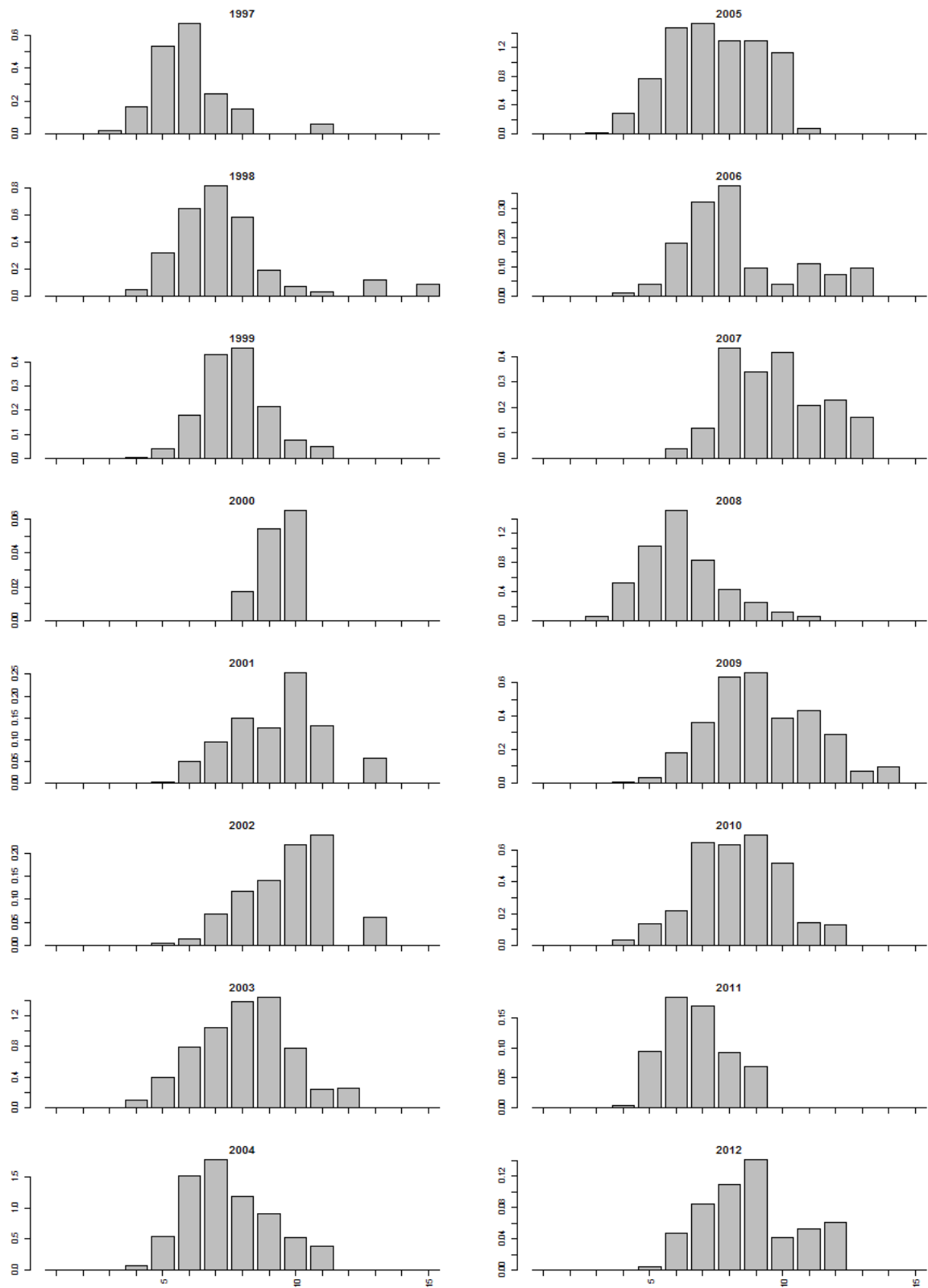
Grevelingen (alleen bemonsterd in 2008 en 2011)



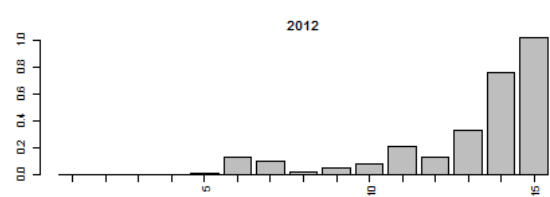
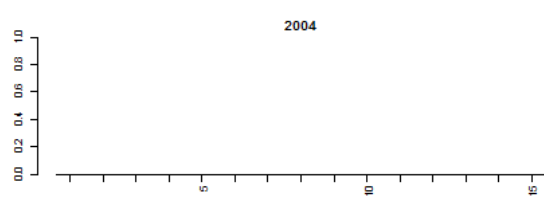
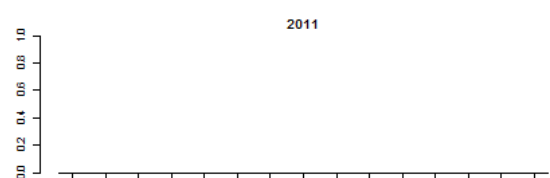
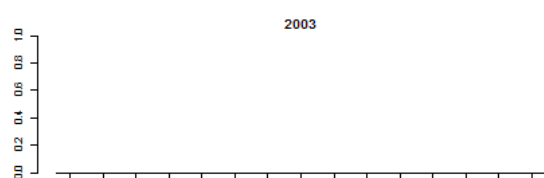
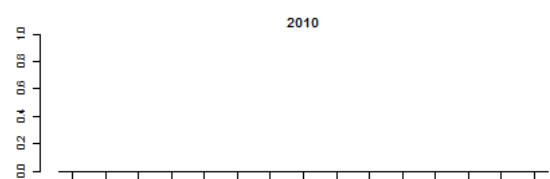
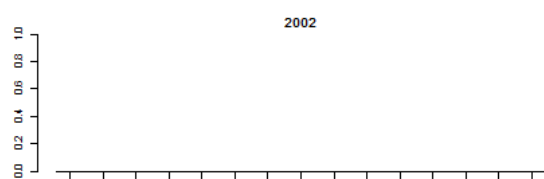
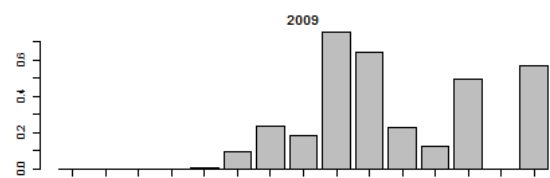
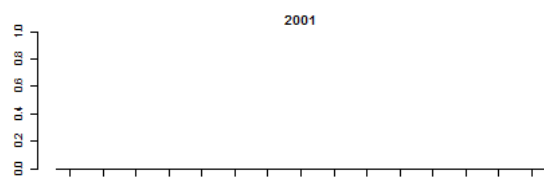
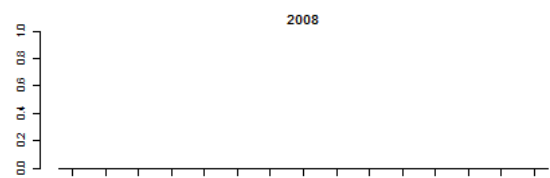
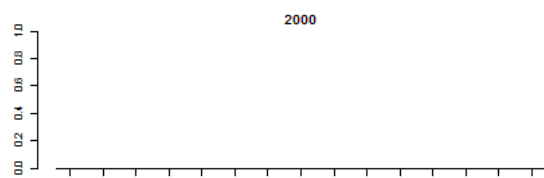
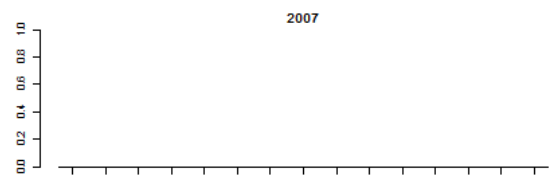
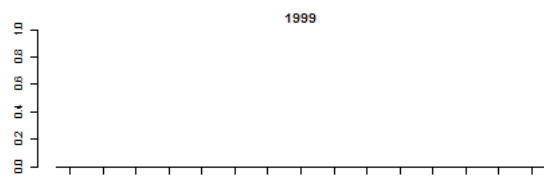
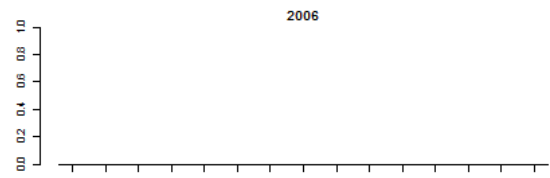
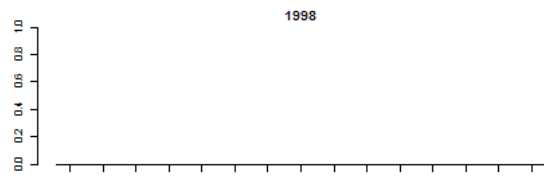
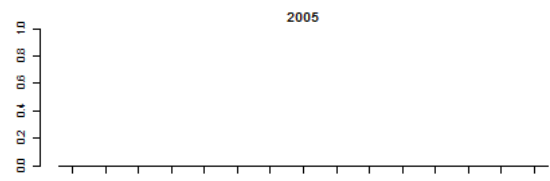
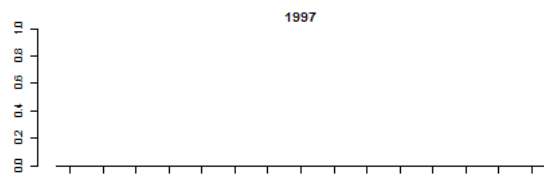
Hollands diep (bemonstering vanaf 1997)



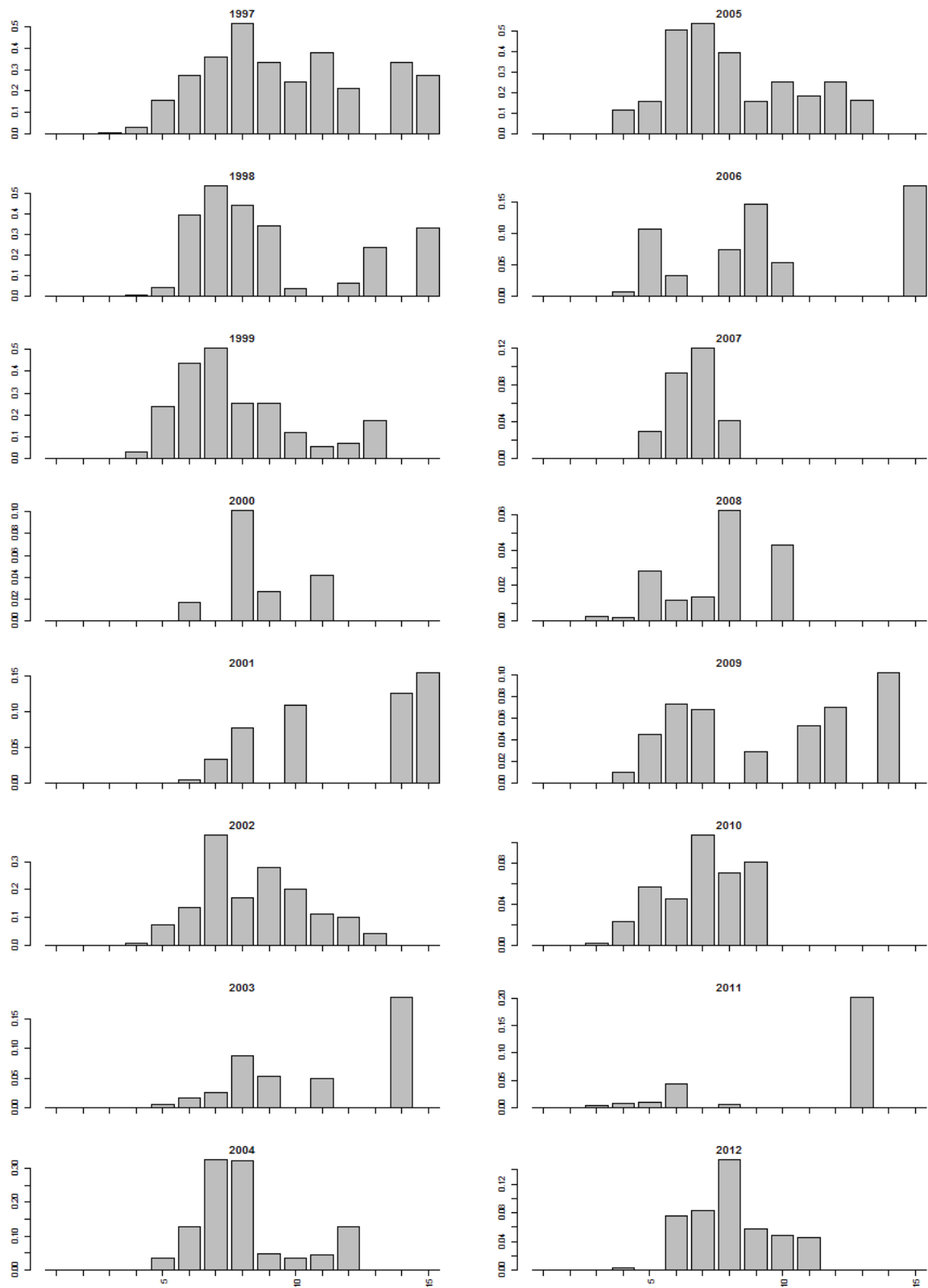
Nieuwe Merwede (bemonstering vanaf 1997)



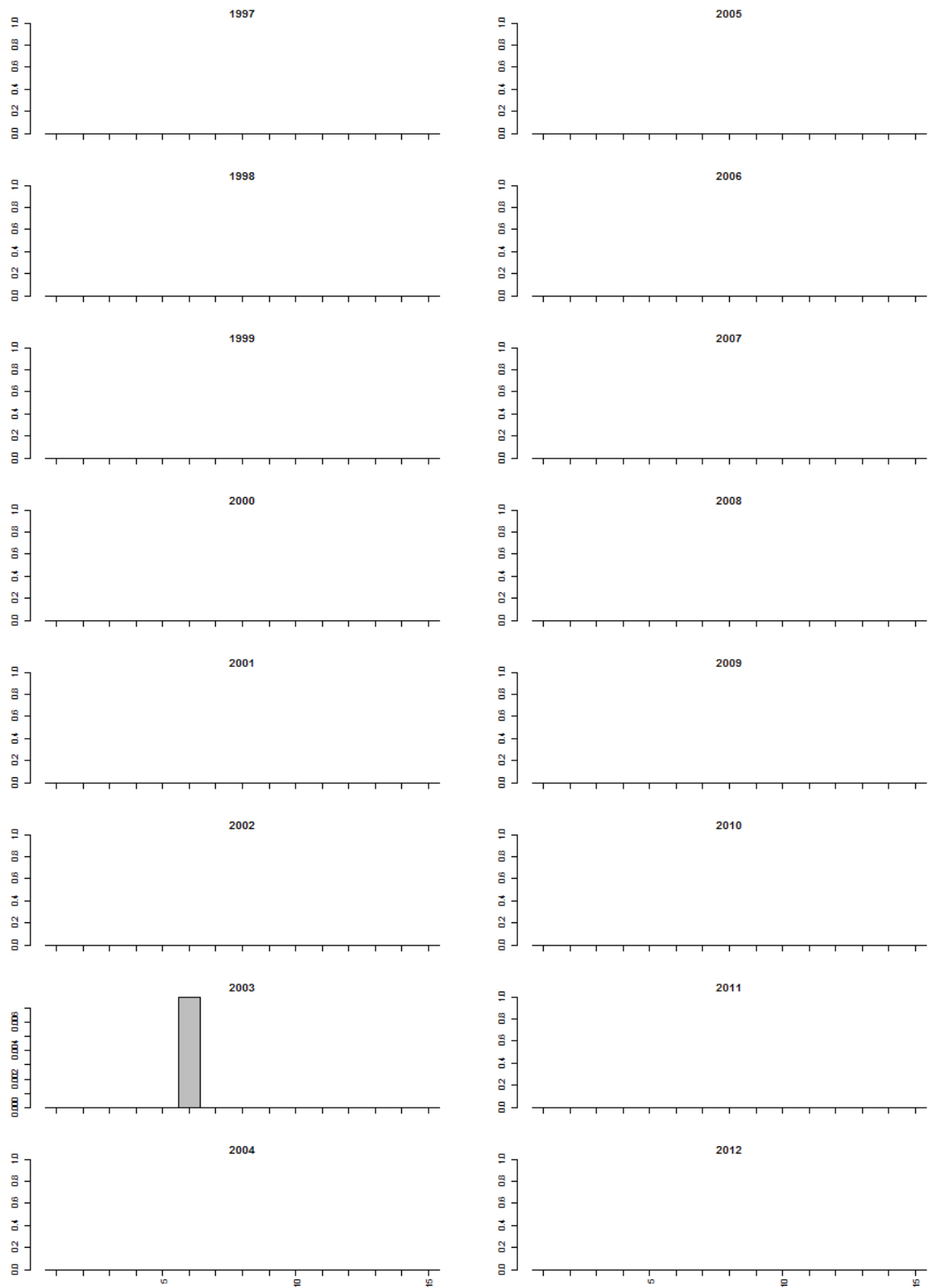
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



Oude Maas (bemonstering vanaf 1997)

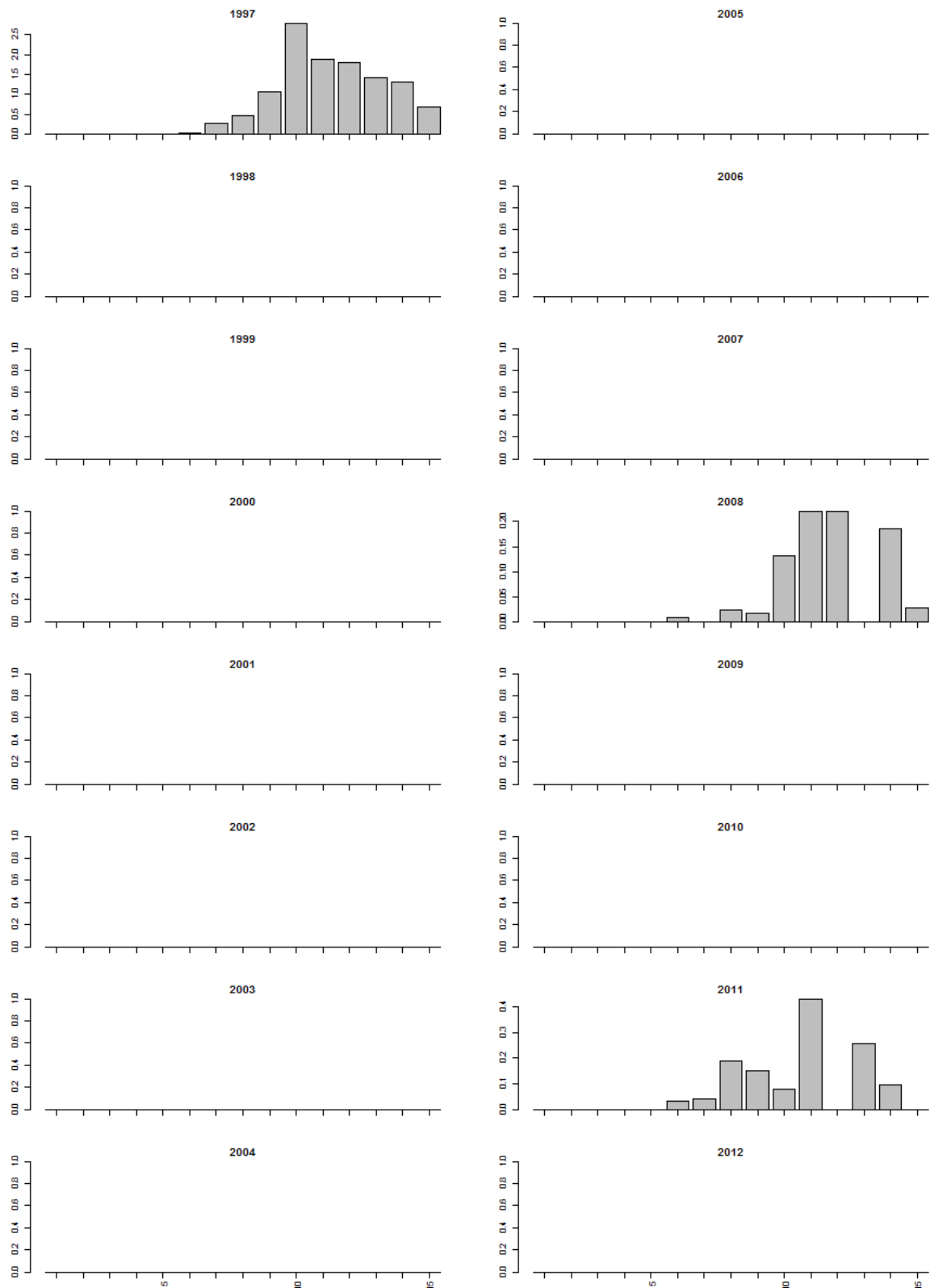


Rijn (bemonstering vanaf 1997)



Twentekanaal (alleen bemonsterd in 2009). Geen bot gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

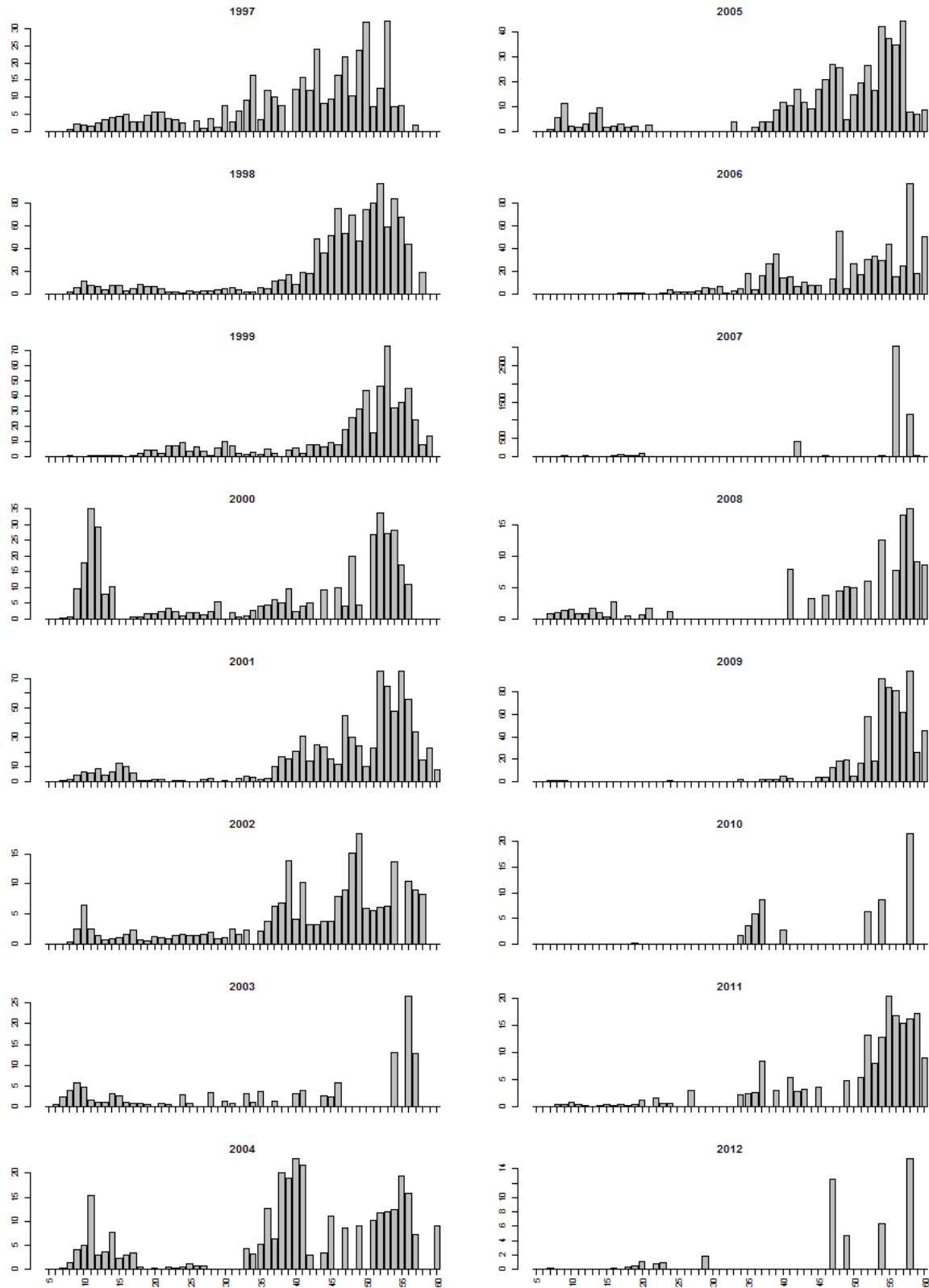


Zandmaas (bemonstering vanaf 2008)

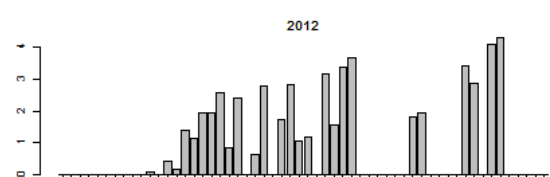
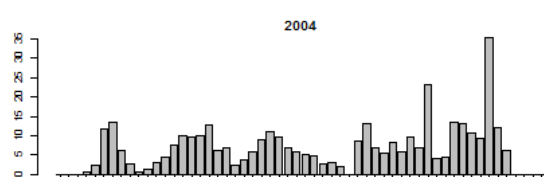
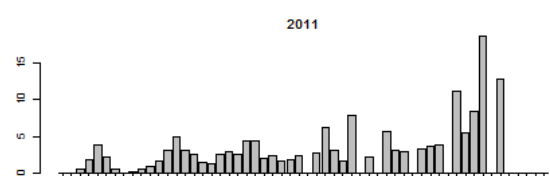
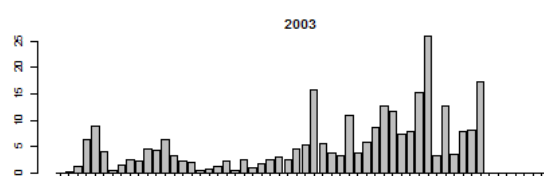
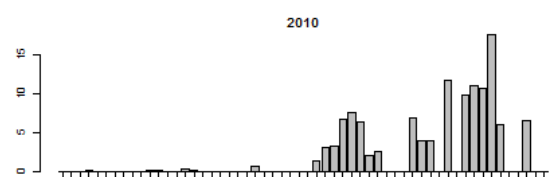
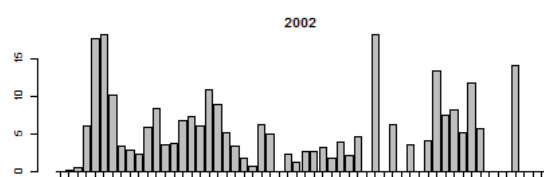
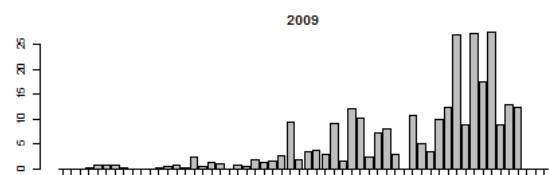
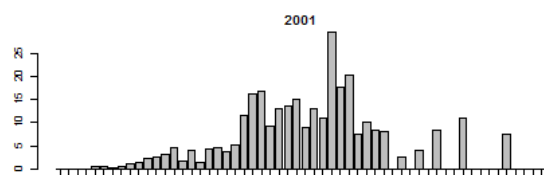
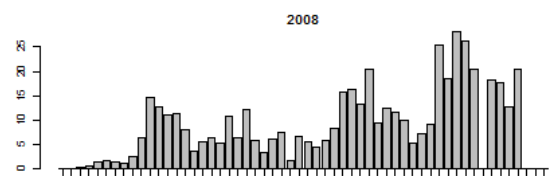
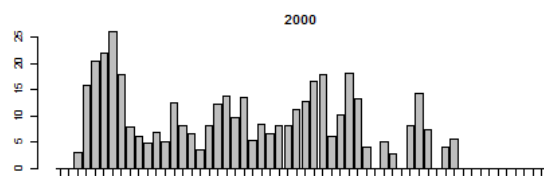
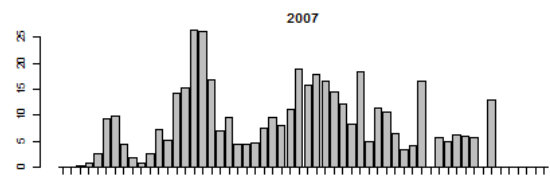
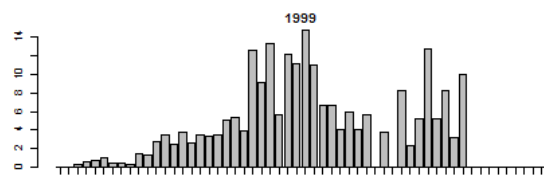
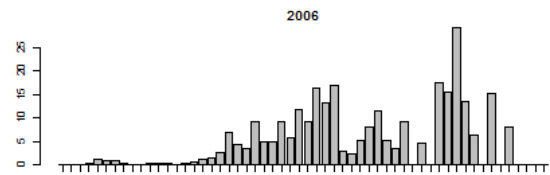
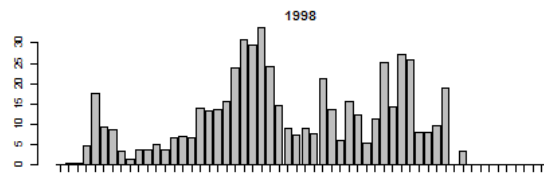
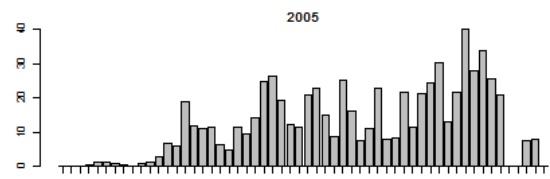
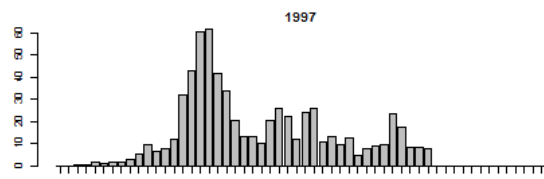
Geen bot gevangen.

Figuur VII.7 Brasem lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

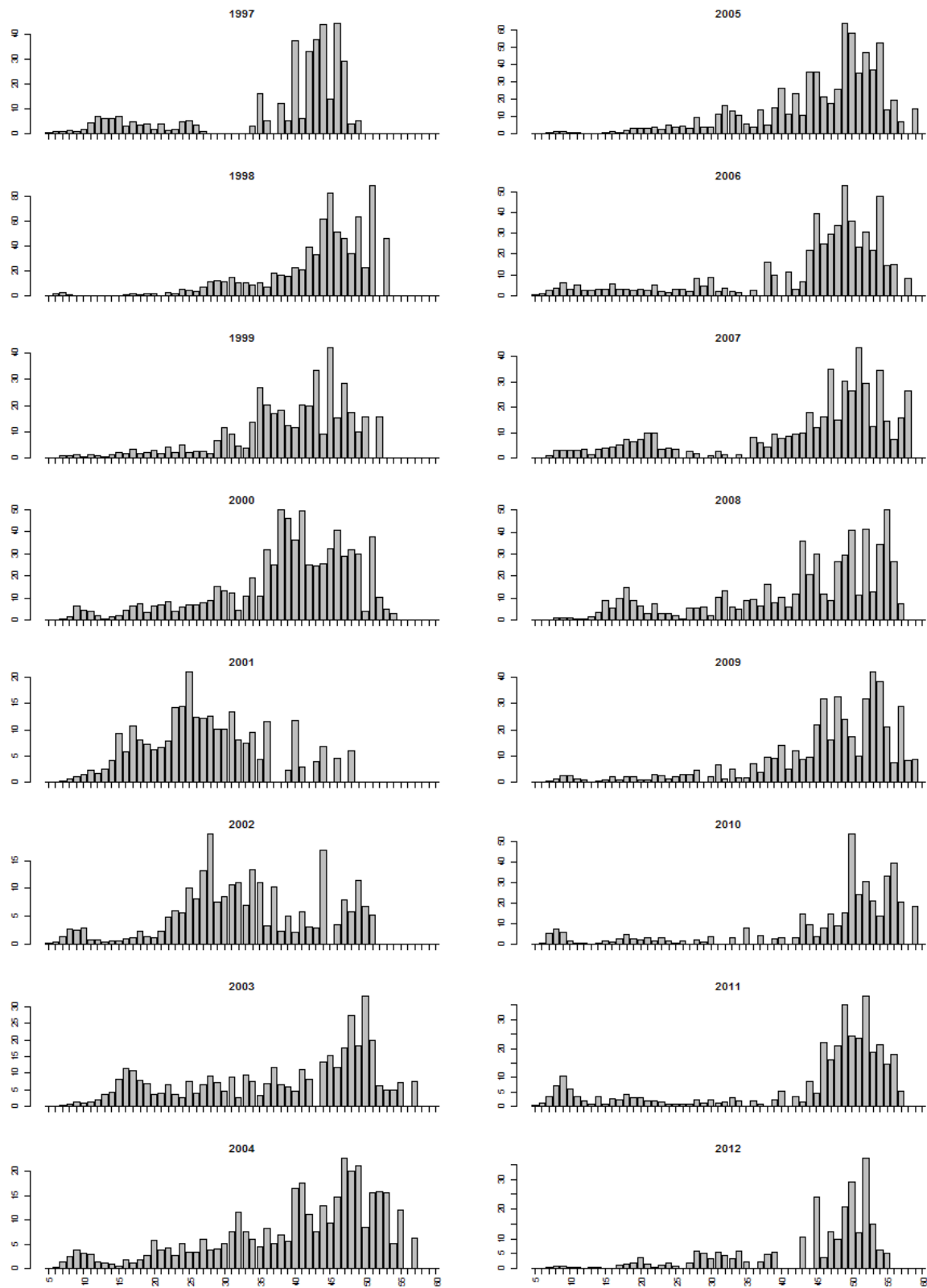
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



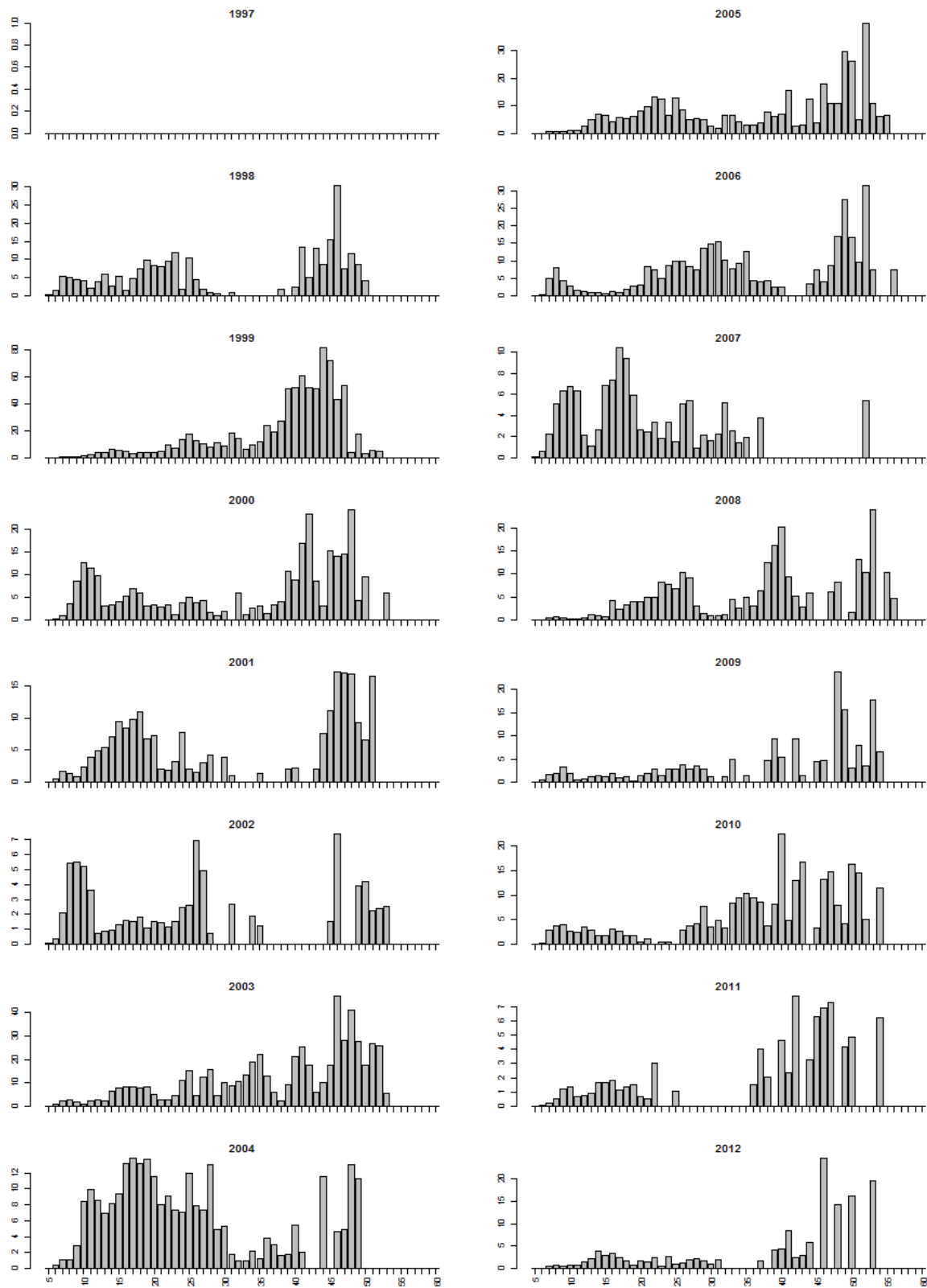
Bovenloop Nederrijn (bemonstering vanaf 1997)



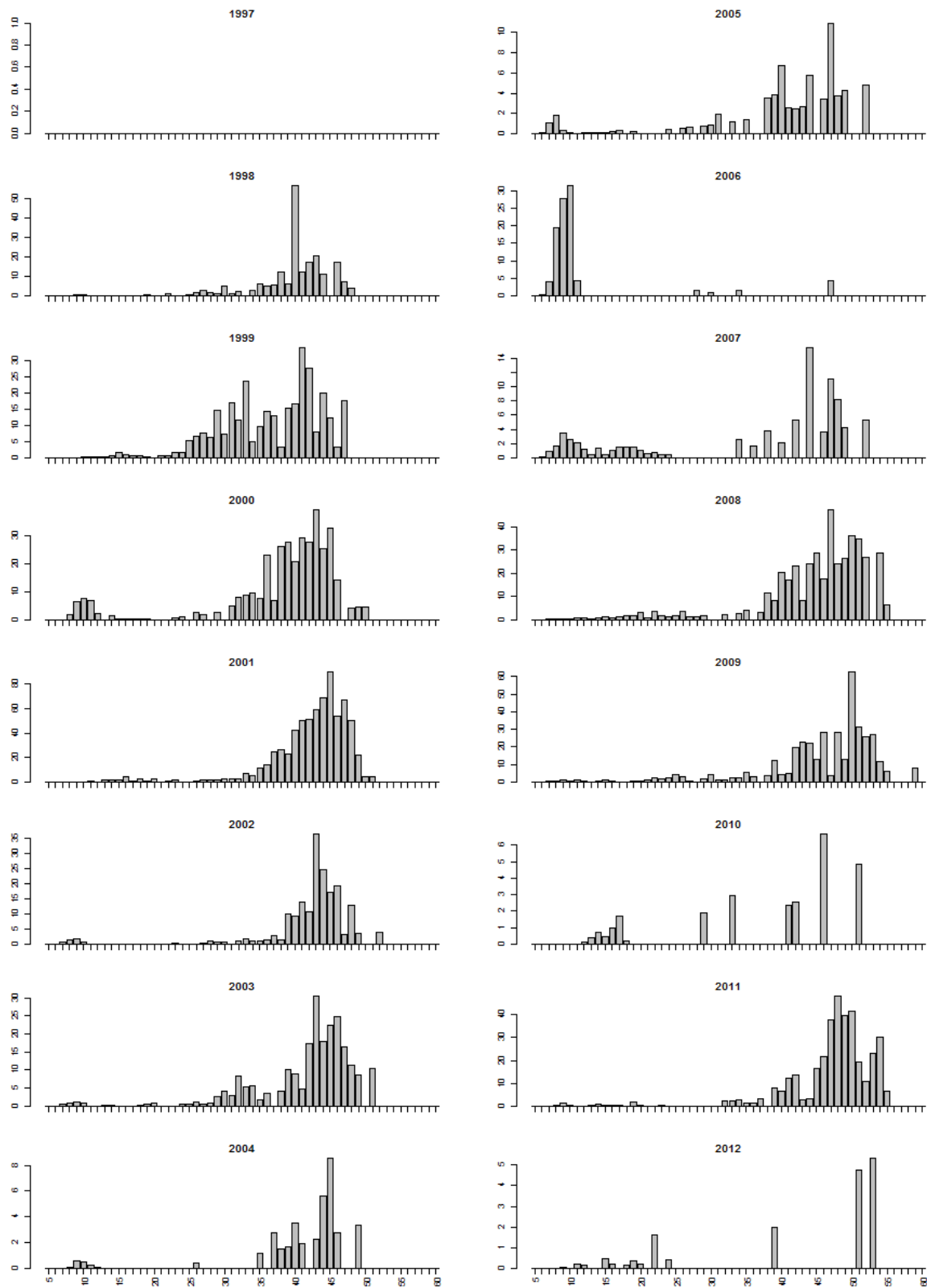
Bovenloop Waal (bemonstering vanaf 1997)



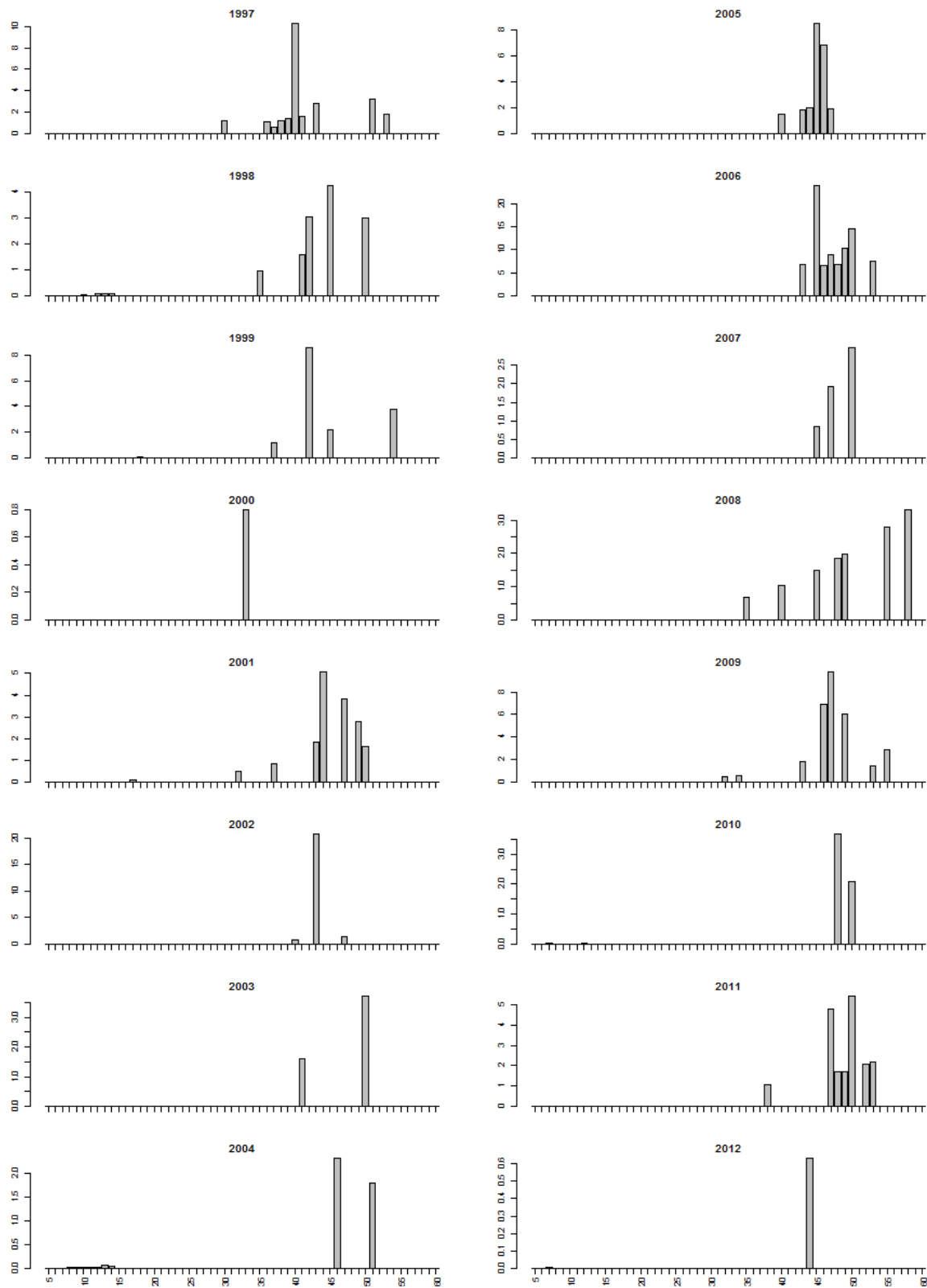
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

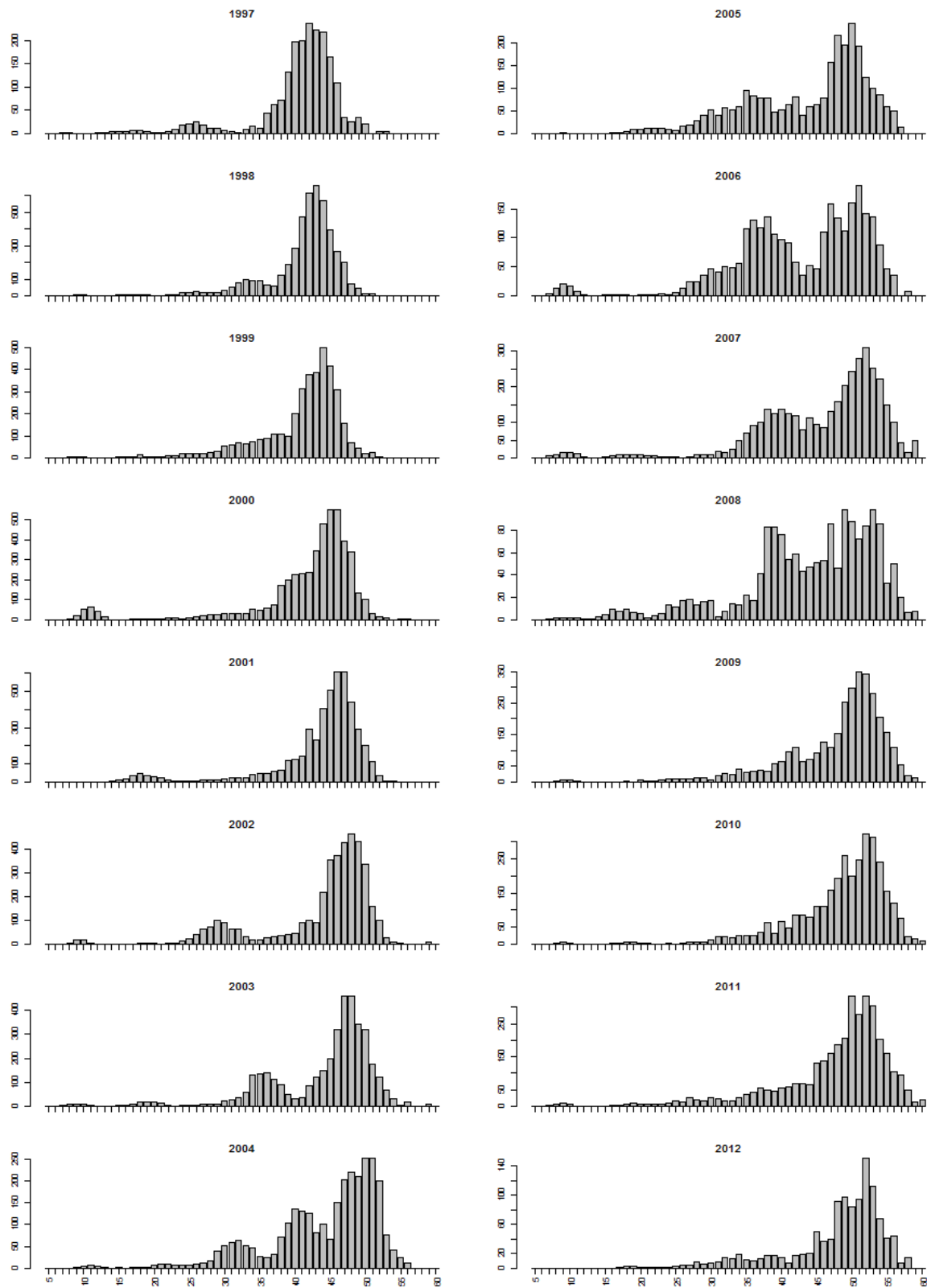


Grensmaas (bemonstering vanaf 1997)

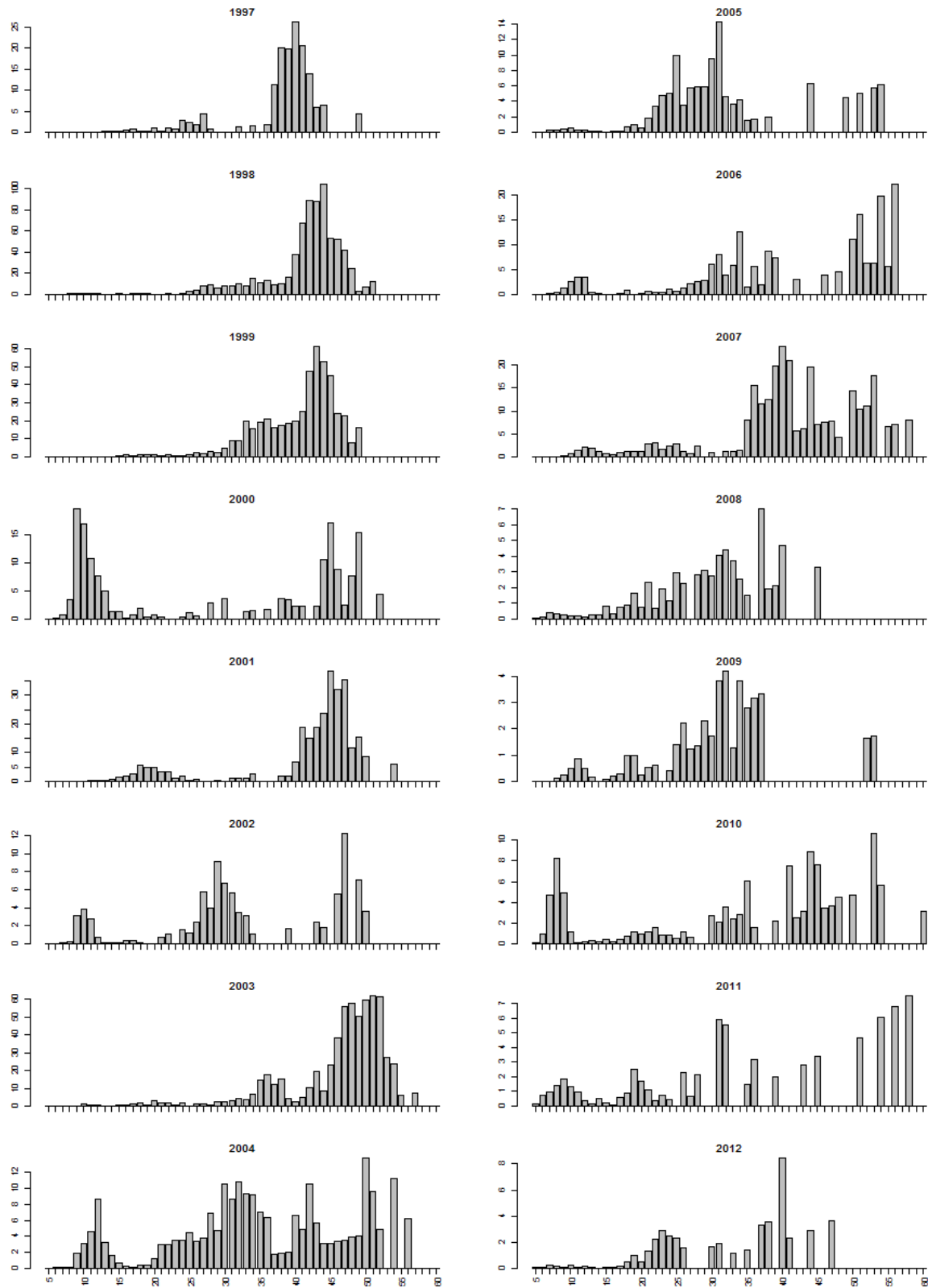


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen brasem gevangen.

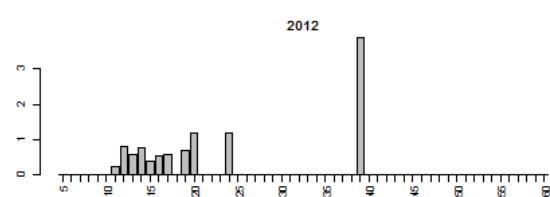
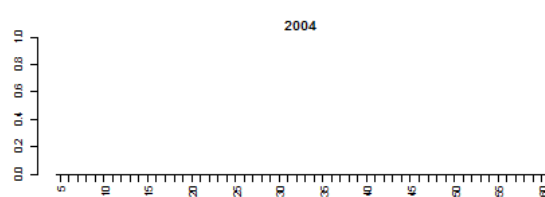
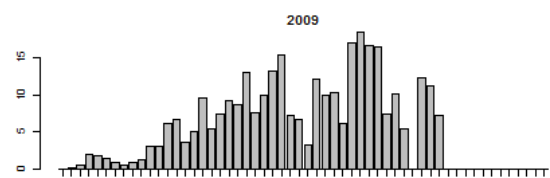
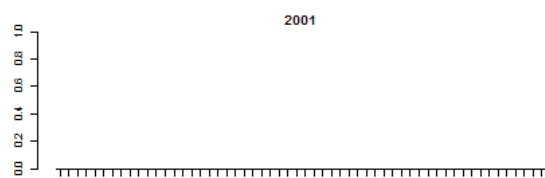
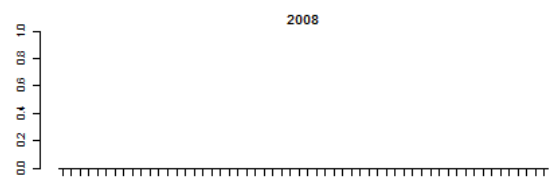
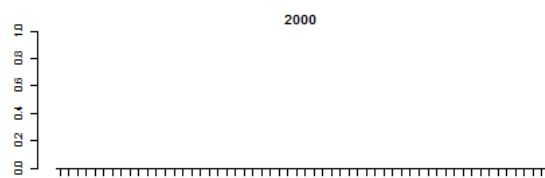
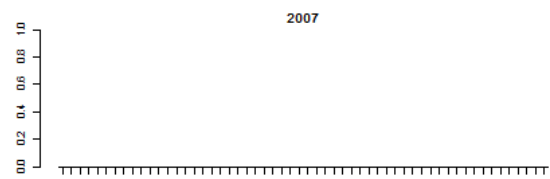
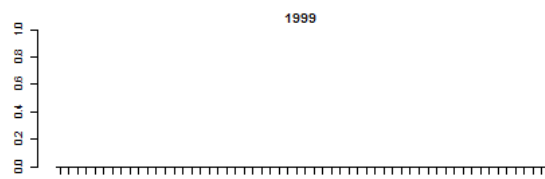
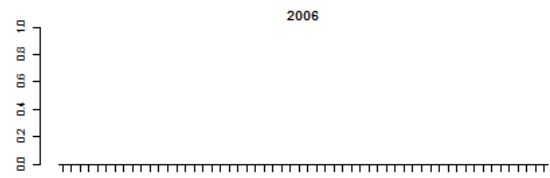
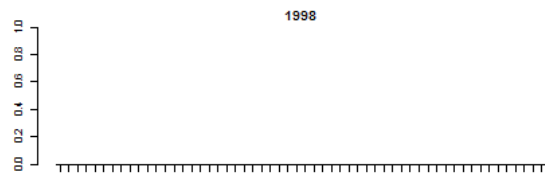
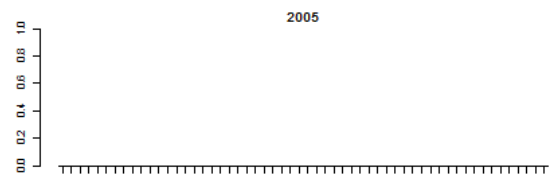
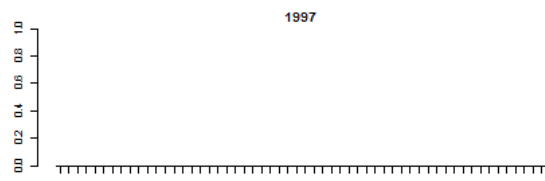
Hollands diep (bemonstering vanaf 1997)



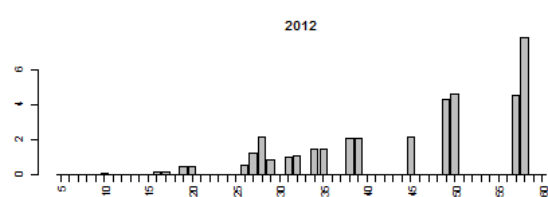
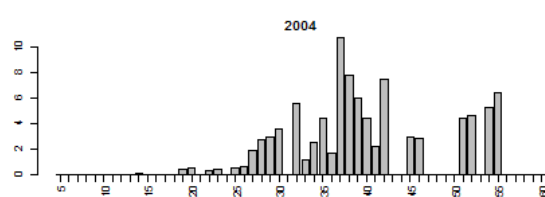
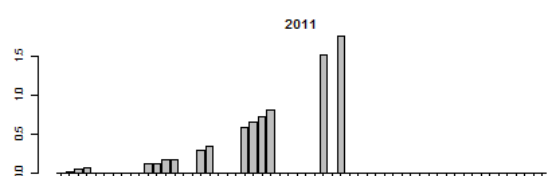
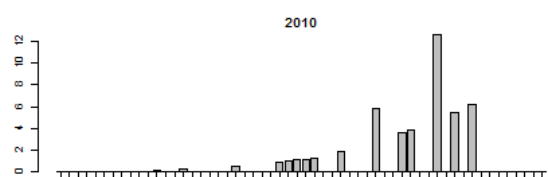
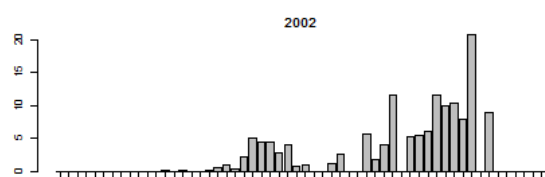
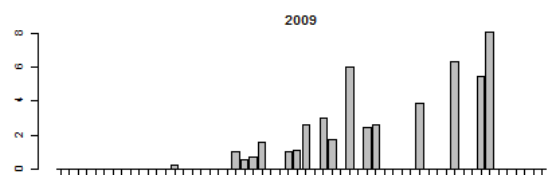
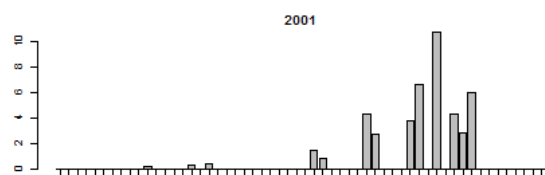
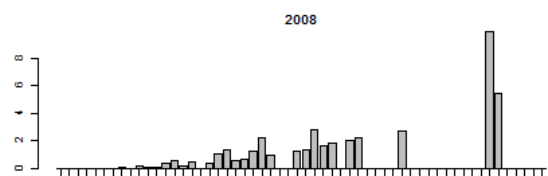
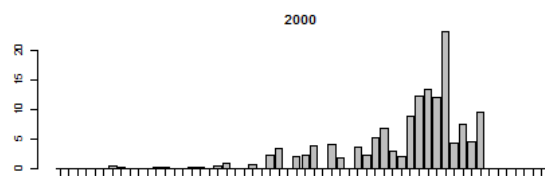
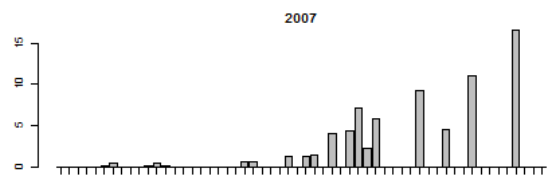
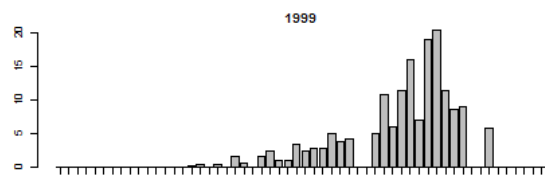
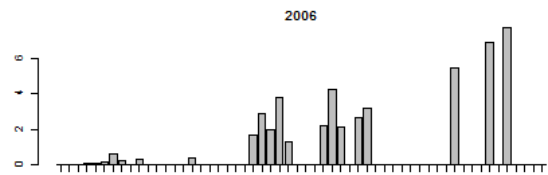
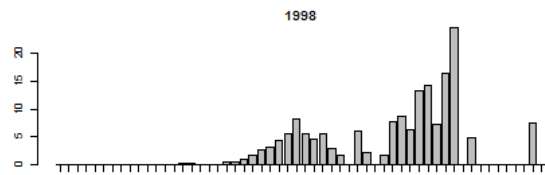
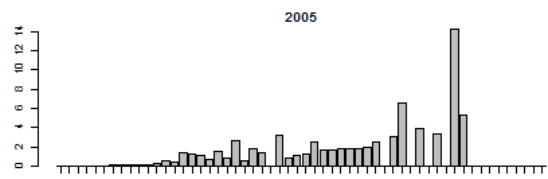
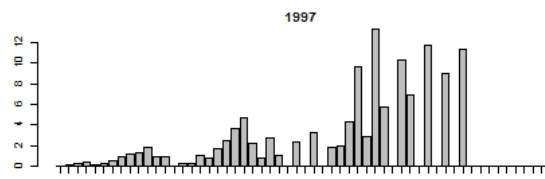
Nieuwe Merwede (bemonstering vanaf 1997)



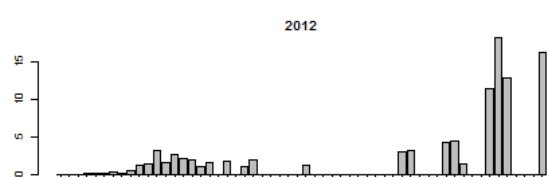
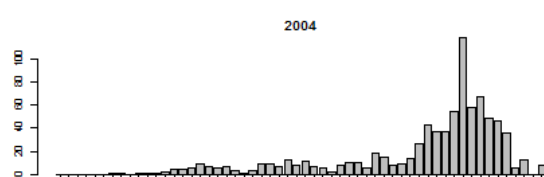
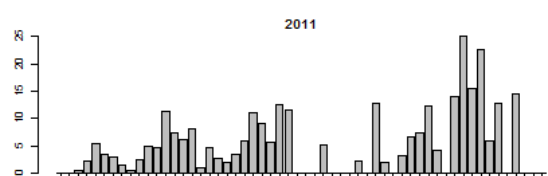
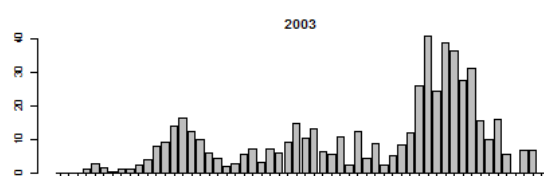
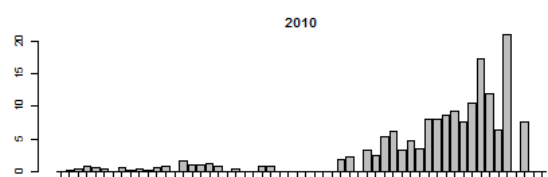
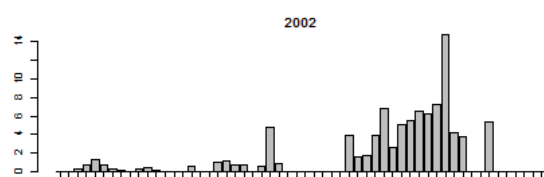
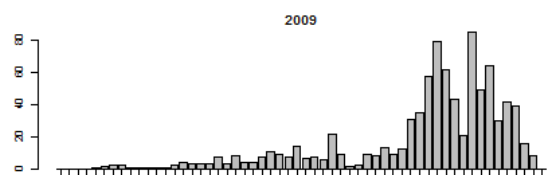
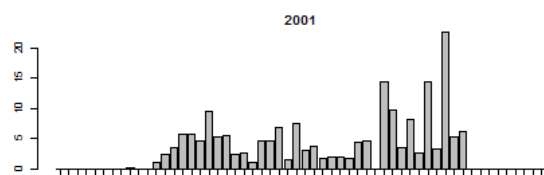
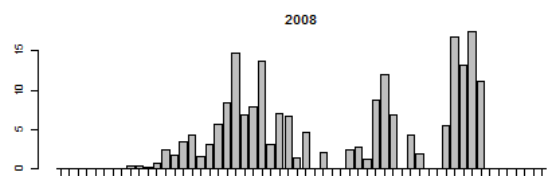
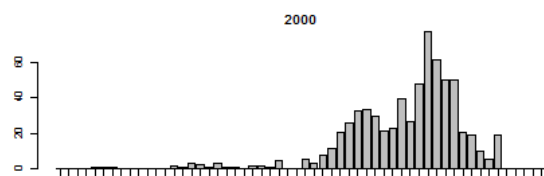
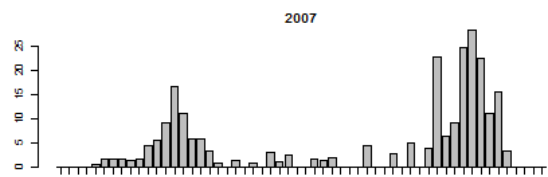
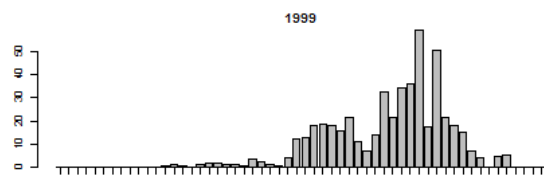
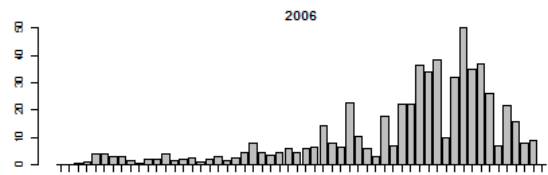
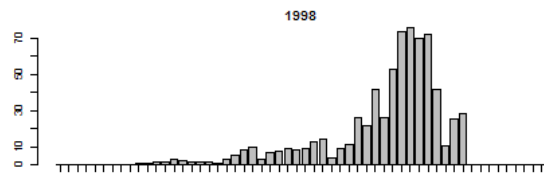
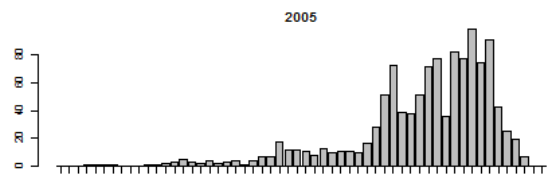
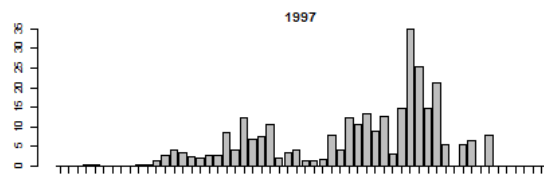
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



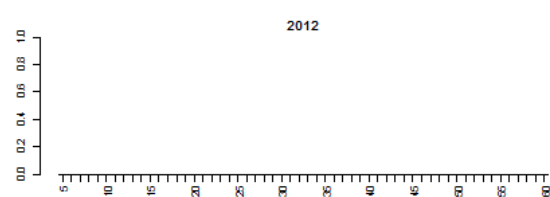
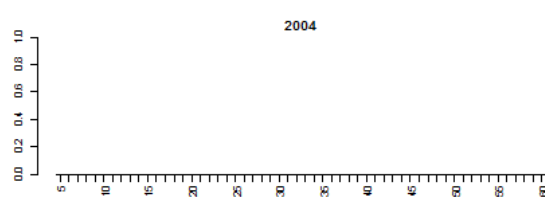
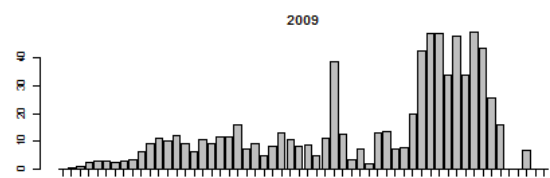
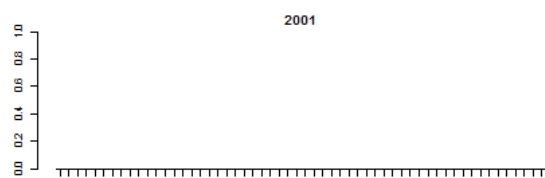
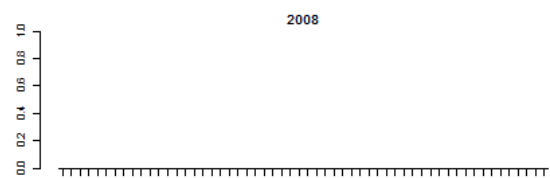
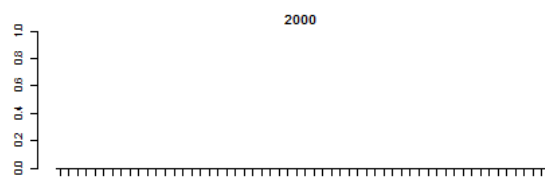
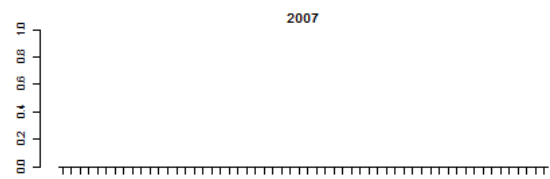
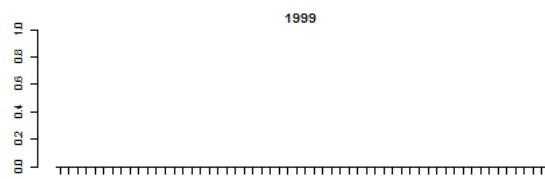
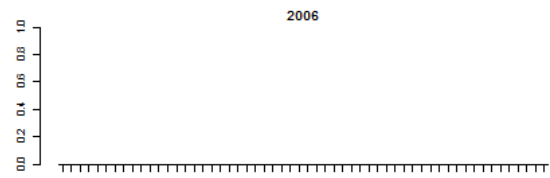
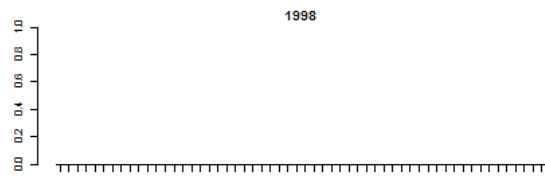
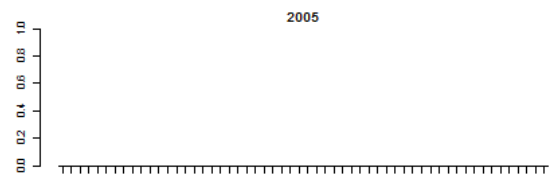
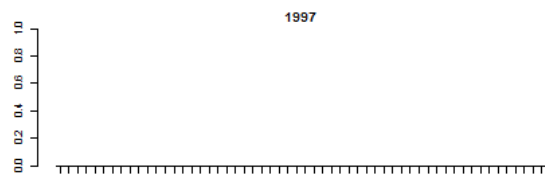
Oude Maas (bemonstering vanaf 1997)



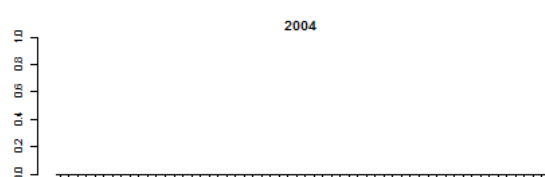
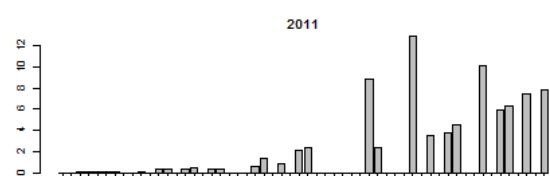
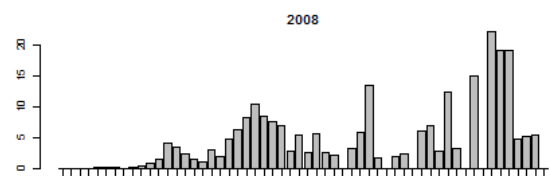
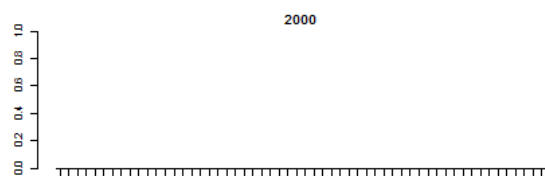
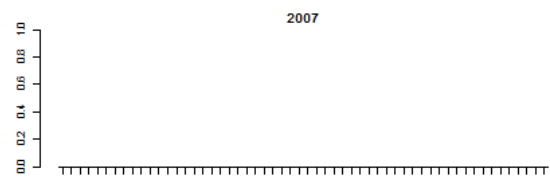
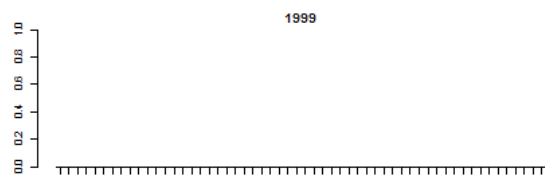
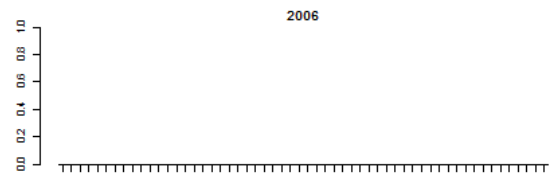
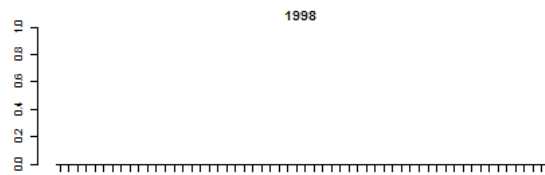
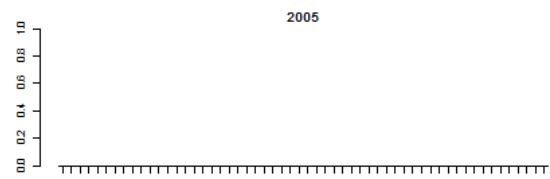
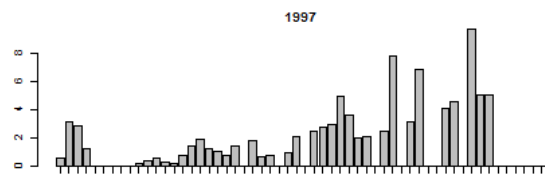
Rijn (bemonstering vanaf 1997)



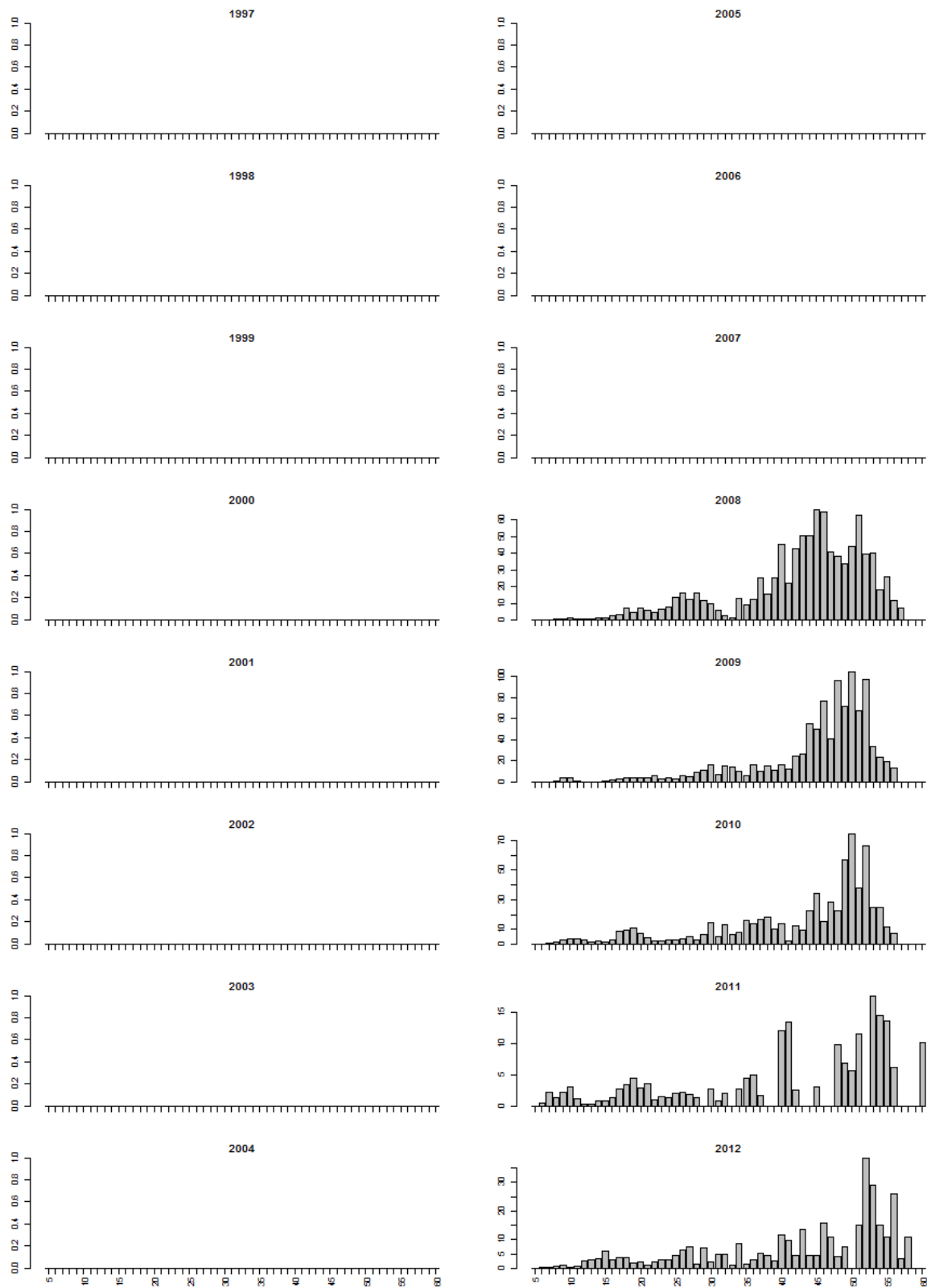
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

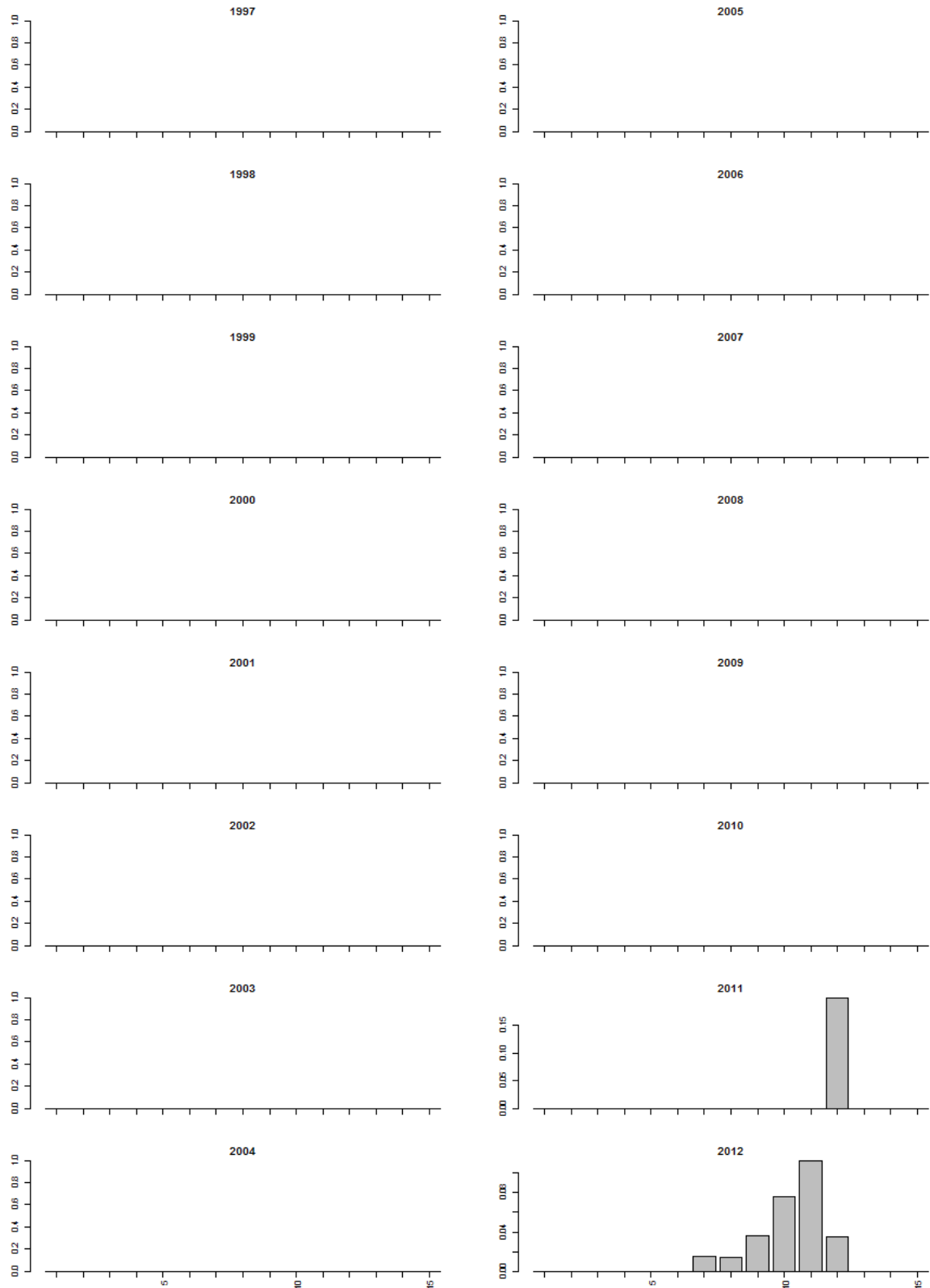


Zandmaas (bemonstering vanaf 2008)

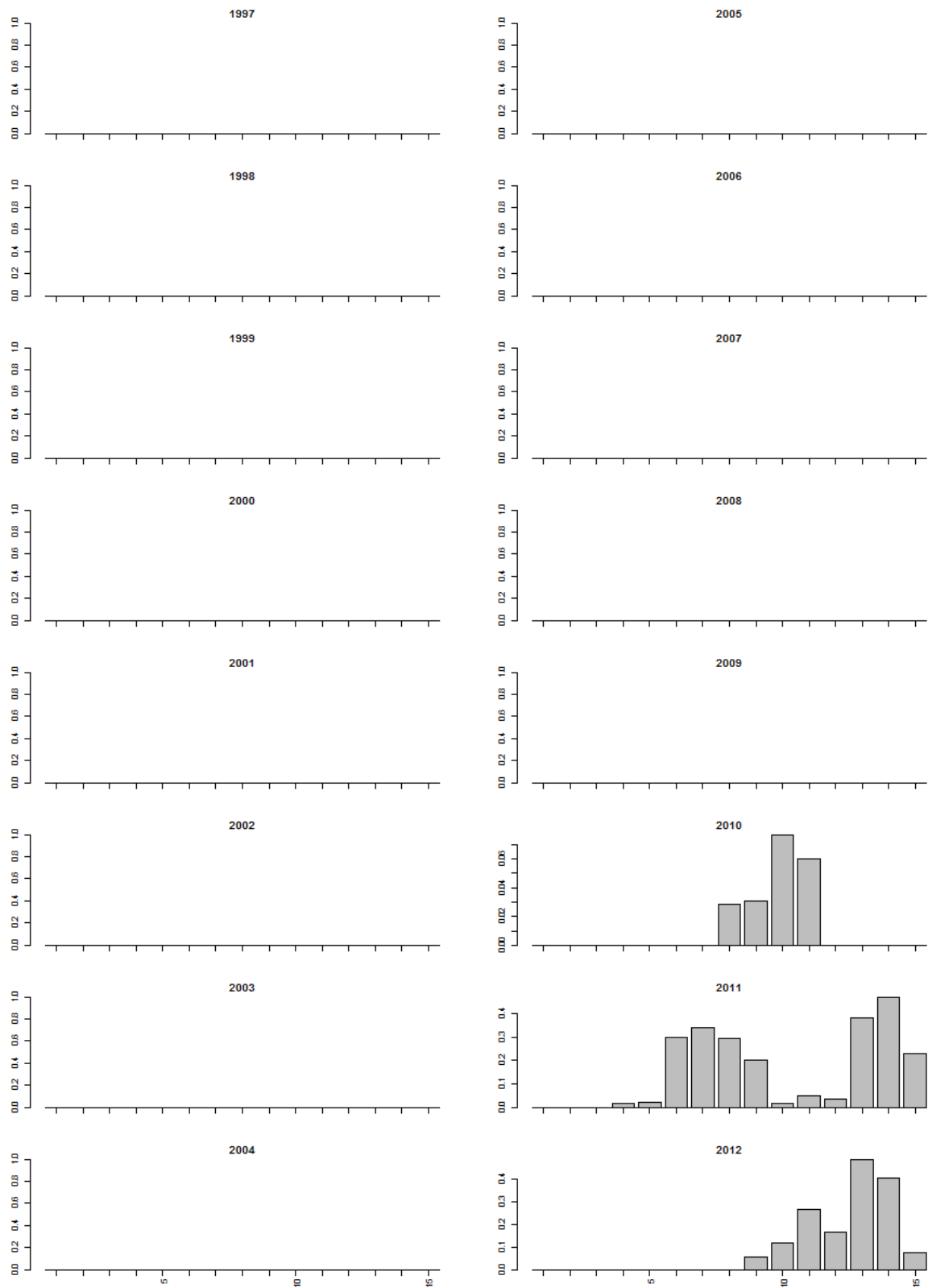


Figuur VII.8 Kesslers grondel lengtefrequentie-verdeling actieve monitoring rivieren (schemet en boomkor gecombineerd, CPUE biomassa)

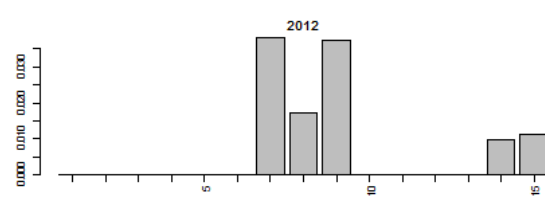
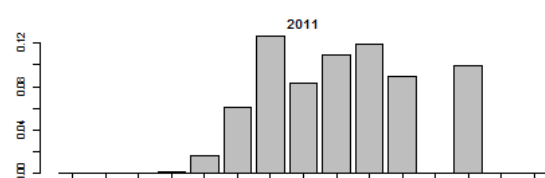
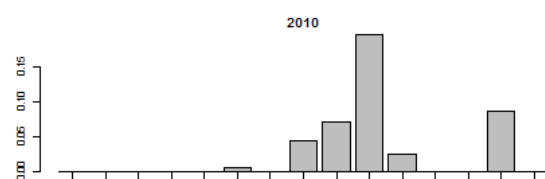
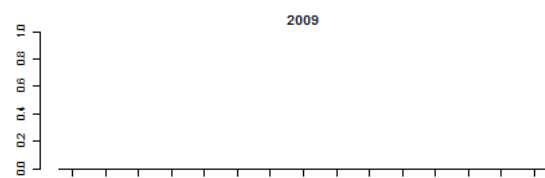
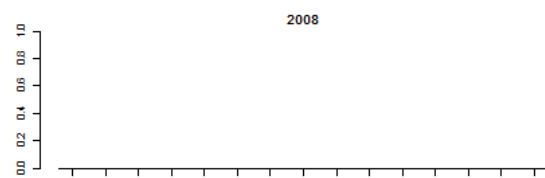
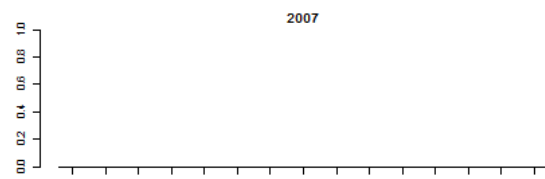
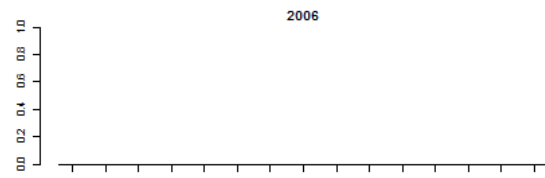
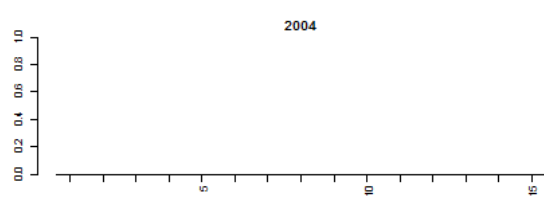
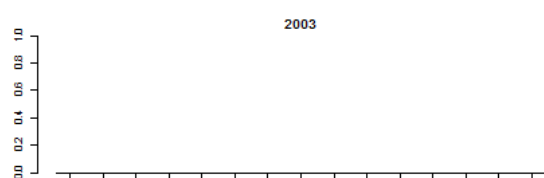
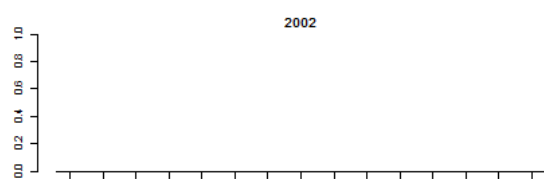
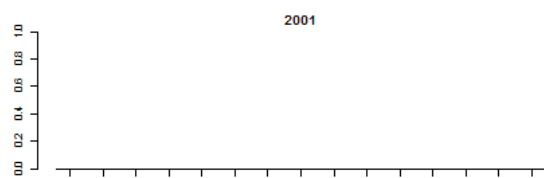
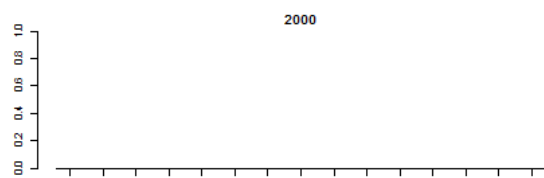
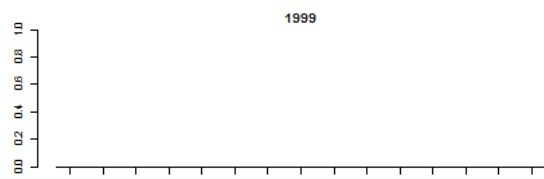
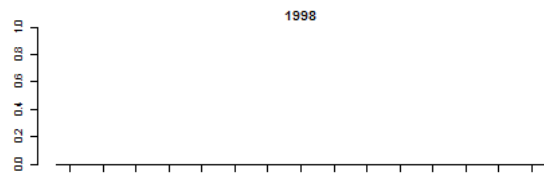
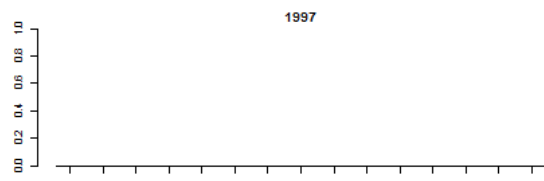
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



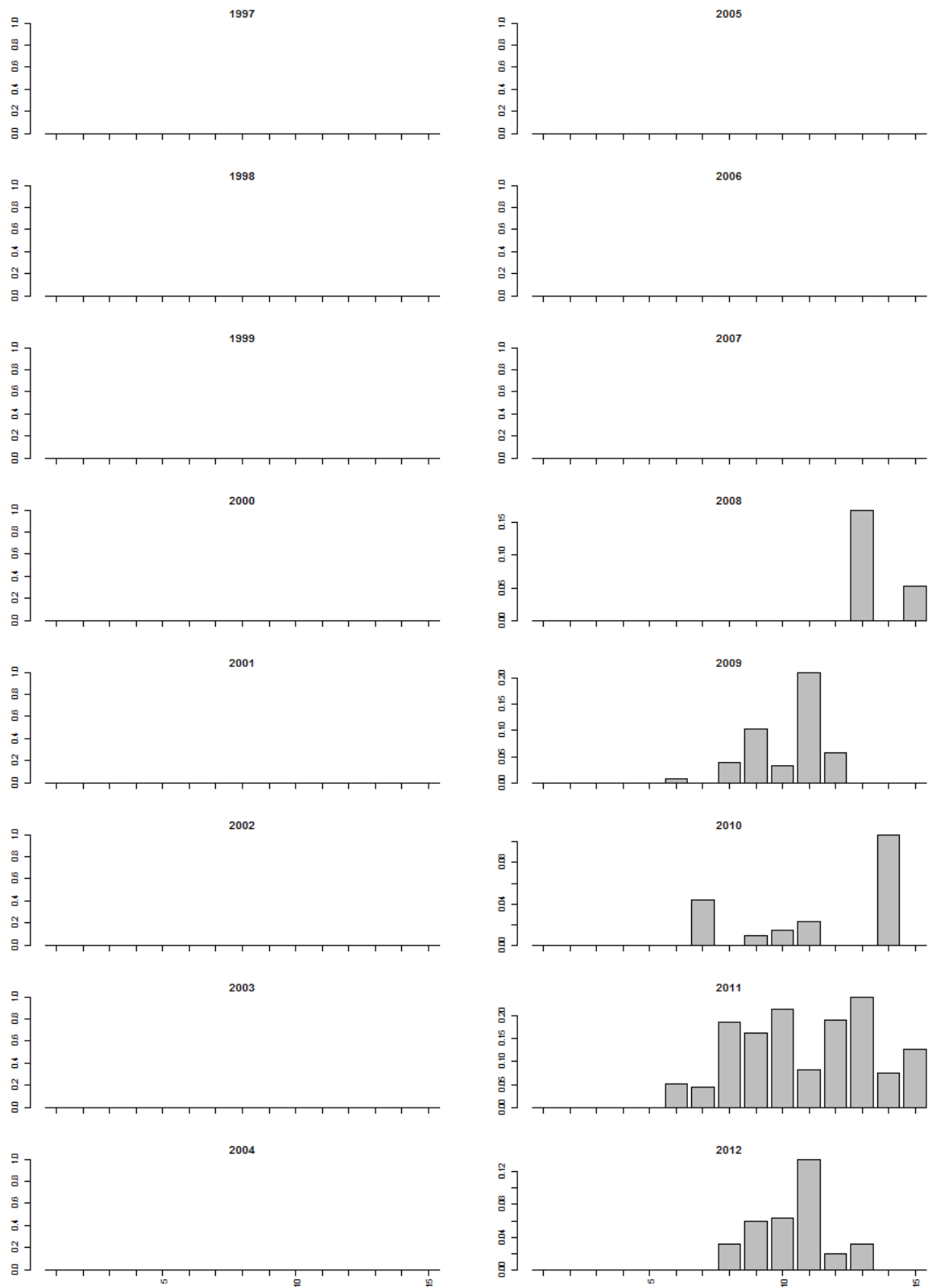
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



Bovenloop Nederrijn (bemonstering vanaf 1997)



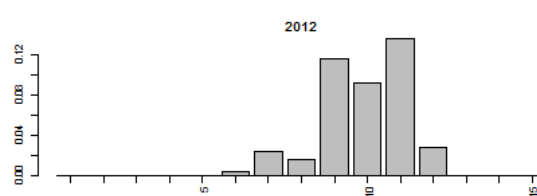
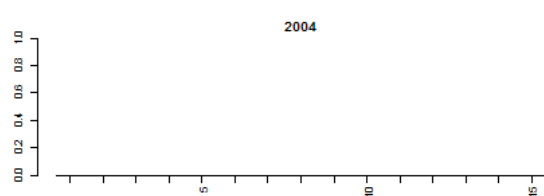
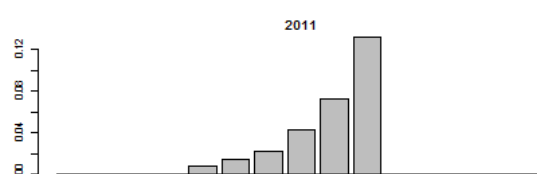
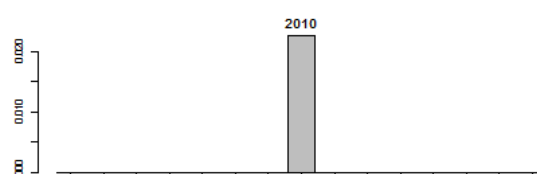
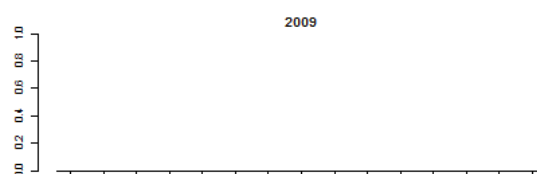
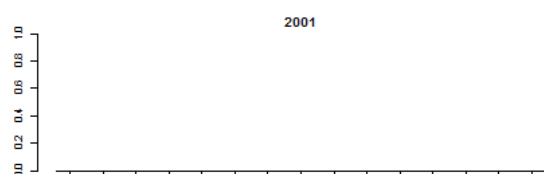
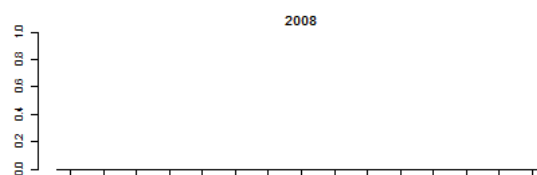
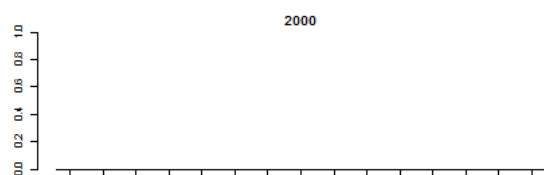
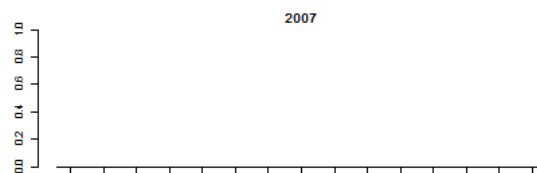
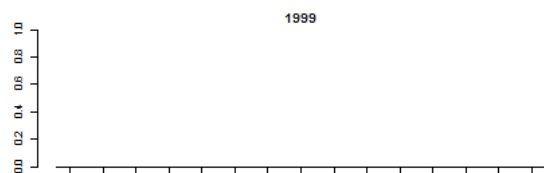
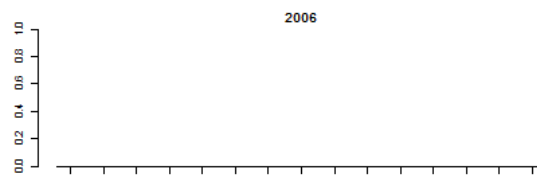
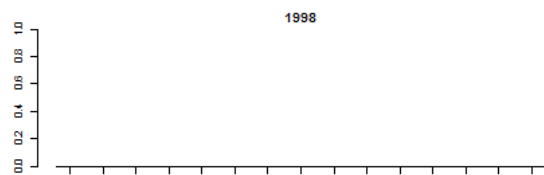
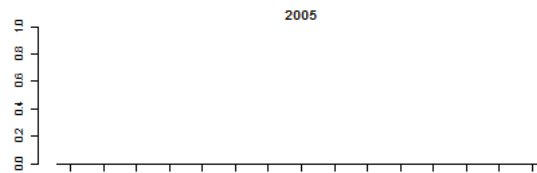
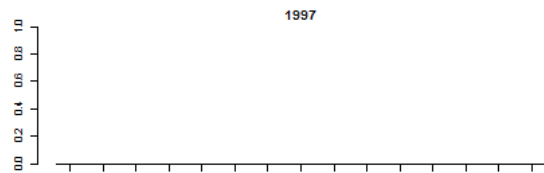
Bovenloop Waal (bemonstering vanaf 1997)



Getijden Lek (bemonstering vanaf 1998)

Geen Kesslers grondel gevangen.

Getijden Maas (bemonstering vanaf 1998)



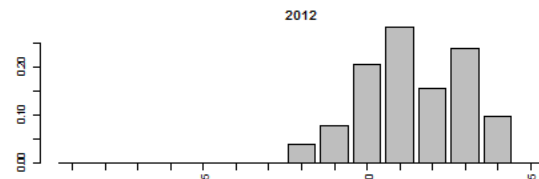
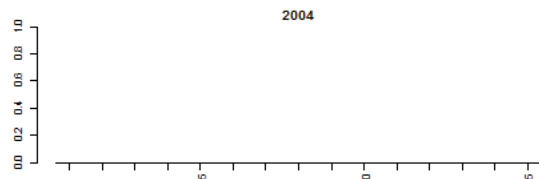
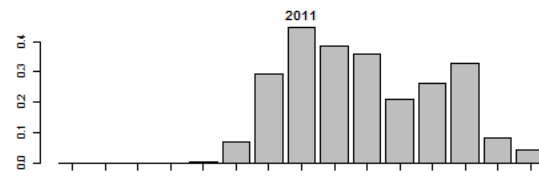
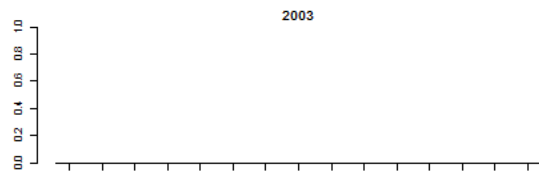
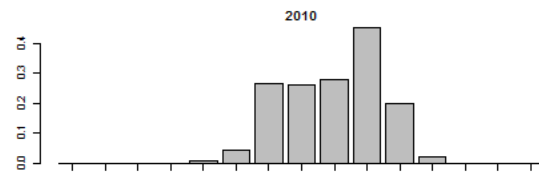
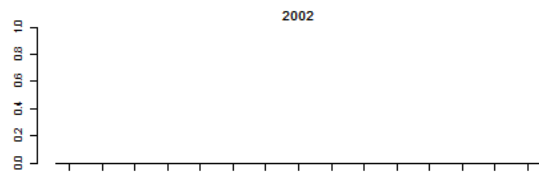
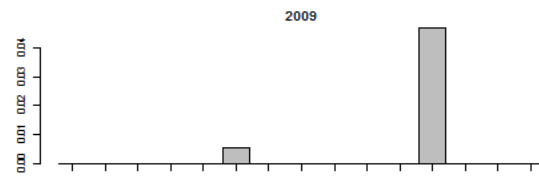
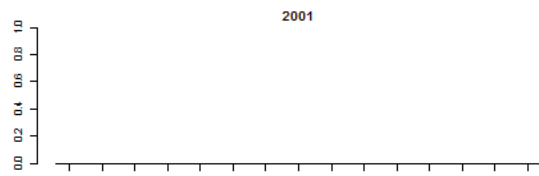
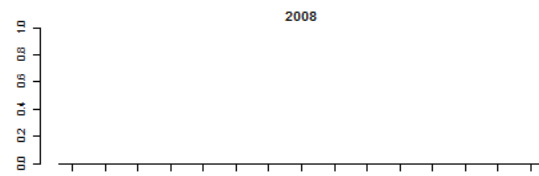
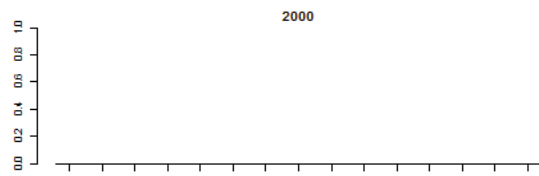
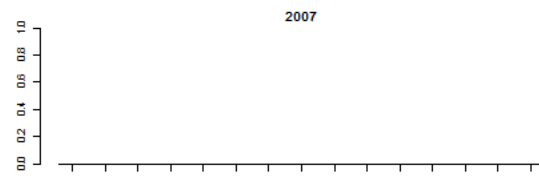
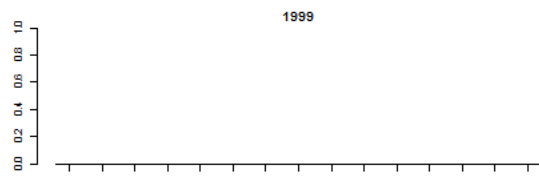
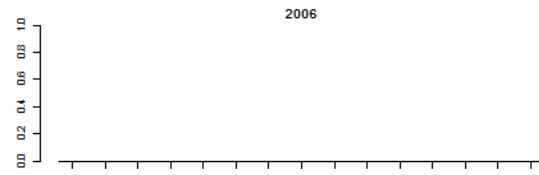
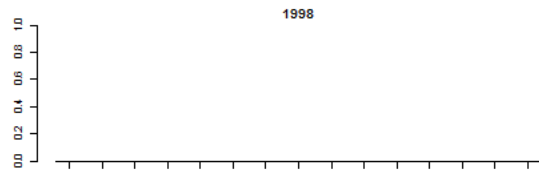
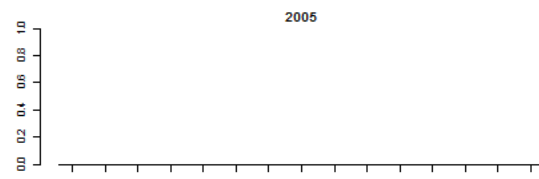
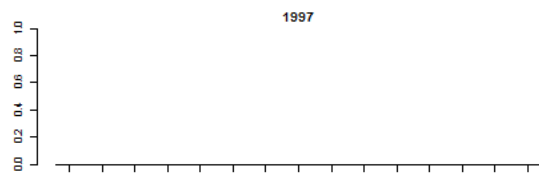
Grensmaas (bemonstering vanaf 1997)

Geen Kesslers grondel gevangen.

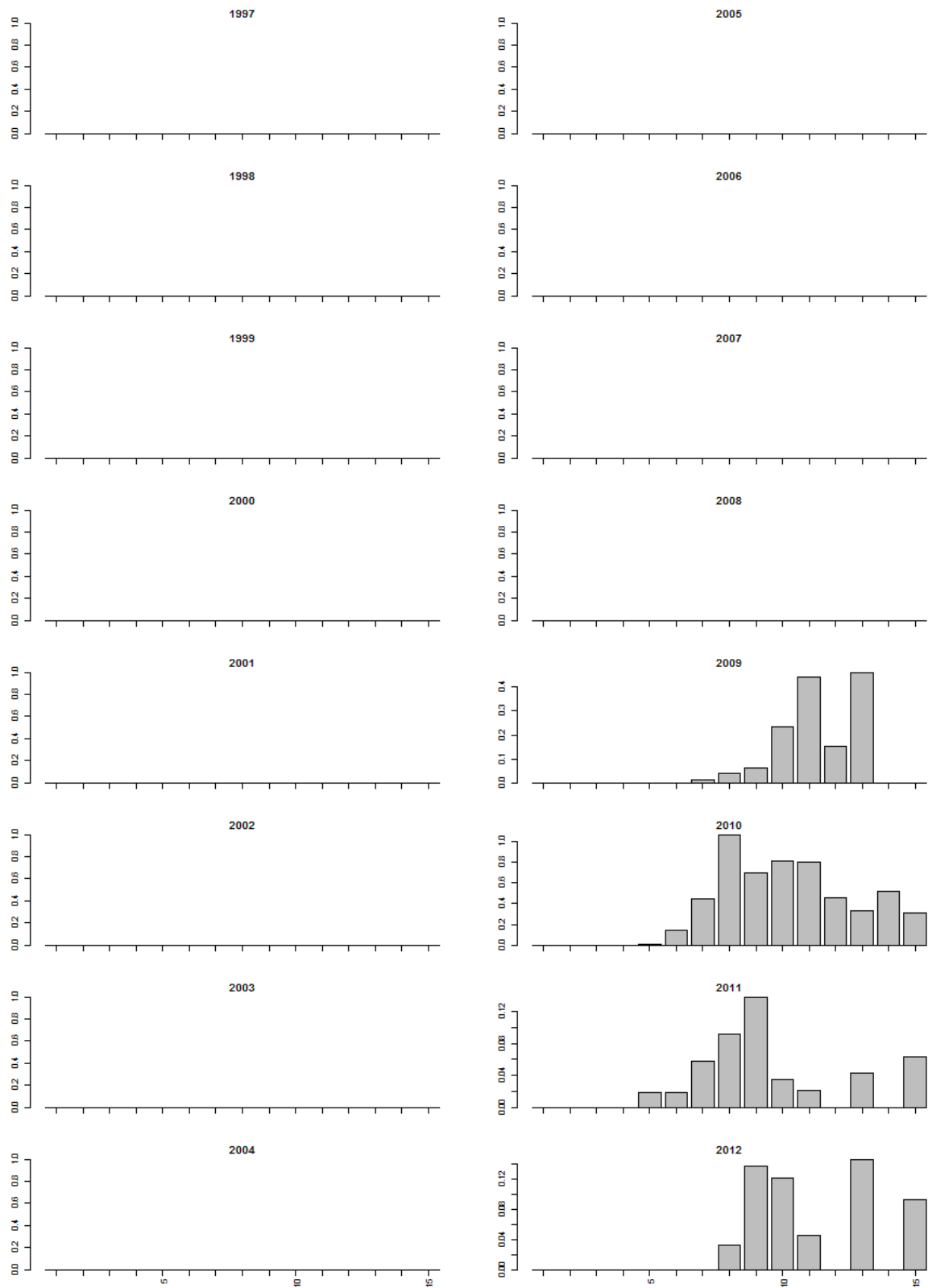
Grevelingen (alleen bemonsterd in 2008 en 2011)

Geen Kesslers grondel gevangen.

Hollands diep (bemonstering vanaf 1997)



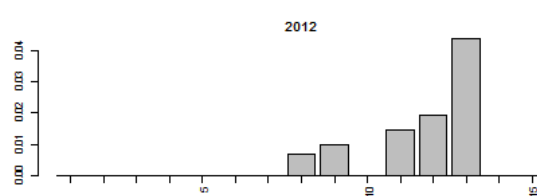
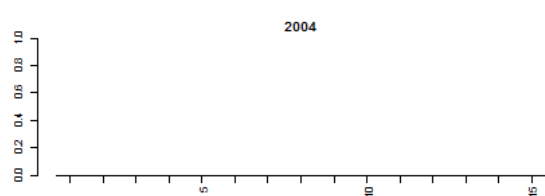
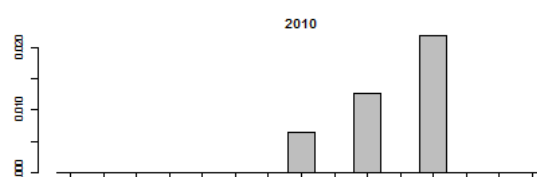
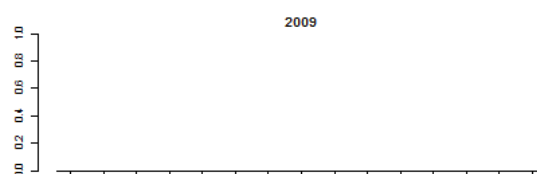
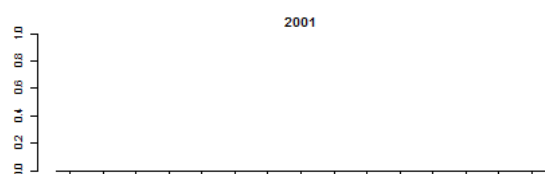
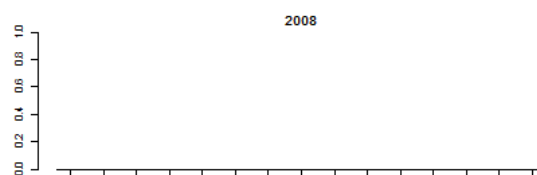
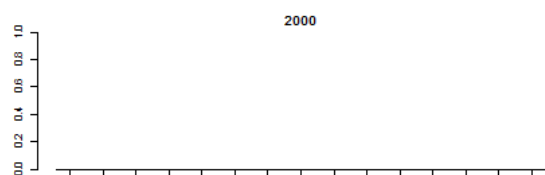
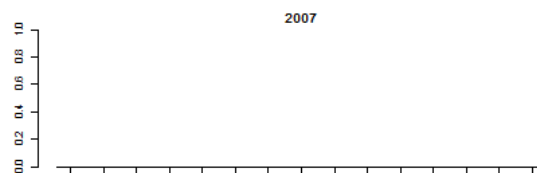
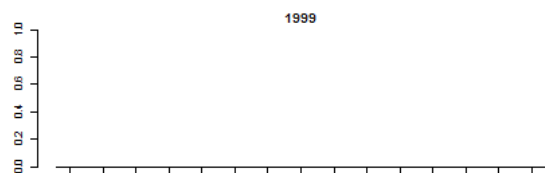
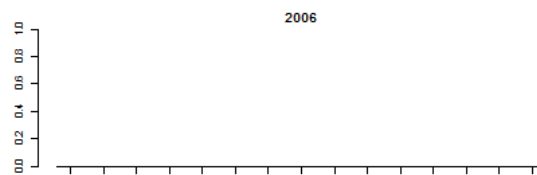
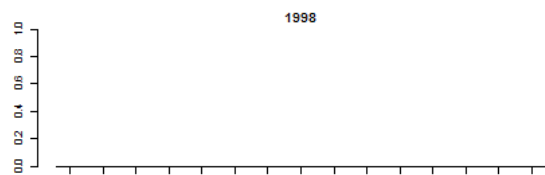
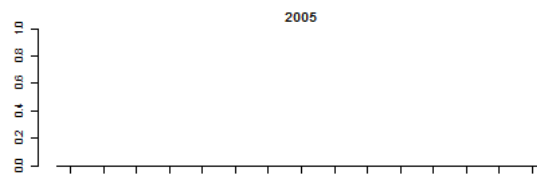
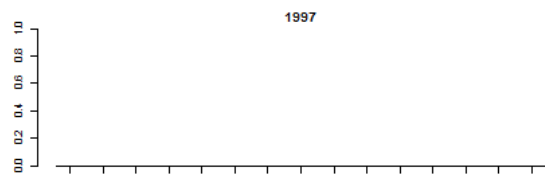
Nieuwe Merwede (bemonstering vanaf 1997)



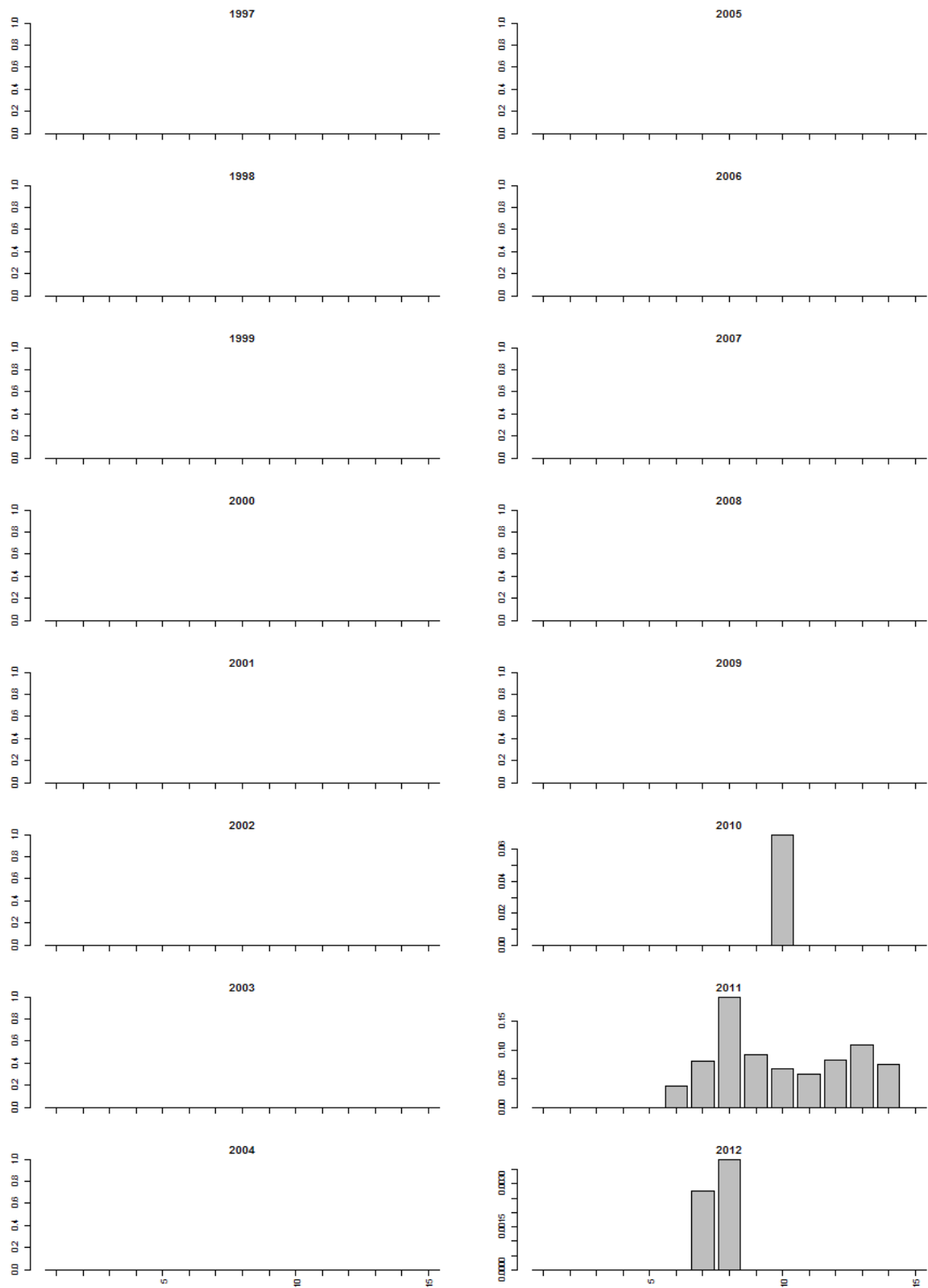
Noordzeekanaal (alleen bemonsterd in 2009 en 2012).

Geen Kesslers grondel gevangen.

Oude Maas (bemonstering vanaf 1997)



Rijn (bemonstering vanaf 1997)



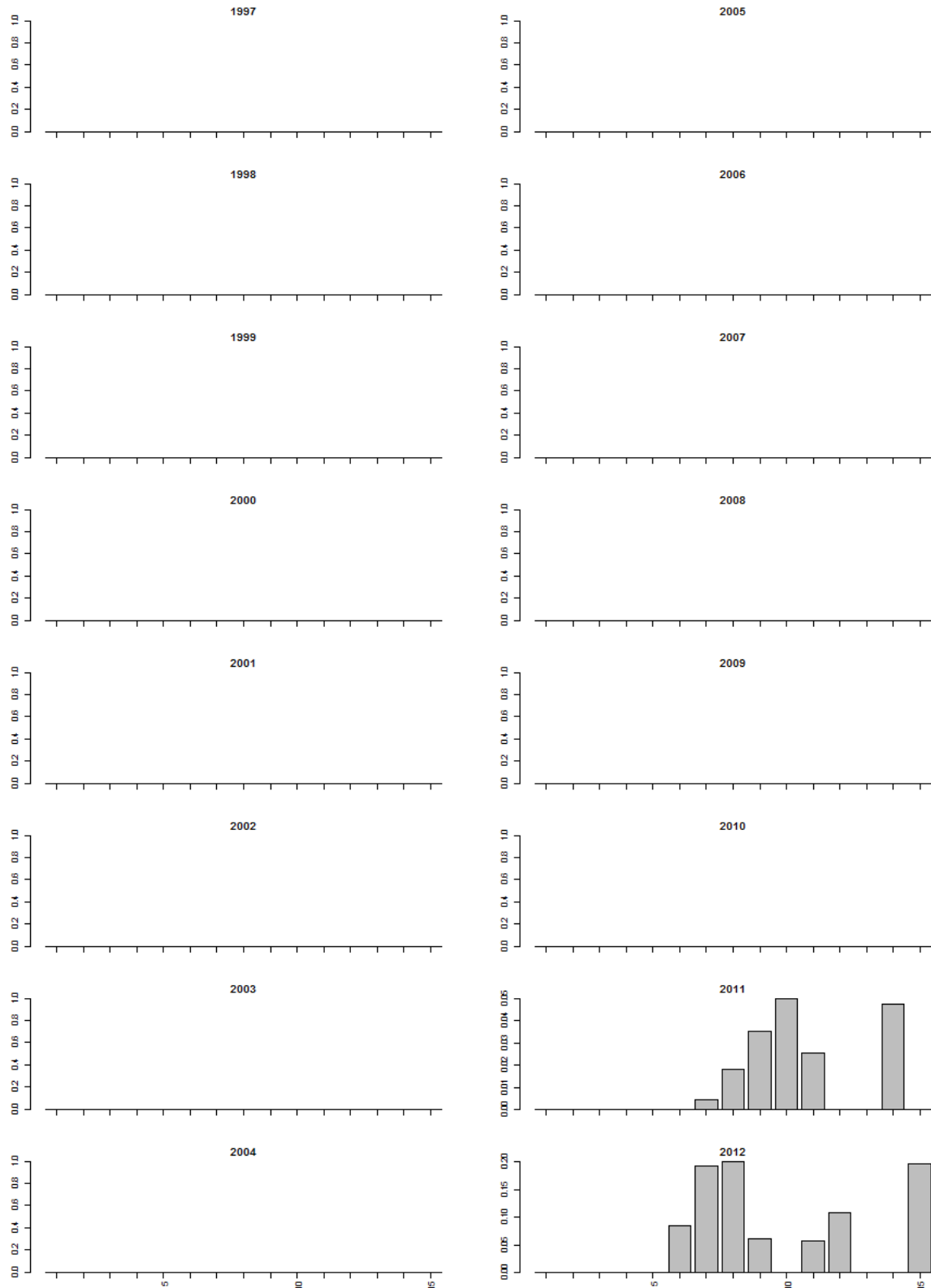
Twentekanaal (alleen bemonsterd in 2009)

Geen Kesslers grondel gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

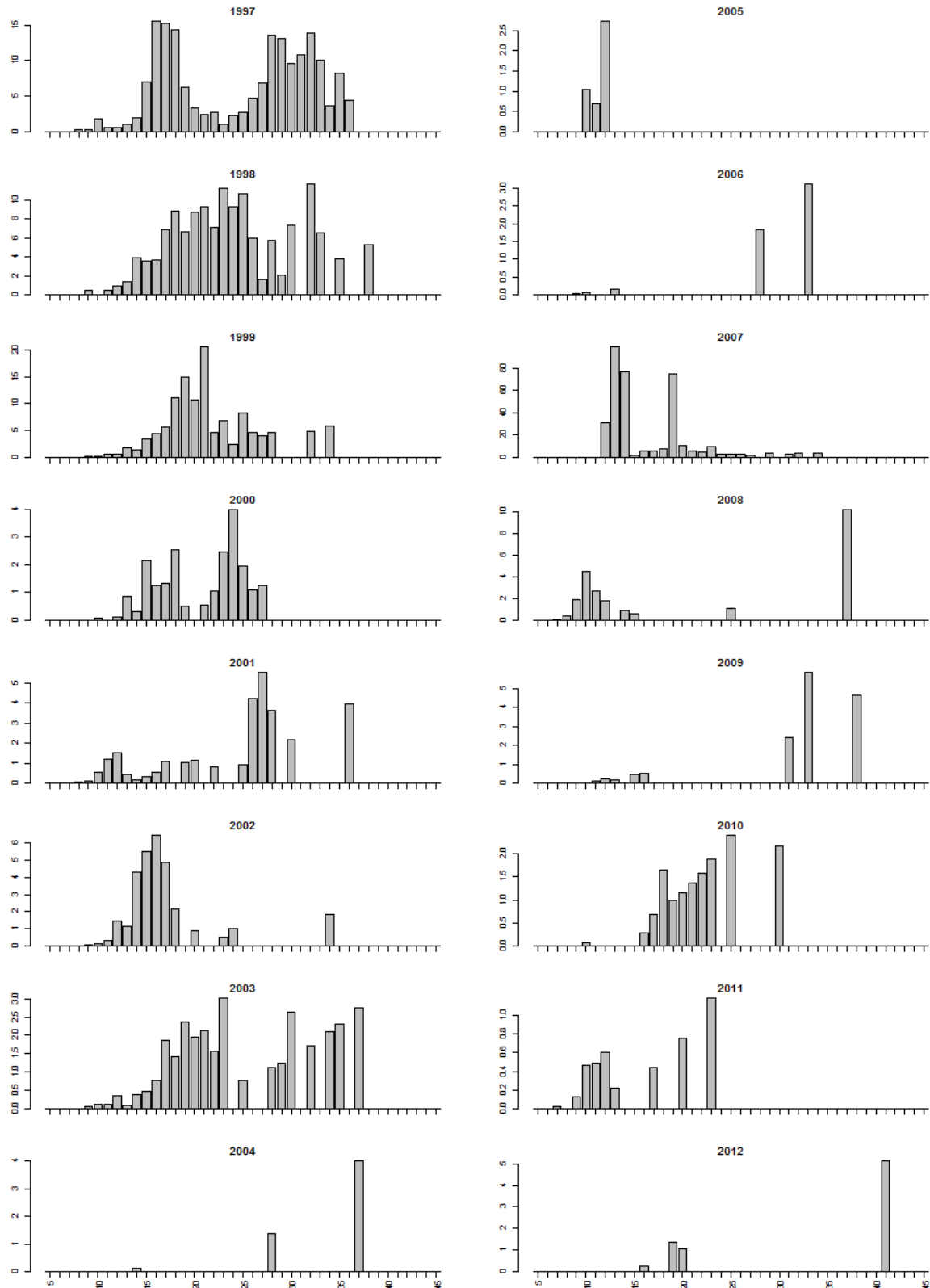
Geen Kesslers grondel gevangen.

Zandmaas (bemonstering vanaf 2008)

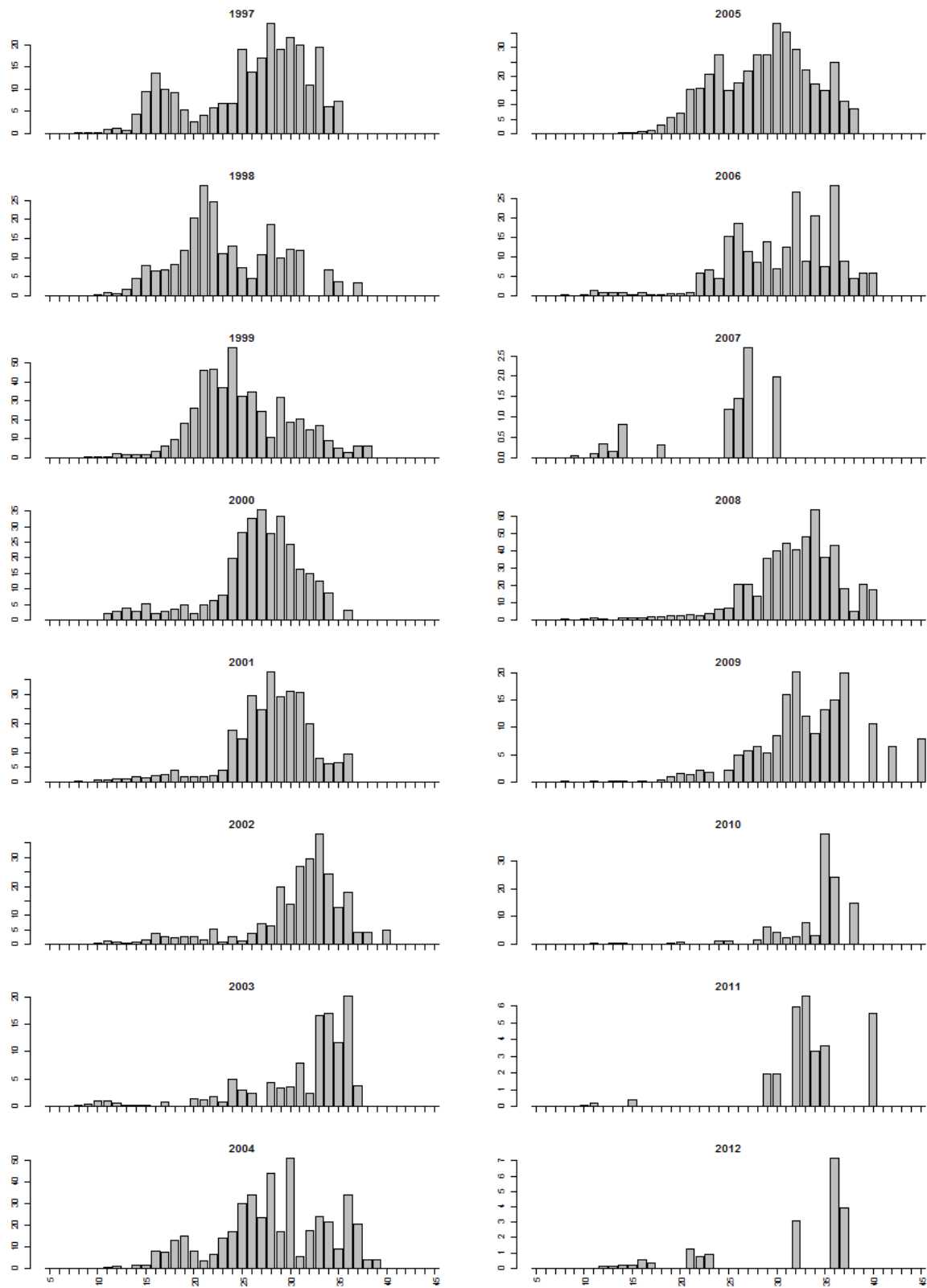


Figuur VII.9 Kolblei lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

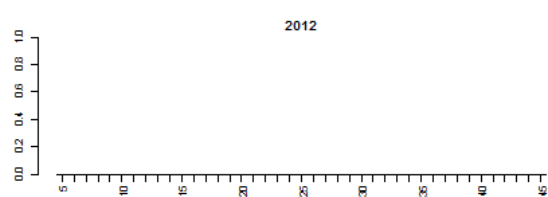
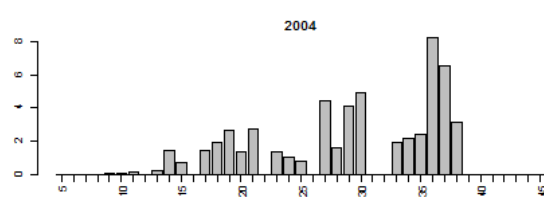
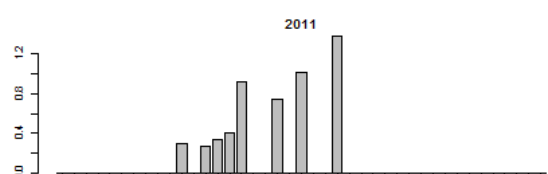
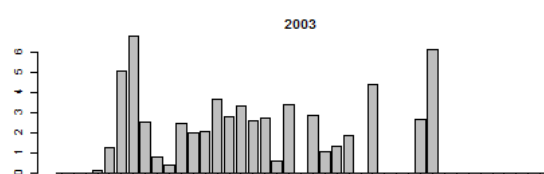
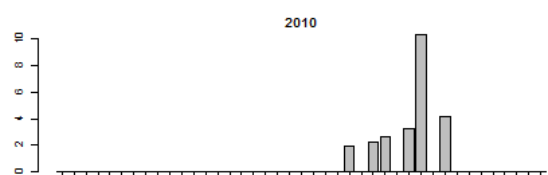
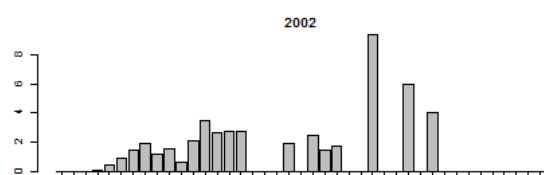
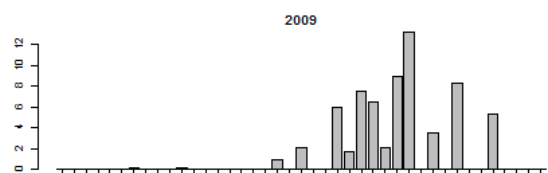
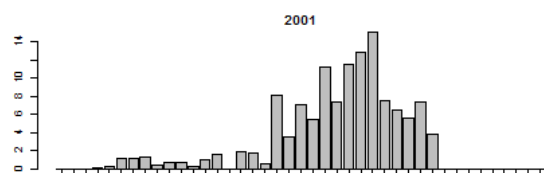
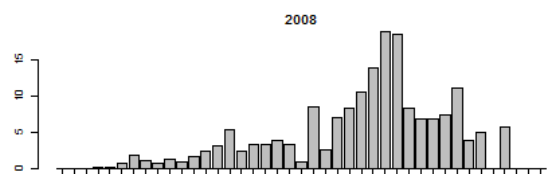
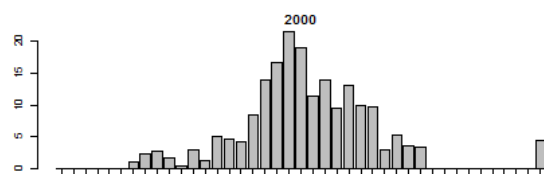
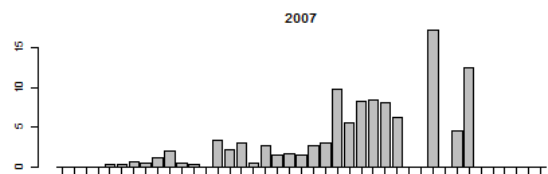
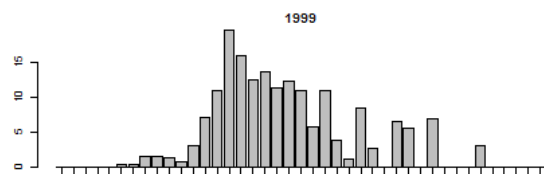
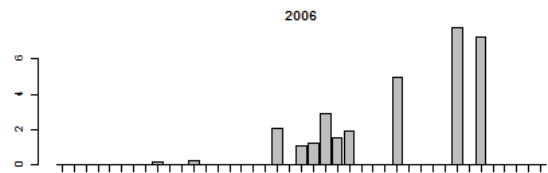
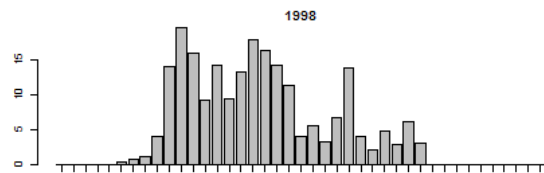
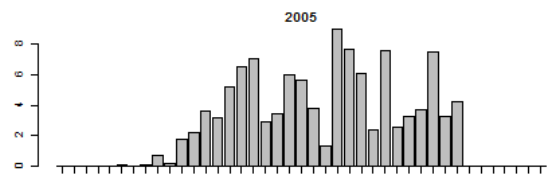
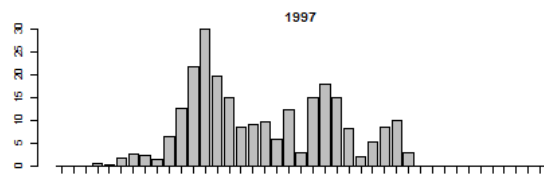
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



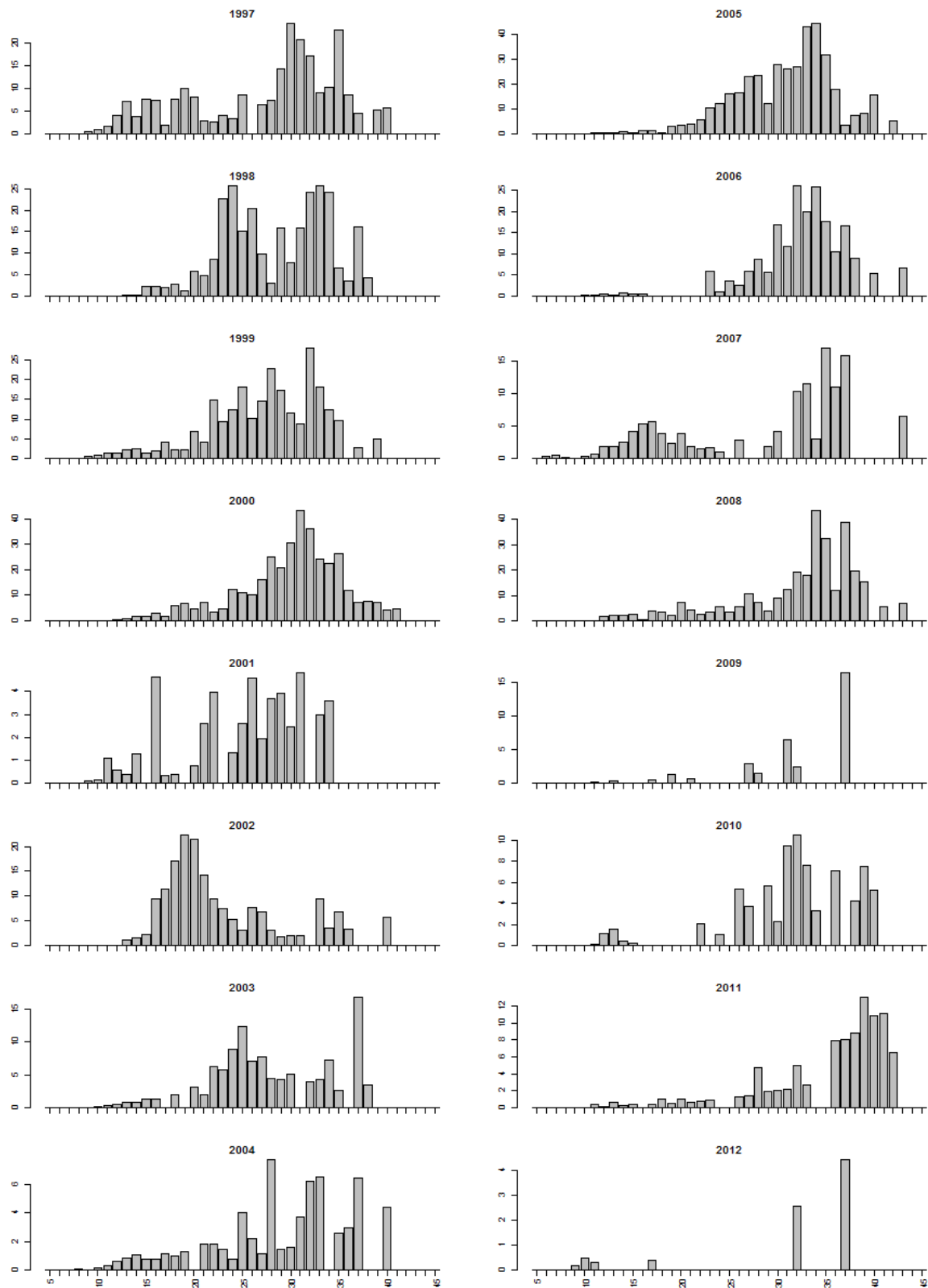
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



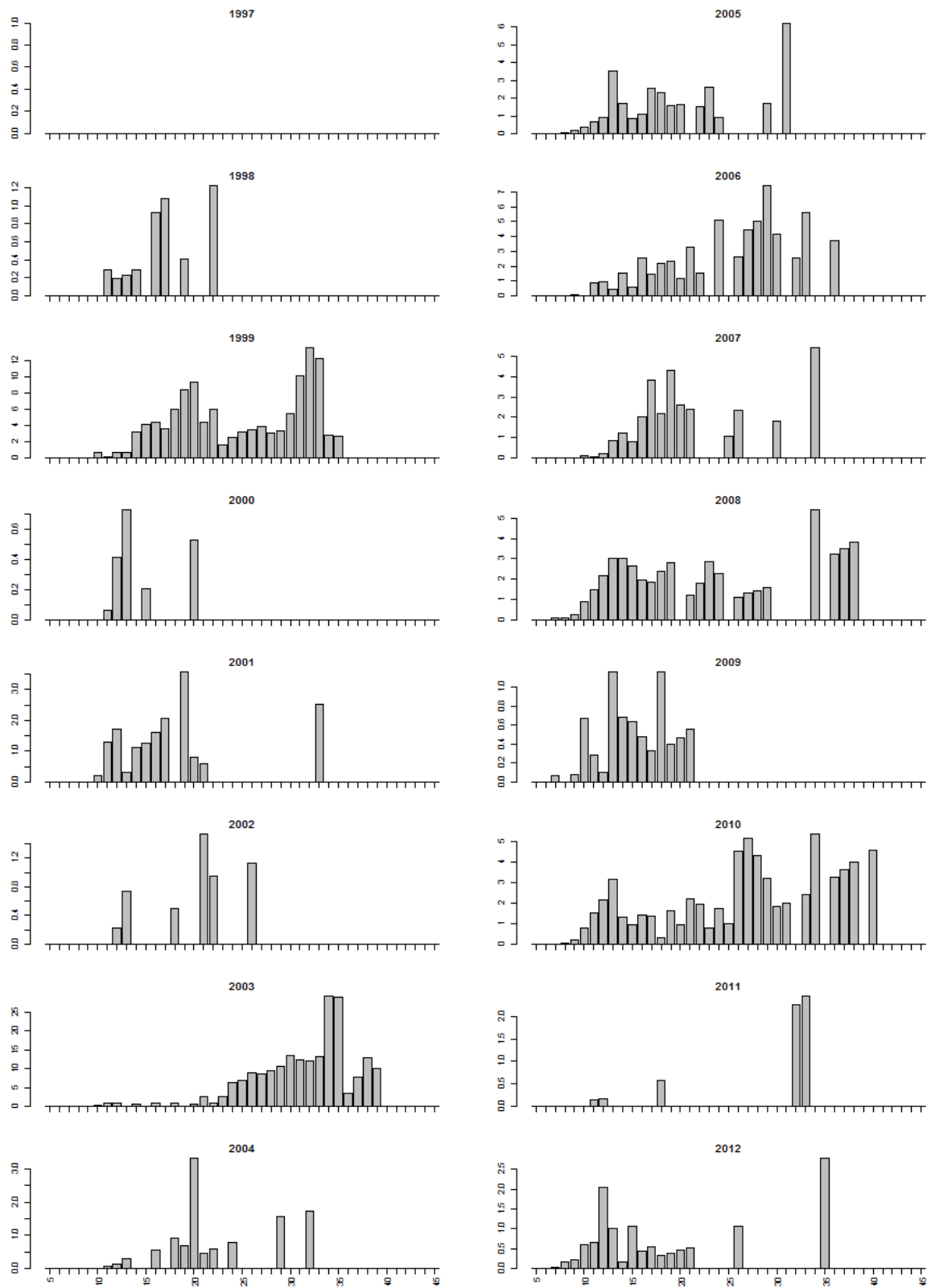
Bovenloop Nederrijn (bemonstering vanaf 1997)



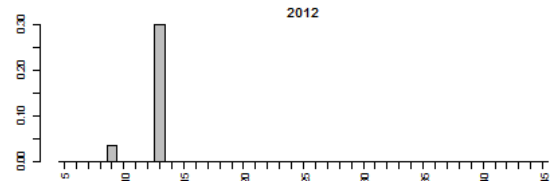
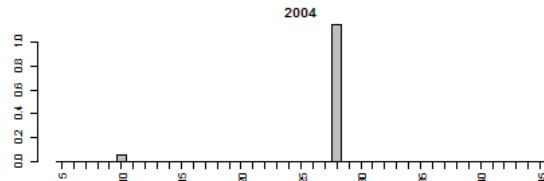
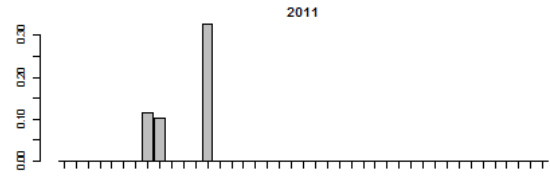
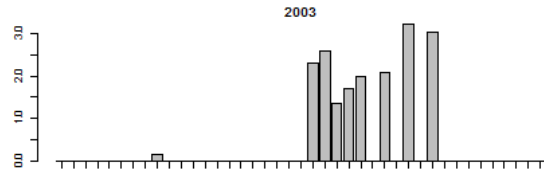
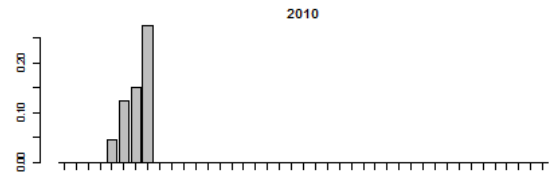
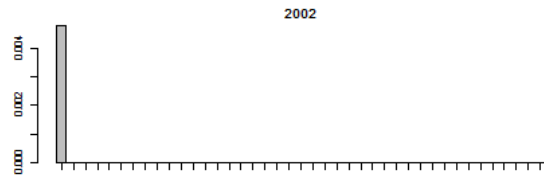
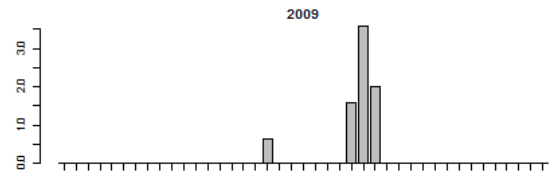
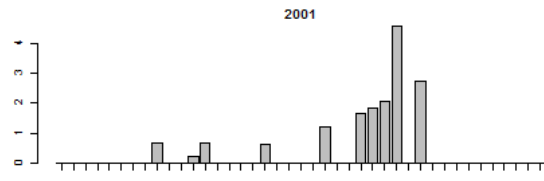
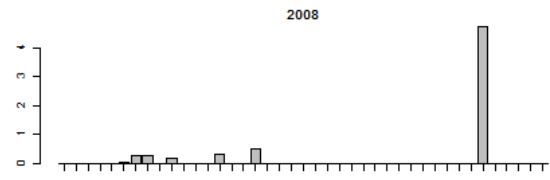
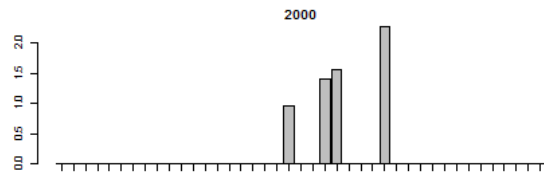
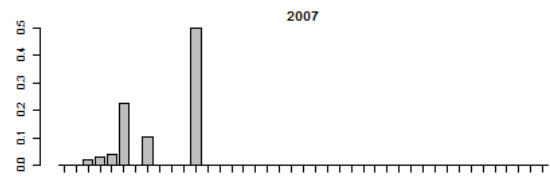
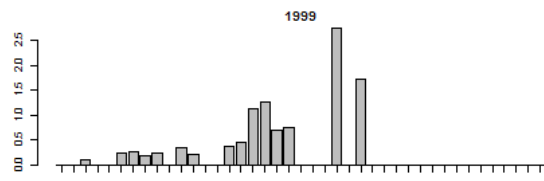
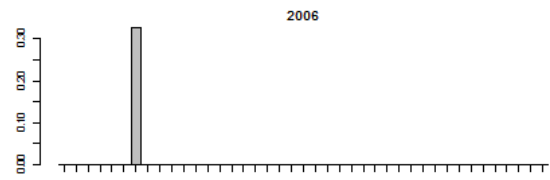
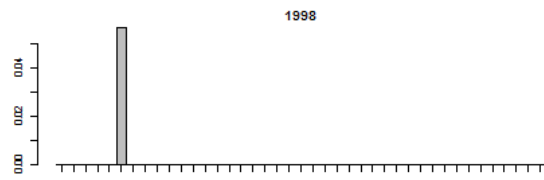
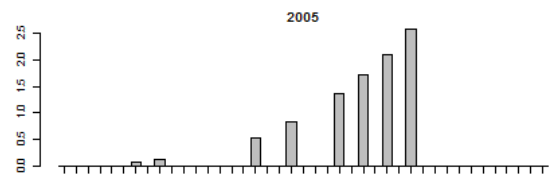
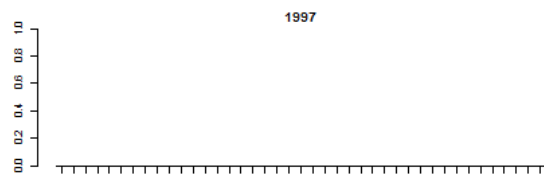
Bovenloop Waal (bemonstering vanaf 1997)



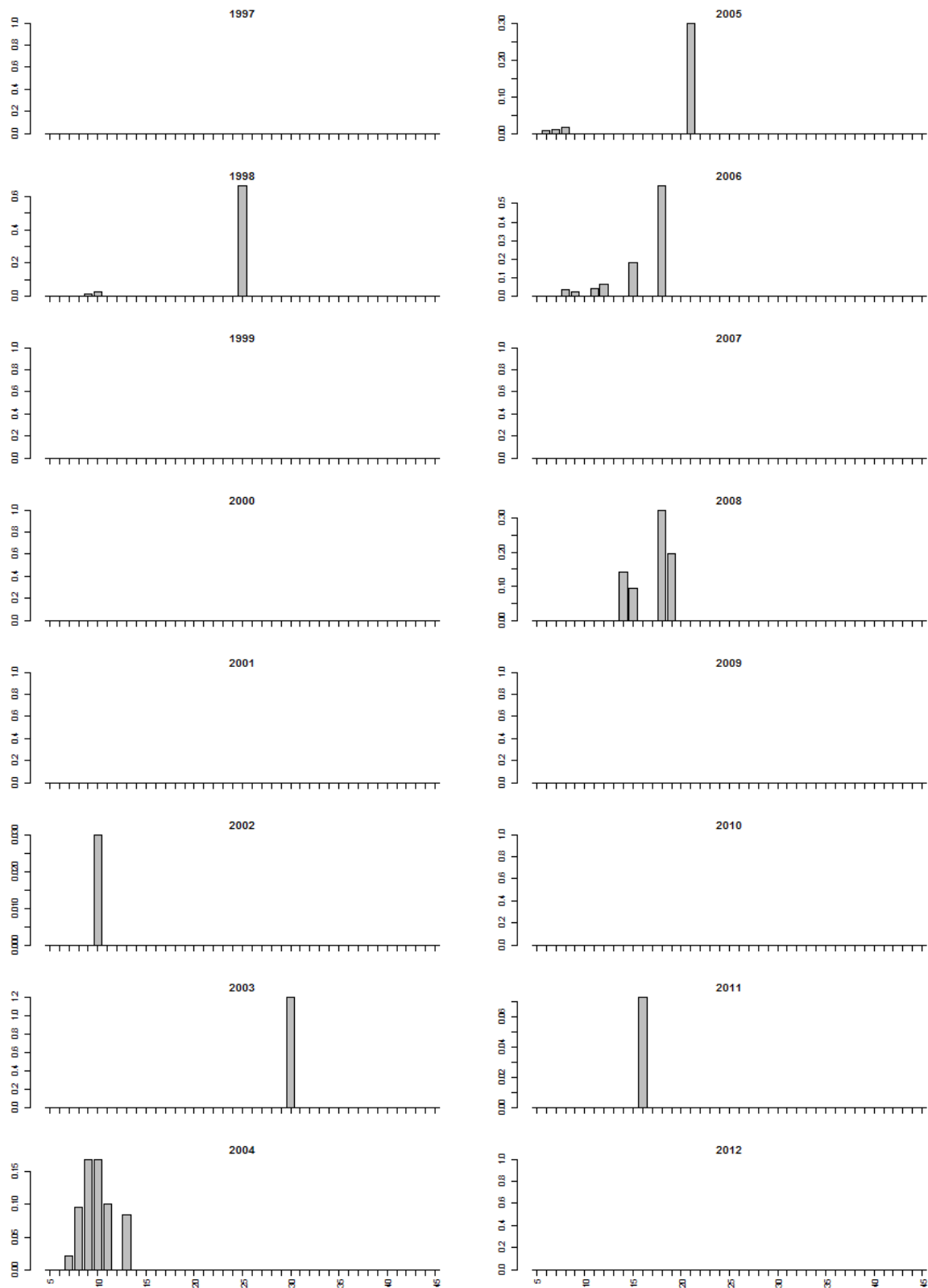
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

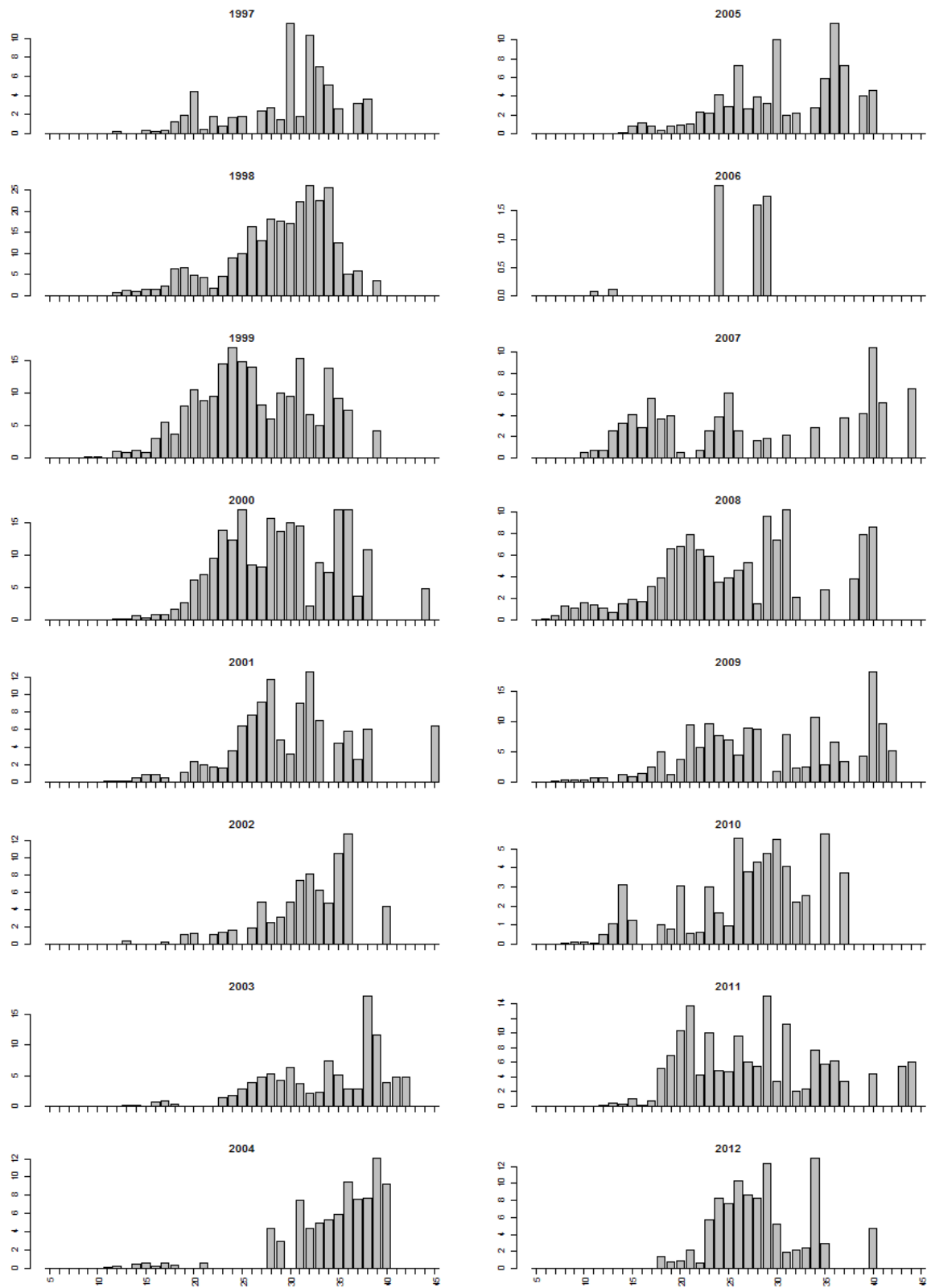


Grensmaas (bemonstering vanaf 1997)

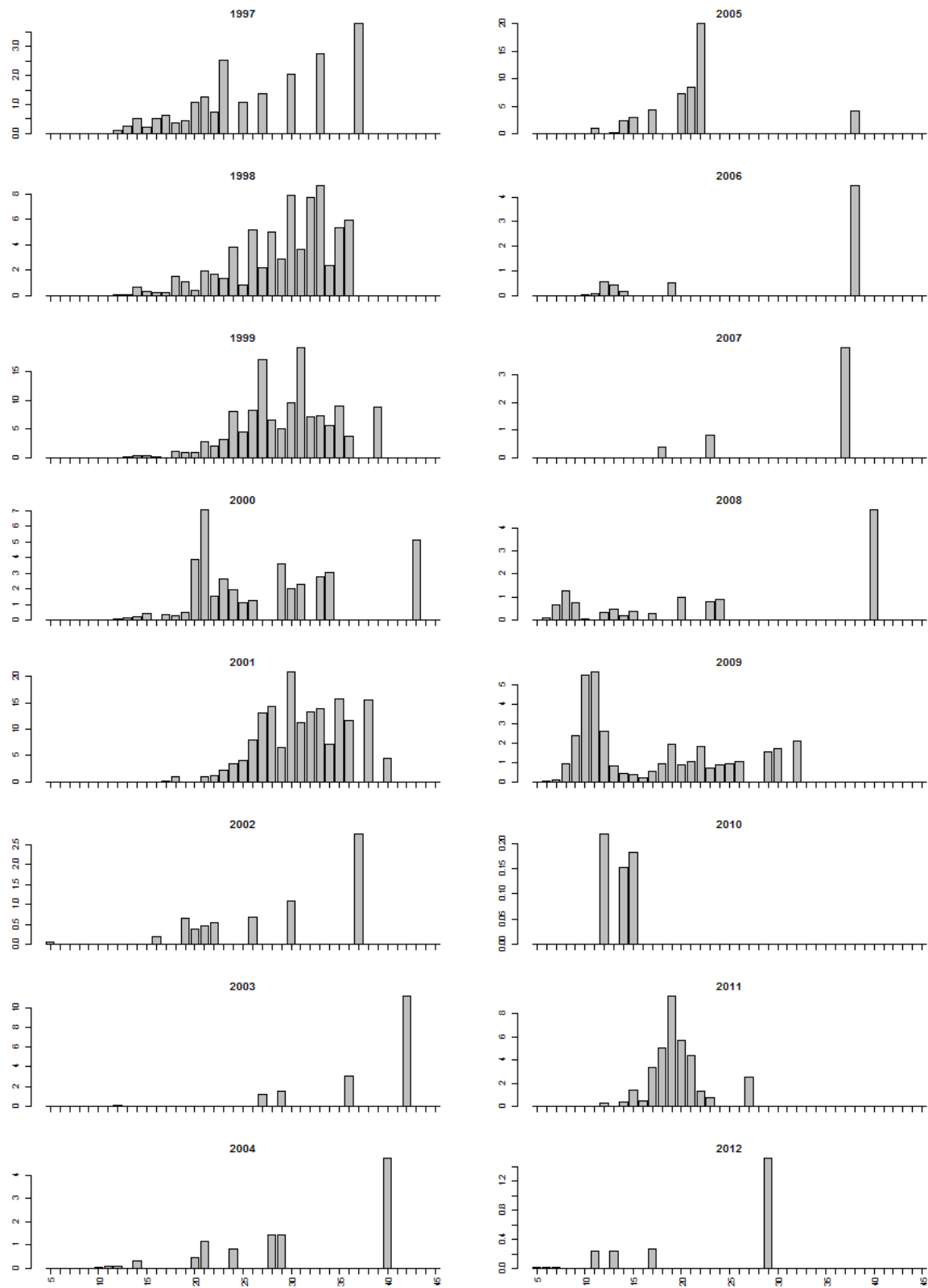


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen kollei gevangen.

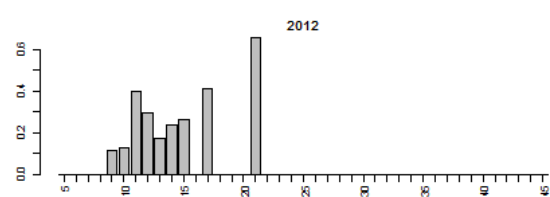
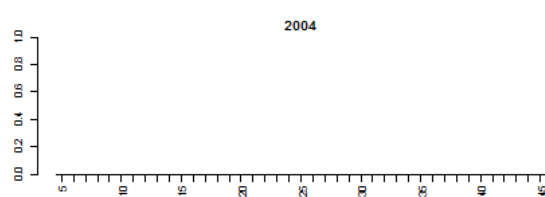
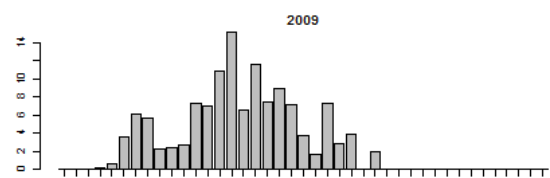
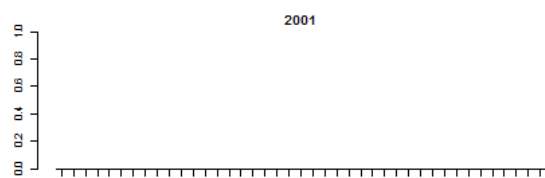
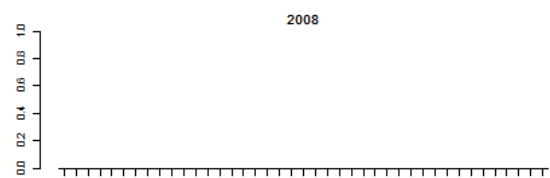
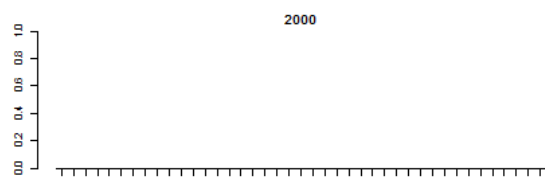
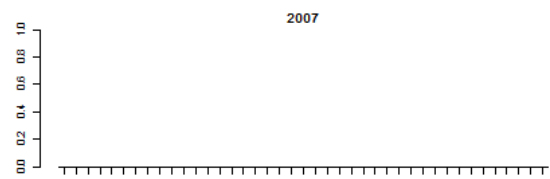
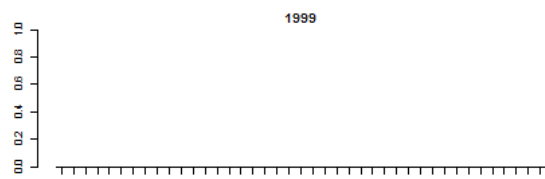
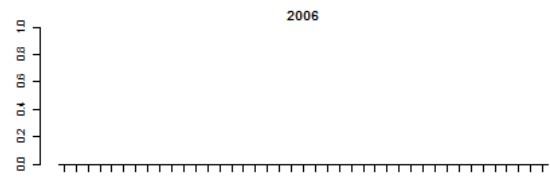
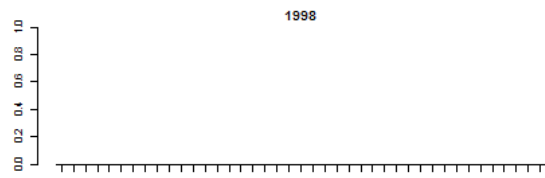
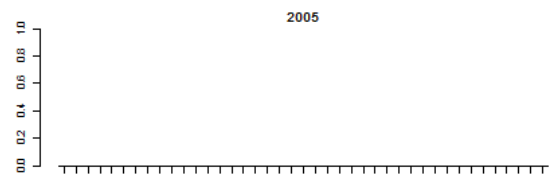
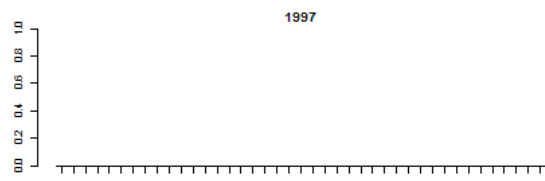
Hollands diep (bemonstering vanaf 1997)



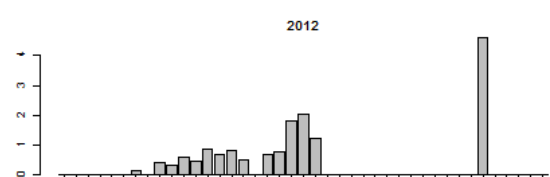
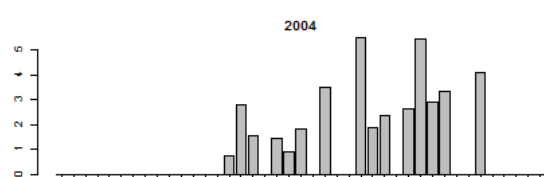
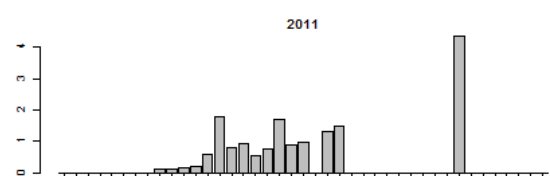
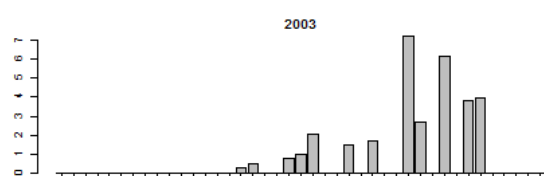
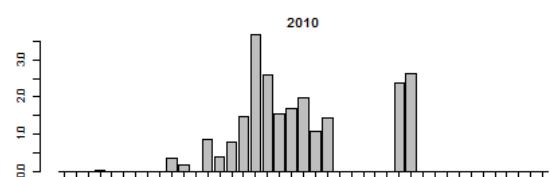
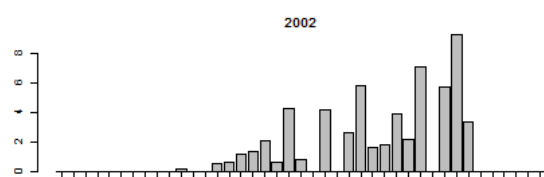
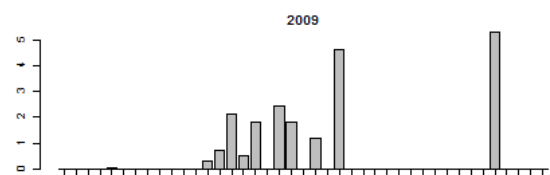
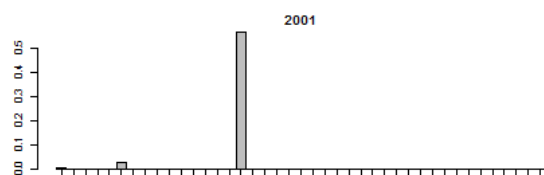
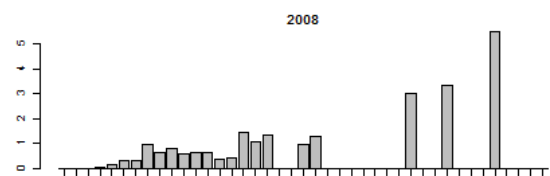
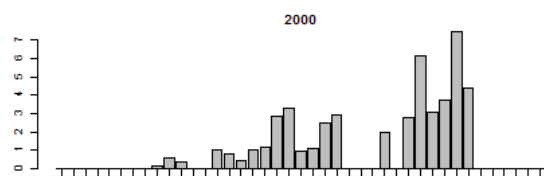
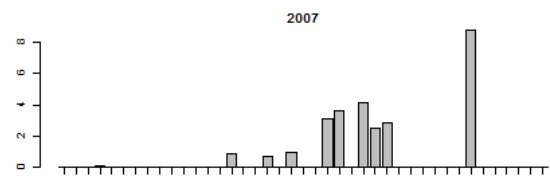
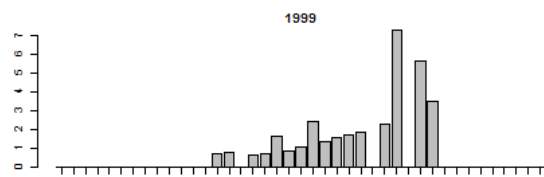
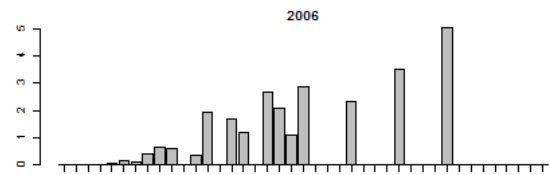
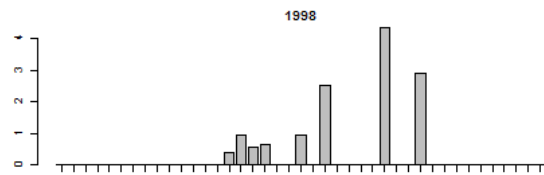
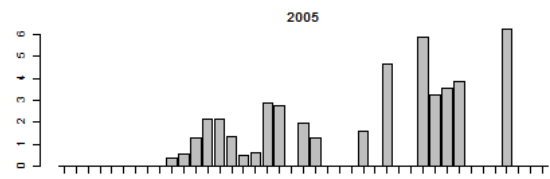
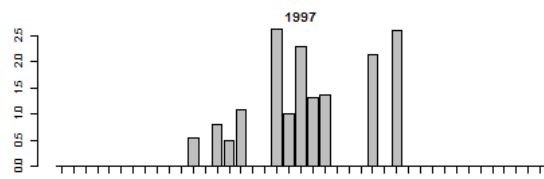
Nieuwe Merwede (bemonstering vanaf 1997)



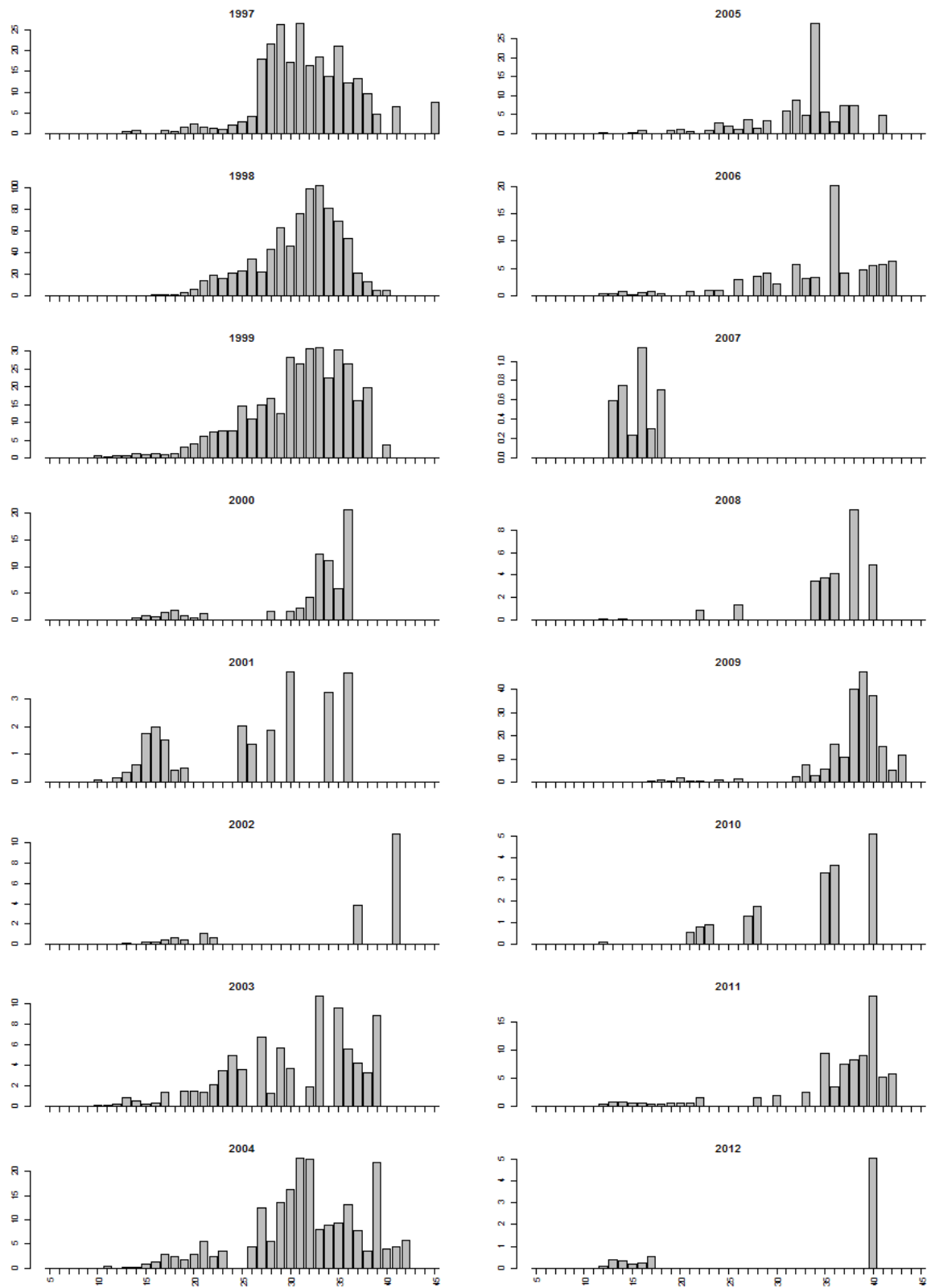
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



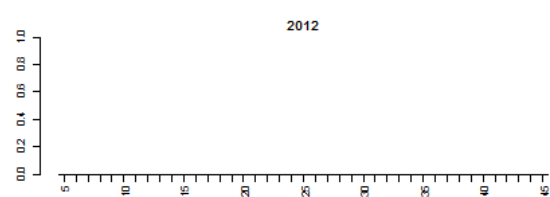
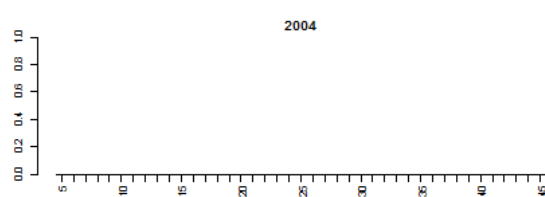
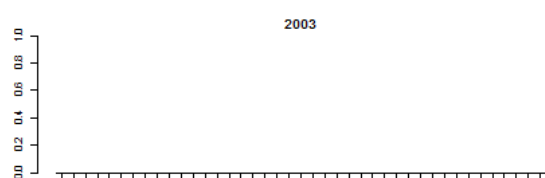
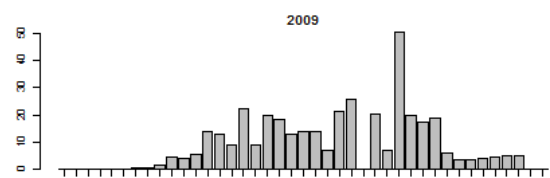
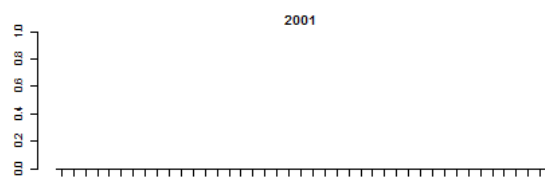
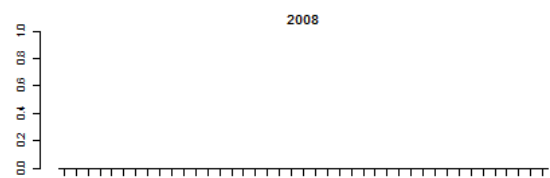
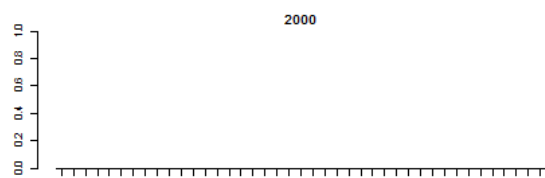
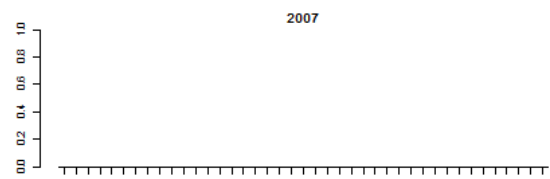
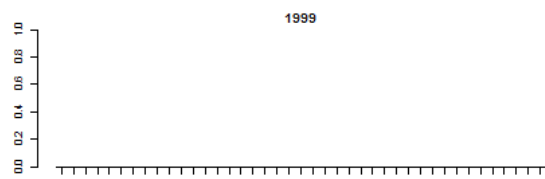
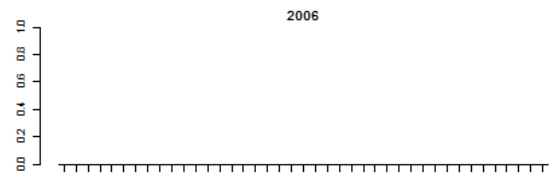
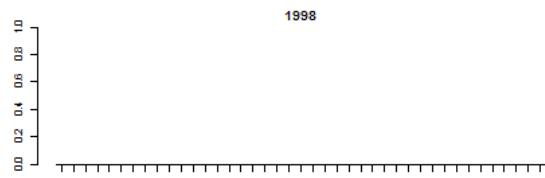
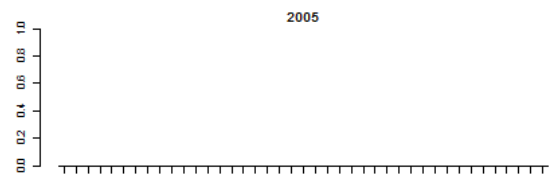
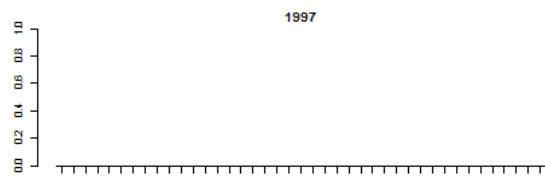
Oude Maas (bemonstering vanaf 1997)



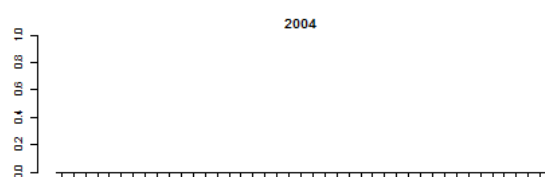
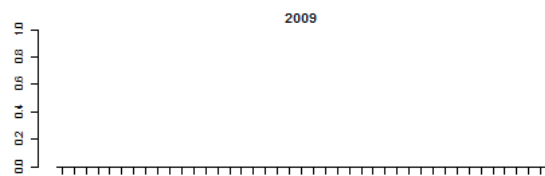
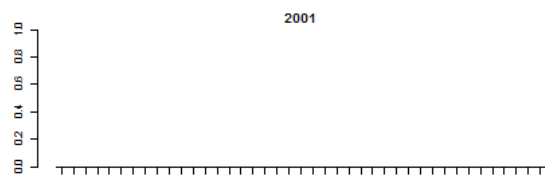
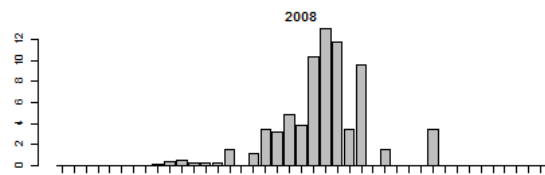
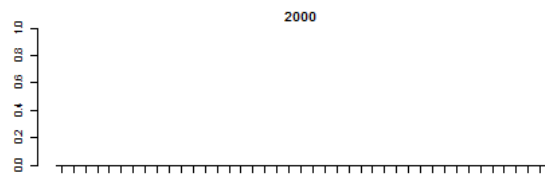
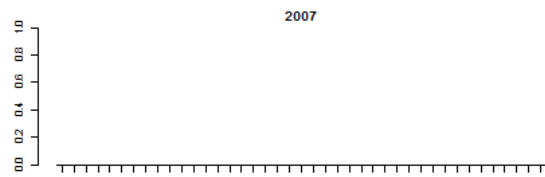
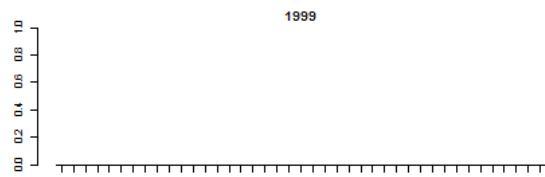
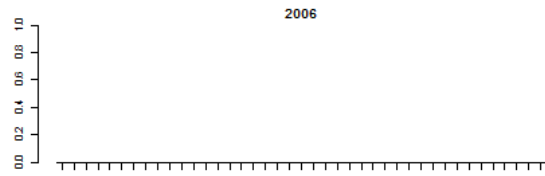
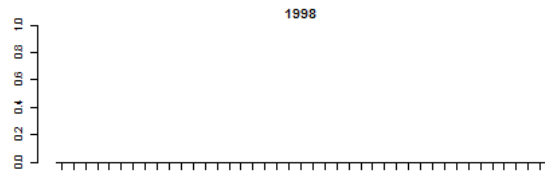
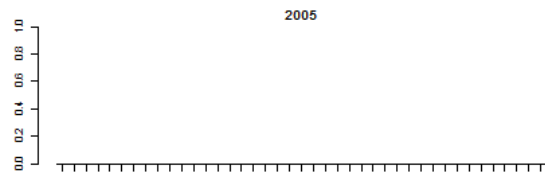
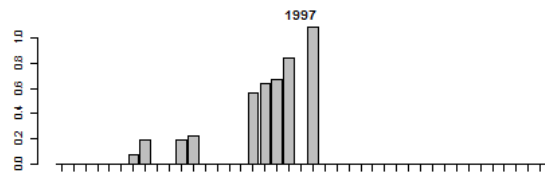
Rijn (bemonstering vanaf 1997)



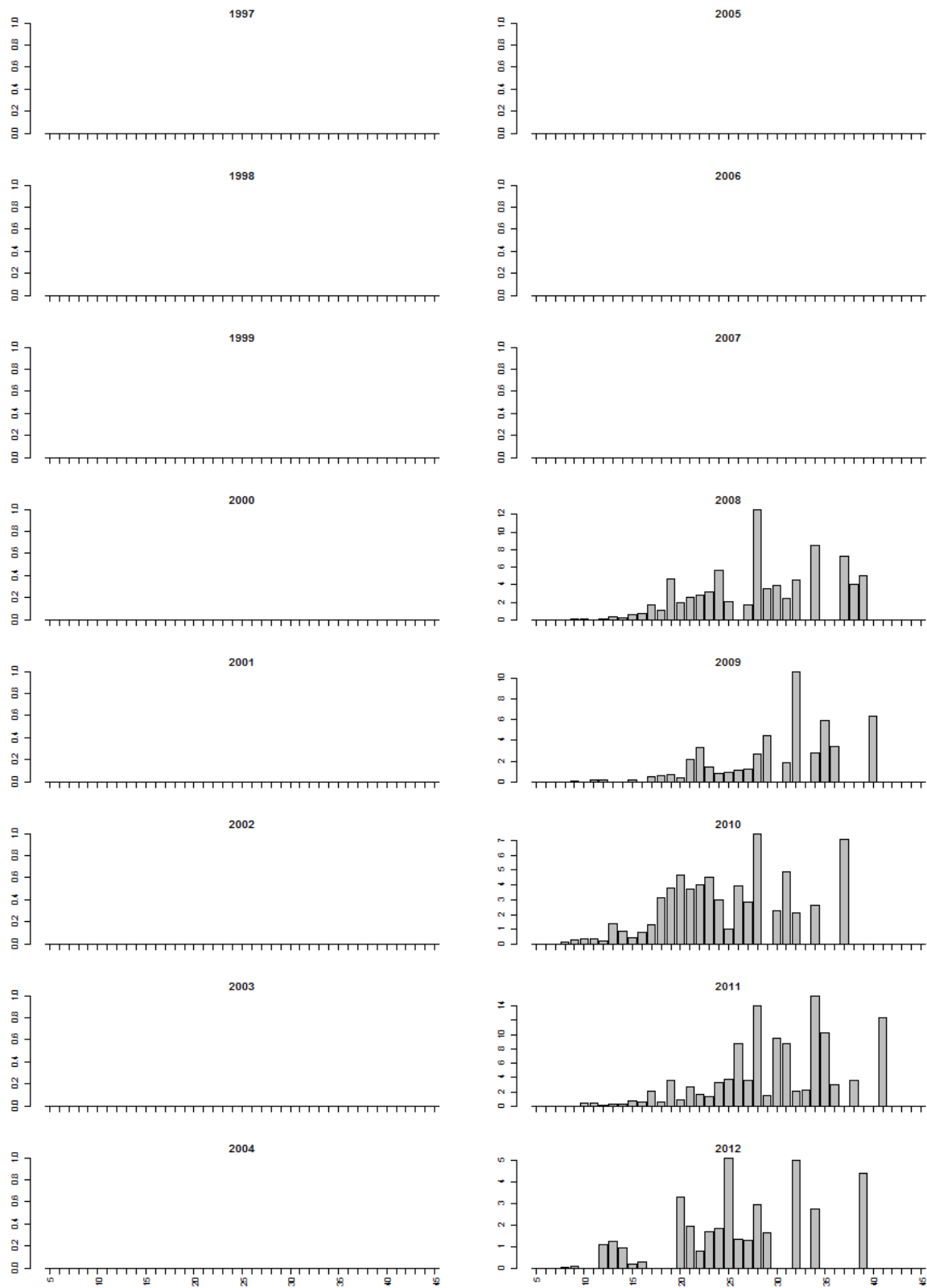
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

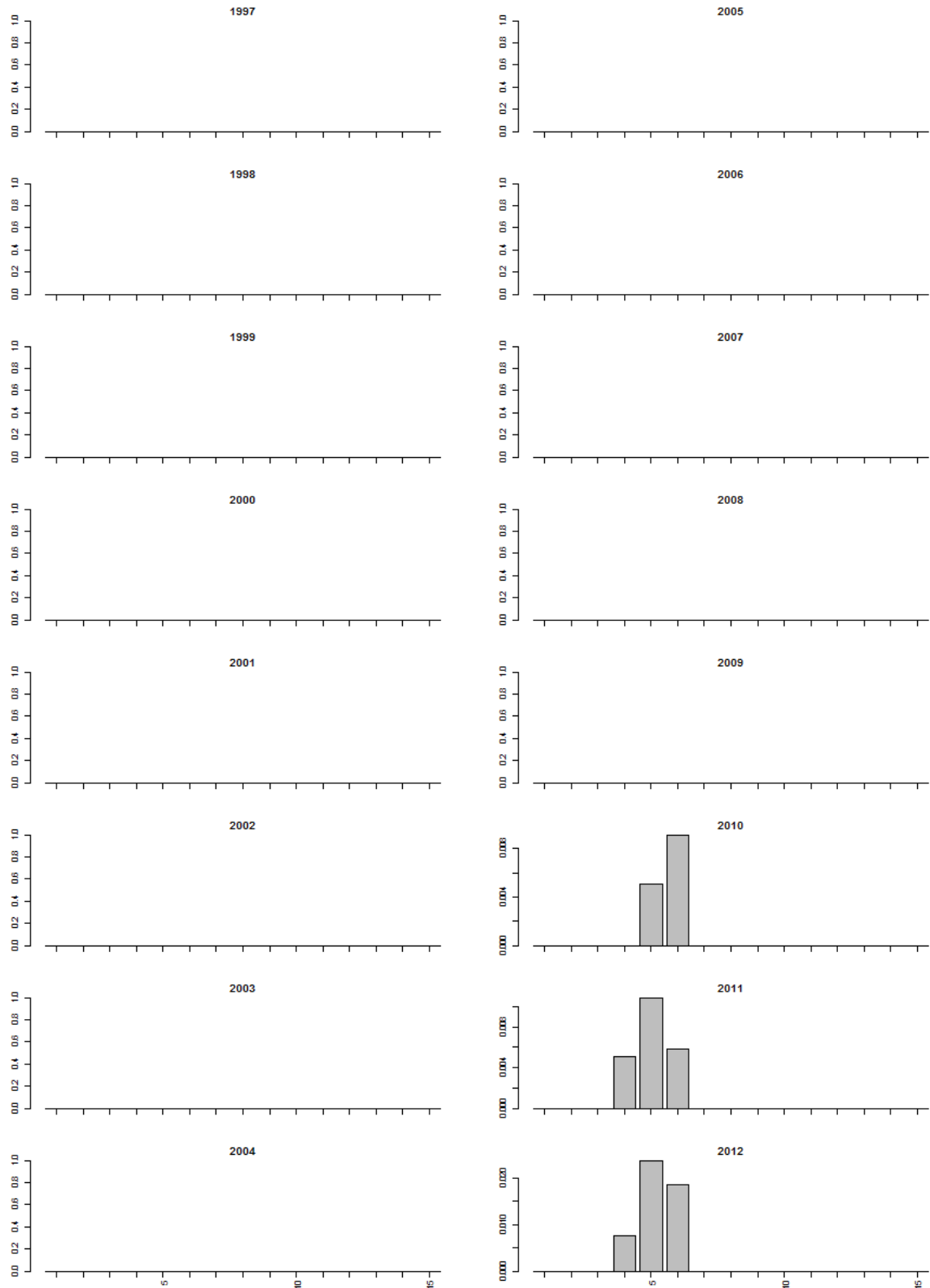


Zandmaas (bemonstering vanaf 2008)

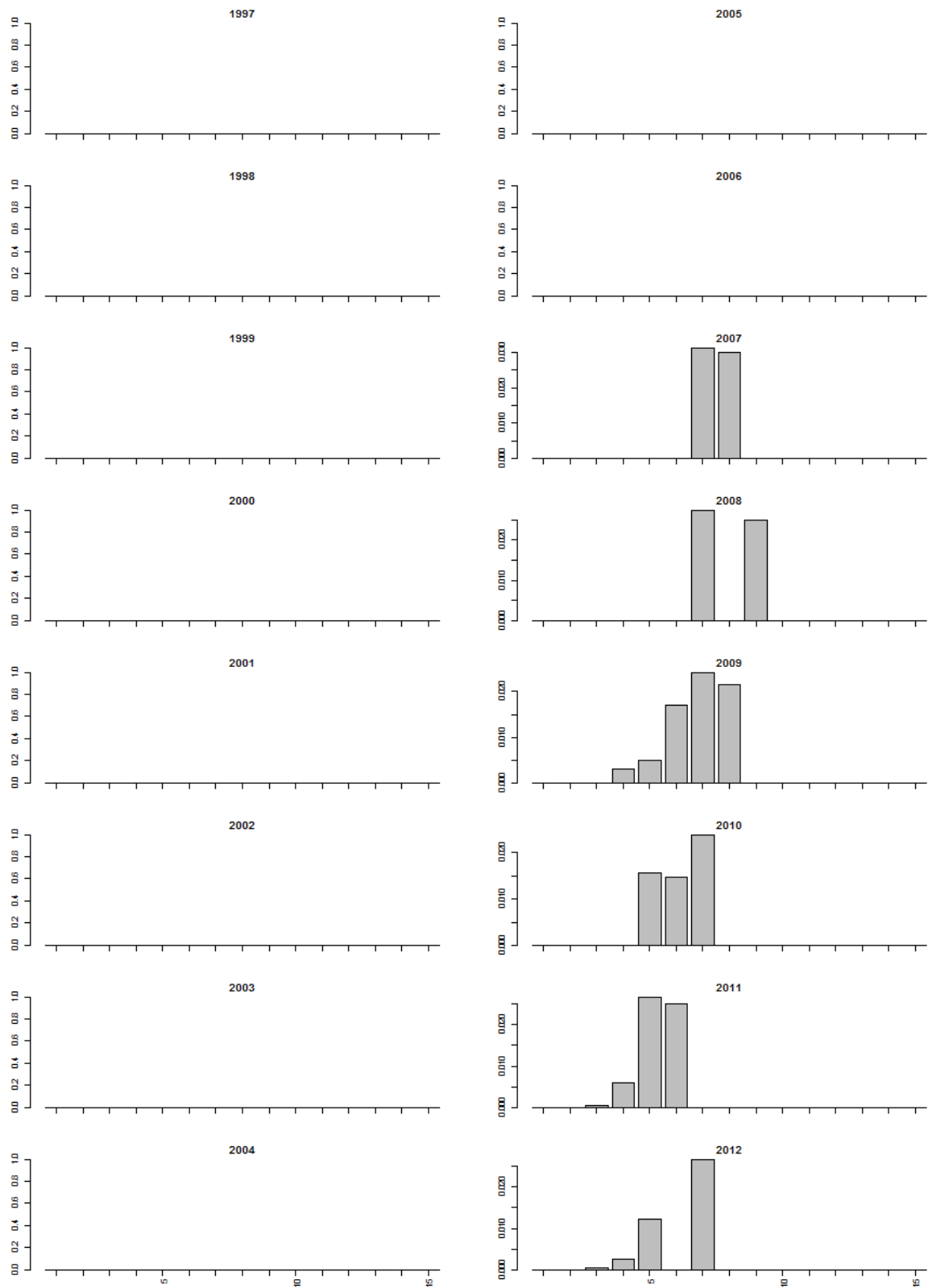


Figuur VII.10 Marmergrondel lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

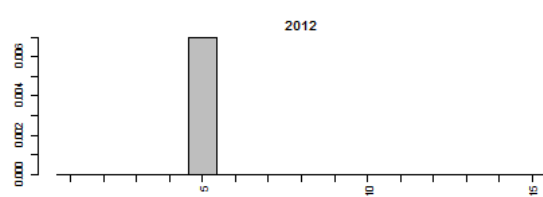
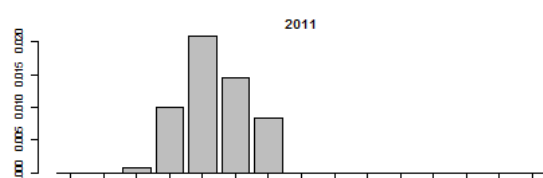
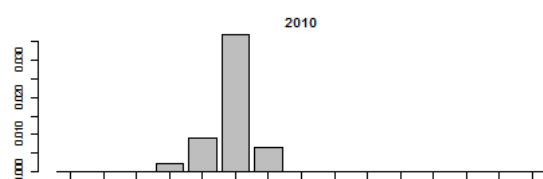
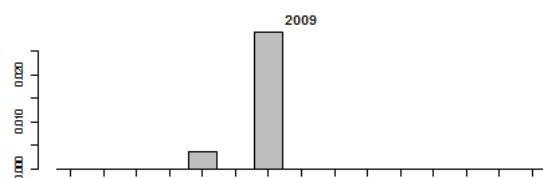
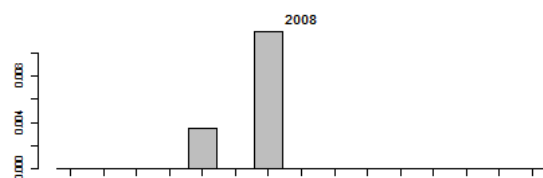
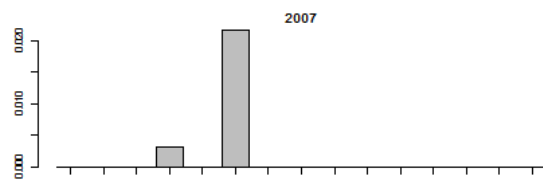
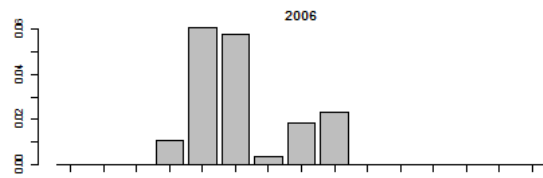
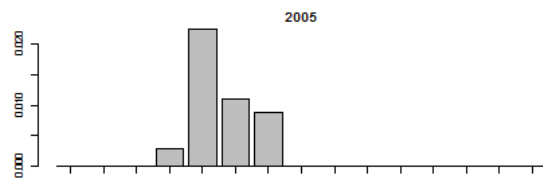
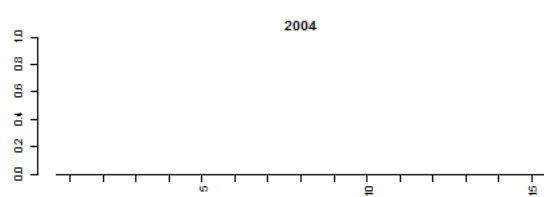
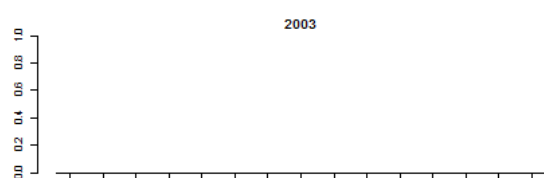
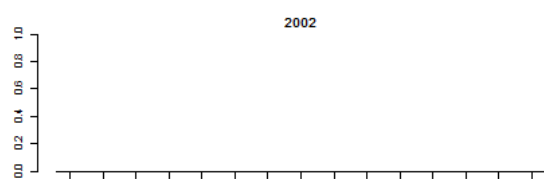
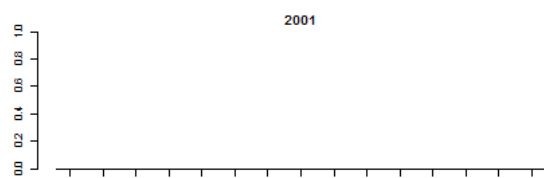
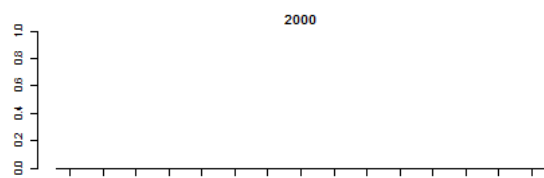
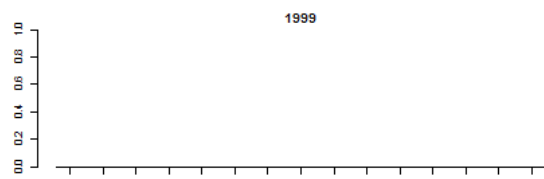
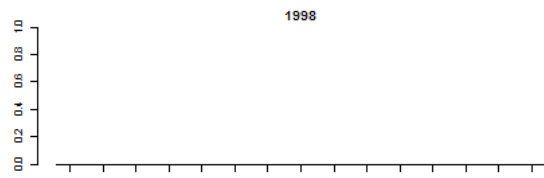
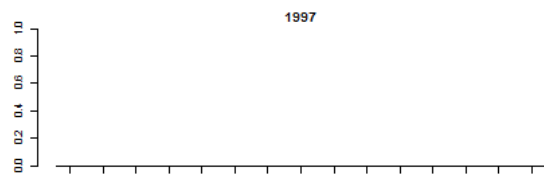
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



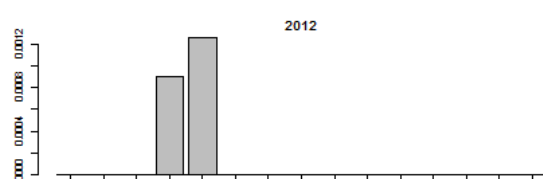
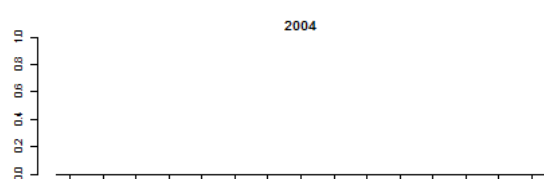
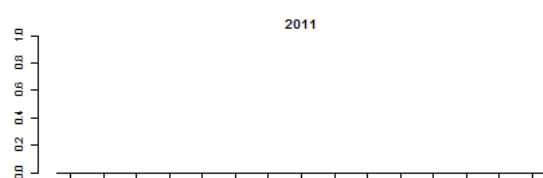
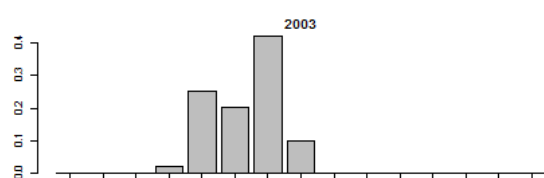
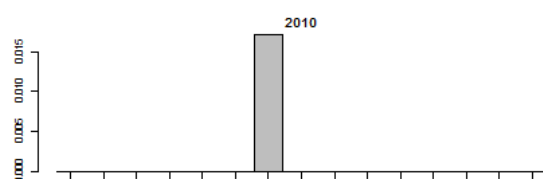
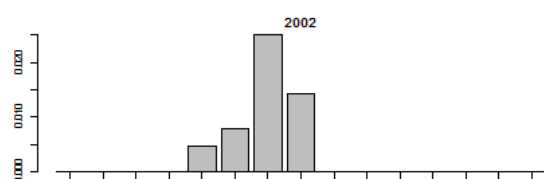
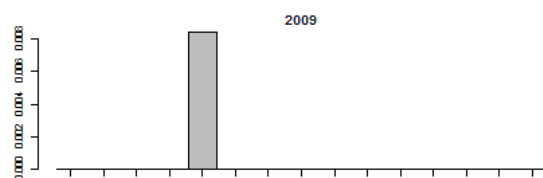
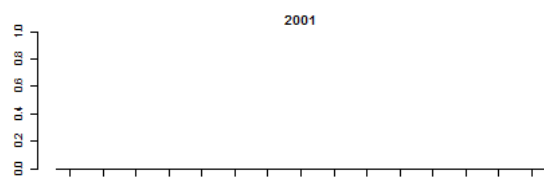
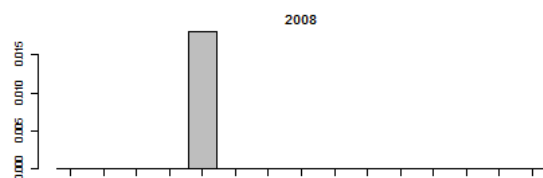
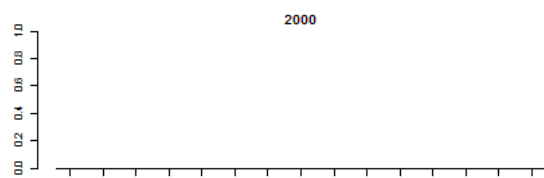
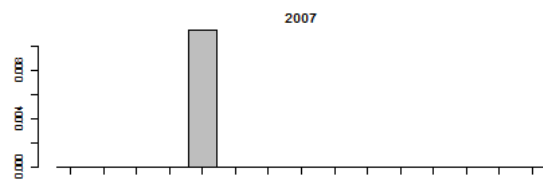
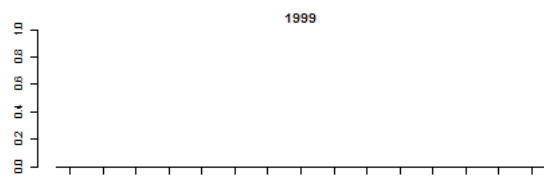
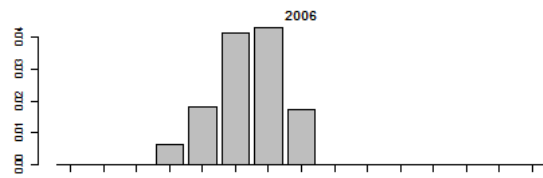
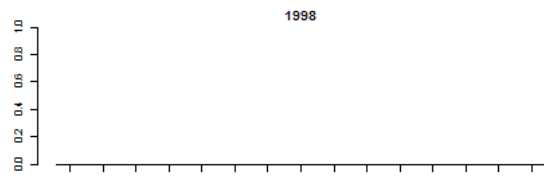
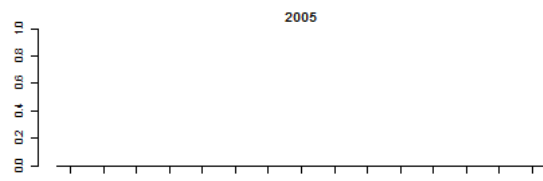
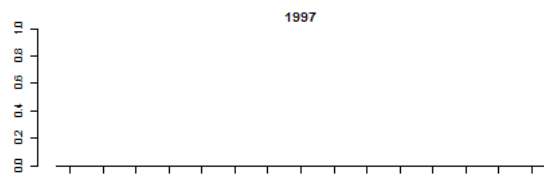
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



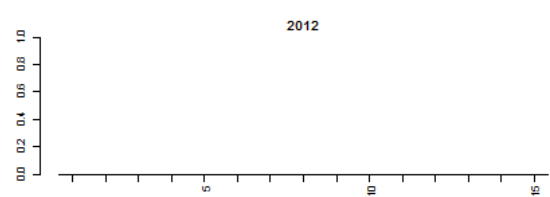
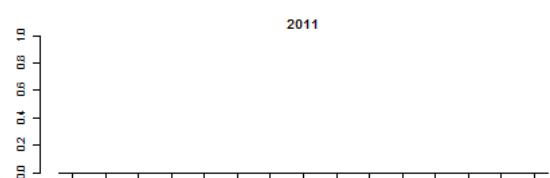
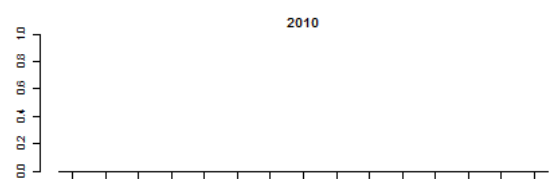
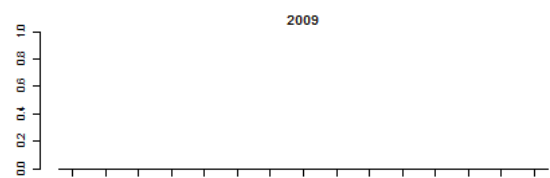
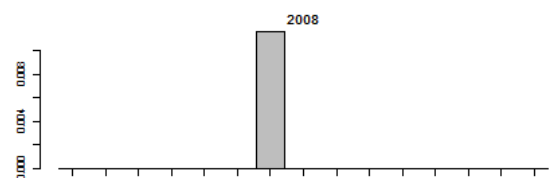
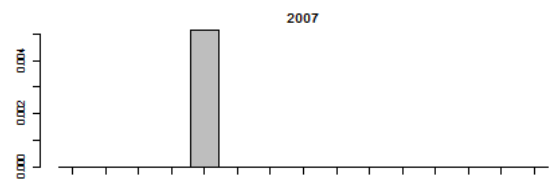
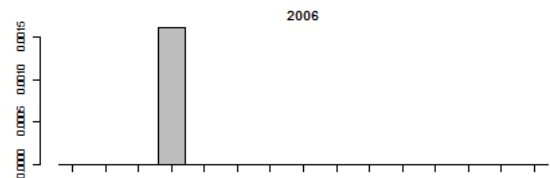
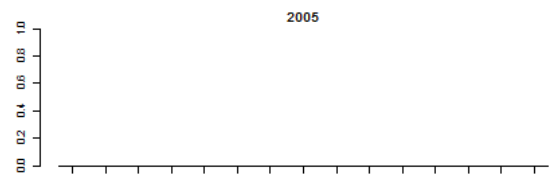
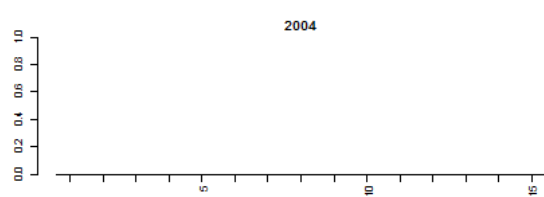
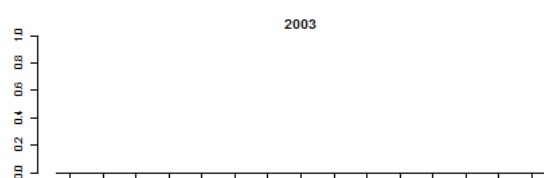
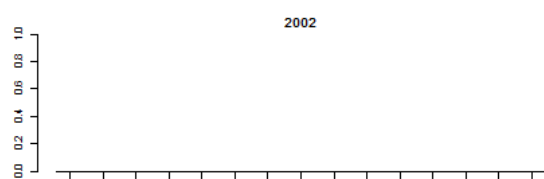
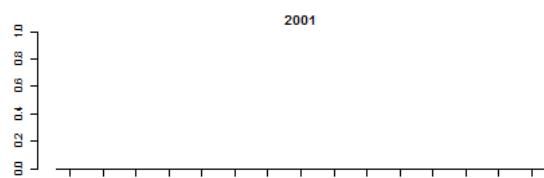
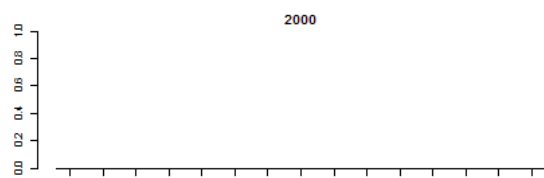
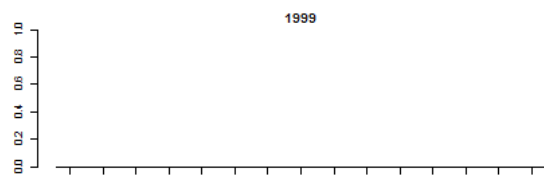
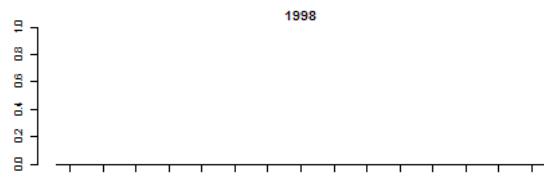
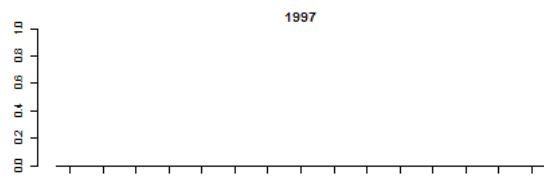
Bovenloop Nederrijn (bemonstering vanaf 1997)



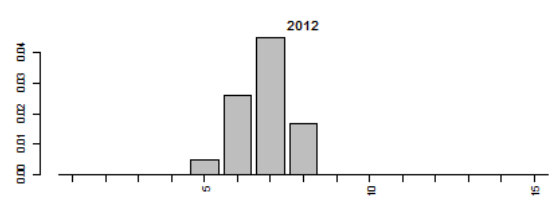
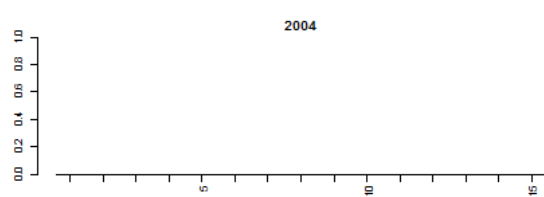
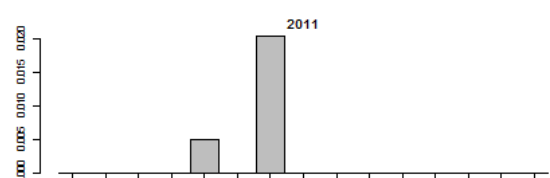
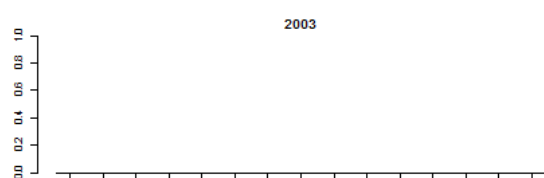
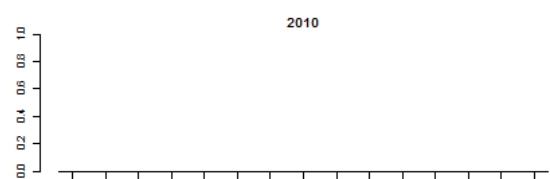
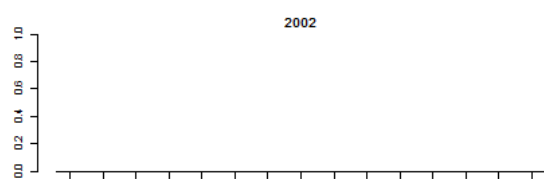
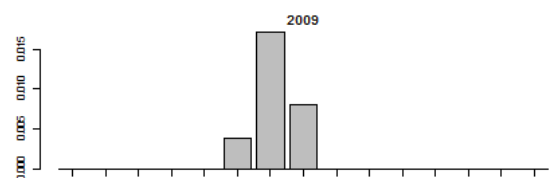
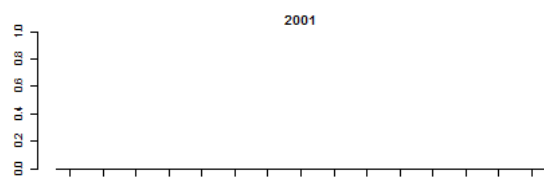
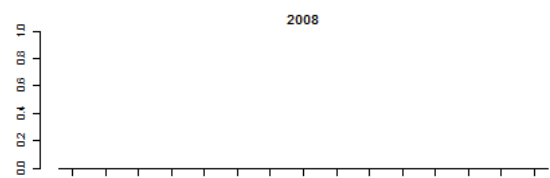
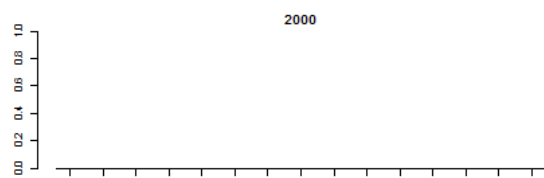
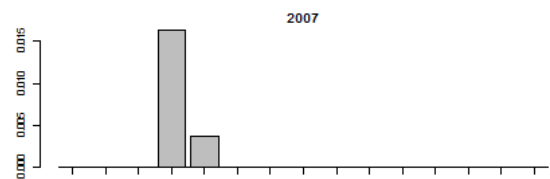
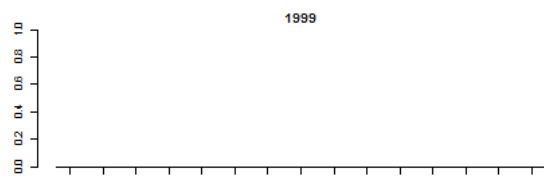
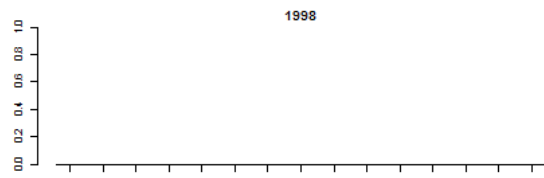
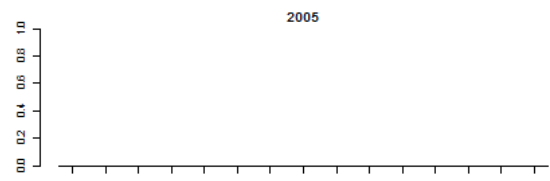
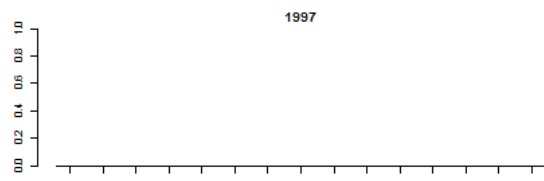
Bovenloop Waal (bemonstering vanaf 1997)



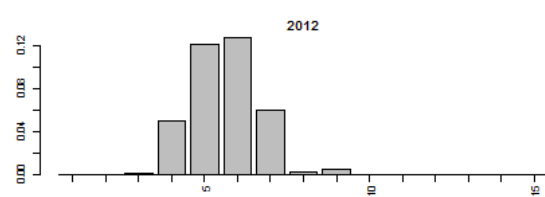
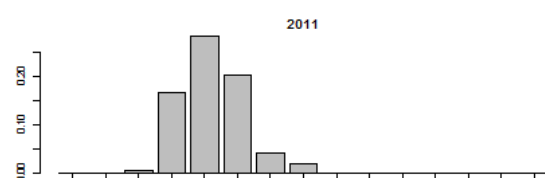
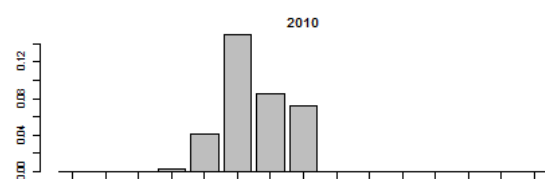
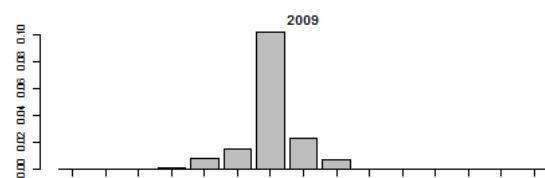
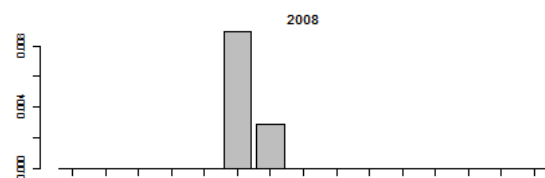
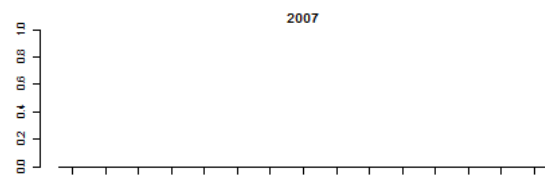
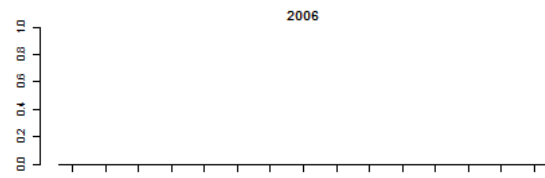
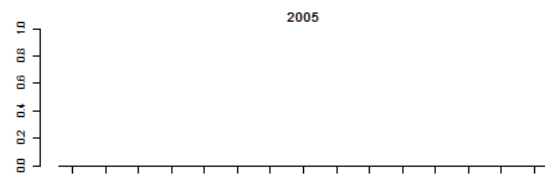
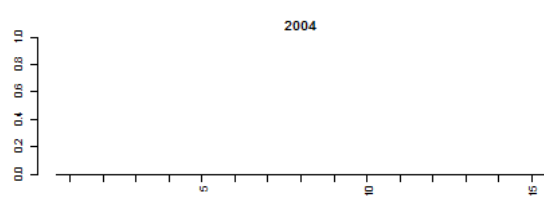
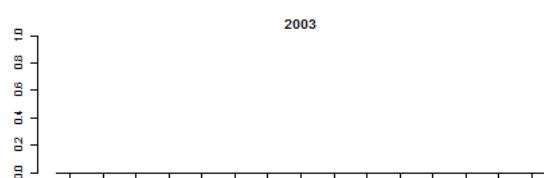
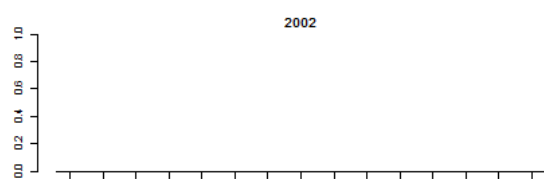
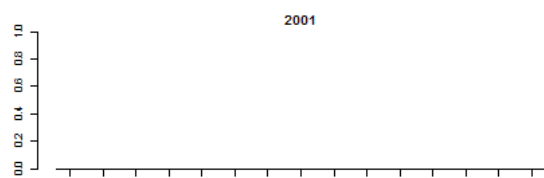
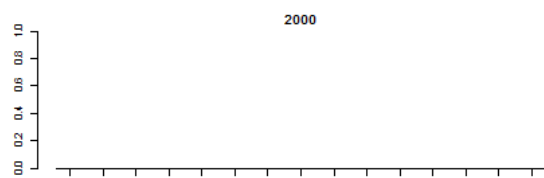
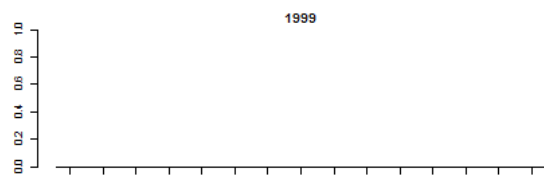
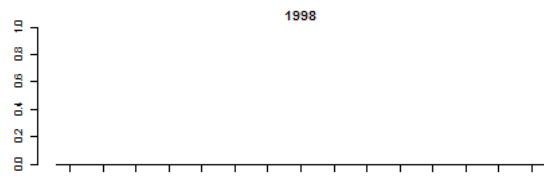
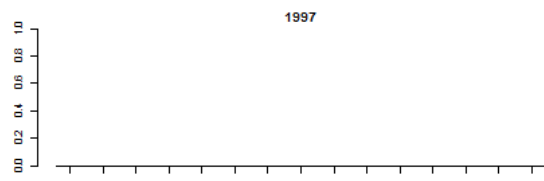
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)



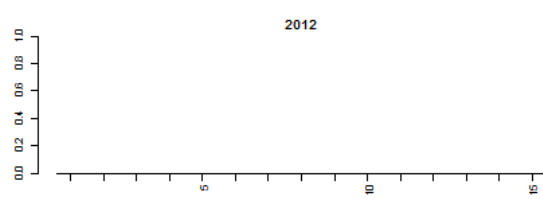
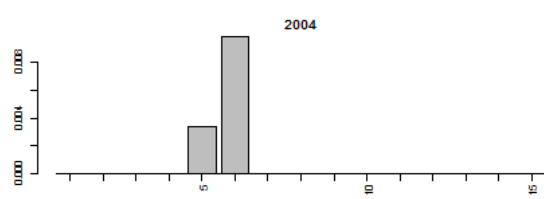
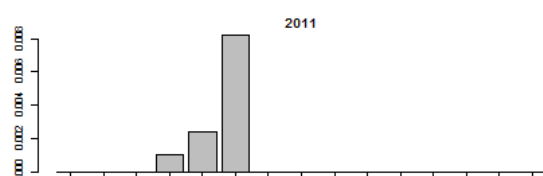
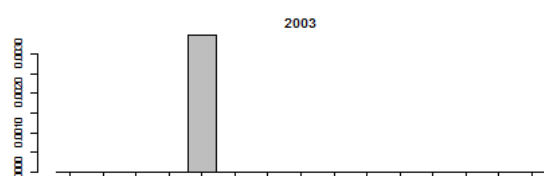
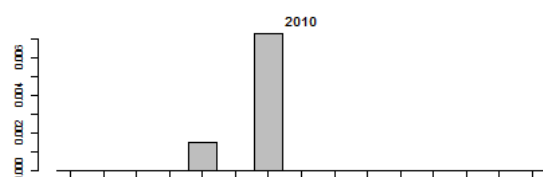
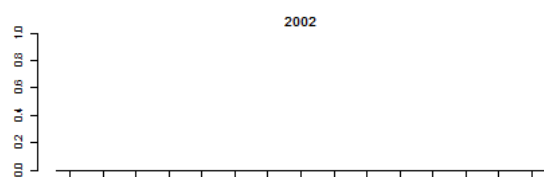
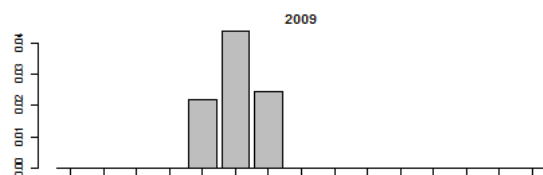
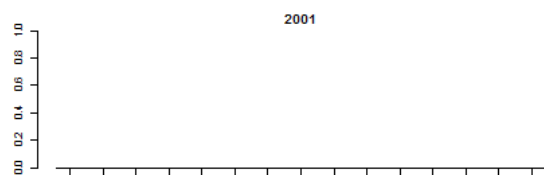
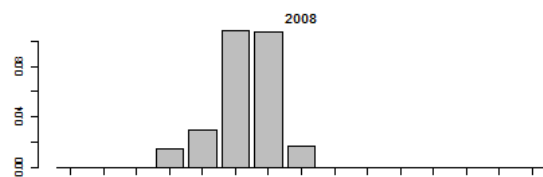
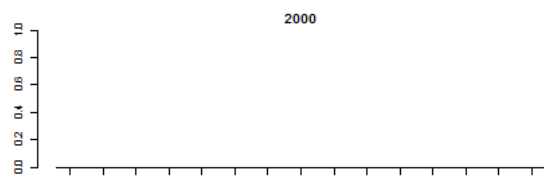
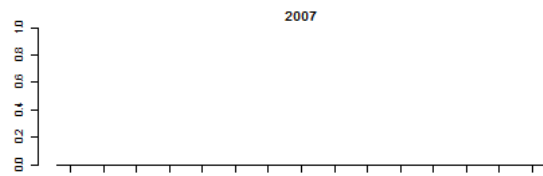
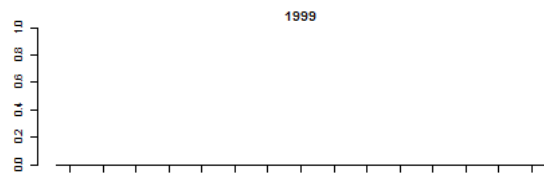
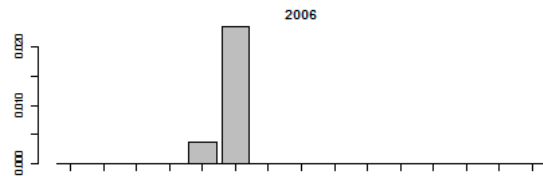
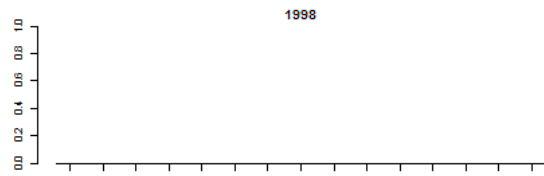
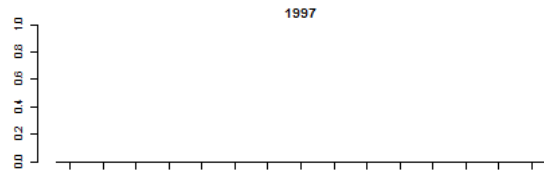
Grensmaas (bemonstering vanaf 1997)



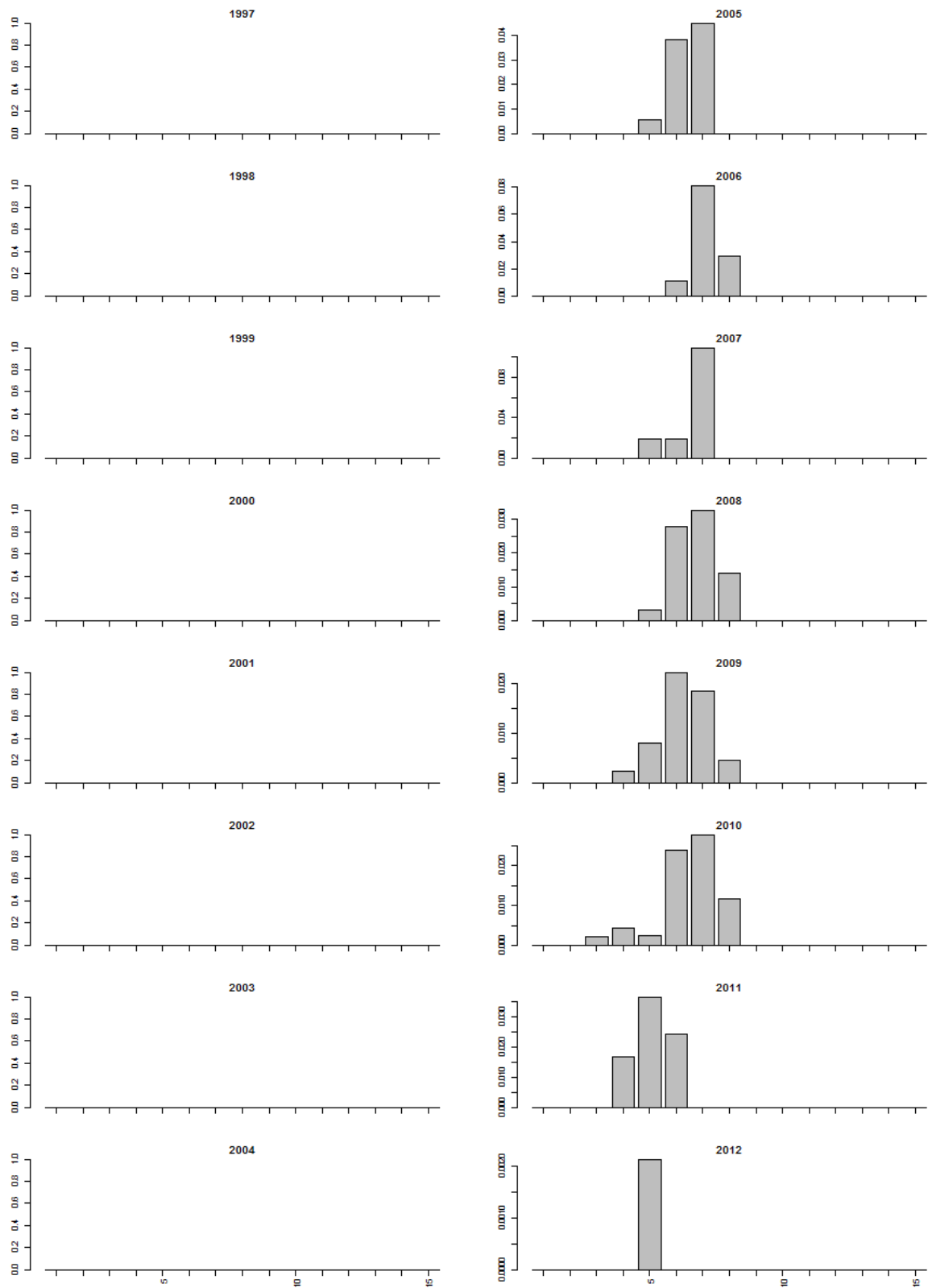
Grevelingen (alleen bemonsterd in 2008 en 2011)

Geen marmers gevangen.

Hollands diep (bemonstering vanaf 1997)



Nieuwe Merwede (bemonstering vanaf 1997)



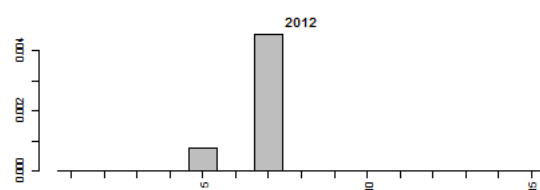
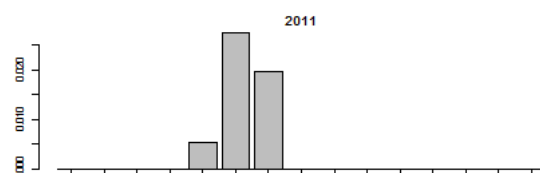
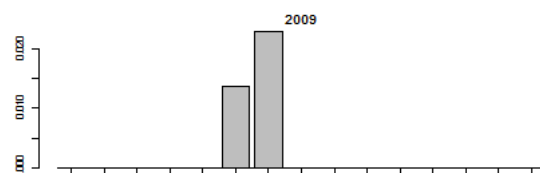
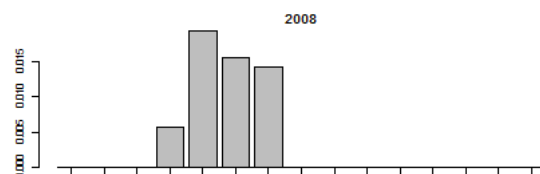
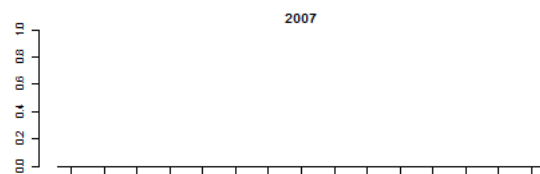
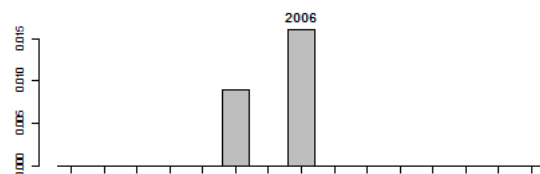
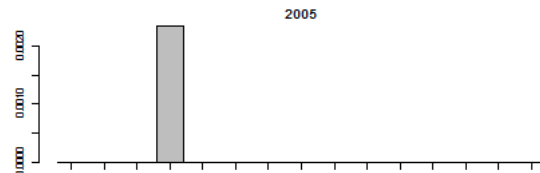
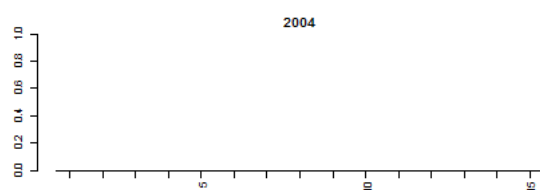
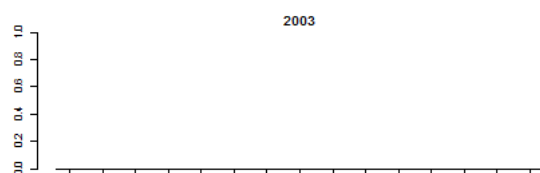
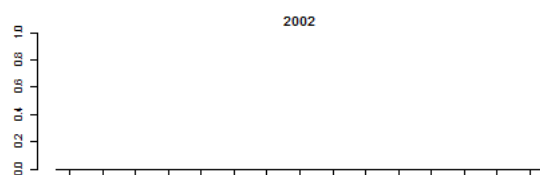
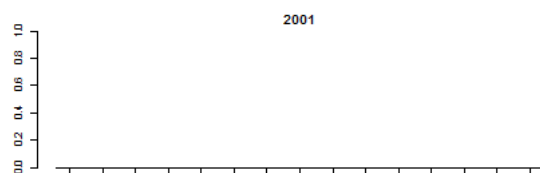
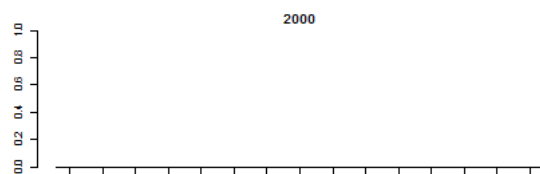
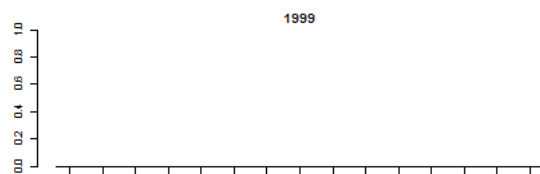
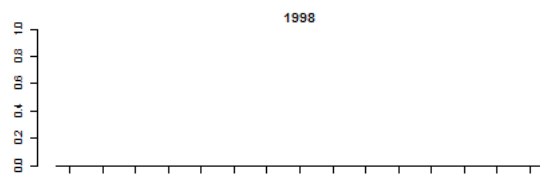
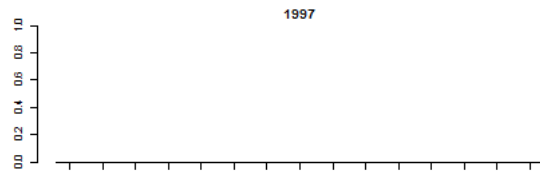
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)

Geen marmergrondel gevangen.

Oude Maas (bemonstering vanaf 1997)

Geen marmergrondel gevangen.

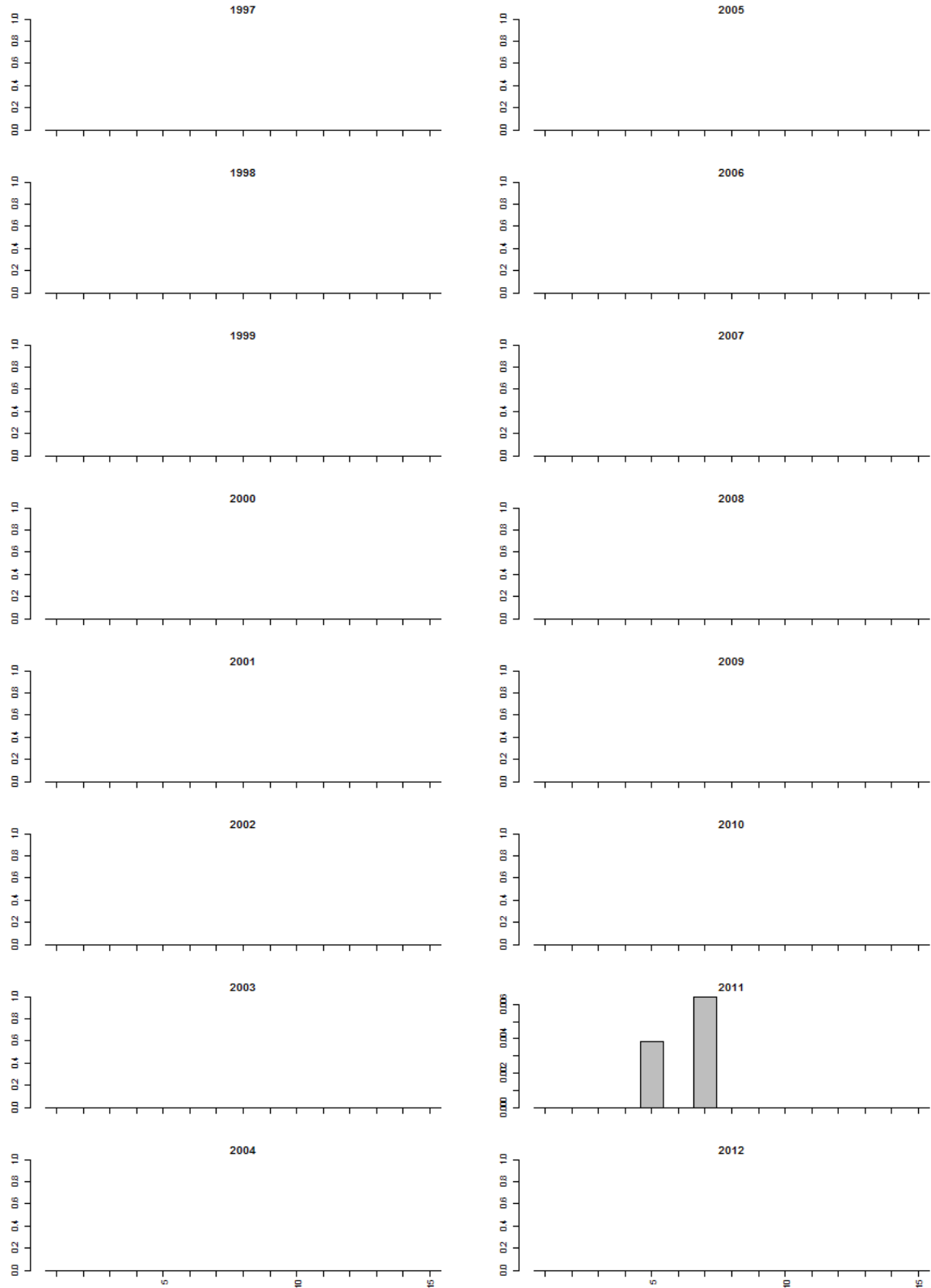
Rijn (bemonstering vanaf 1997)



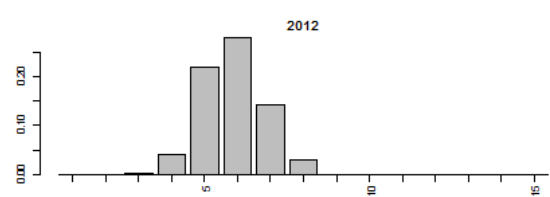
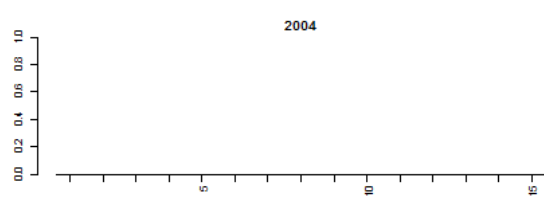
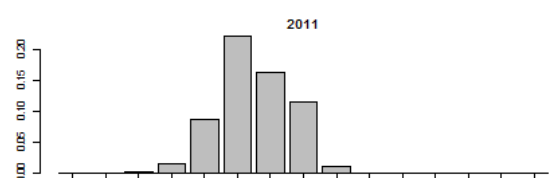
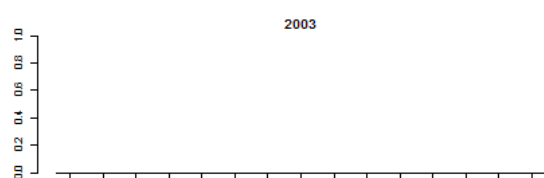
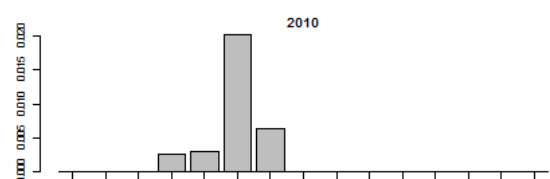
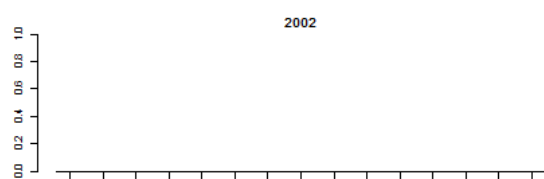
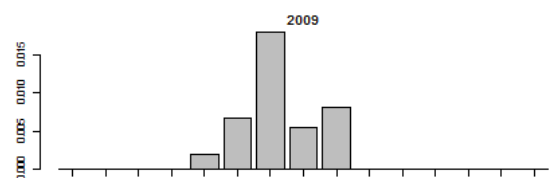
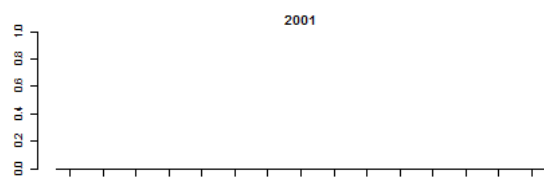
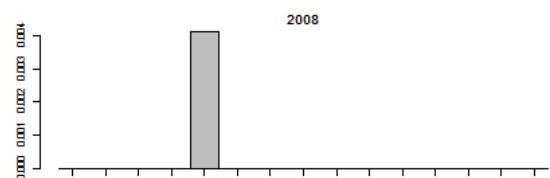
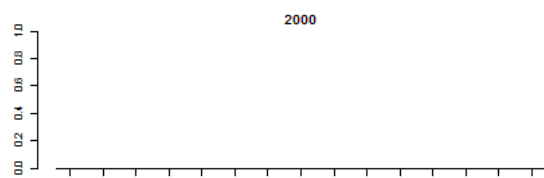
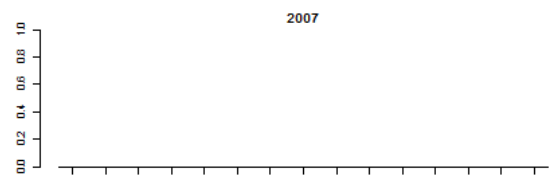
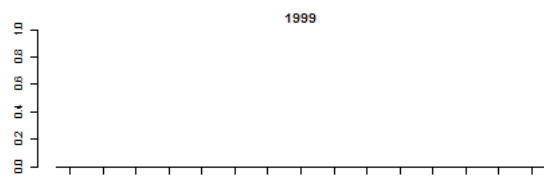
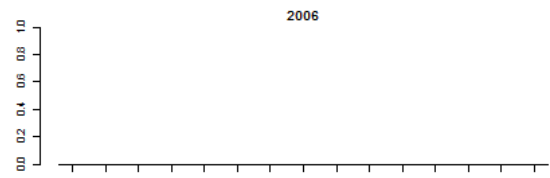
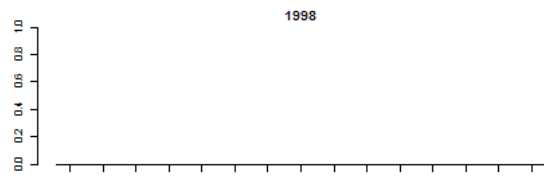
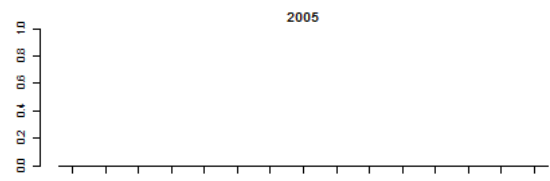
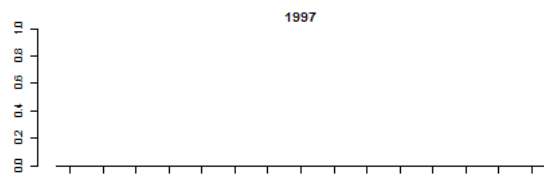
Twentekanaal (alleen bemonsterd in 2009).

Geen marmergrondel gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

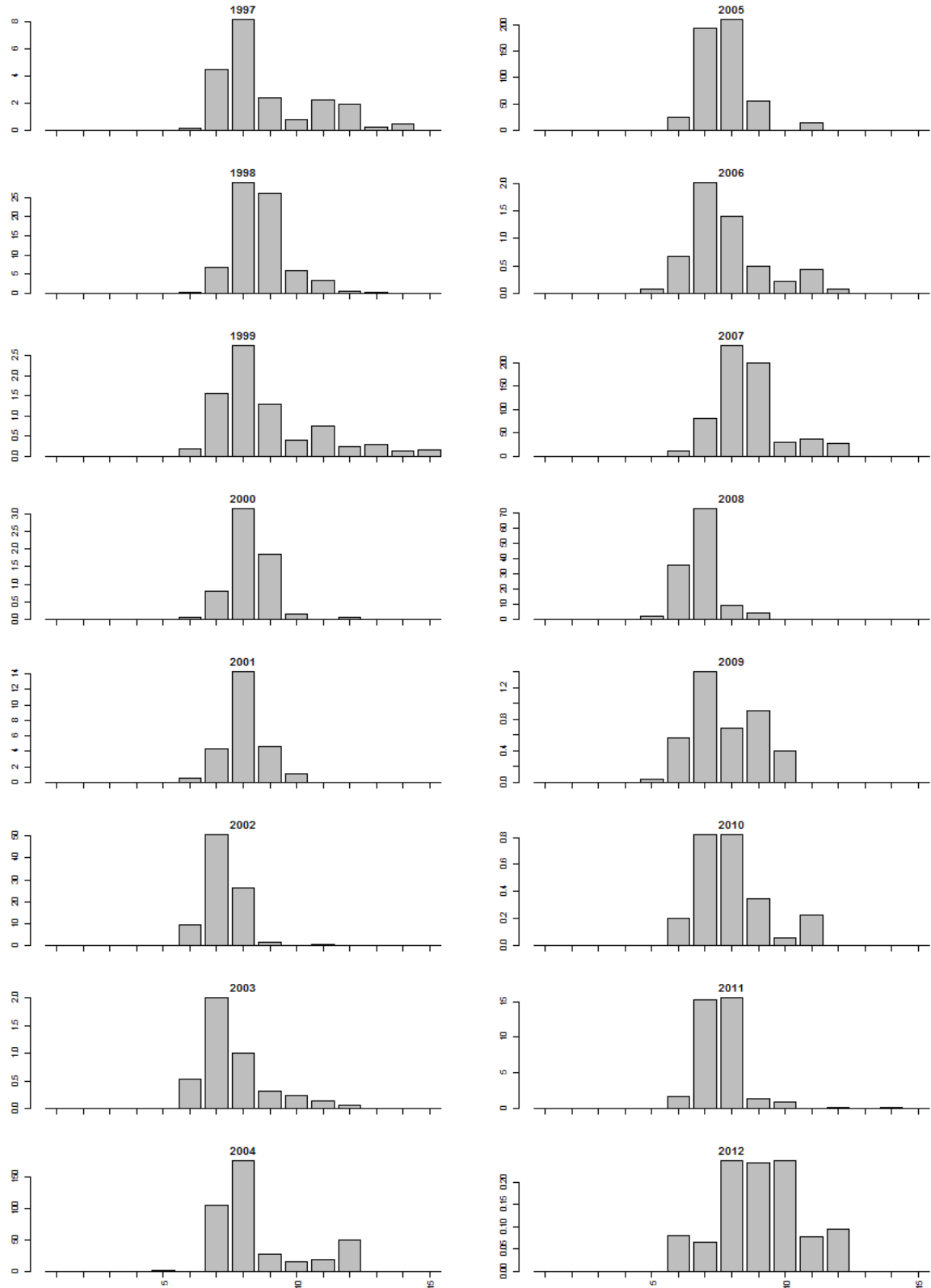


Zandmaas (bemonstering vanaf 2008)

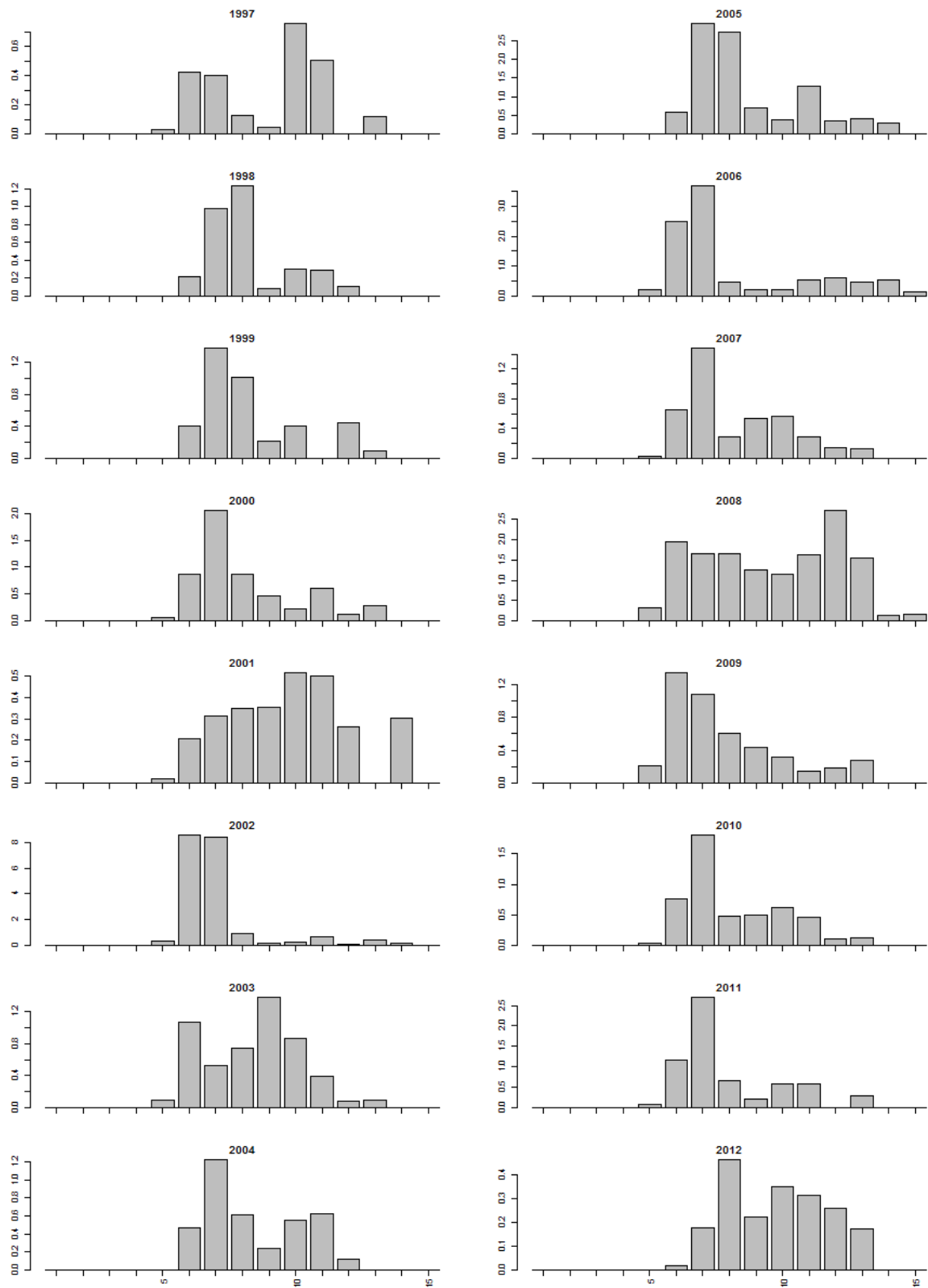


Figuur VII.11 Pos lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

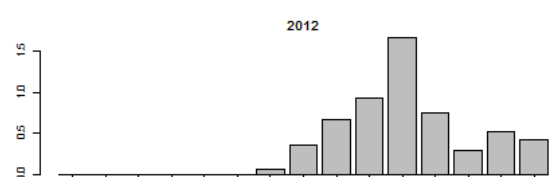
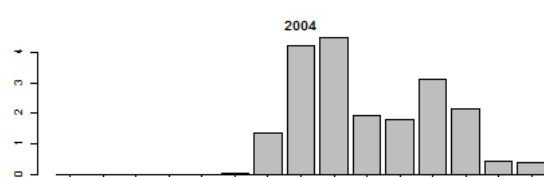
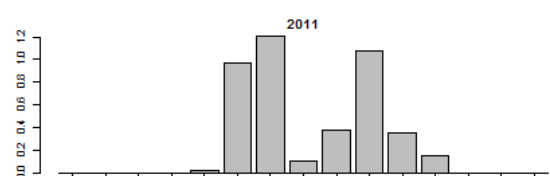
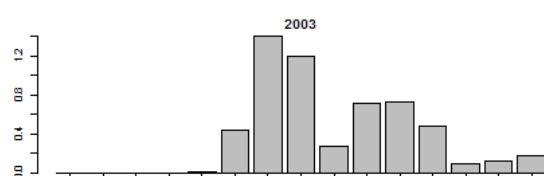
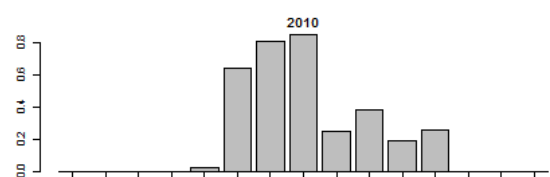
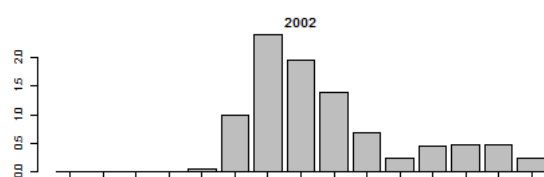
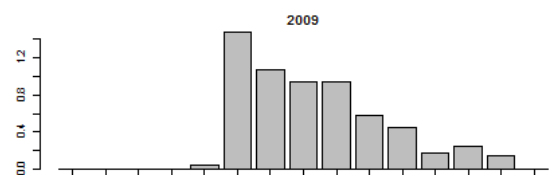
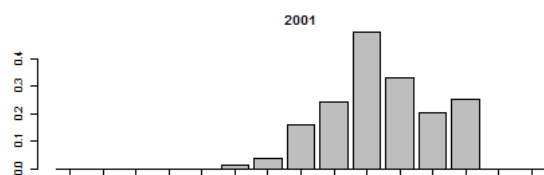
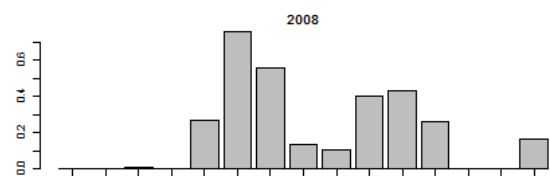
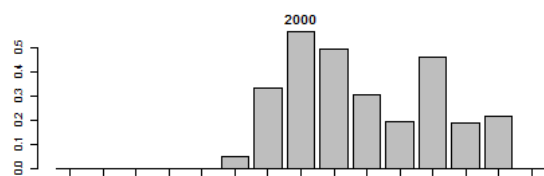
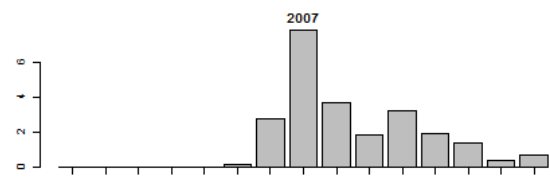
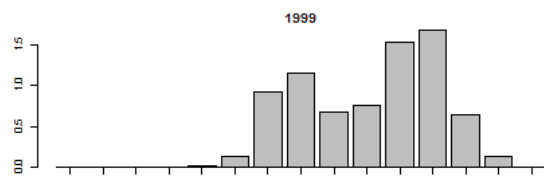
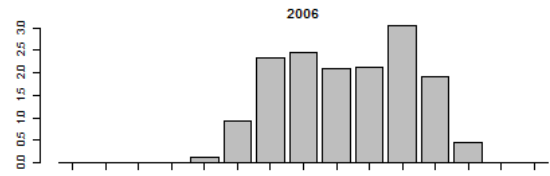
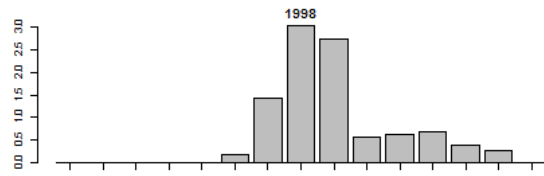
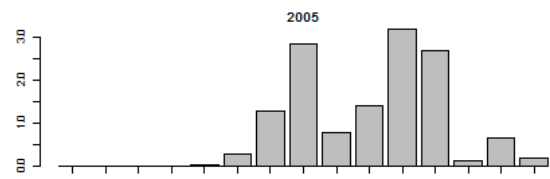
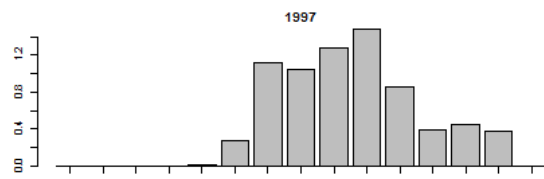
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



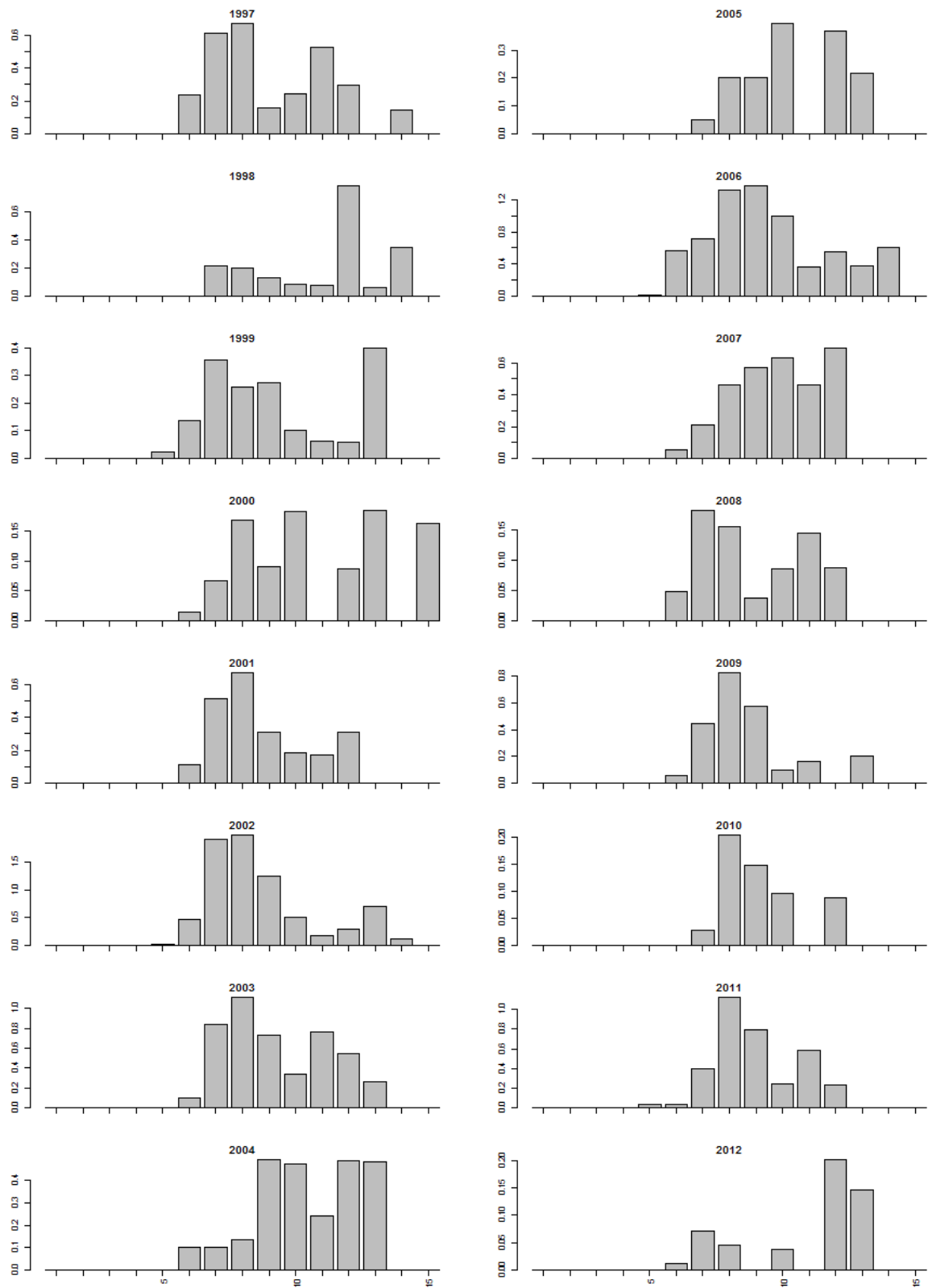
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



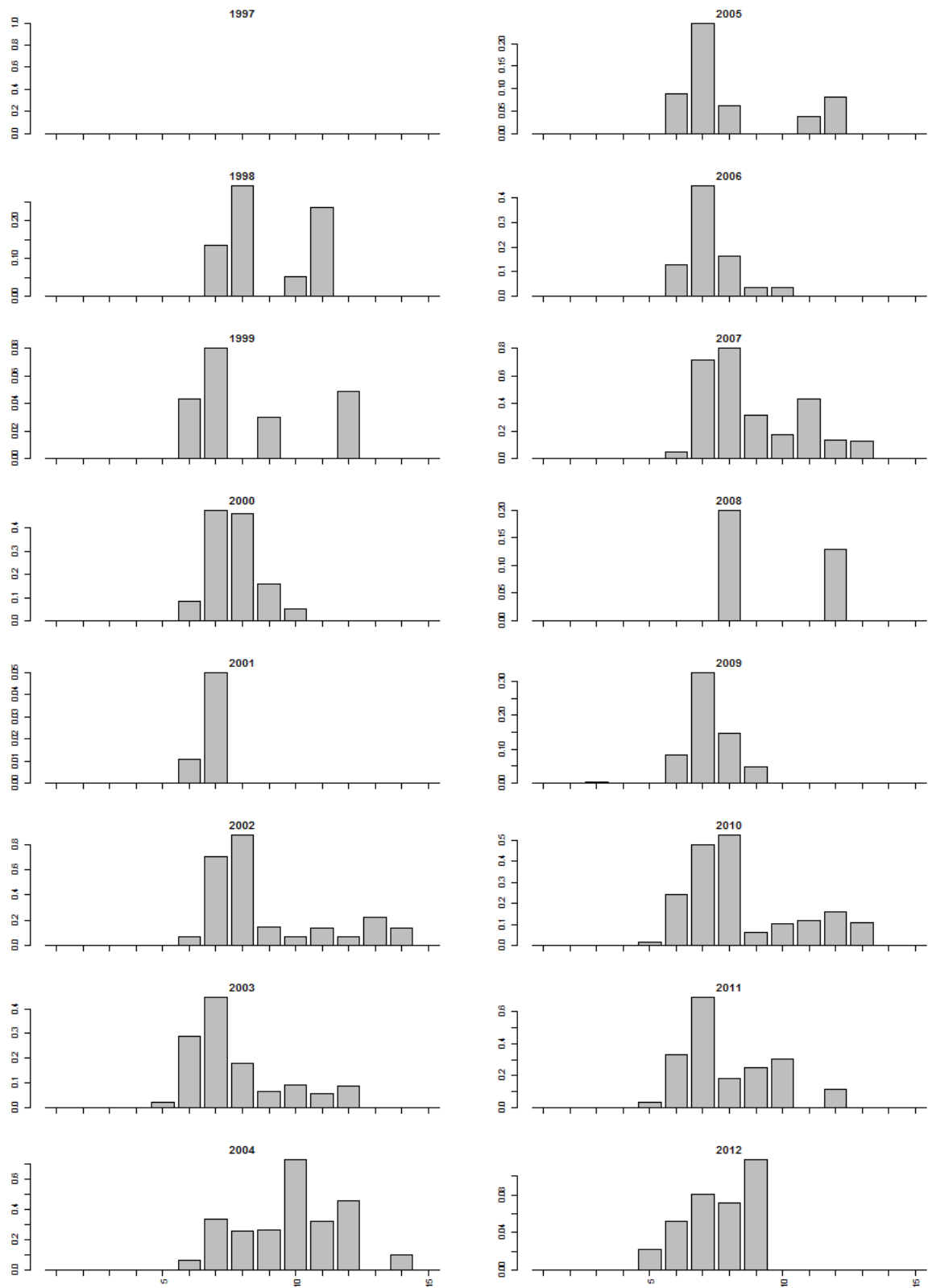
Bovenloop Nederrijn (bemonstering vanaf 1997)



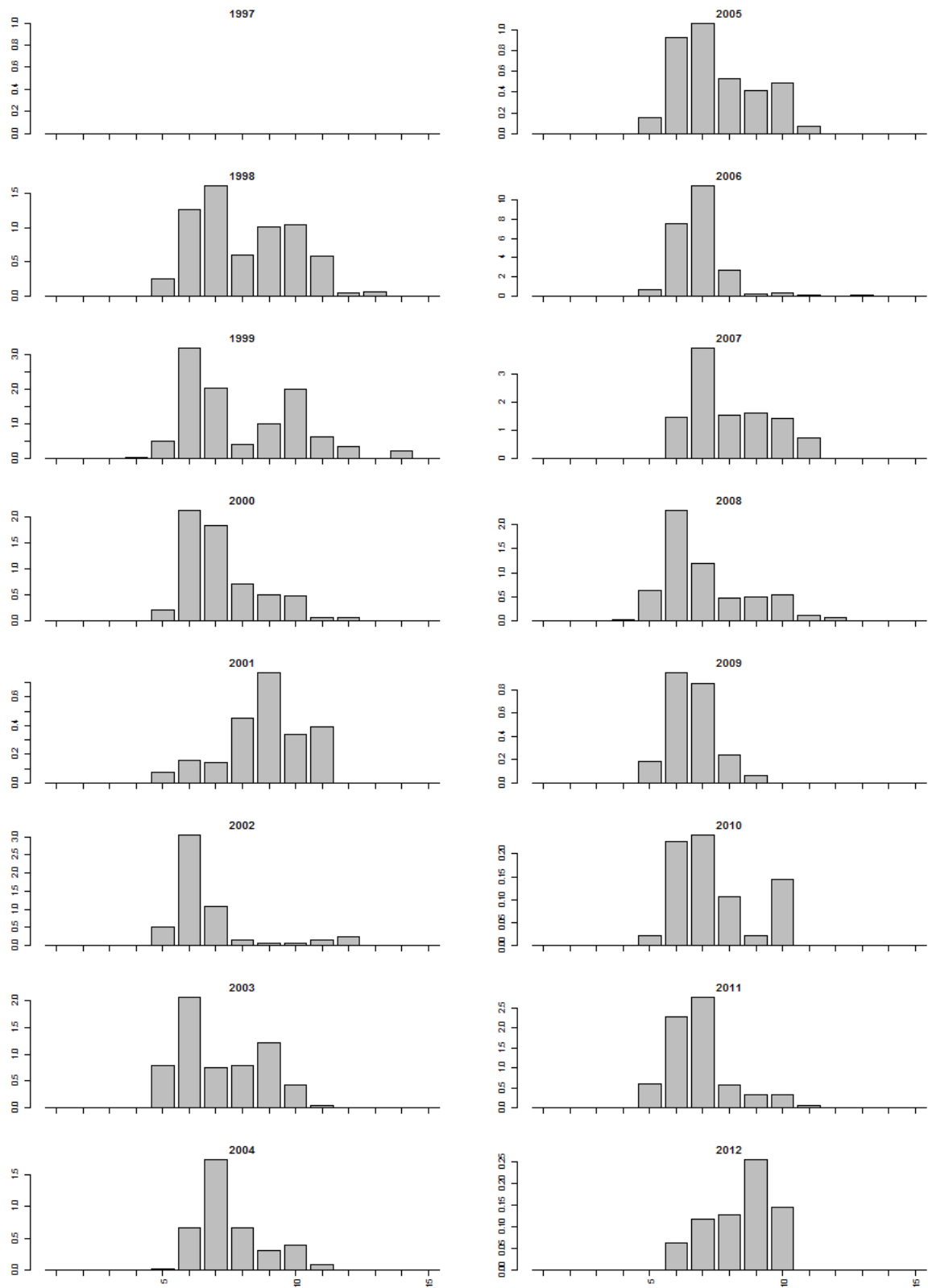
Bovenloop Waal (bemonstering vanaf 1997)



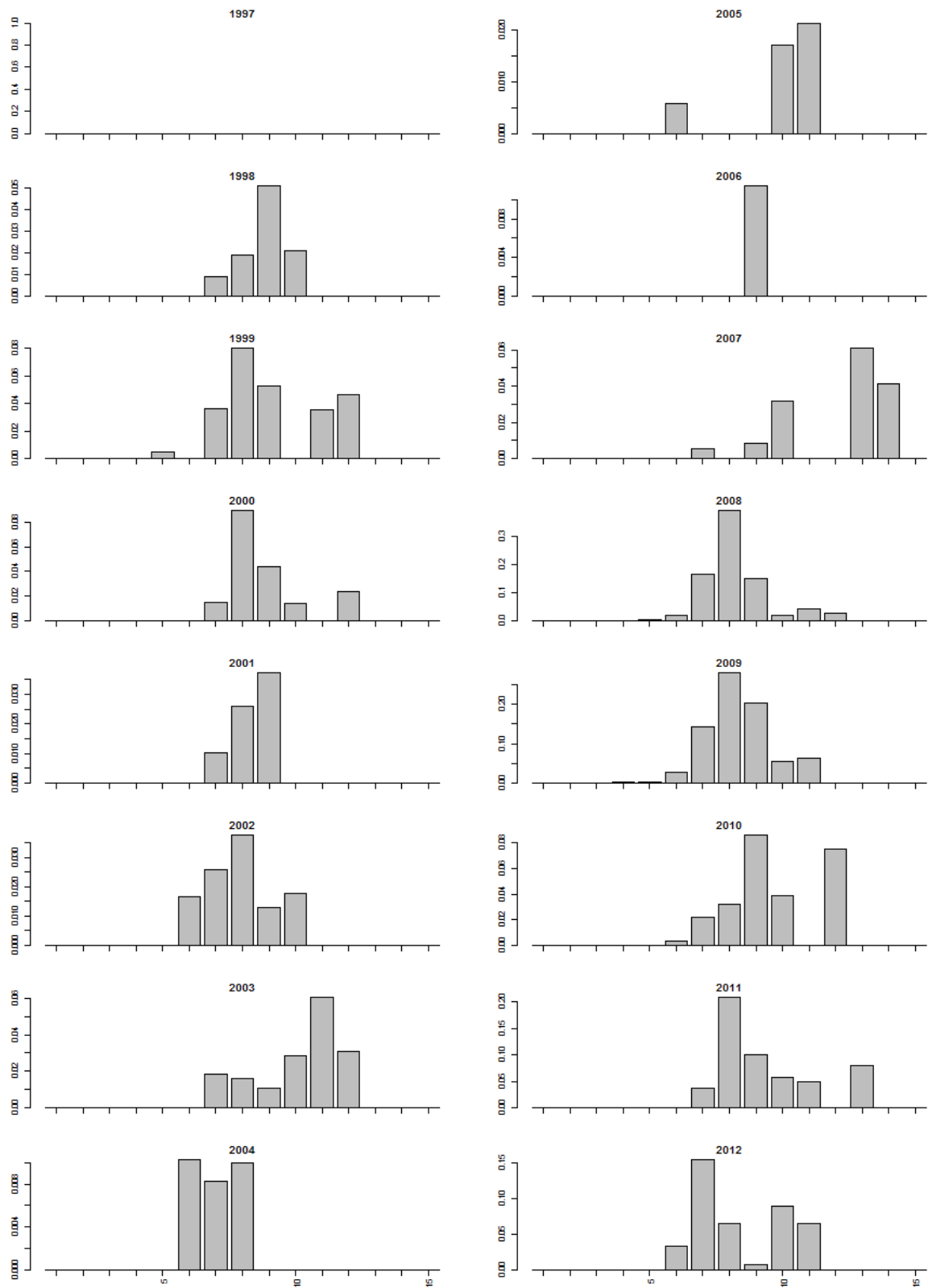
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

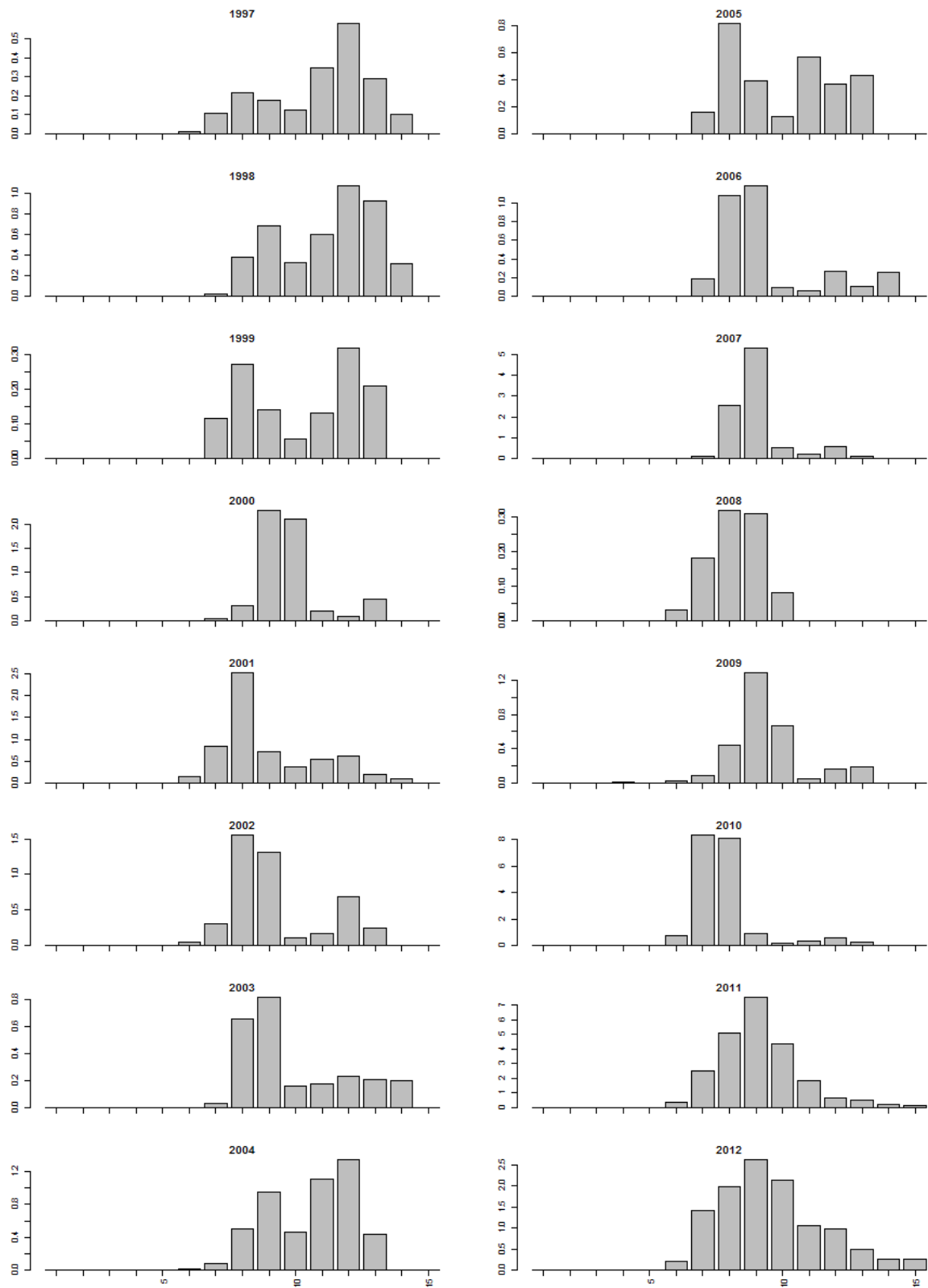


Grensmaas (bemonstering vanaf 1997)

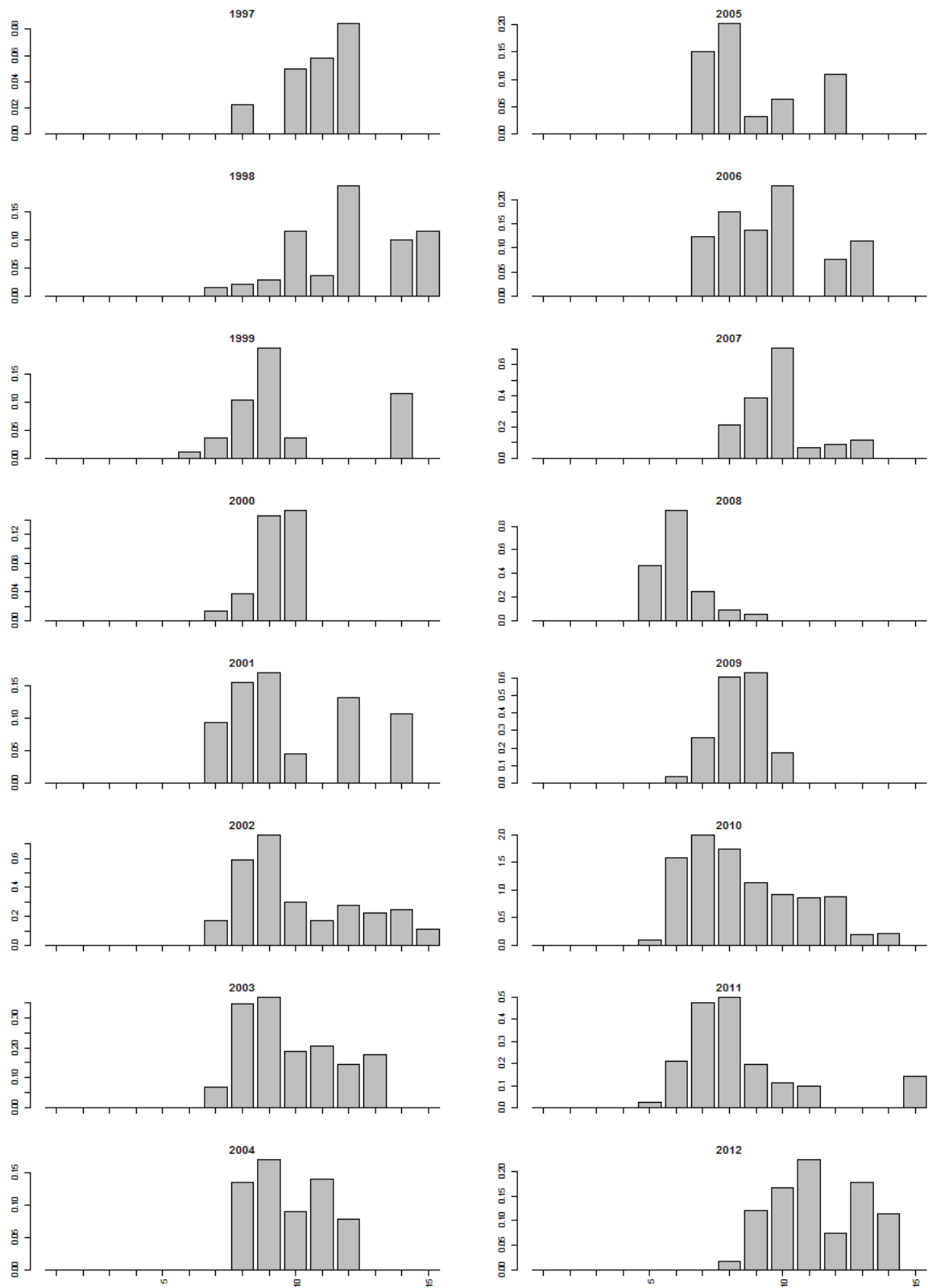


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen pos gevangen.

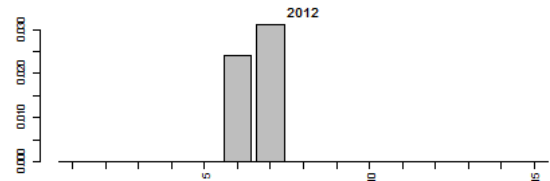
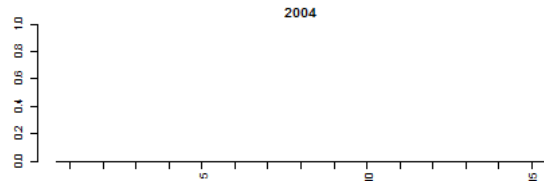
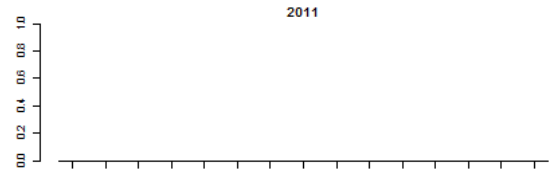
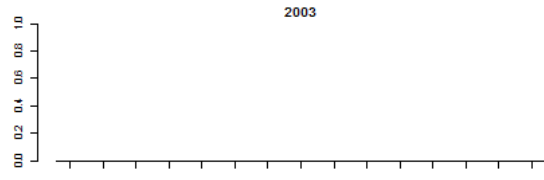
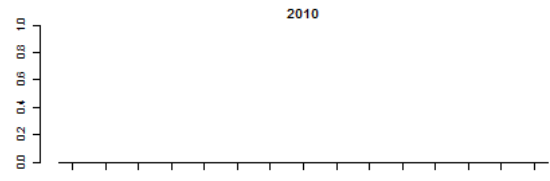
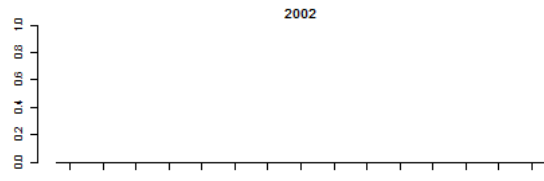
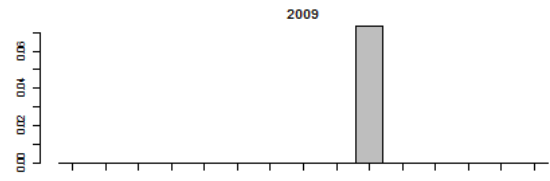
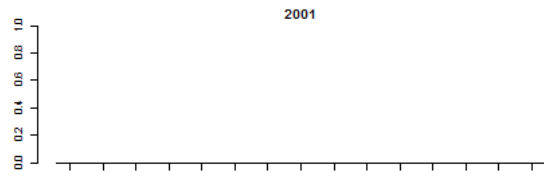
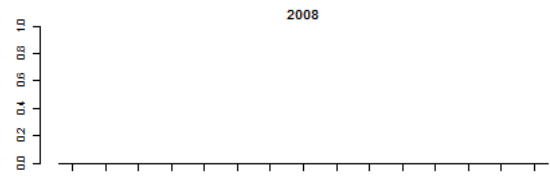
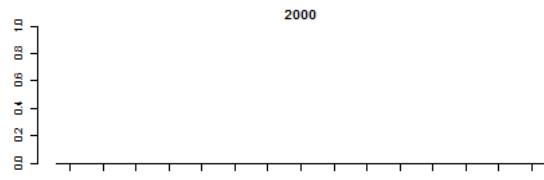
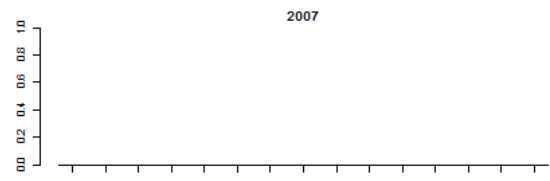
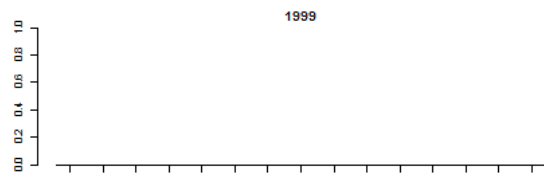
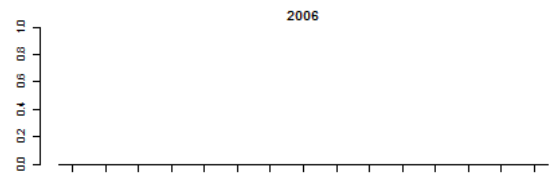
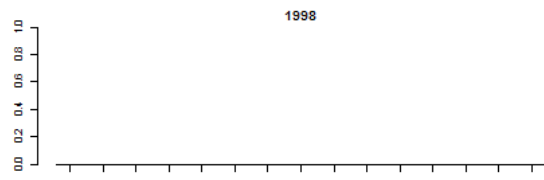
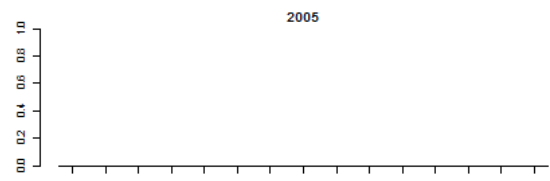
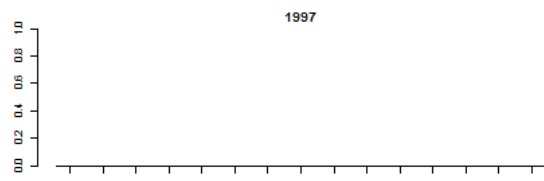
Hollands diep (bemonstering vanaf 1997)



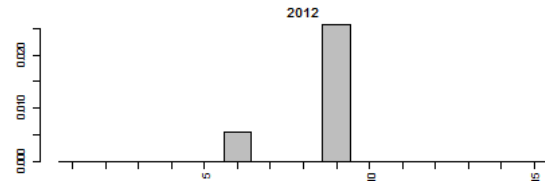
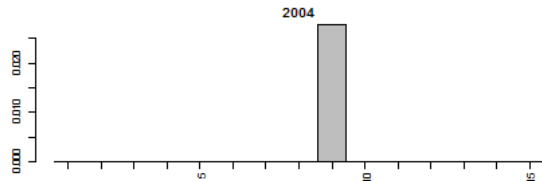
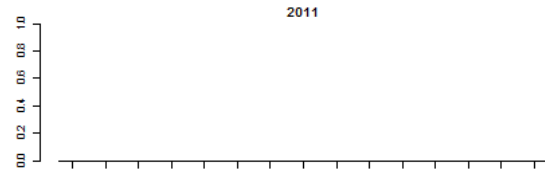
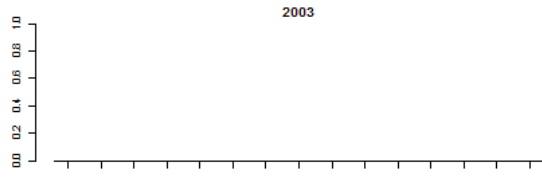
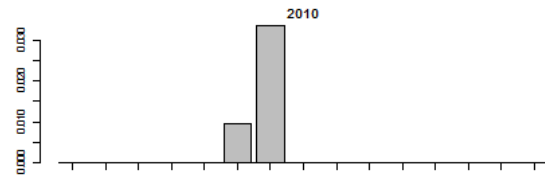
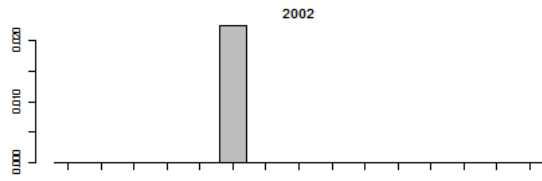
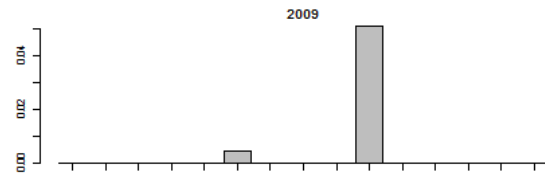
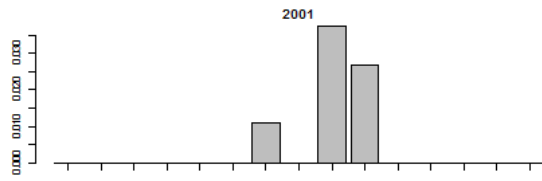
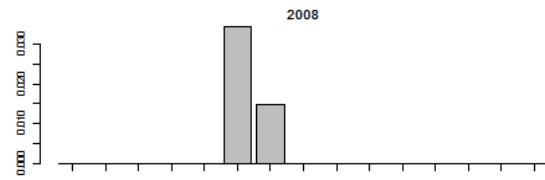
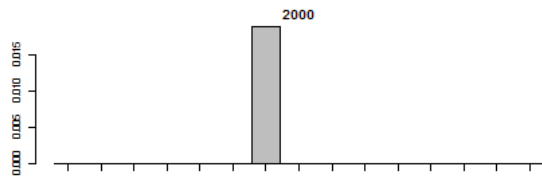
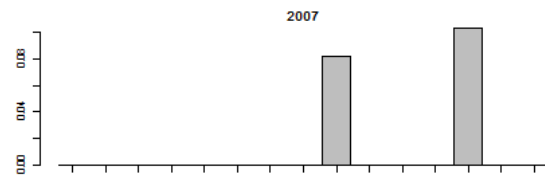
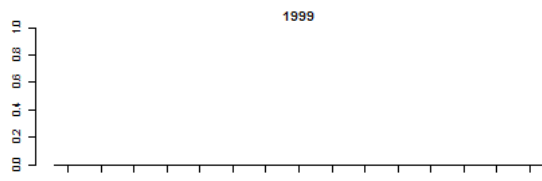
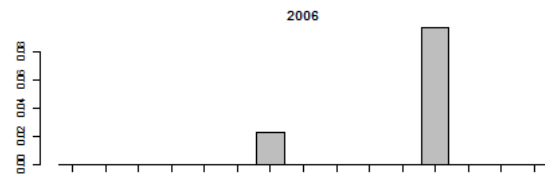
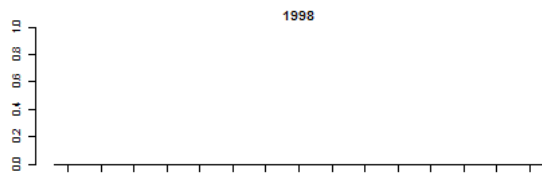
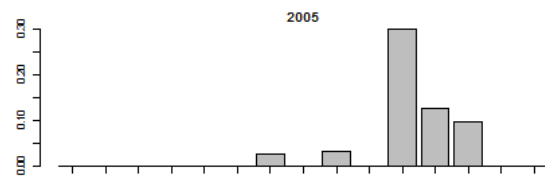
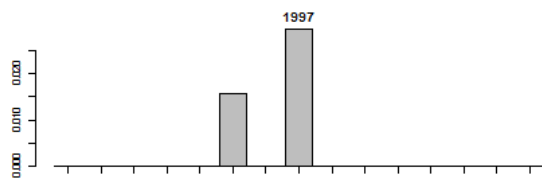
Nieuwe Merwede (bemonstering vanaf 1997)



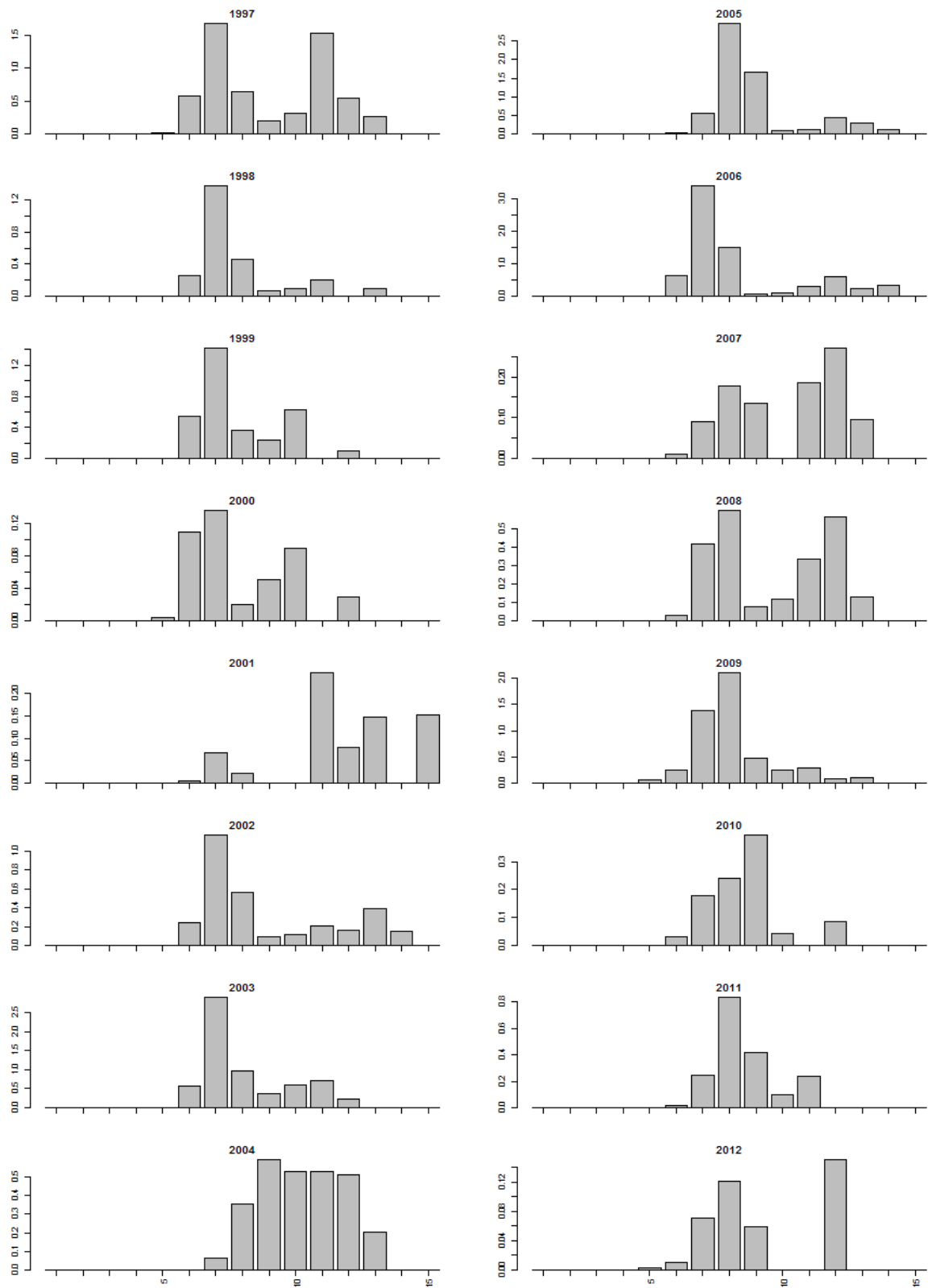
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



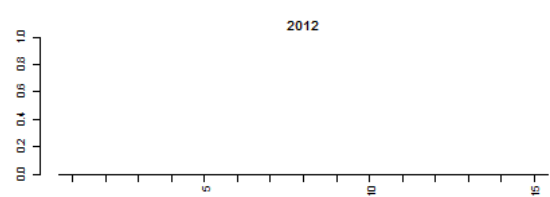
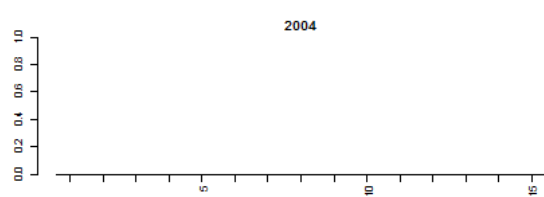
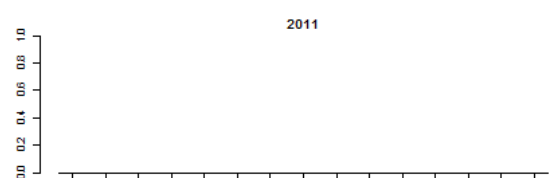
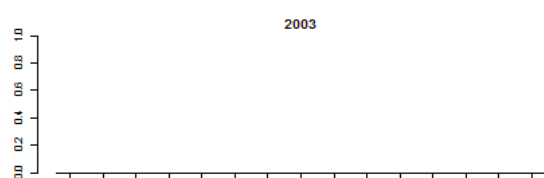
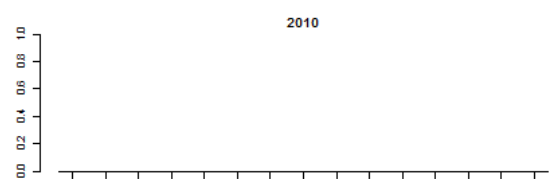
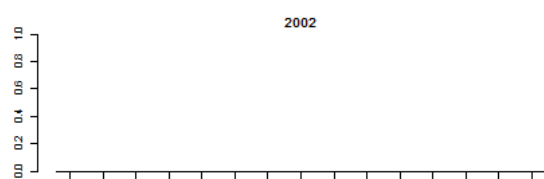
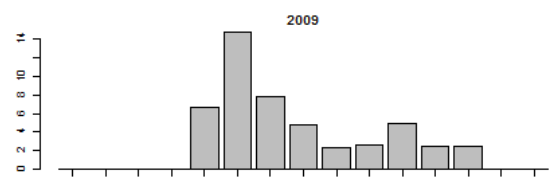
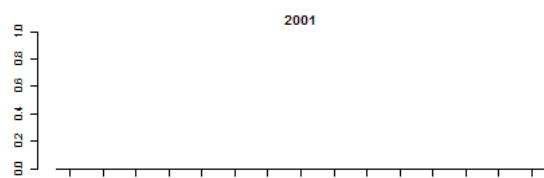
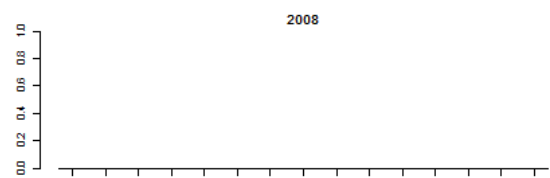
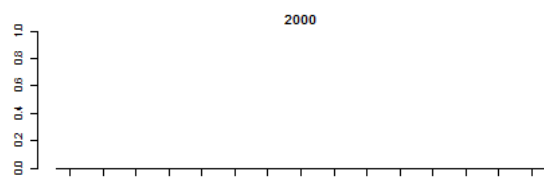
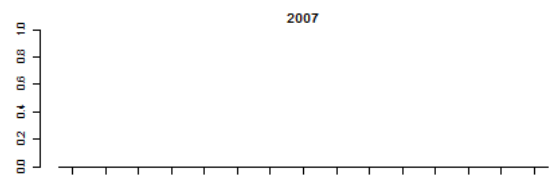
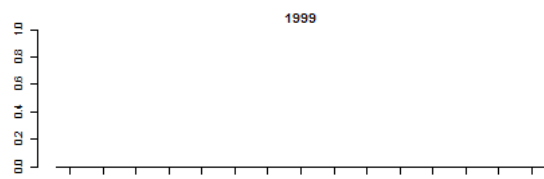
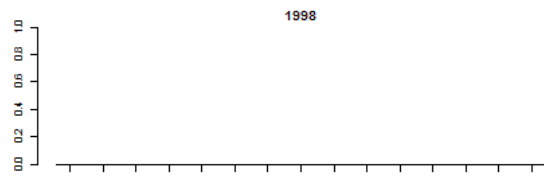
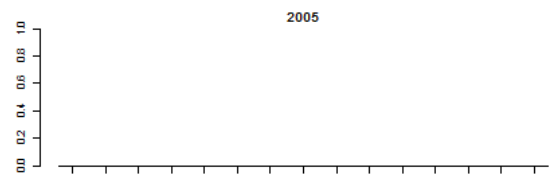
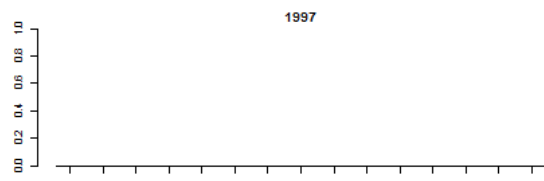
Oude Maas (bemonstering vanaf 1997)



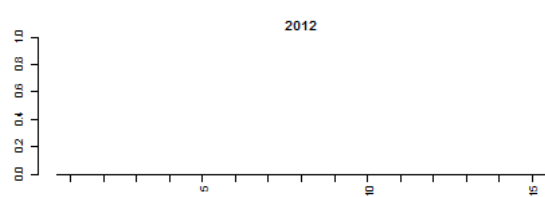
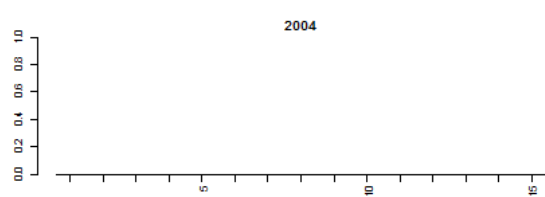
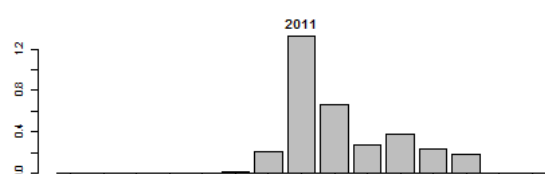
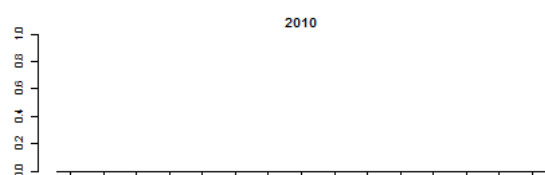
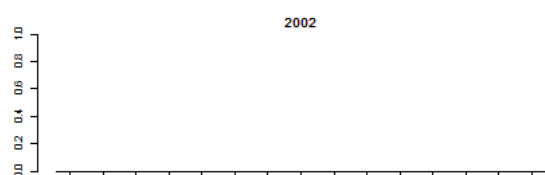
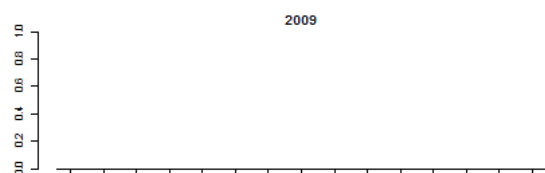
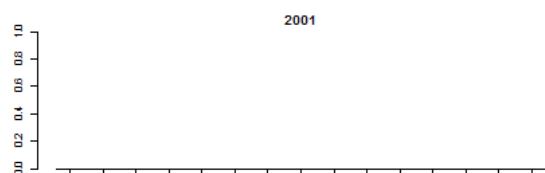
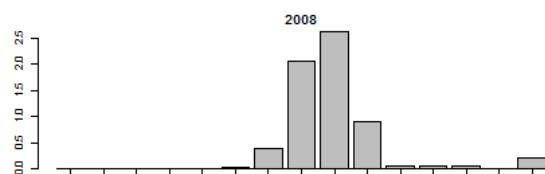
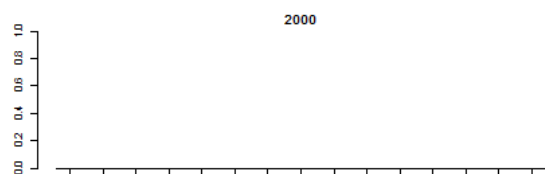
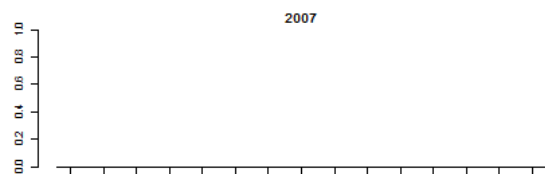
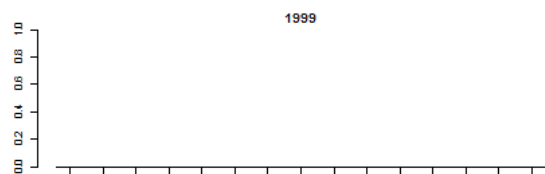
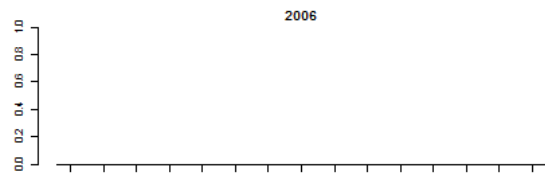
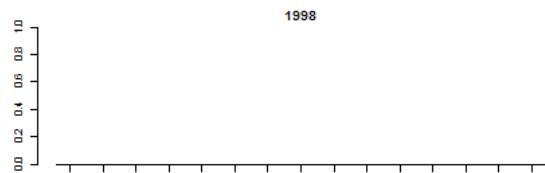
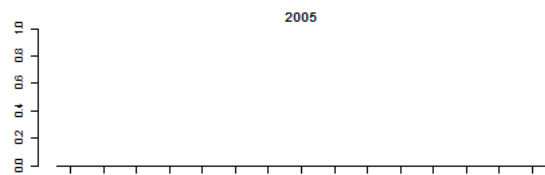
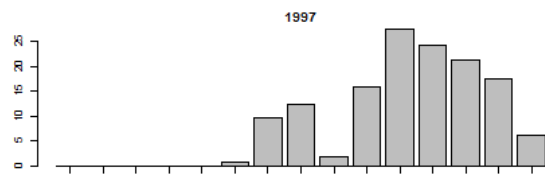
Rijn (bemonstering vanaf 1997)



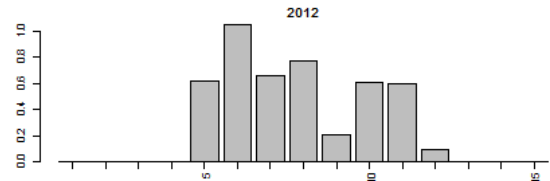
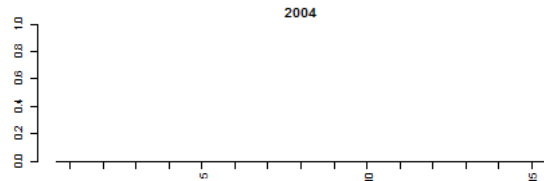
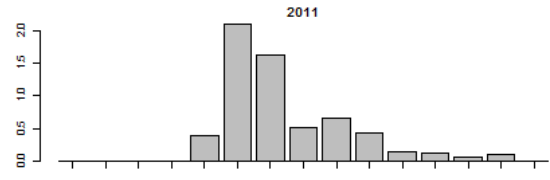
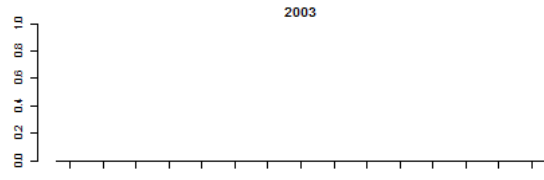
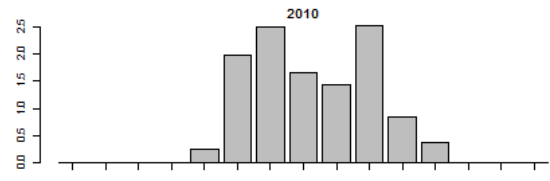
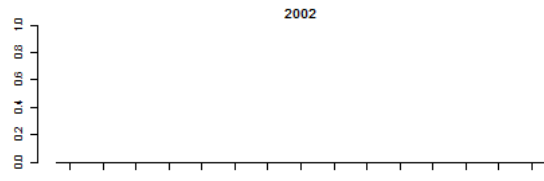
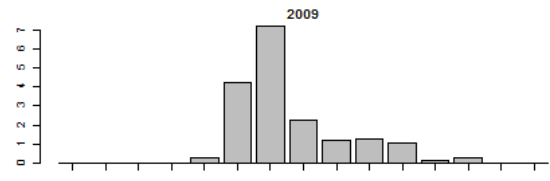
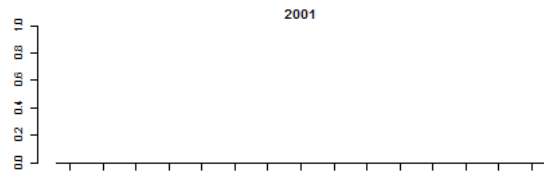
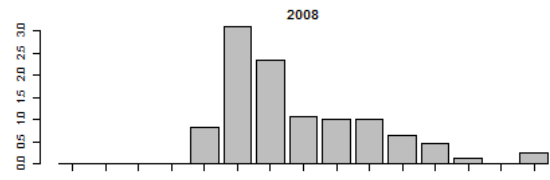
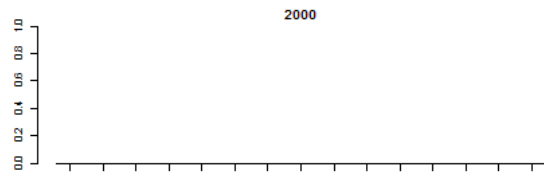
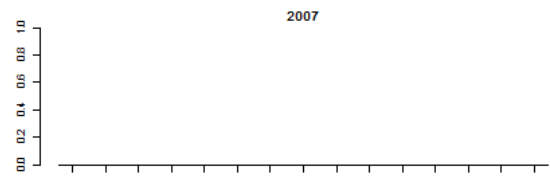
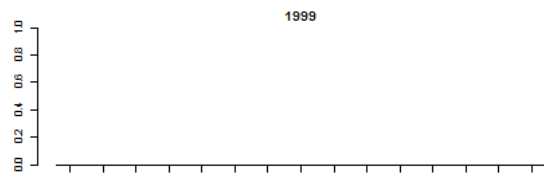
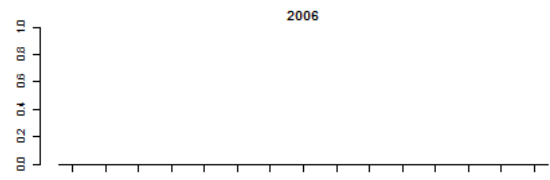
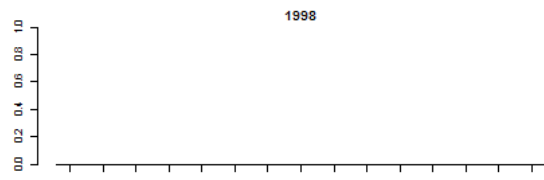
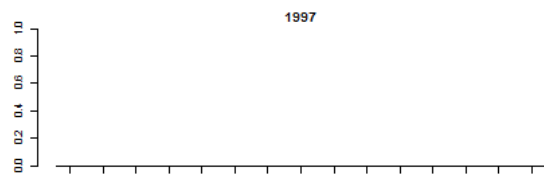
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

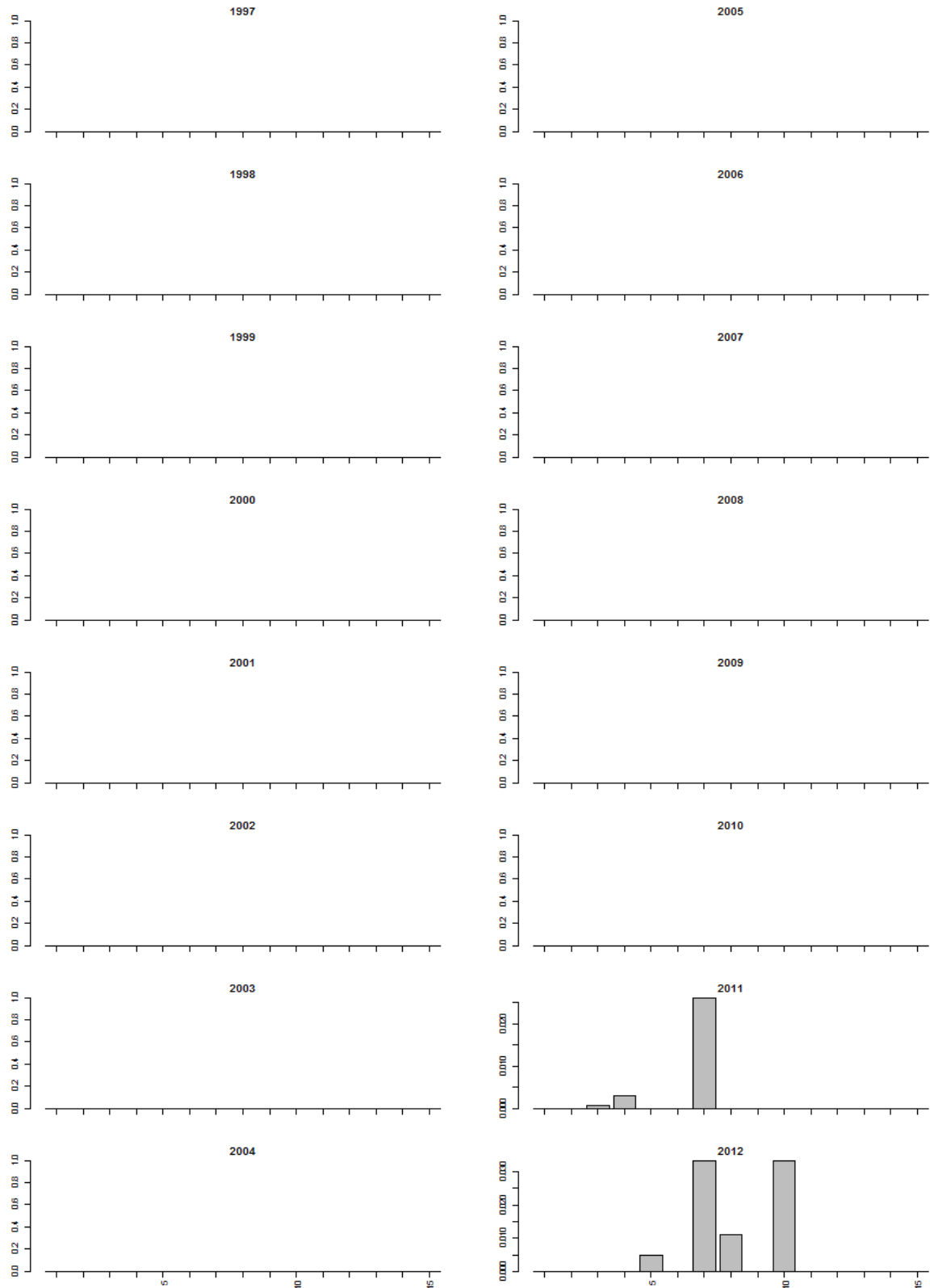


Zandmaas (bemonstering vanaf 2008)

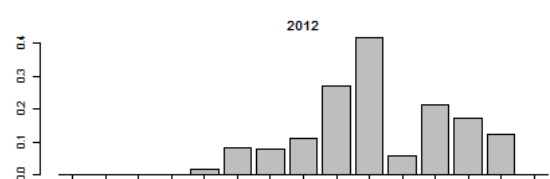
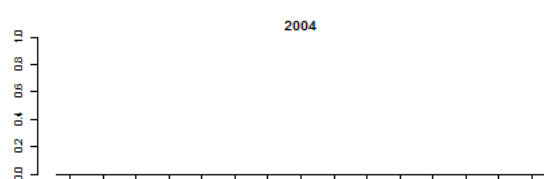
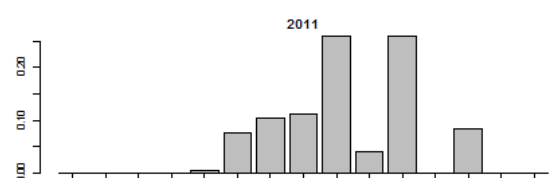
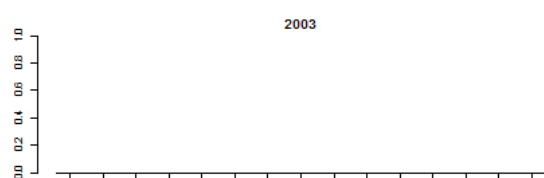
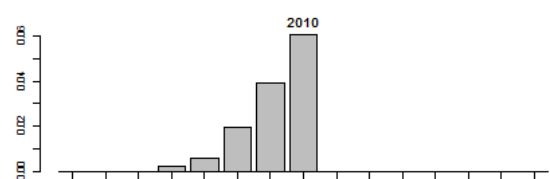
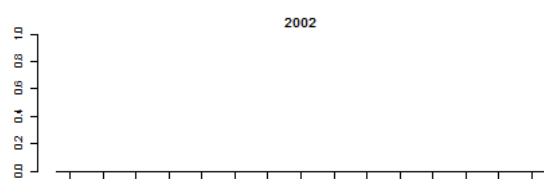
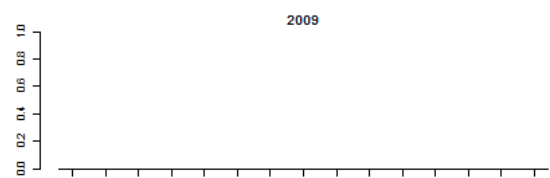
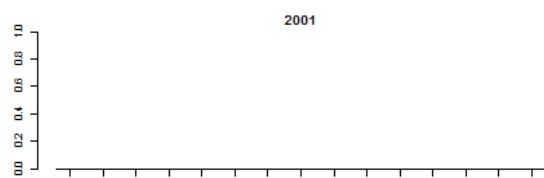
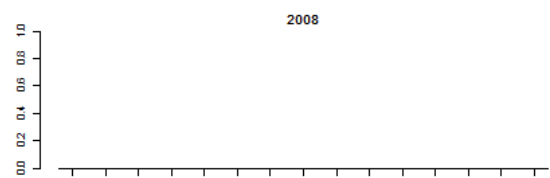
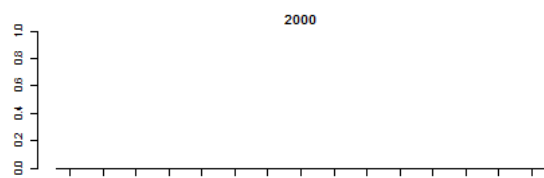
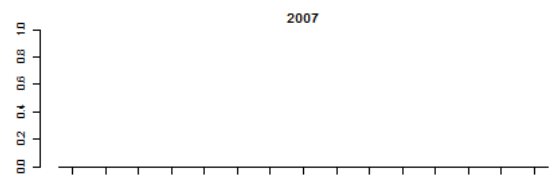
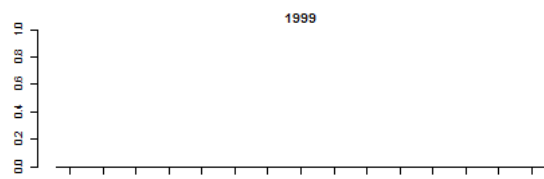
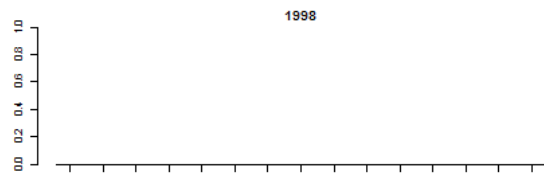
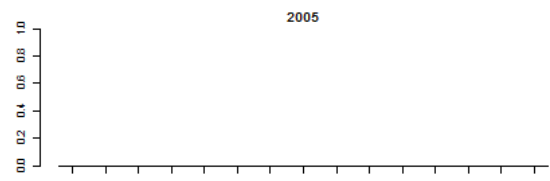
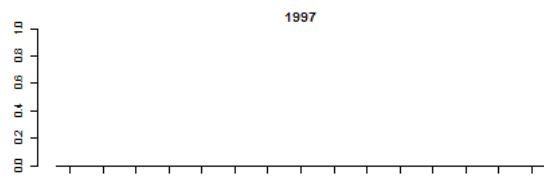


Figuur VII.12 Pontische stroomgrondel lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

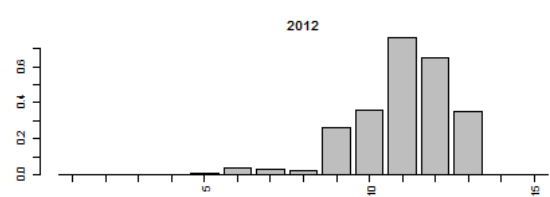
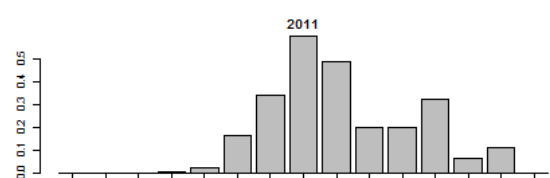
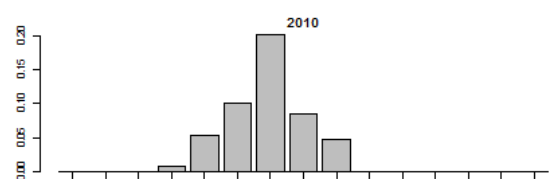
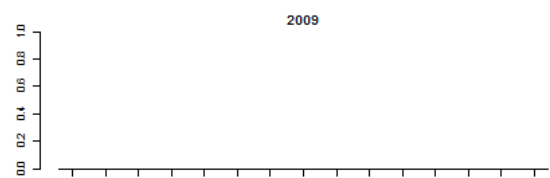
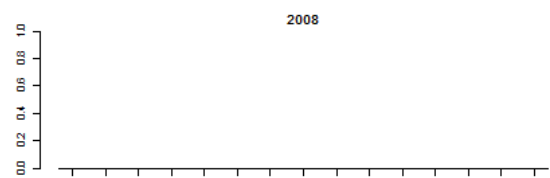
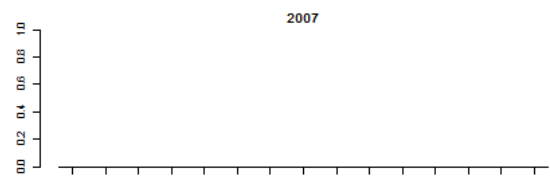
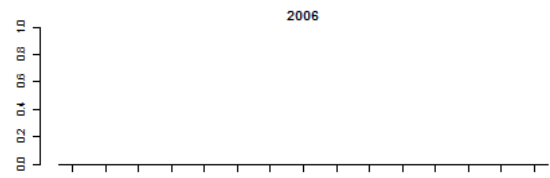
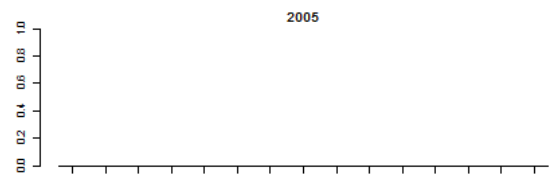
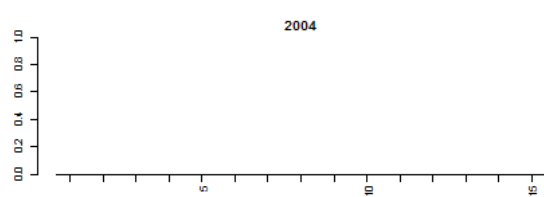
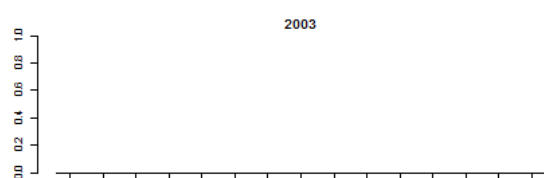
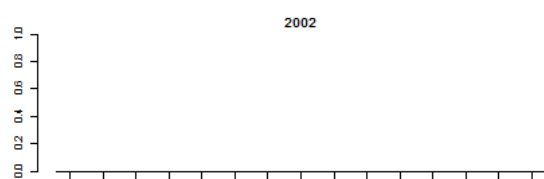
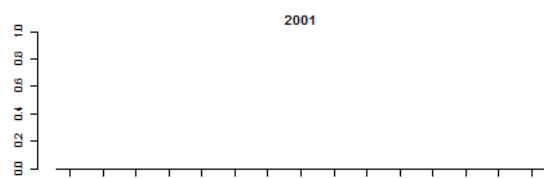
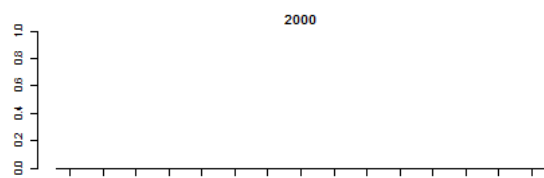
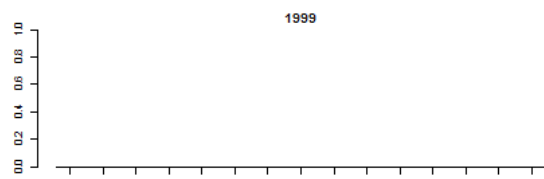
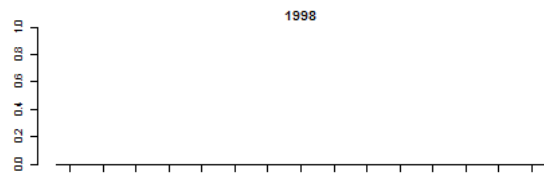
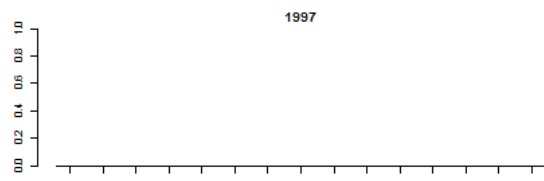
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



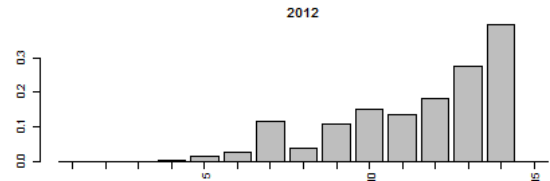
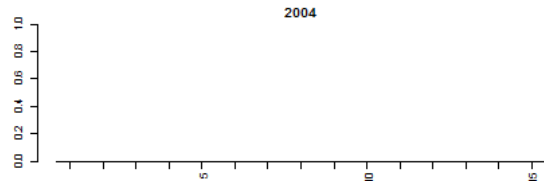
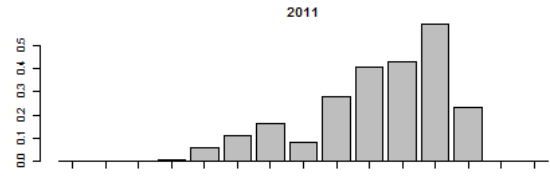
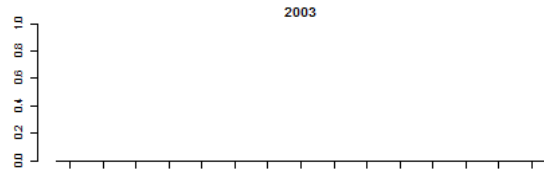
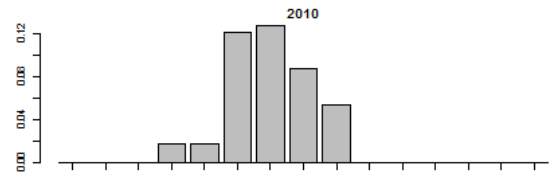
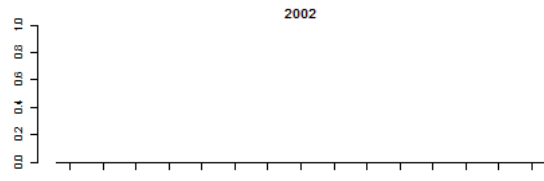
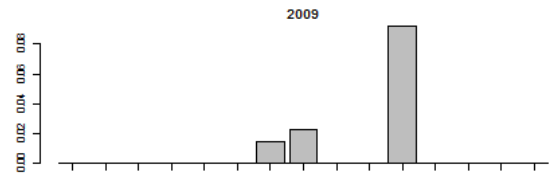
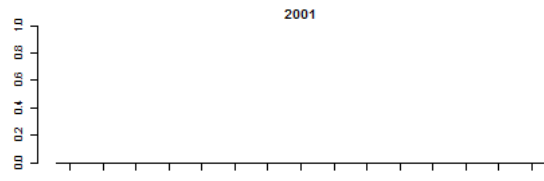
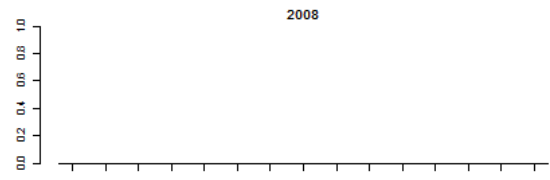
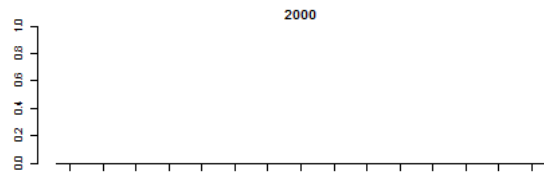
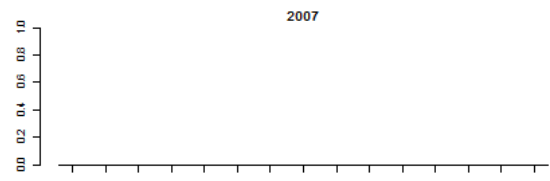
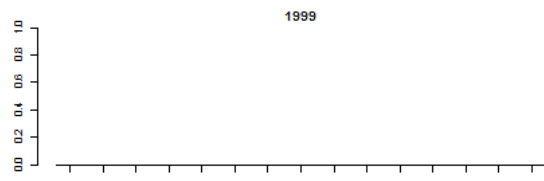
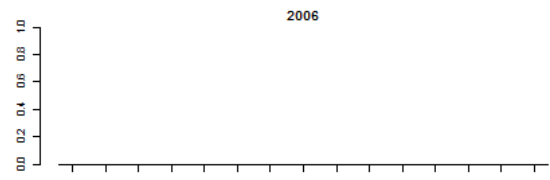
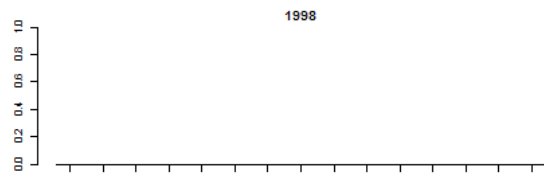
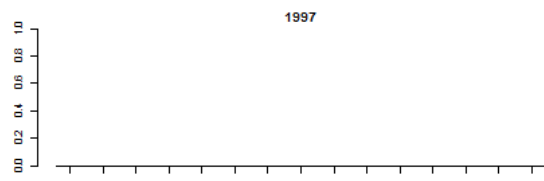
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



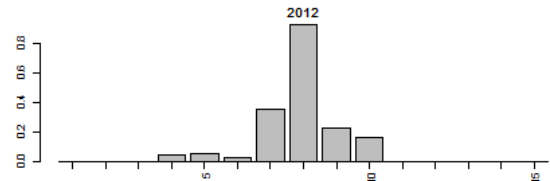
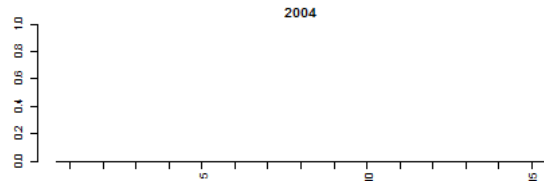
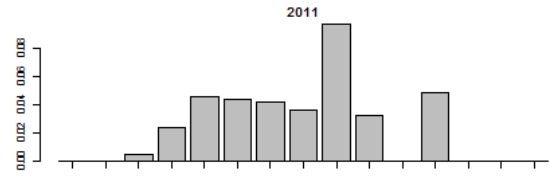
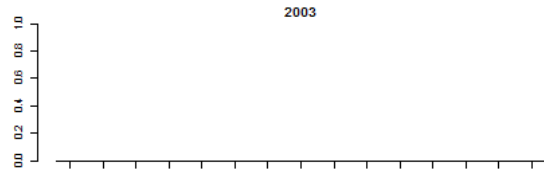
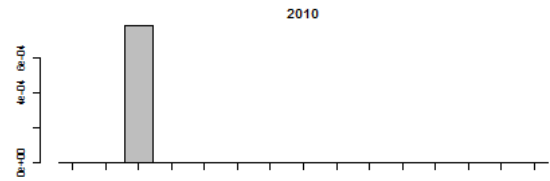
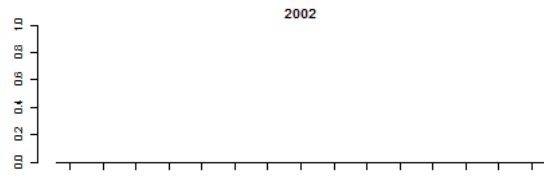
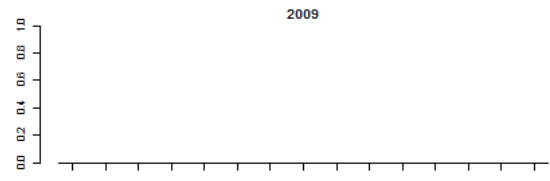
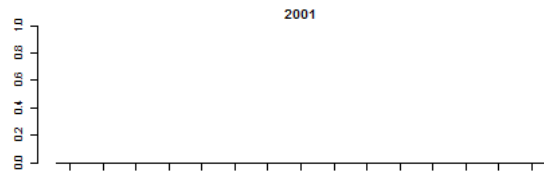
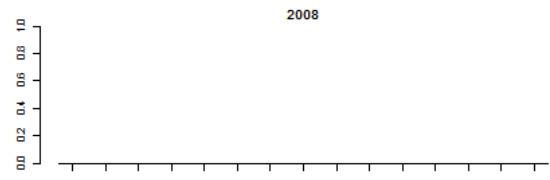
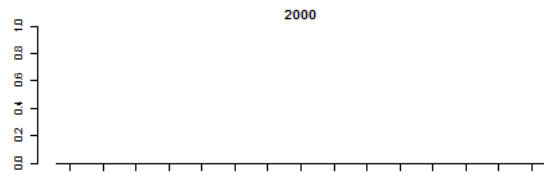
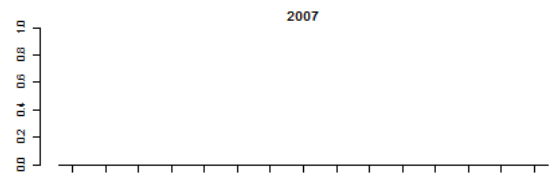
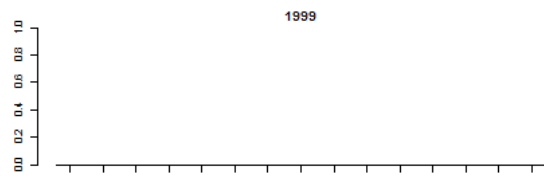
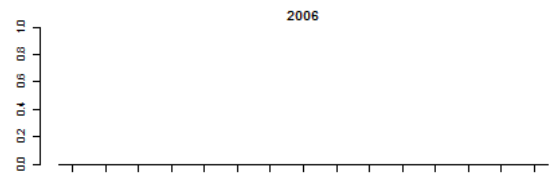
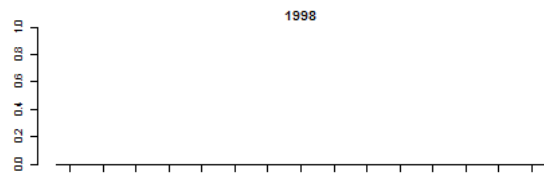
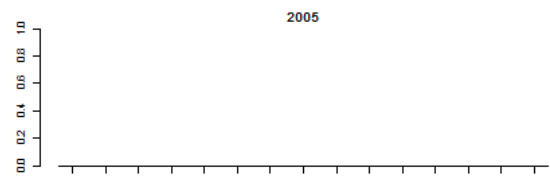
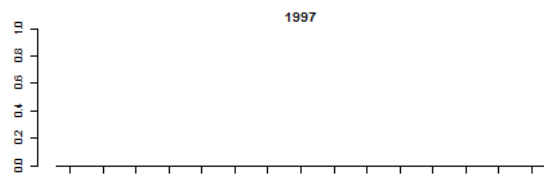
Bovenloop Nederrijn (bemonstering vanaf 1997)



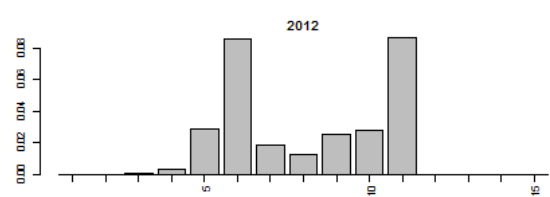
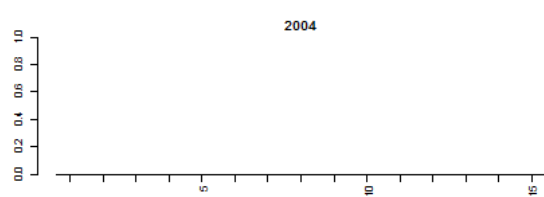
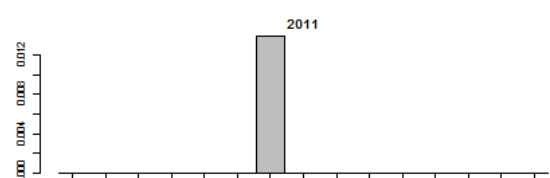
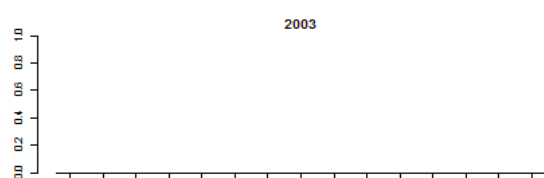
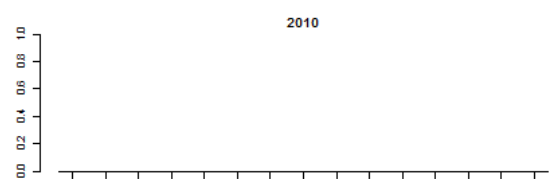
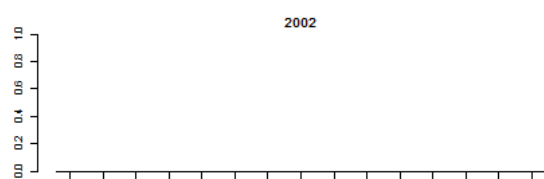
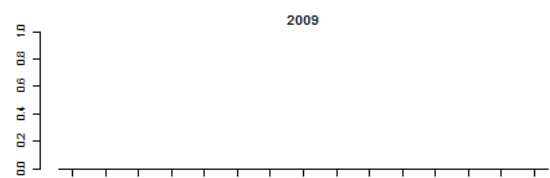
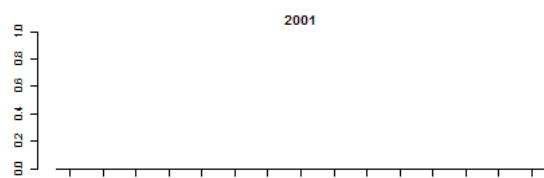
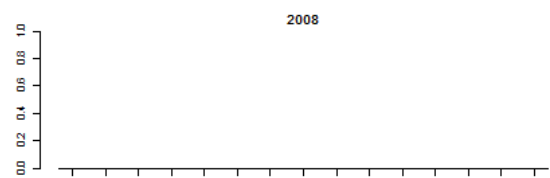
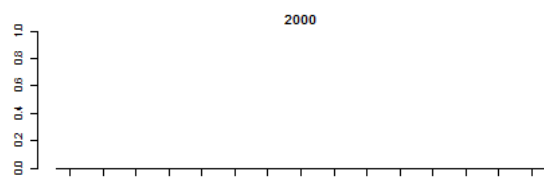
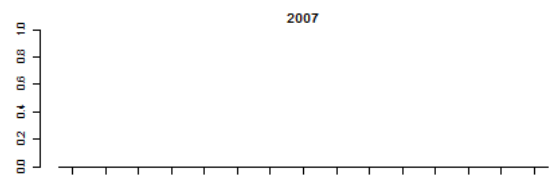
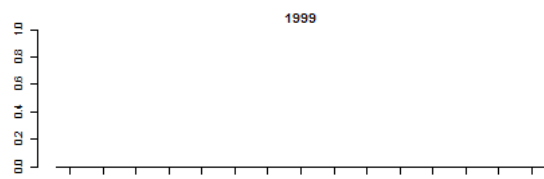
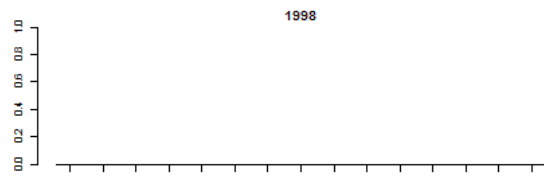
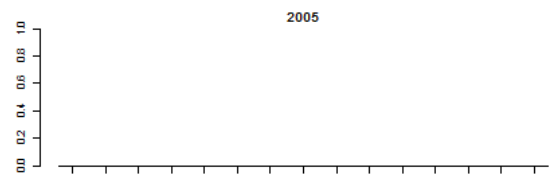
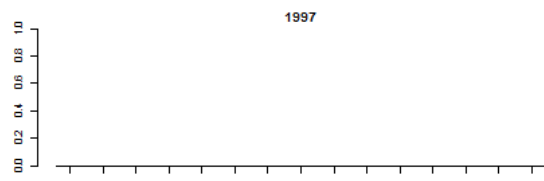
Bovenloop Waal (bemonstering vanaf 1997)



Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)



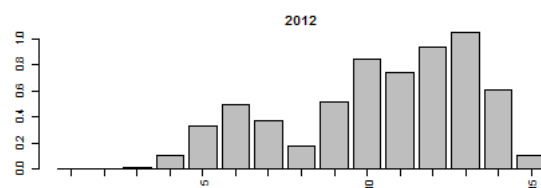
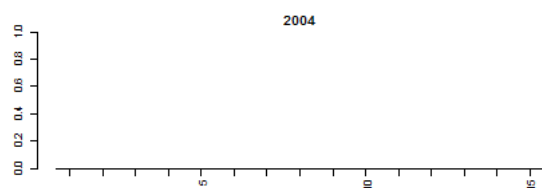
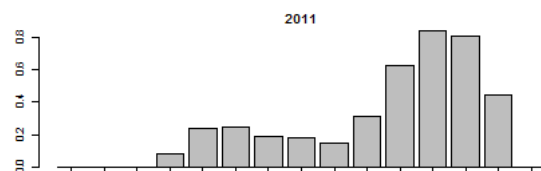
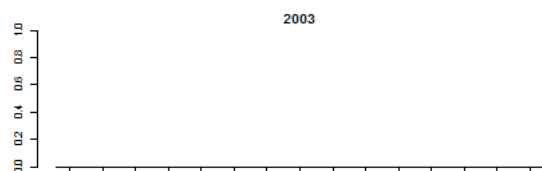
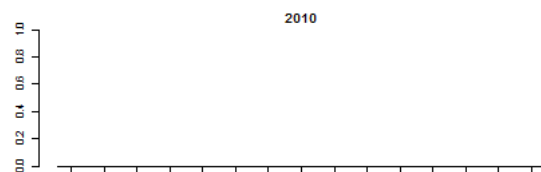
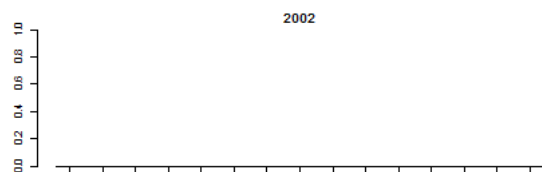
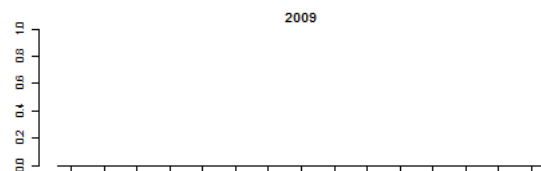
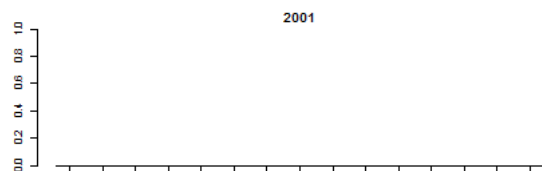
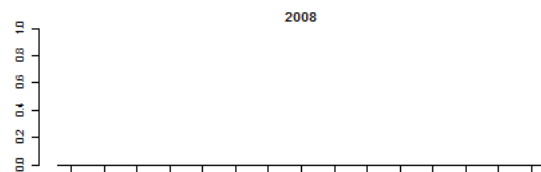
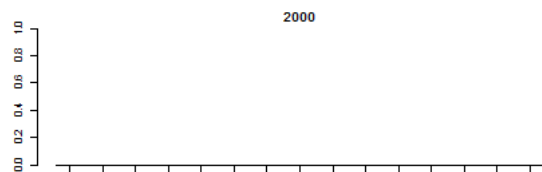
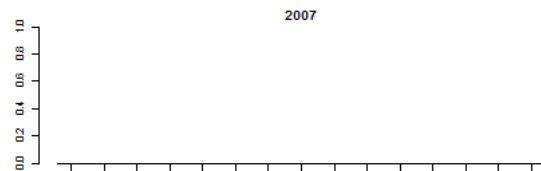
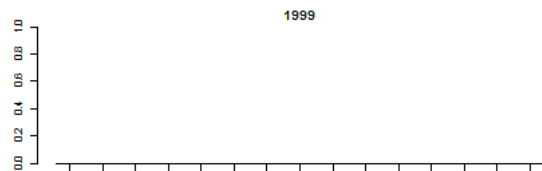
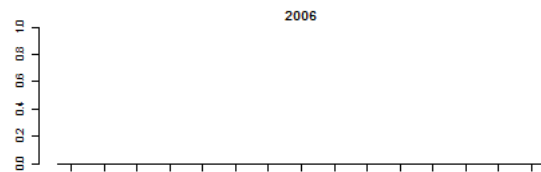
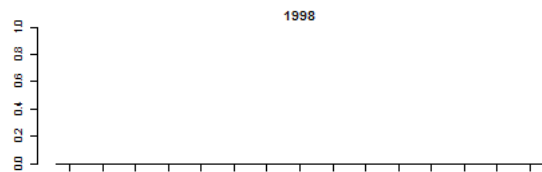
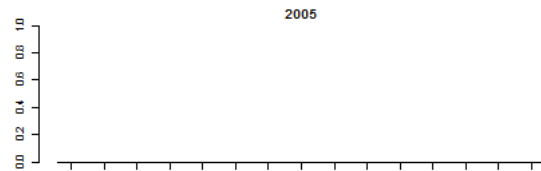
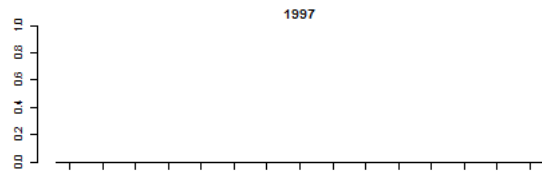
Grensmaas (bemonstering vanaf 1997)

Geen Pontische stroomgrondel gevangen.

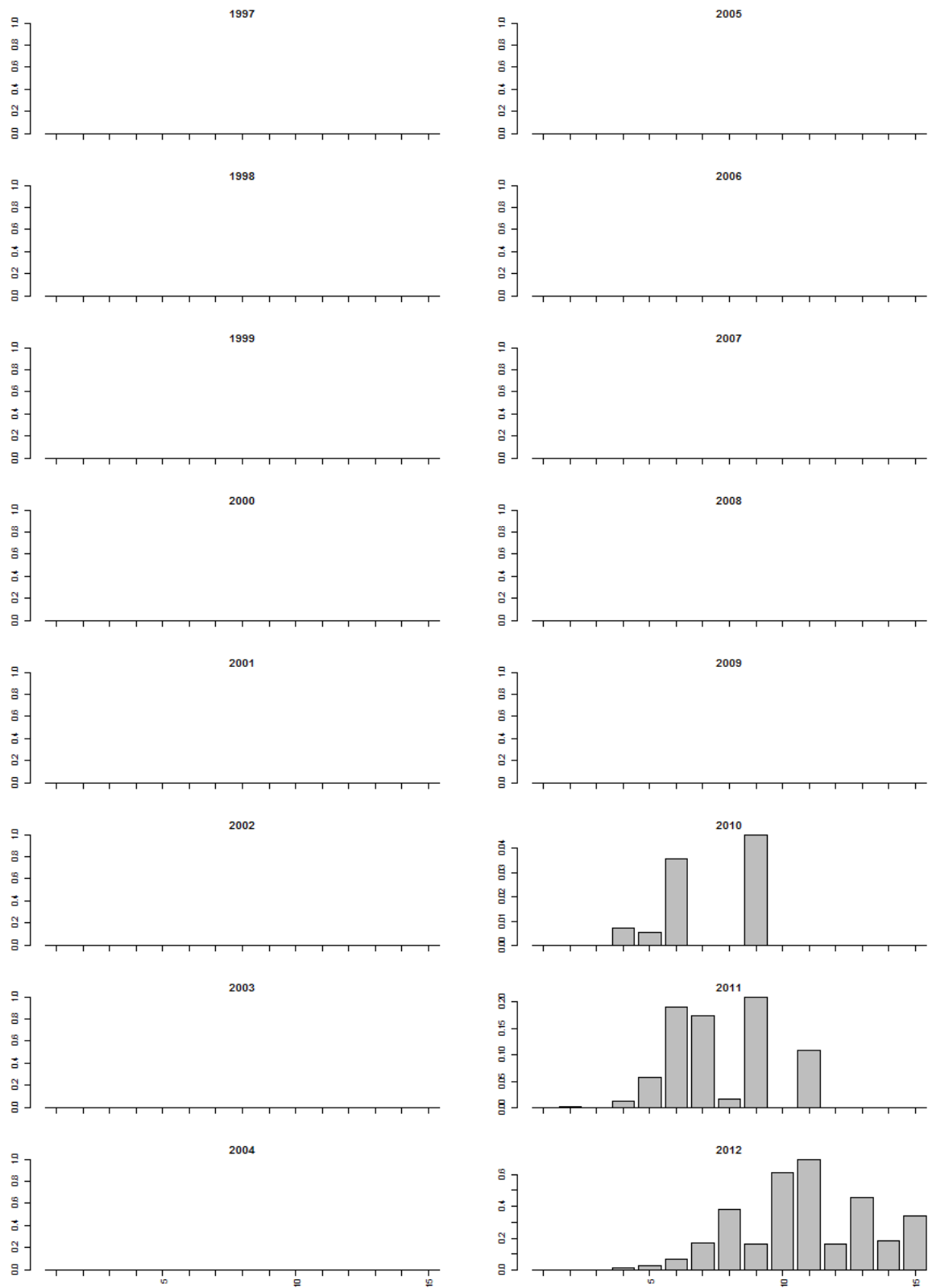
Grevelingen (alleen bemonsterd in 2008 en 2011)

Geen Pontische stroomgrondel gevangen.

Hollands diep (bemonstering vanaf 1997)

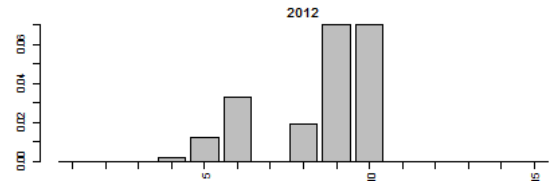
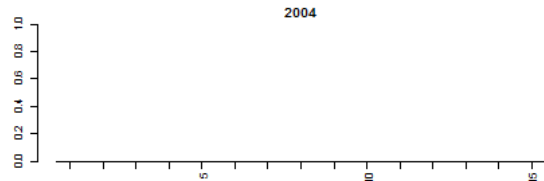
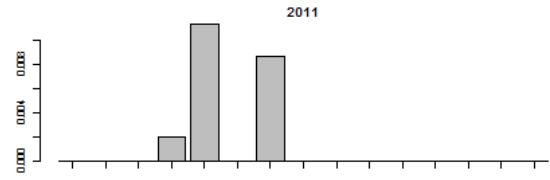
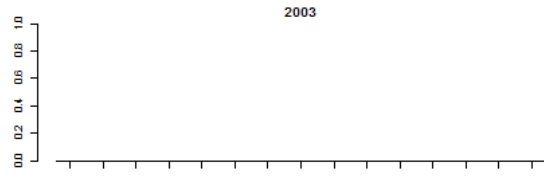
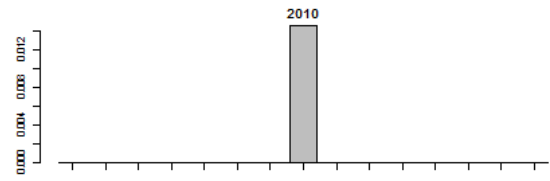
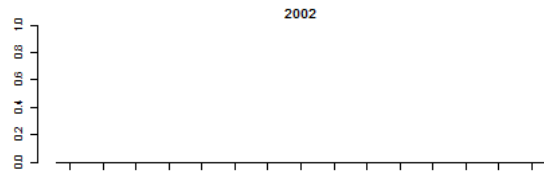
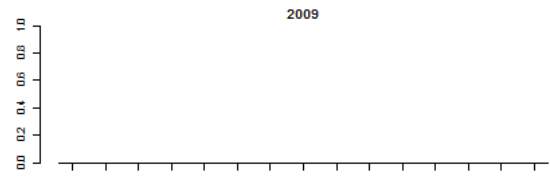
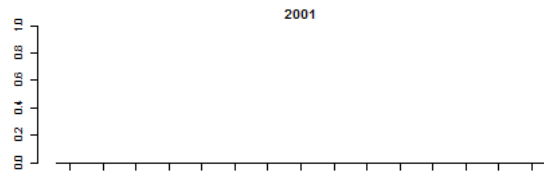
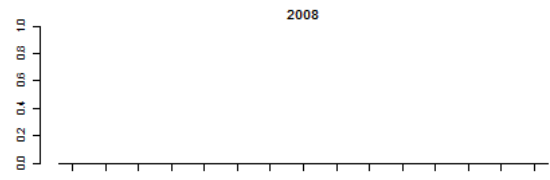
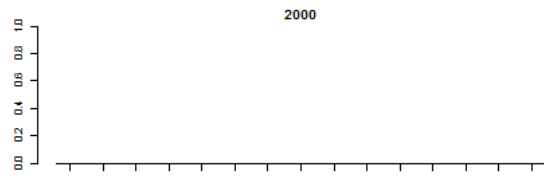
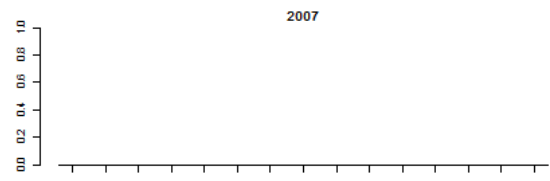
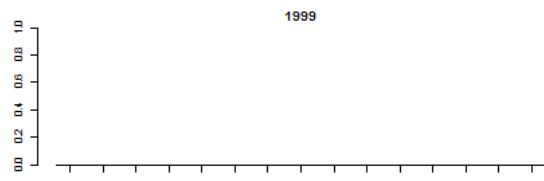
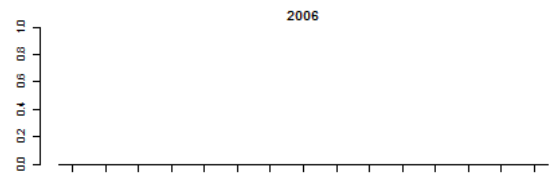
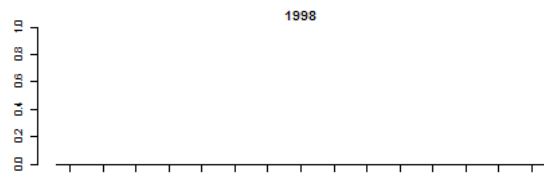
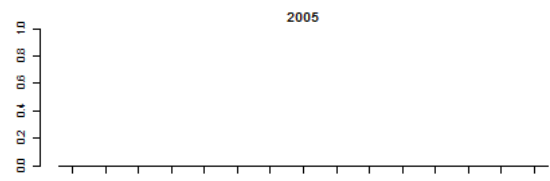
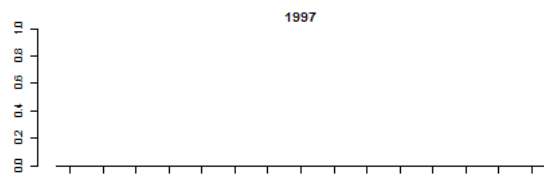


Nieuwe Merwede (bemonstering vanaf 1997)

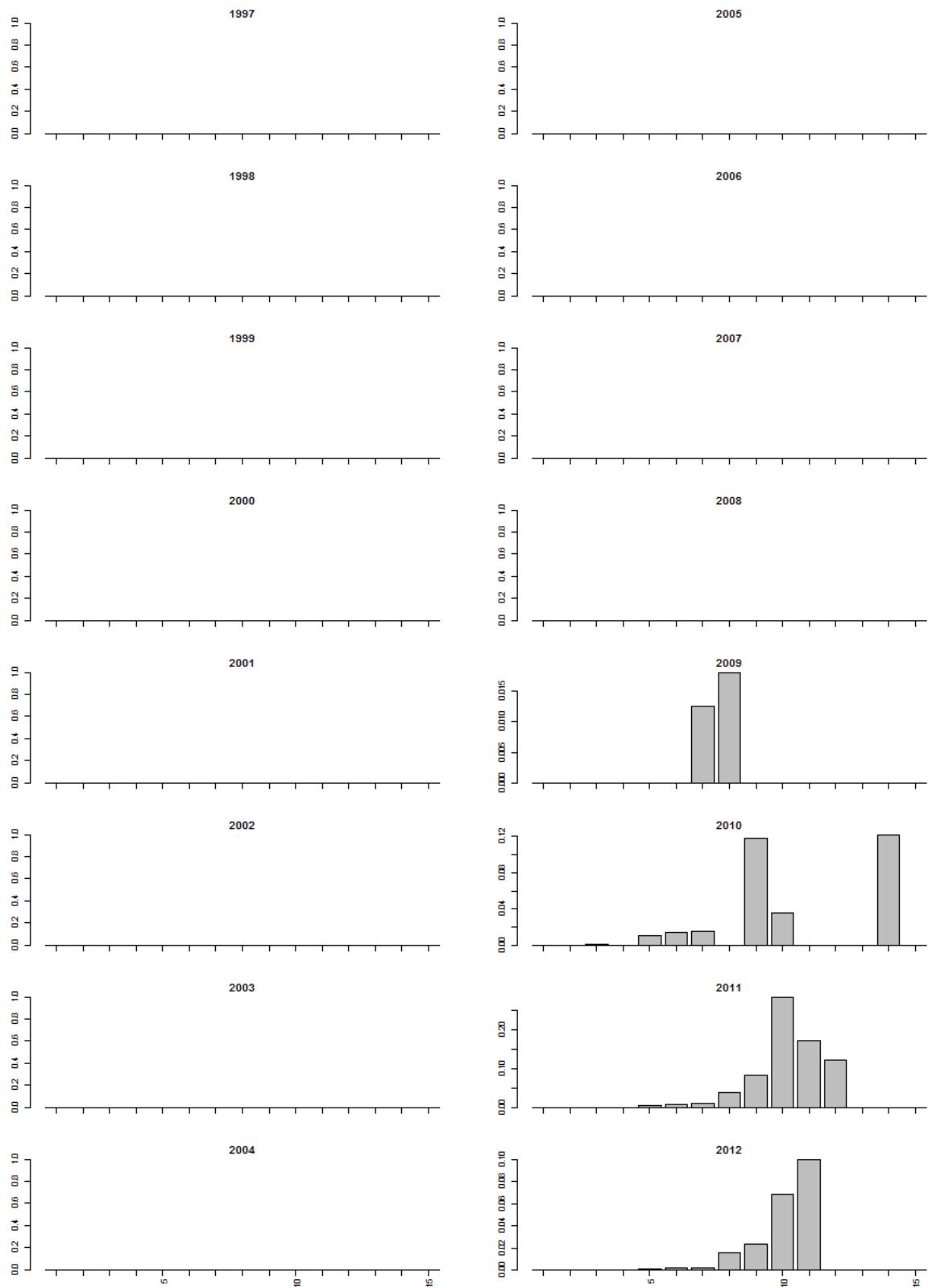


Noordzeekanaal (alleen bemonsterd in 2009 en 2012) . Geen Pontische stroomgrondel gevangen.

Oude Maas (bemonstering vanaf 1997)



Rijn (bemonstering vanaf 1997)



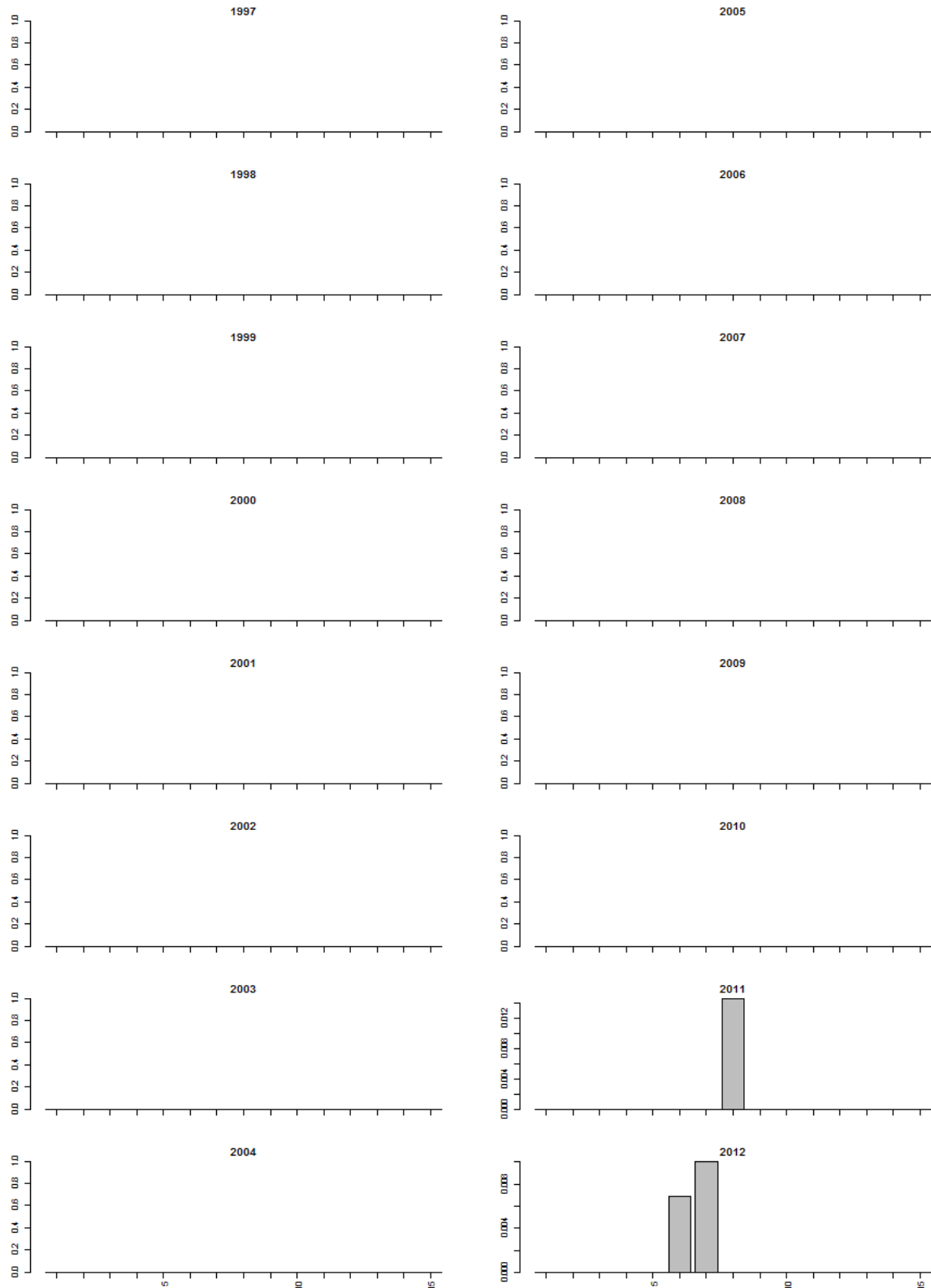
Twentekanaal (alleen bemonsterd in 2009)

Geen Pontische stroomgrondel gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

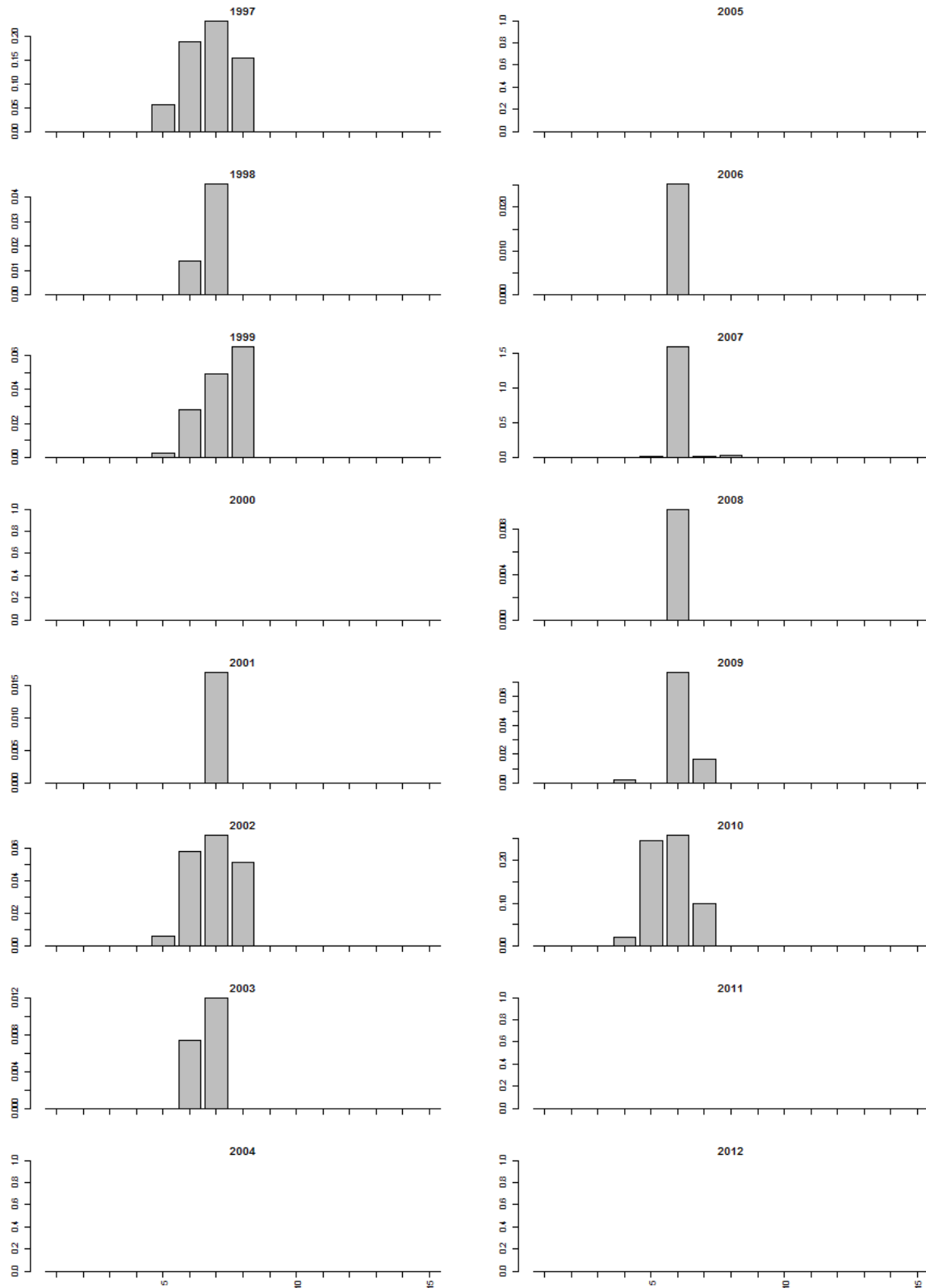
Geen Pontische stroomgrondel gevangen.

Zandmaas (bemonstering vanaf 2008)

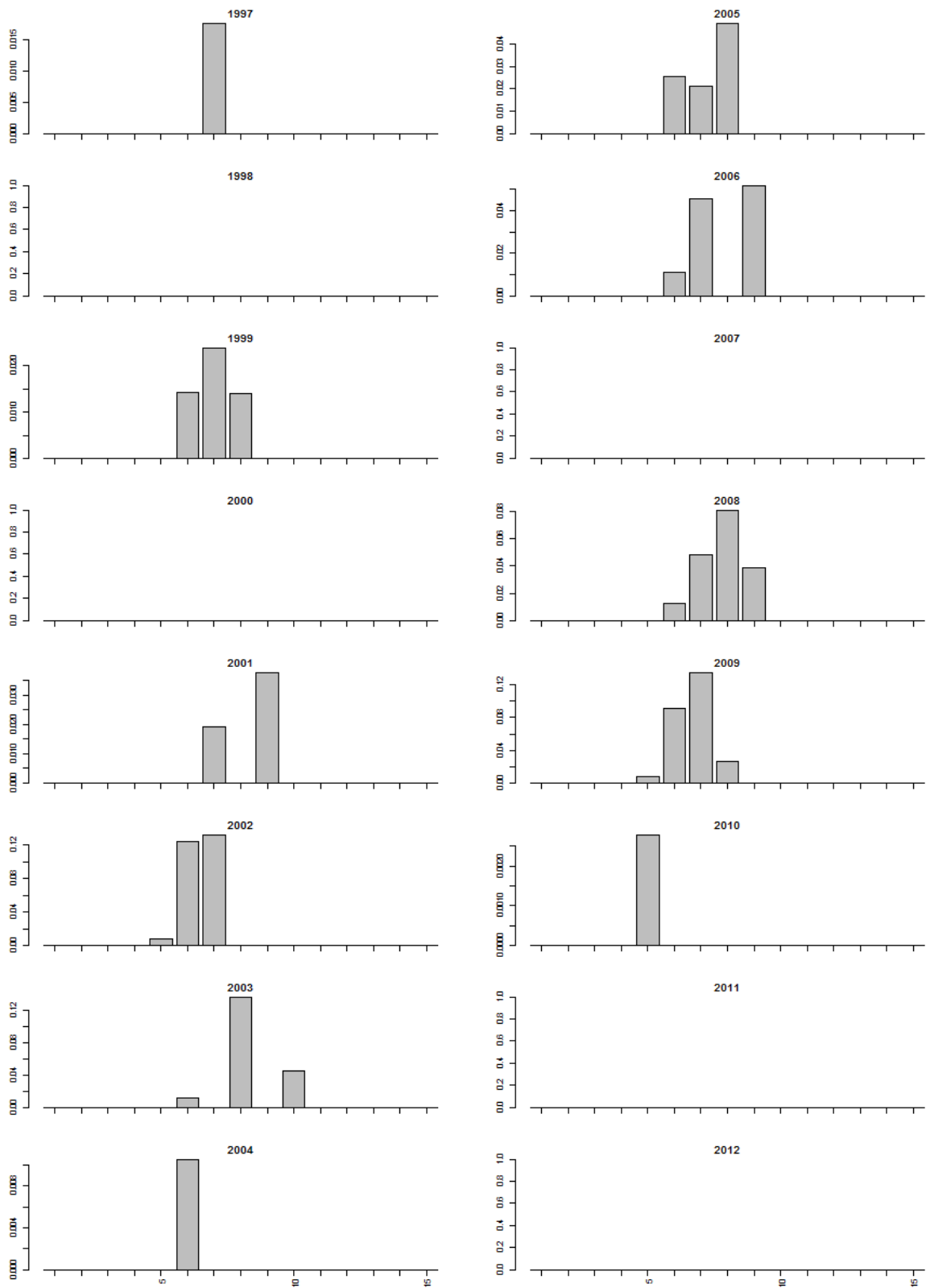


Figuur VII.13 Rivierdonderpad lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

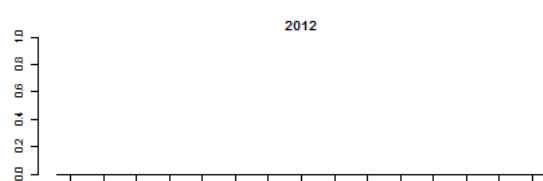
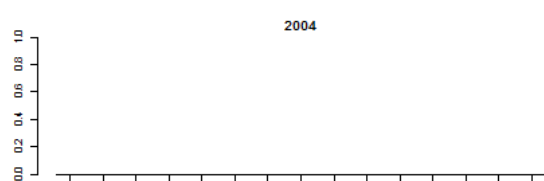
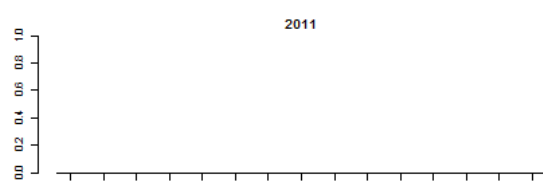
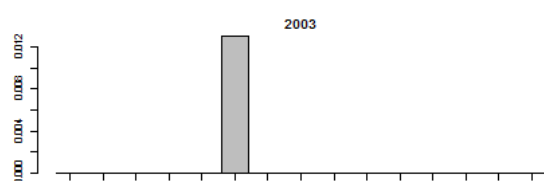
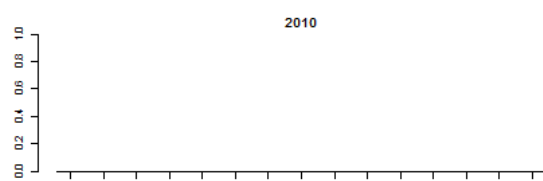
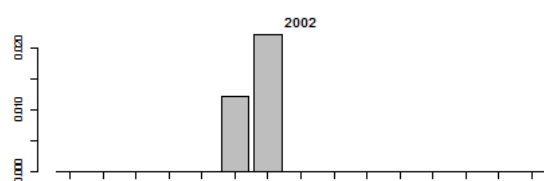
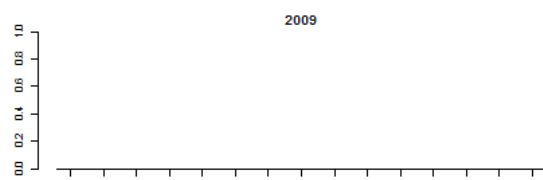
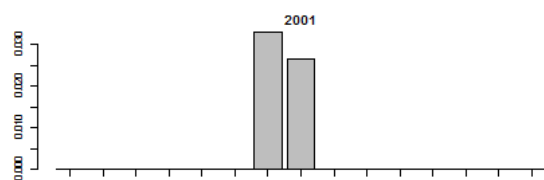
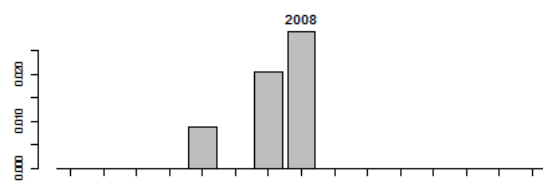
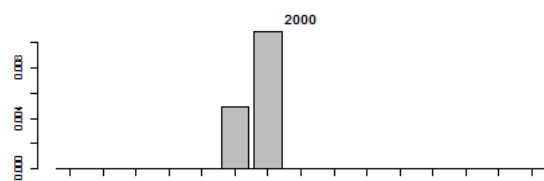
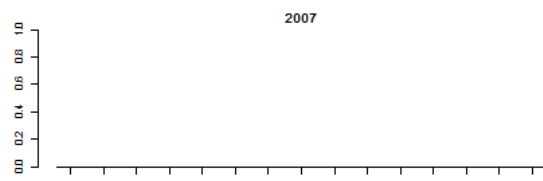
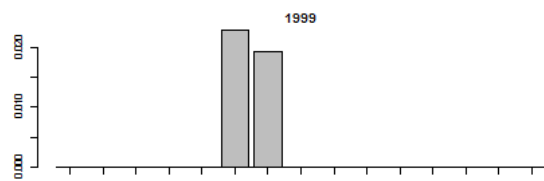
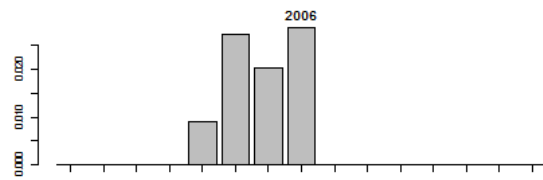
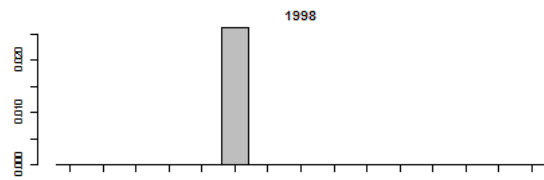
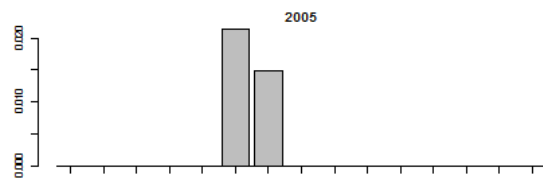
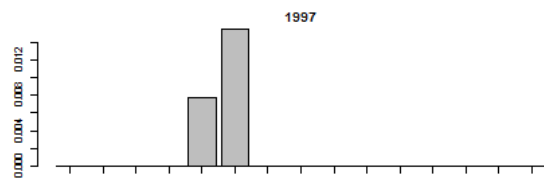
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



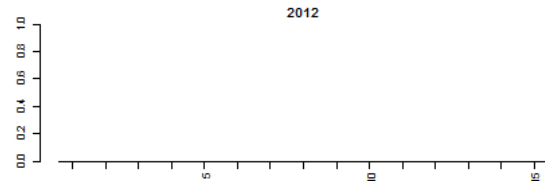
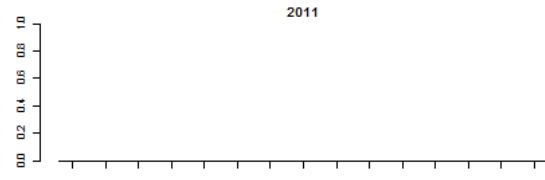
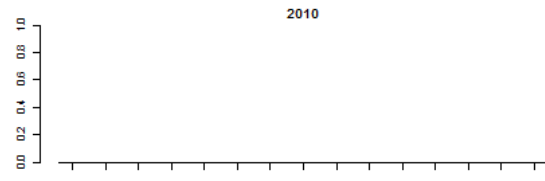
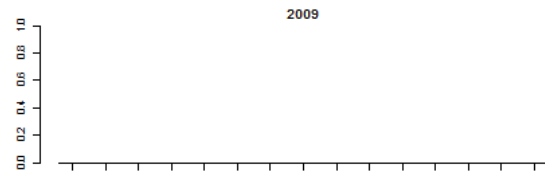
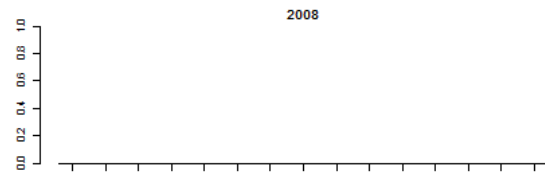
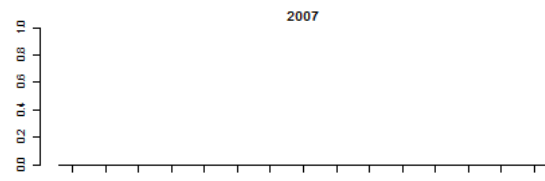
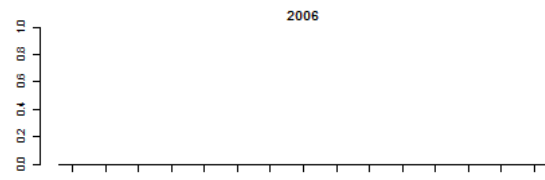
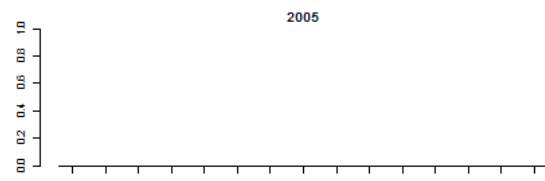
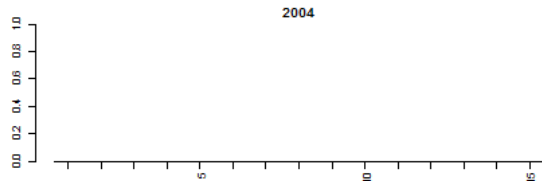
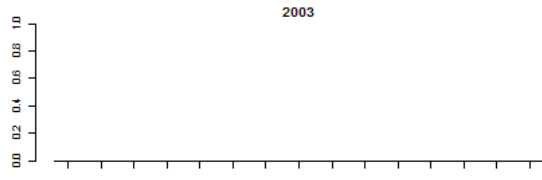
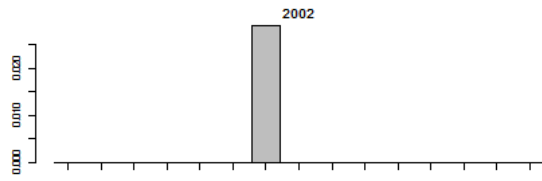
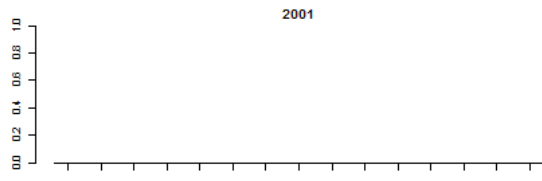
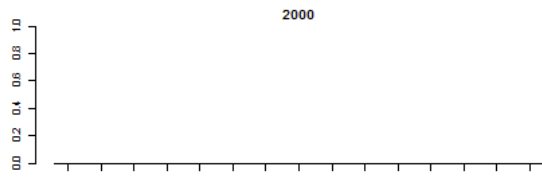
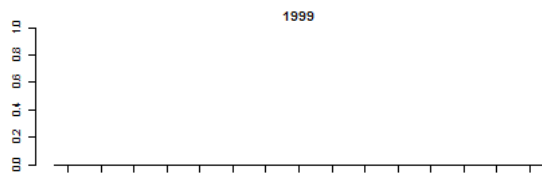
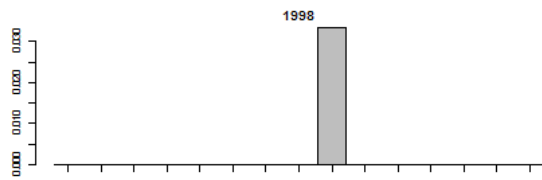
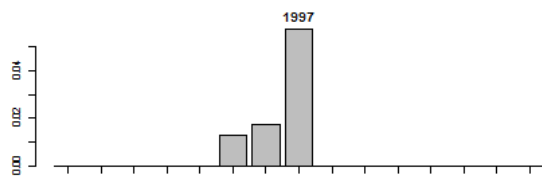
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



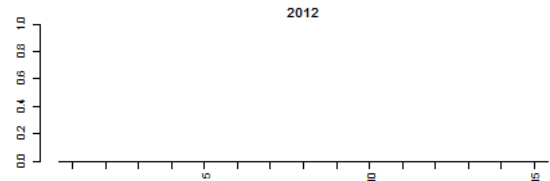
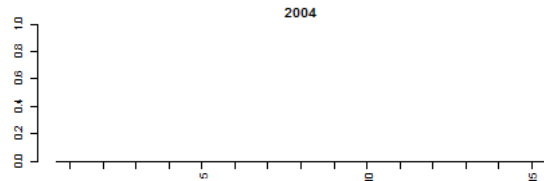
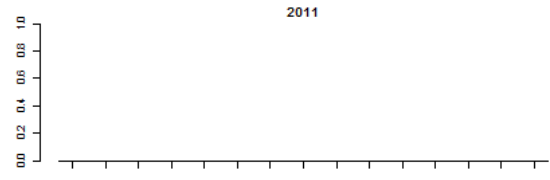
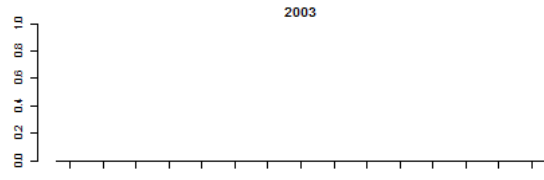
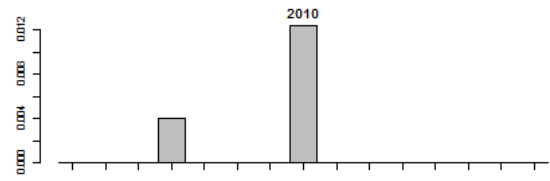
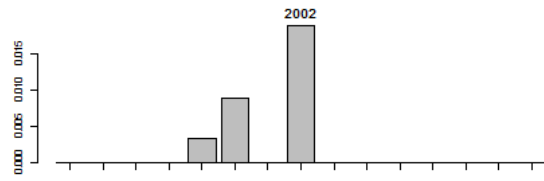
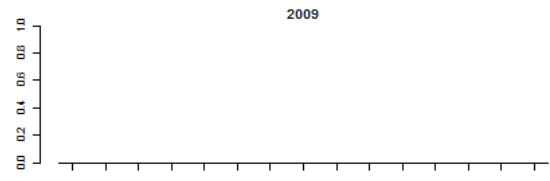
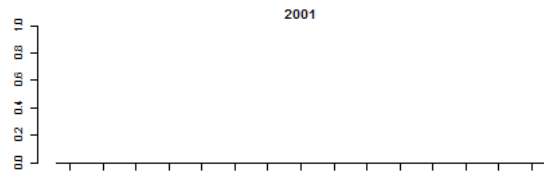
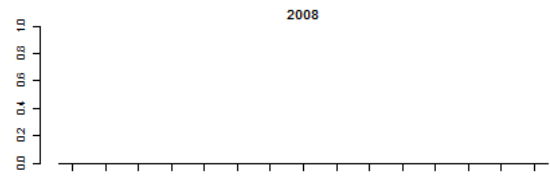
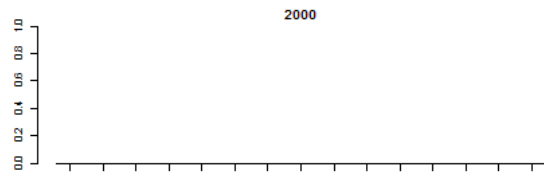
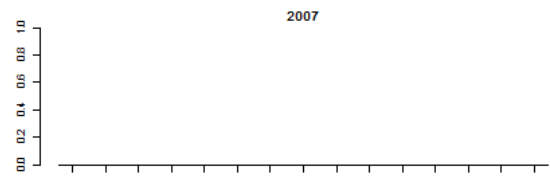
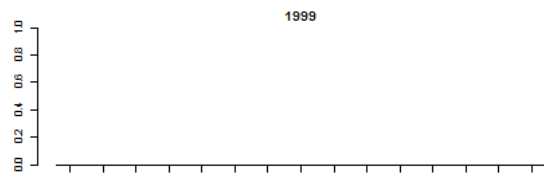
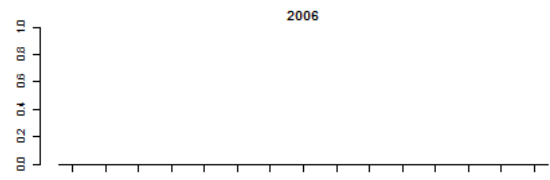
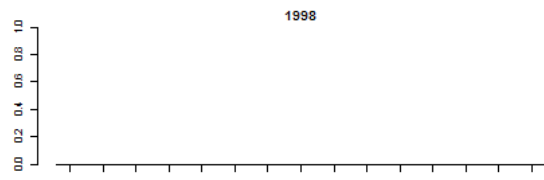
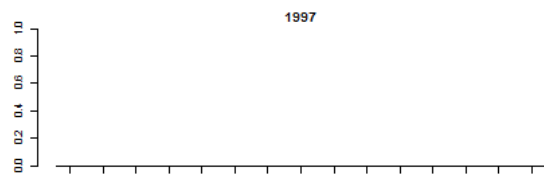
Bovenloop Nederrijn (bemonstering vanaf 1997)



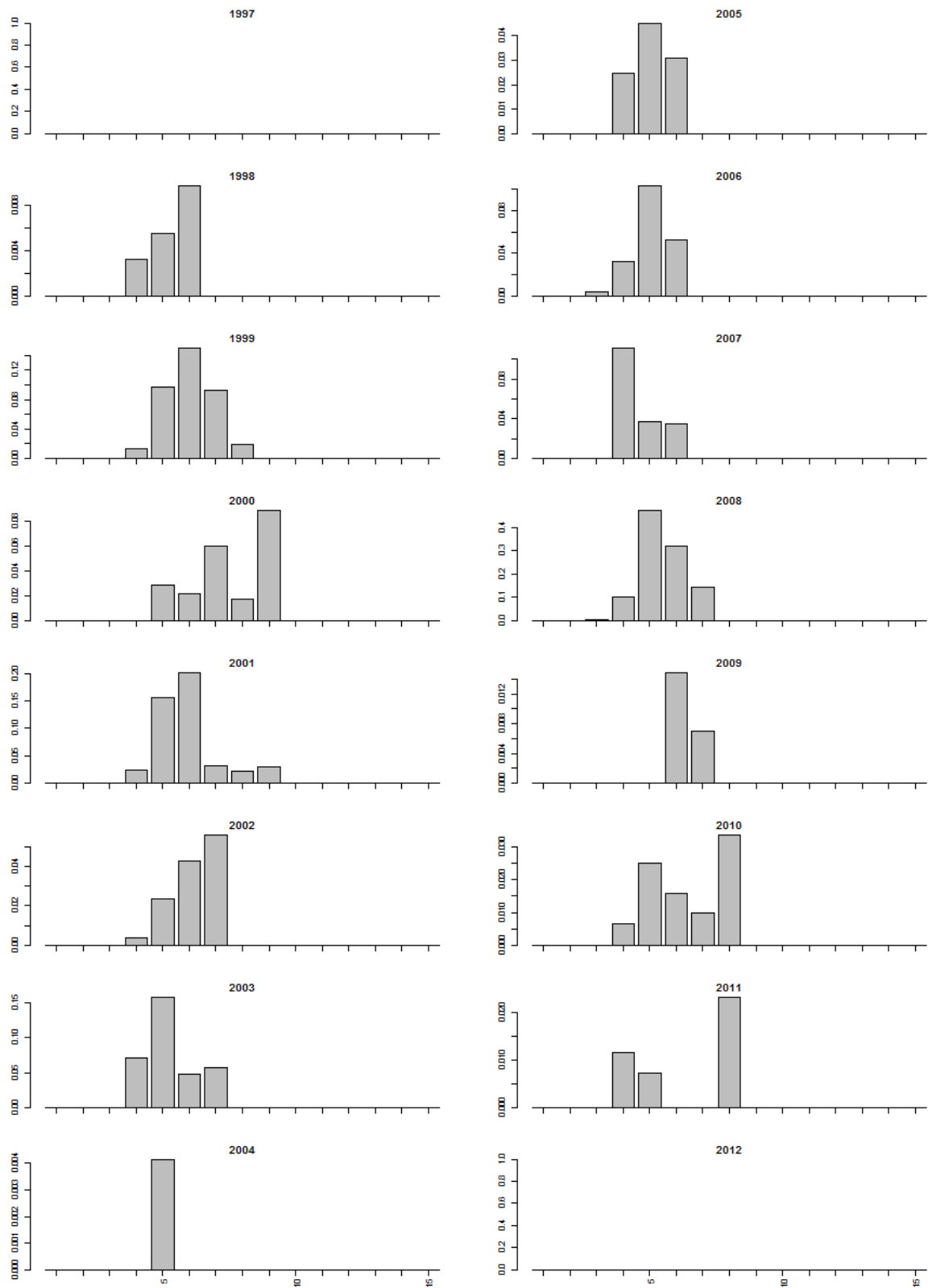
Bovenloop Waal (bemonstering vanaf 1997)



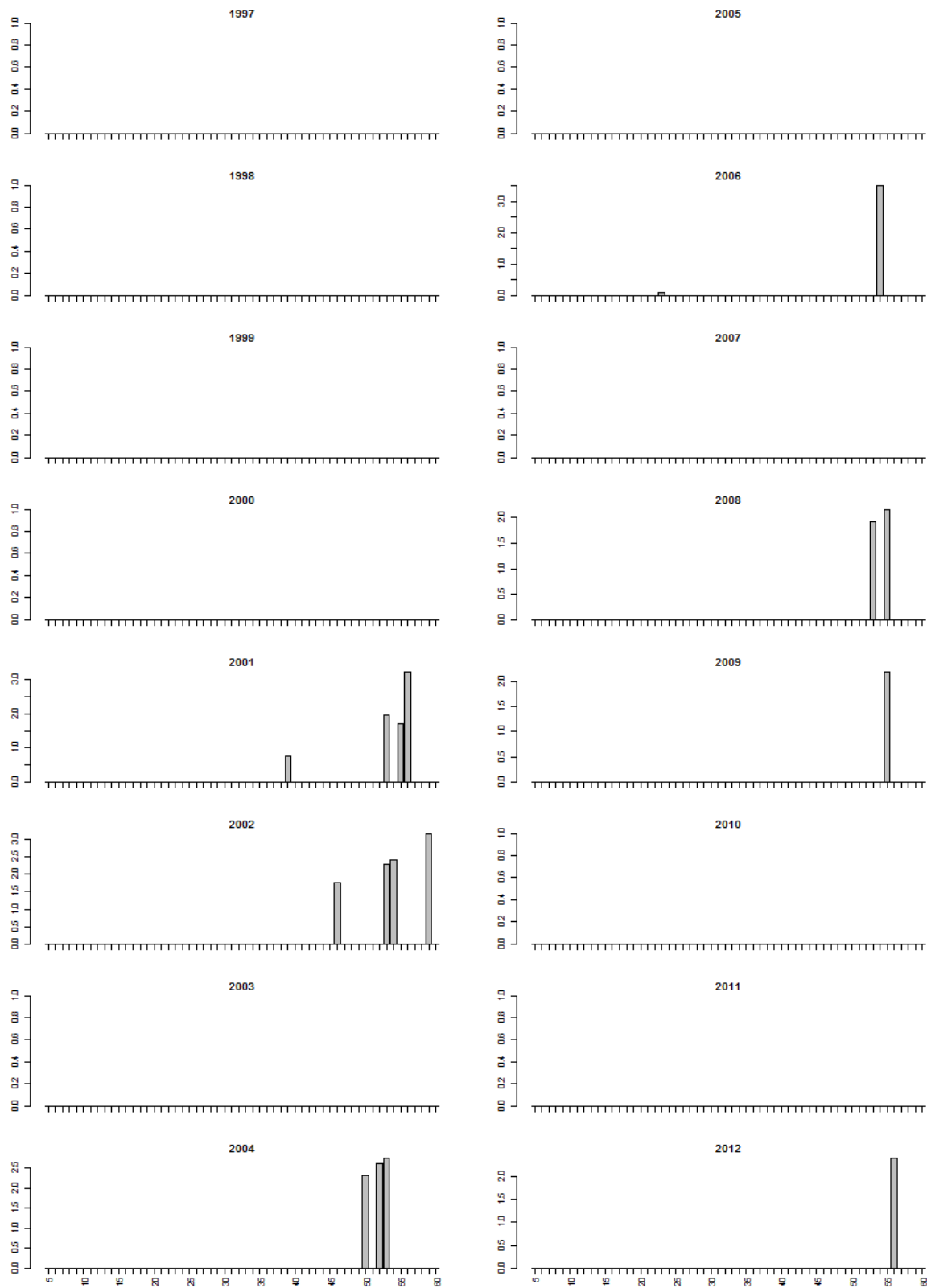
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

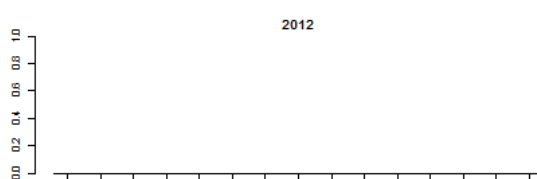
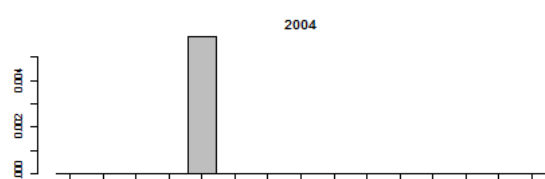
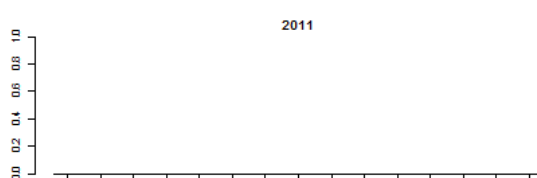
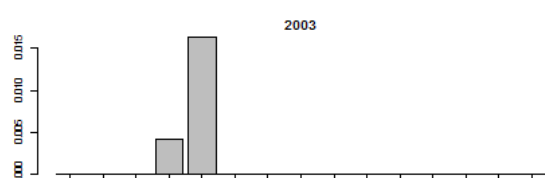
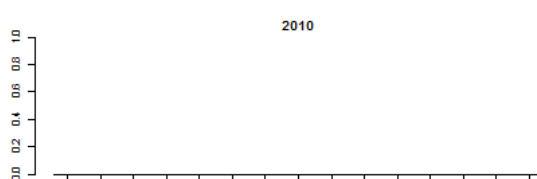
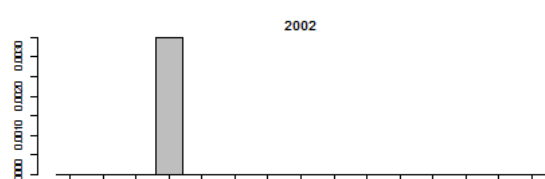
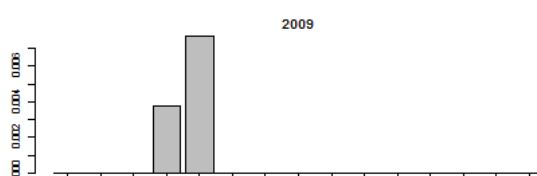
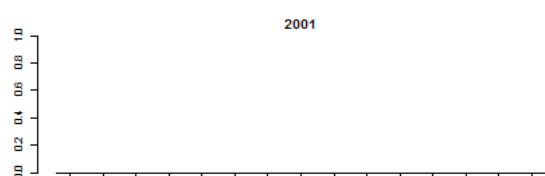
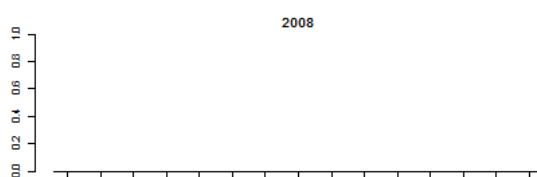
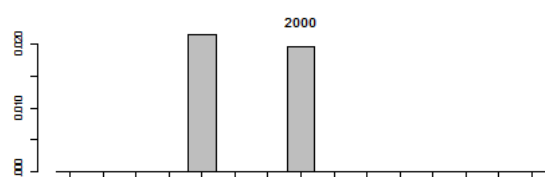
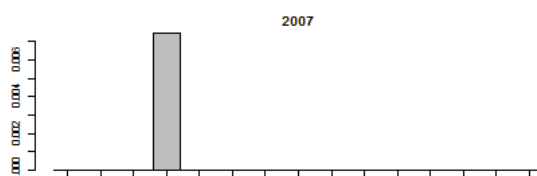
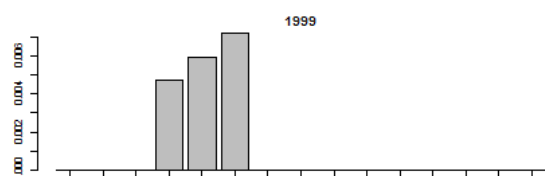
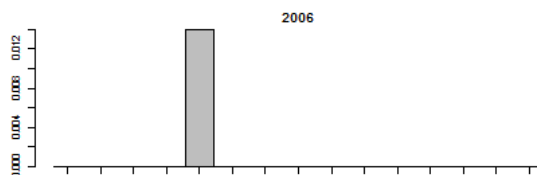
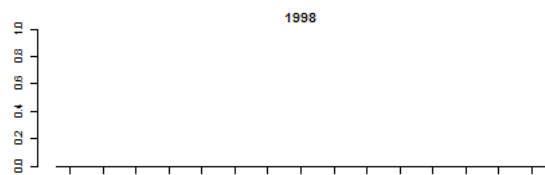
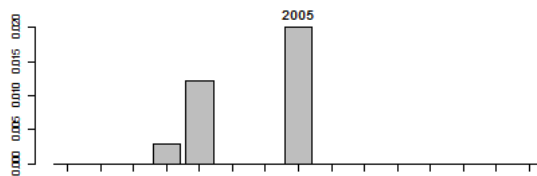
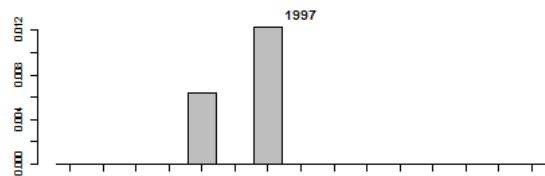


Grensmaas (bemonstering vanaf 1997)

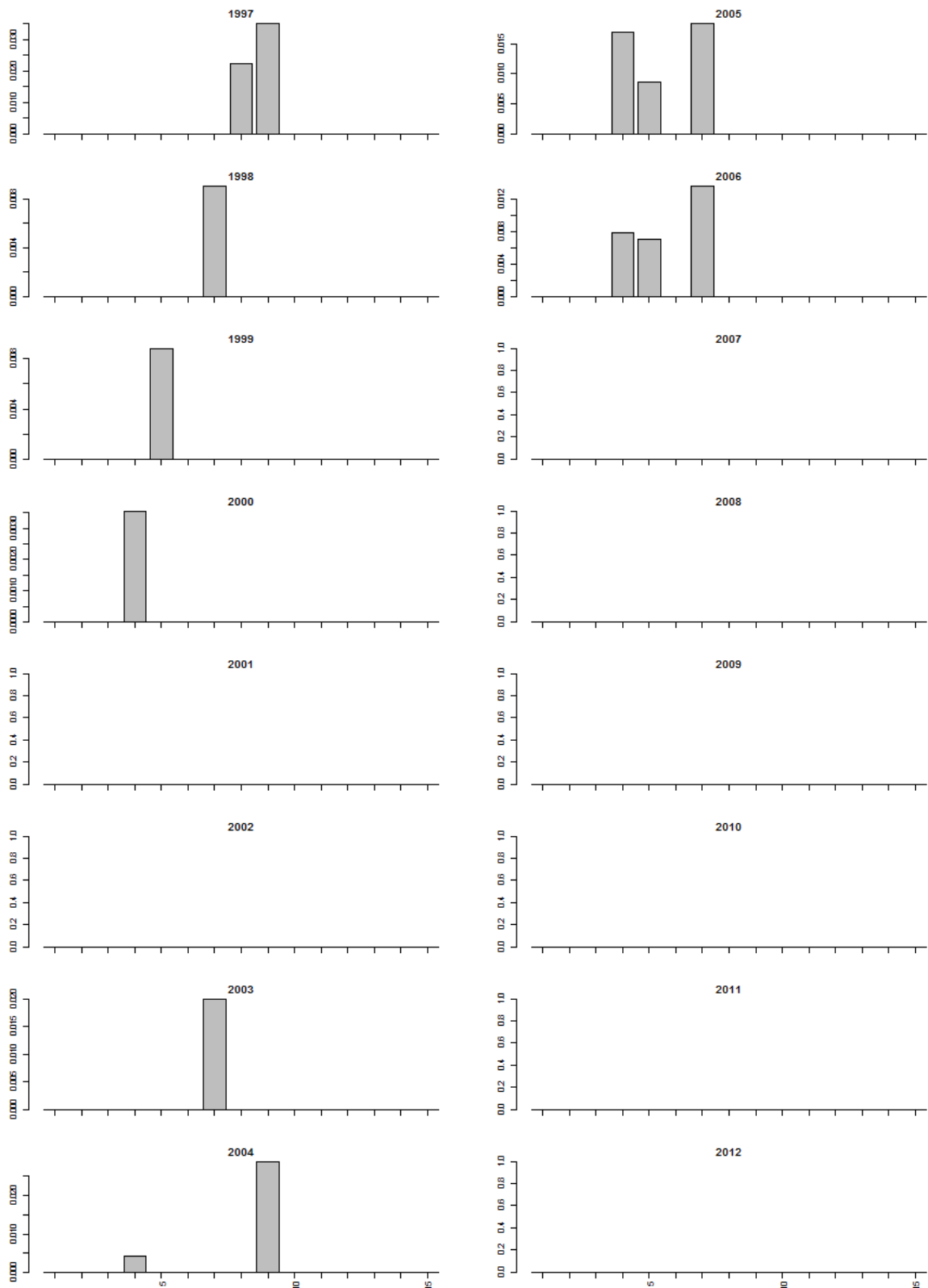


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen rivierdonderpad gevangen.

Hollands diep (bemonstering vanaf 1997)

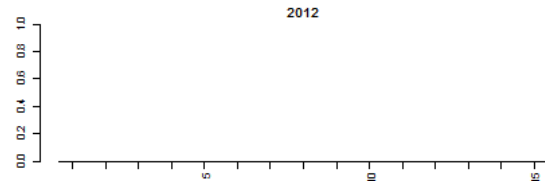
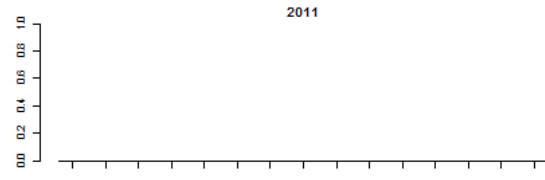
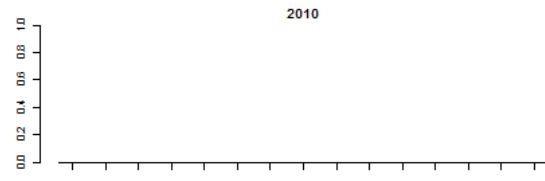
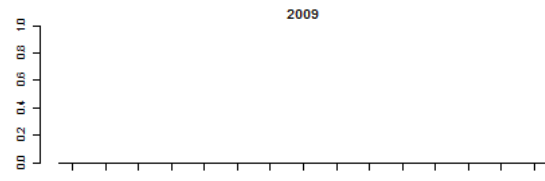
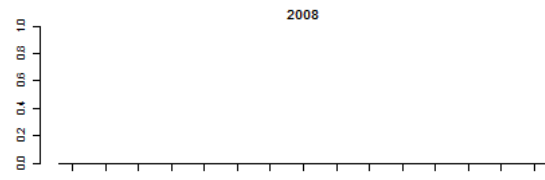
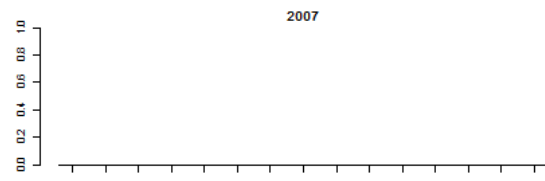
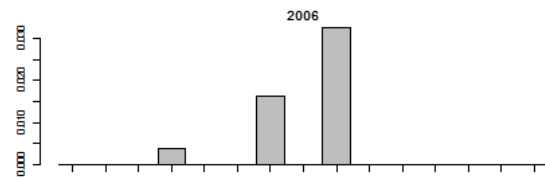
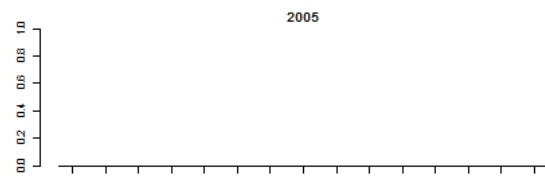
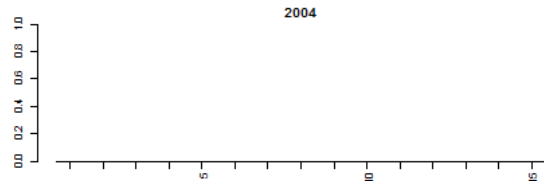
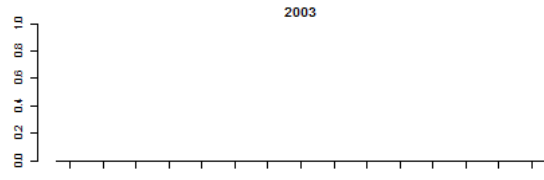
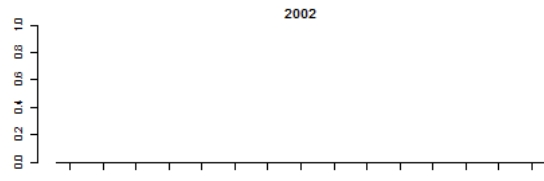
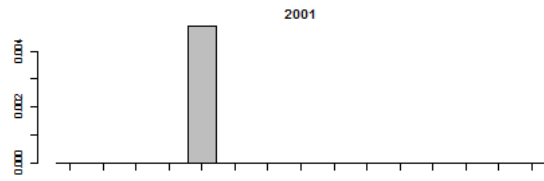
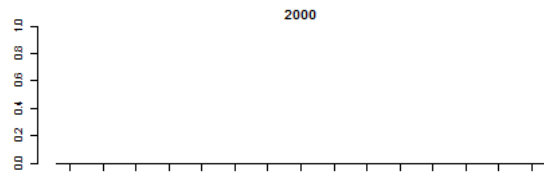
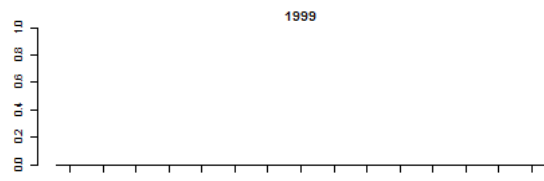
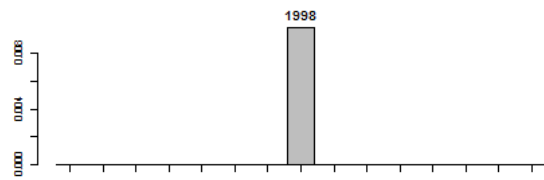
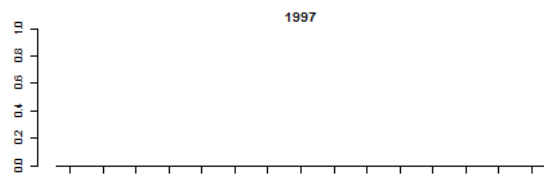


Nieuwe Merwede (bemonstering vanaf 1997)

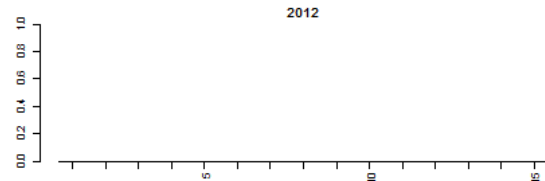
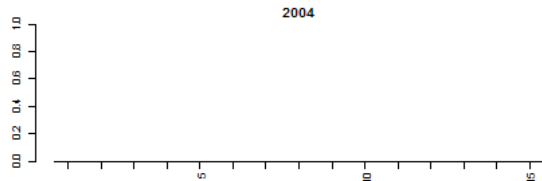
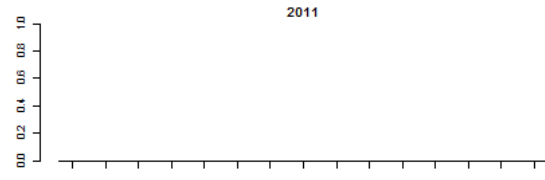
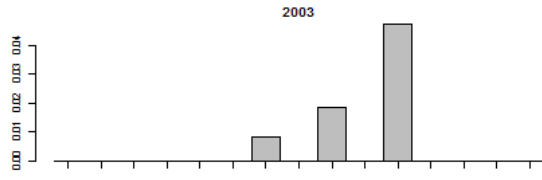
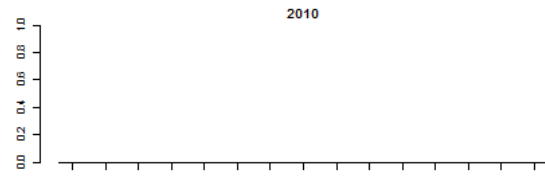
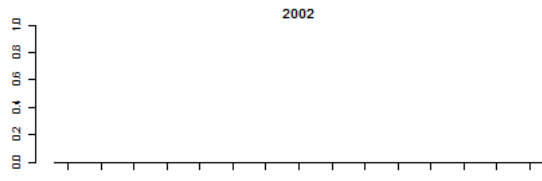
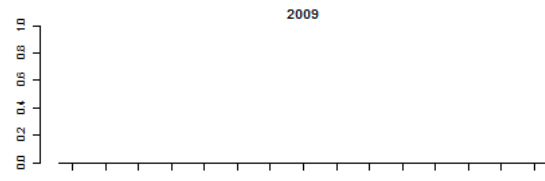
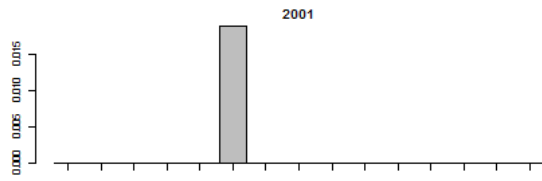
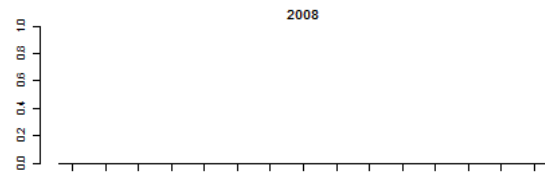
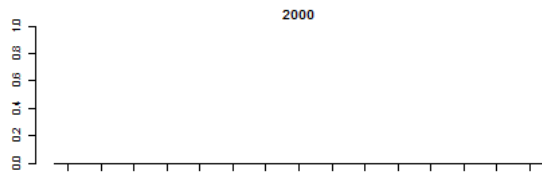
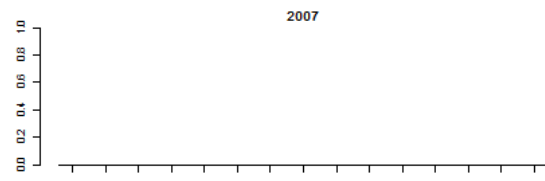
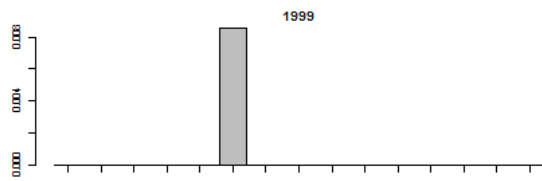
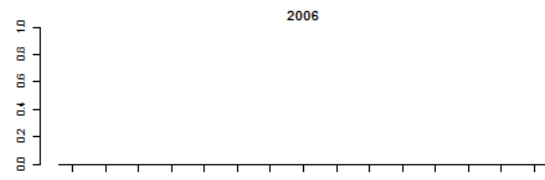
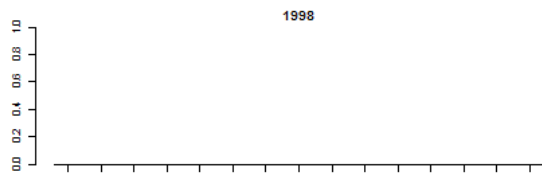
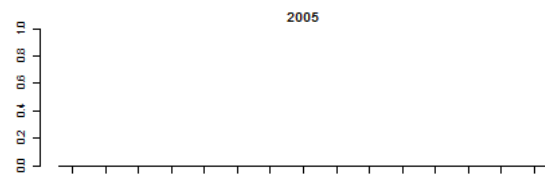
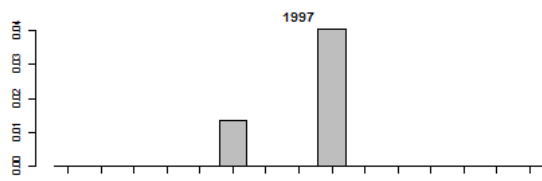


Noordzeekanaal (alleen bemonsterd in 2009 en 2012). Geen rivieronderpad gevangen.

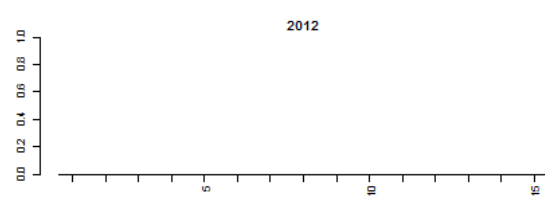
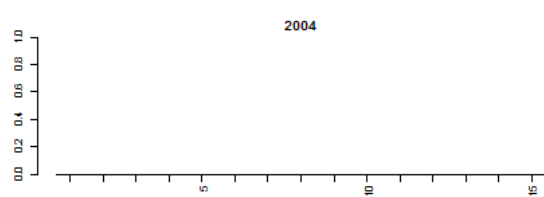
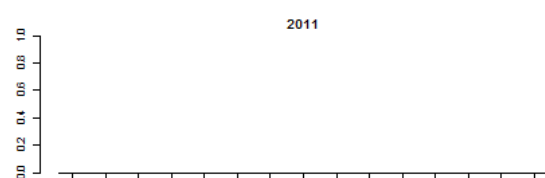
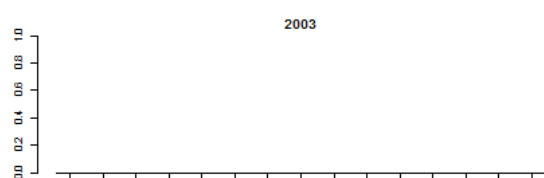
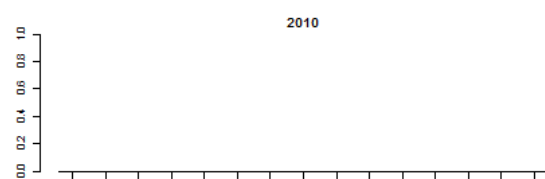
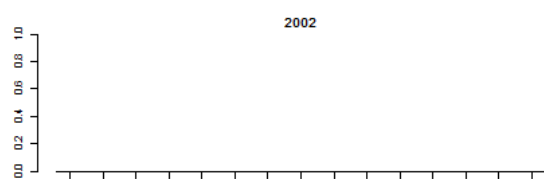
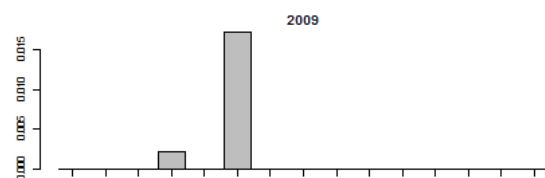
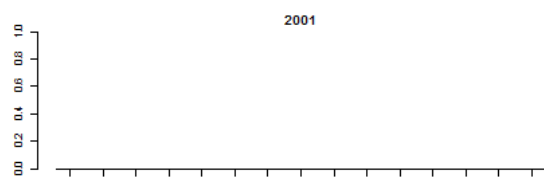
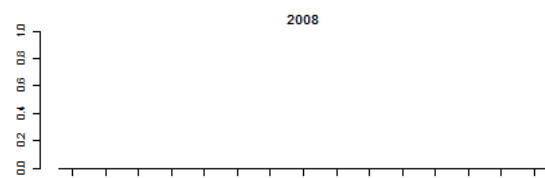
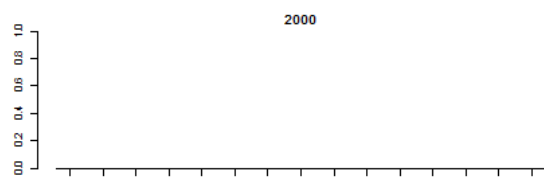
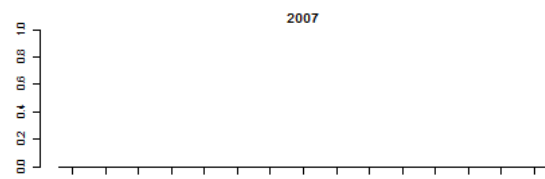
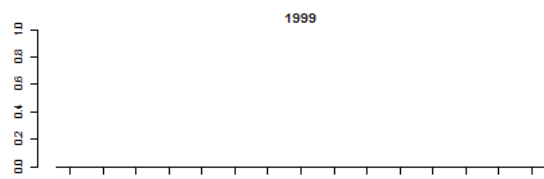
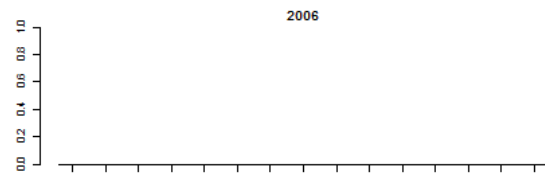
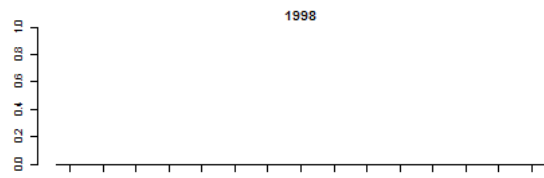
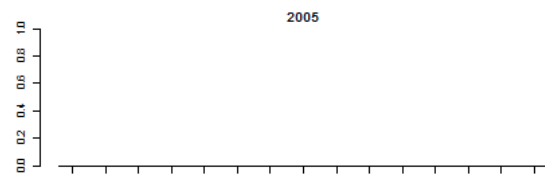
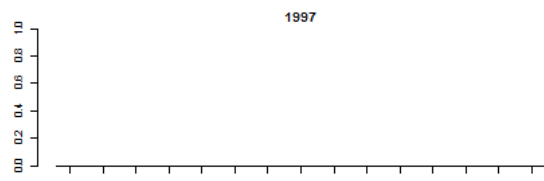
Oude Maas (bemonstering vanaf 1997)



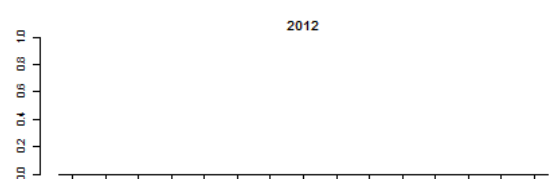
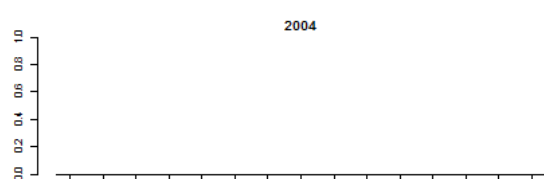
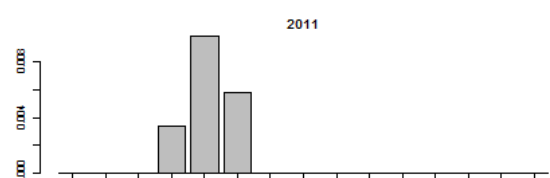
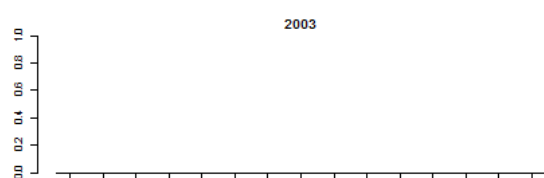
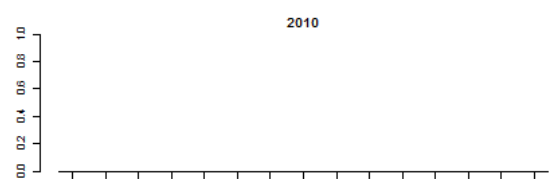
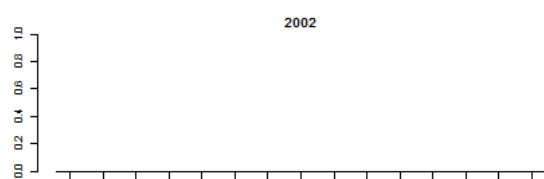
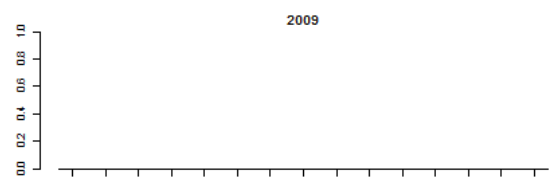
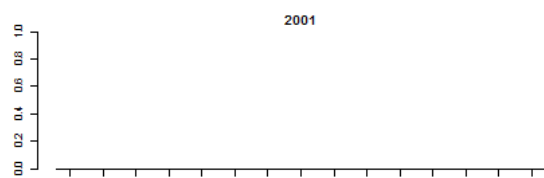
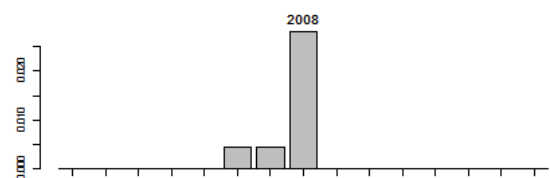
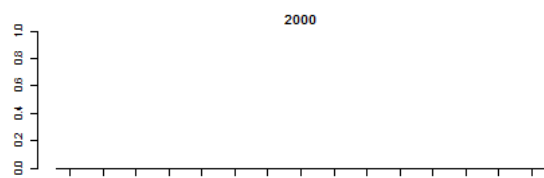
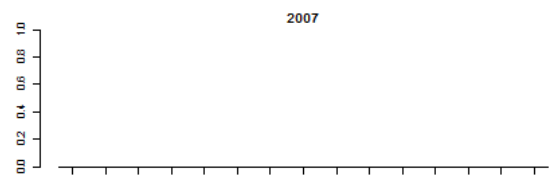
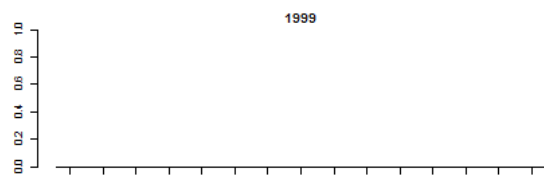
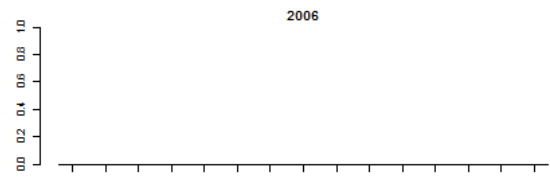
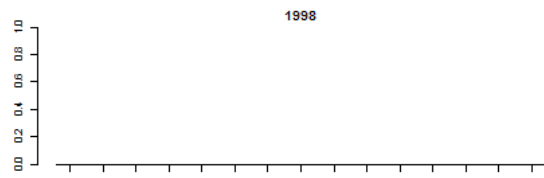
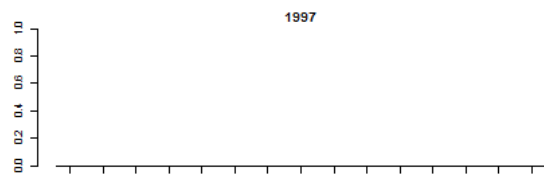
Rijn (bemonstering vanaf 1997)



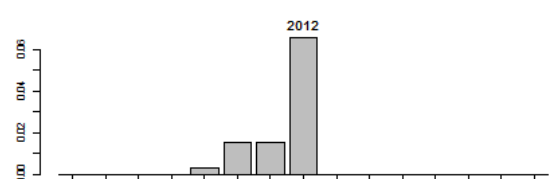
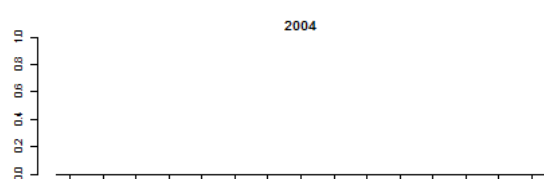
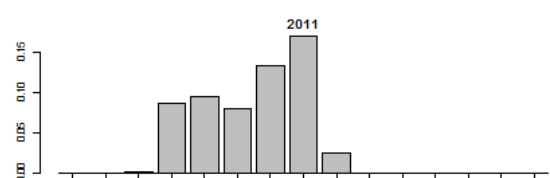
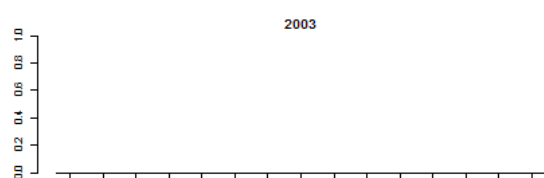
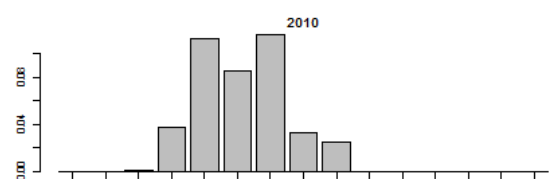
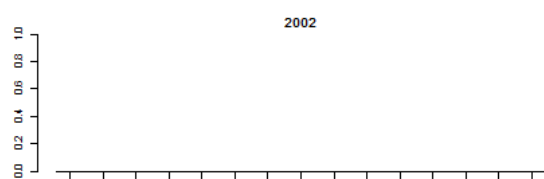
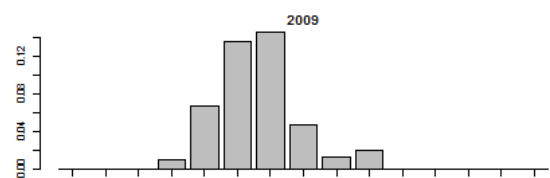
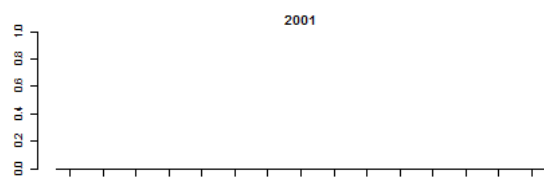
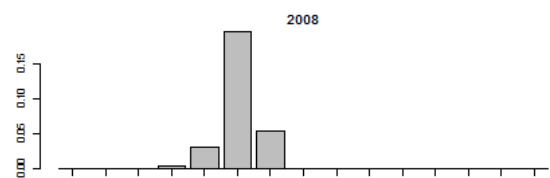
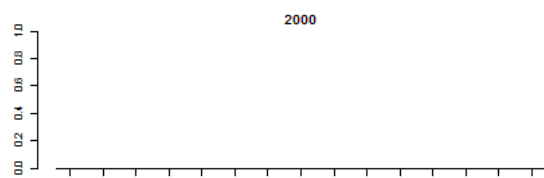
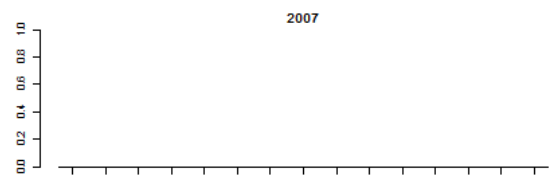
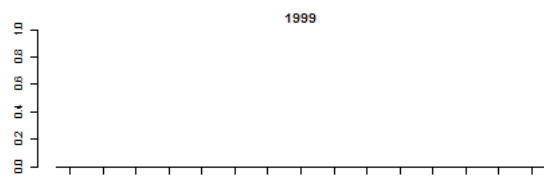
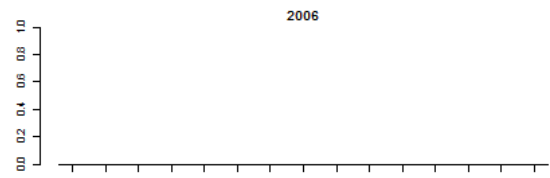
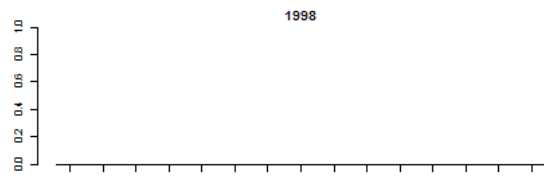
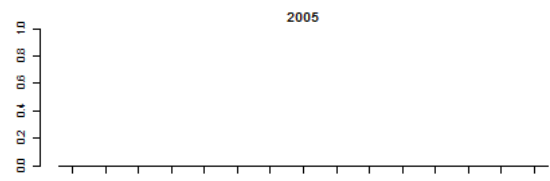
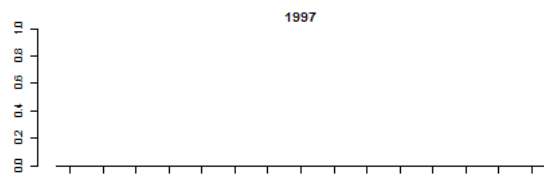
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

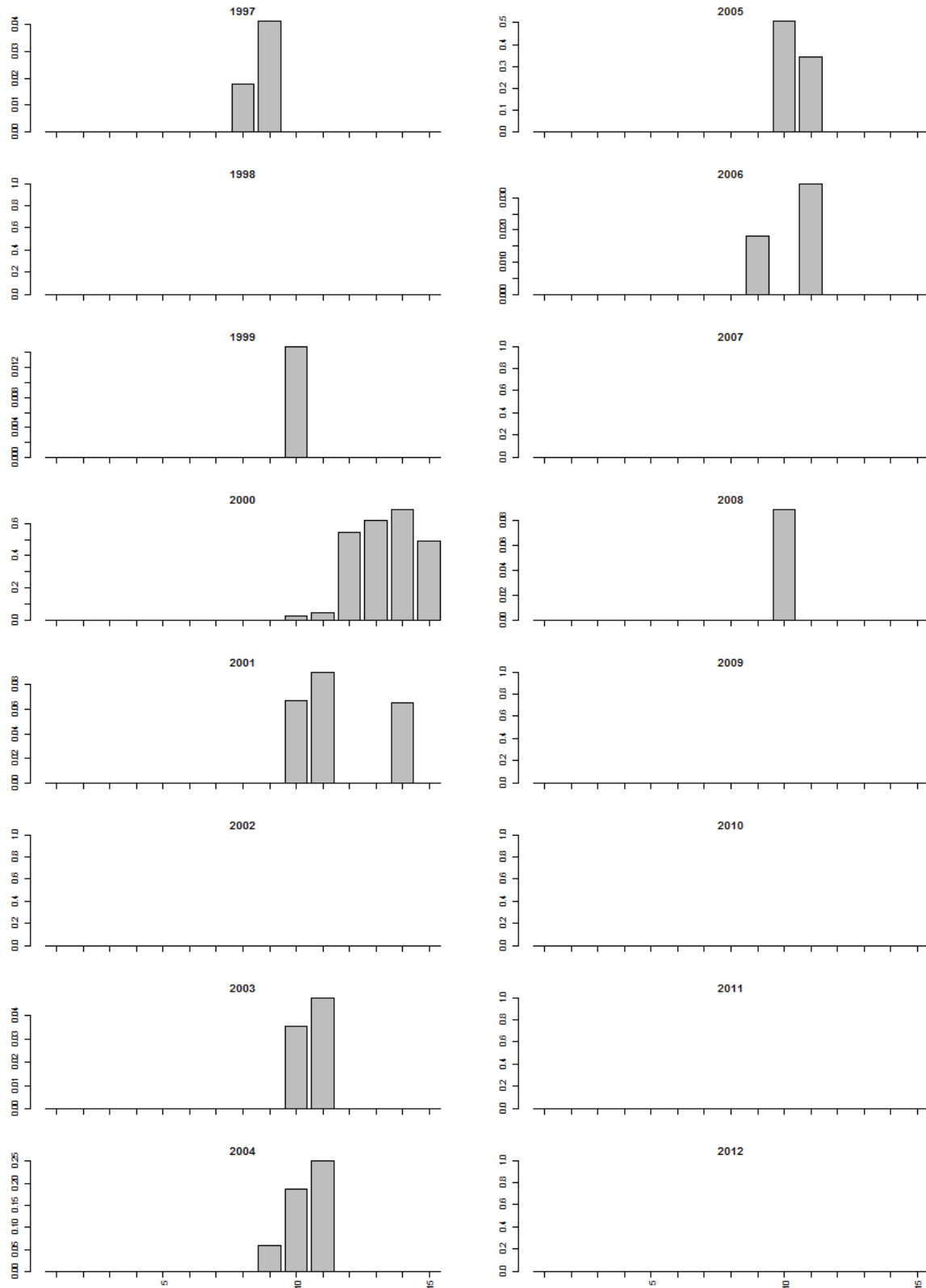


Zandmaas (bemonstering vanaf 2008)

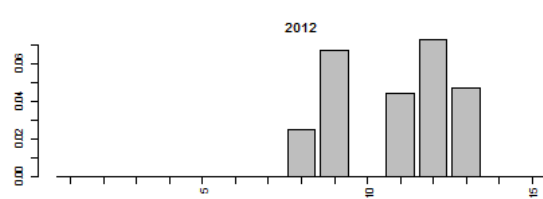
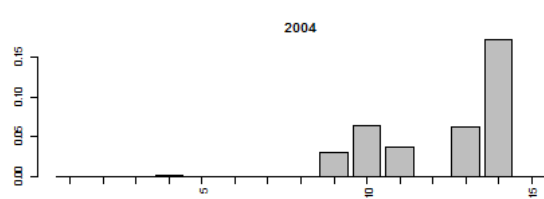
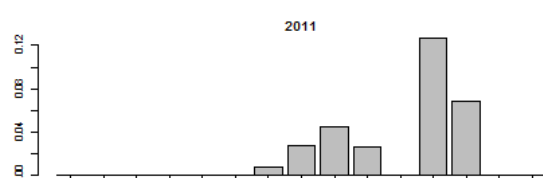
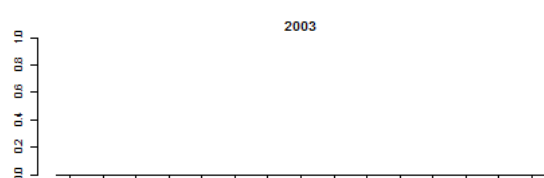
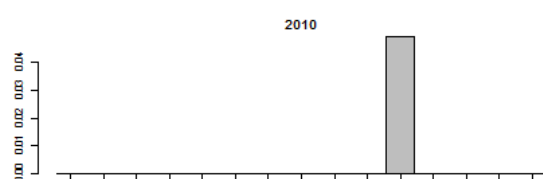
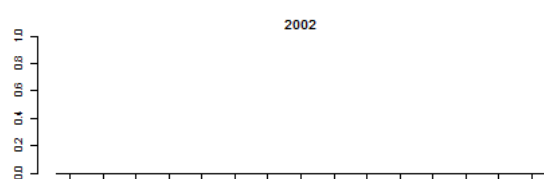
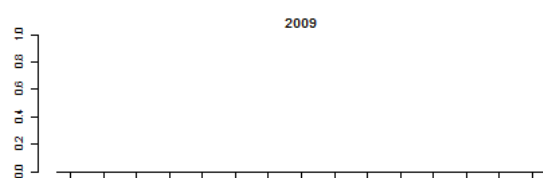
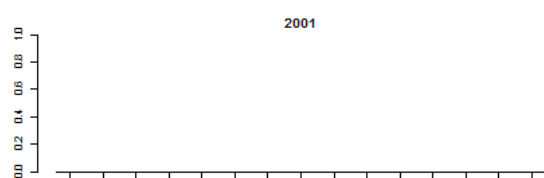
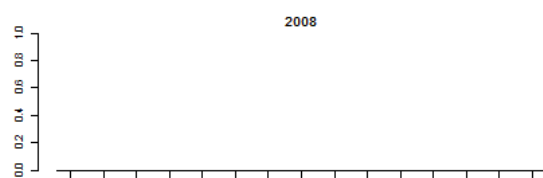
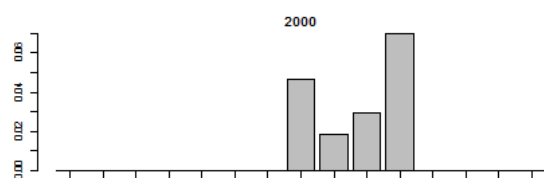
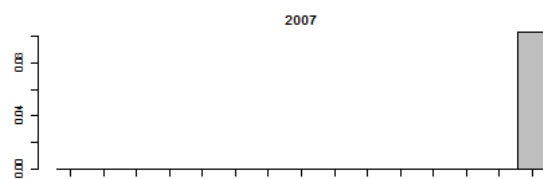
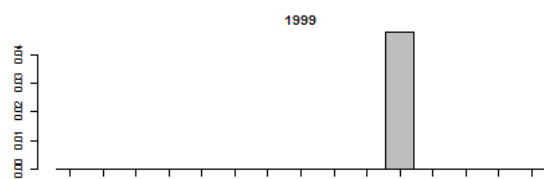
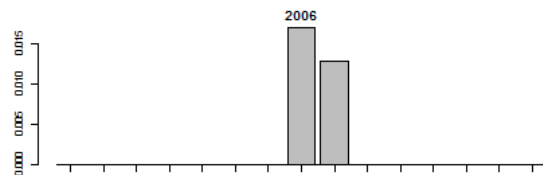
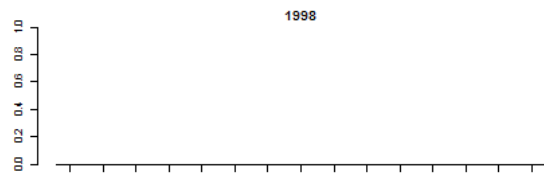
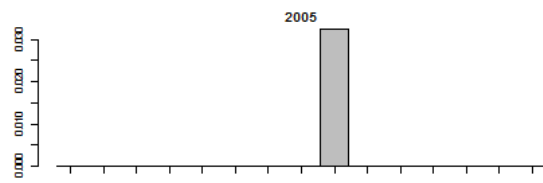
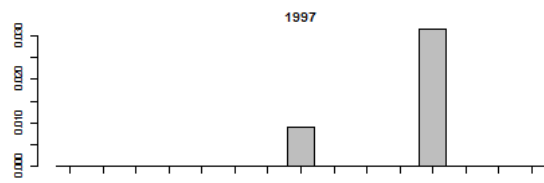


Figuur VII.14 Roofblei lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

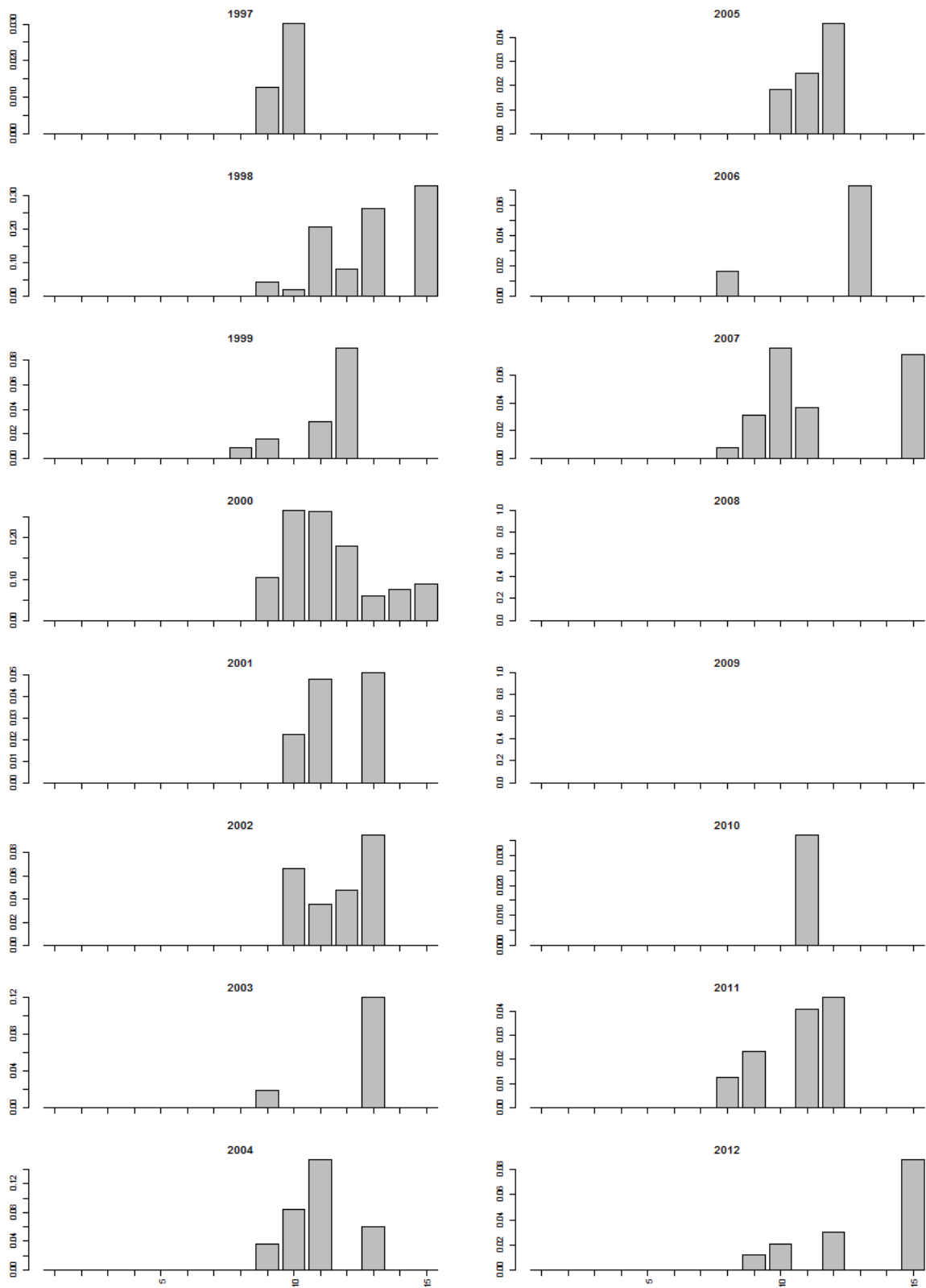
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



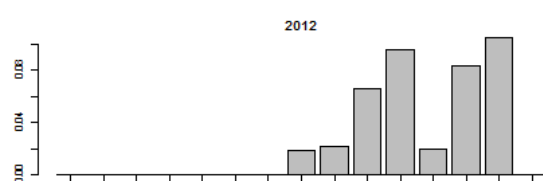
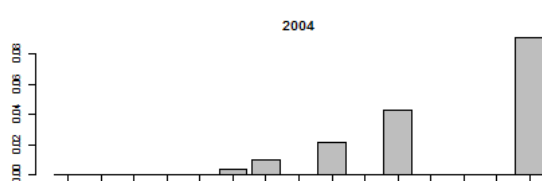
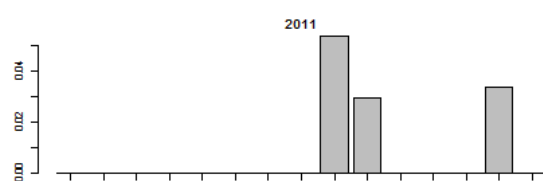
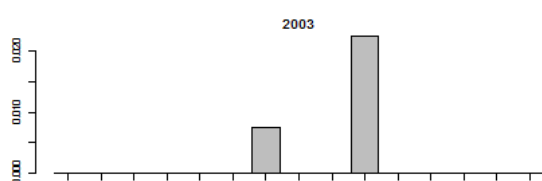
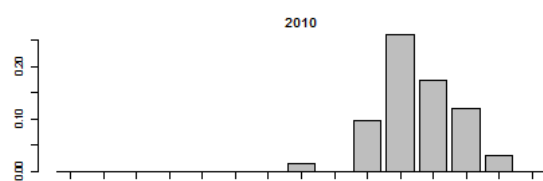
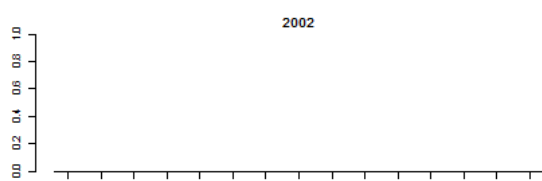
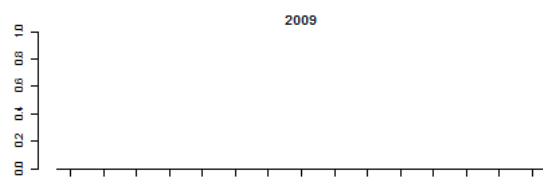
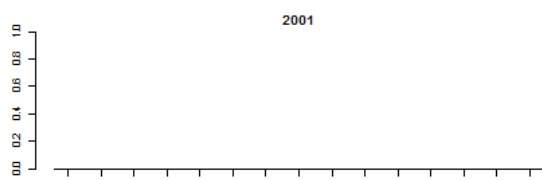
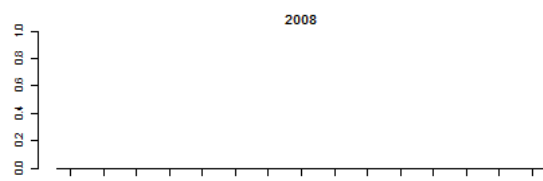
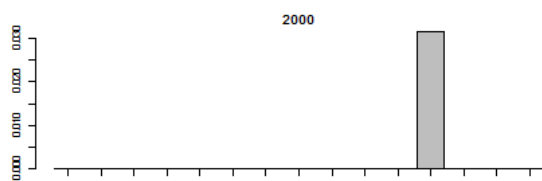
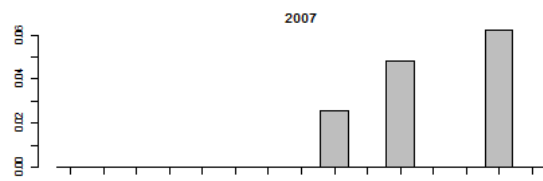
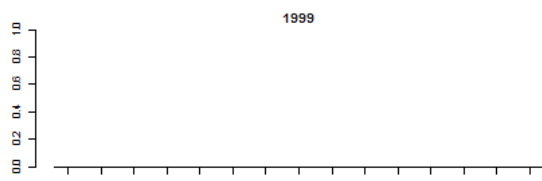
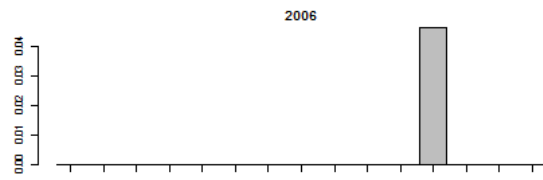
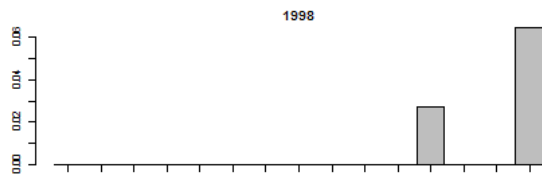
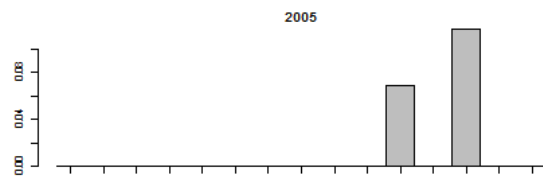
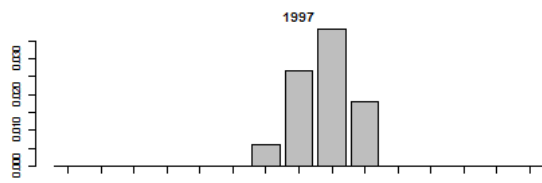
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



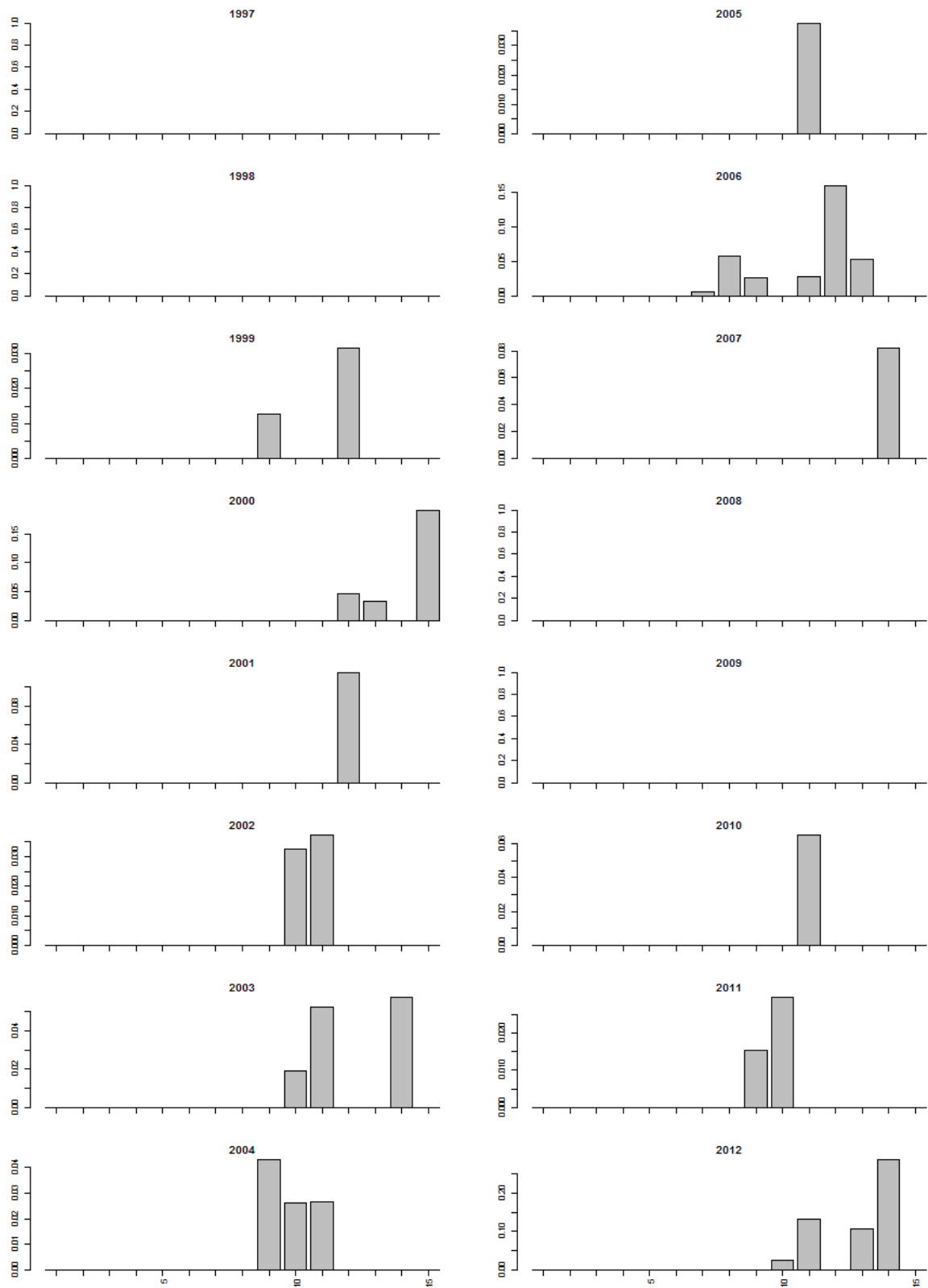
Bovenloop Nederrijn (bemonstering vanaf 1997)



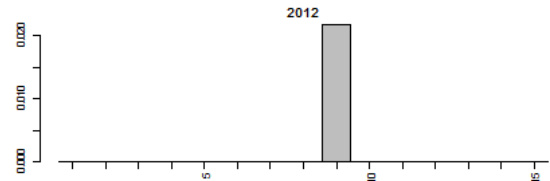
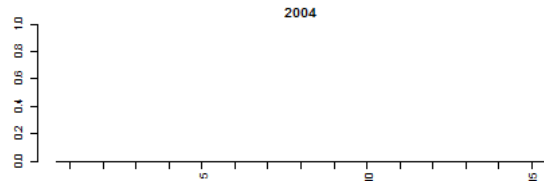
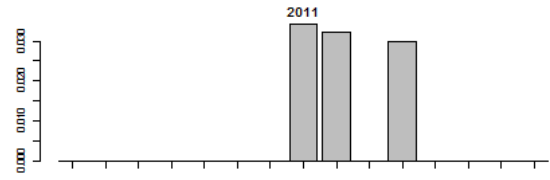
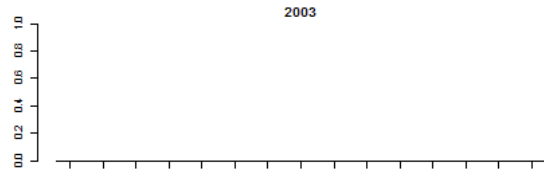
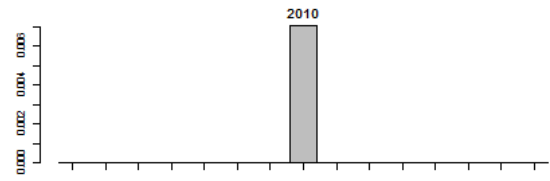
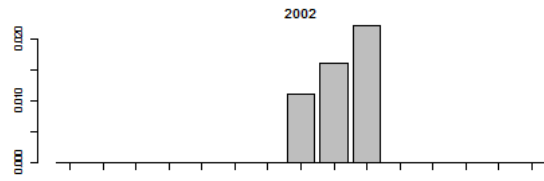
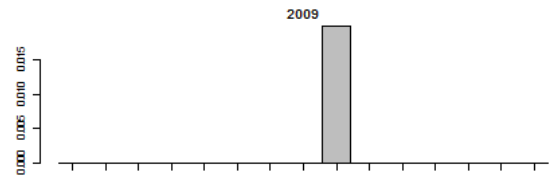
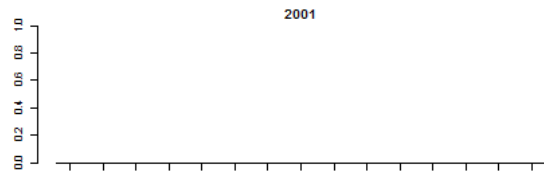
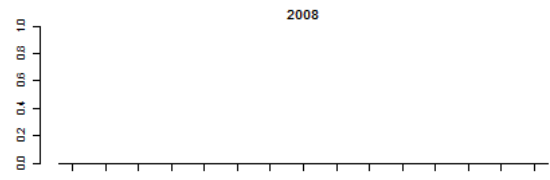
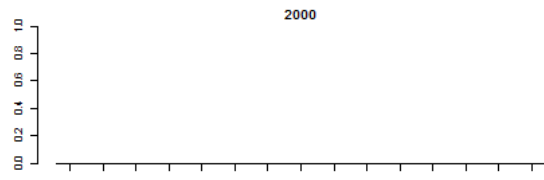
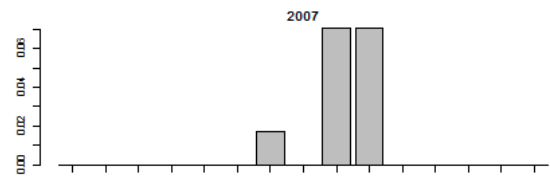
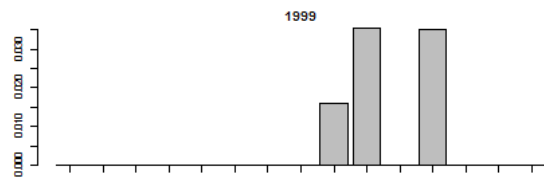
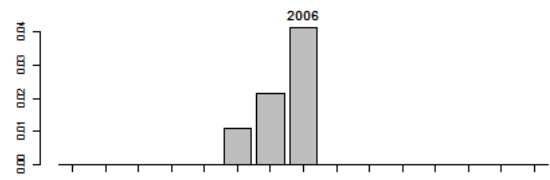
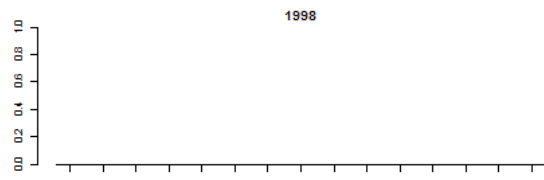
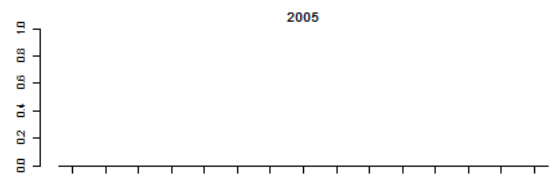
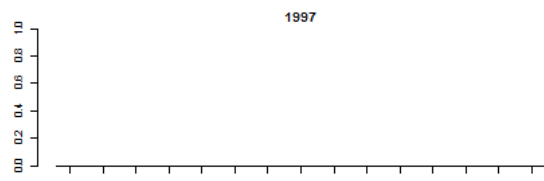
Bovenloop Waal (bemonstering vanaf 1997)



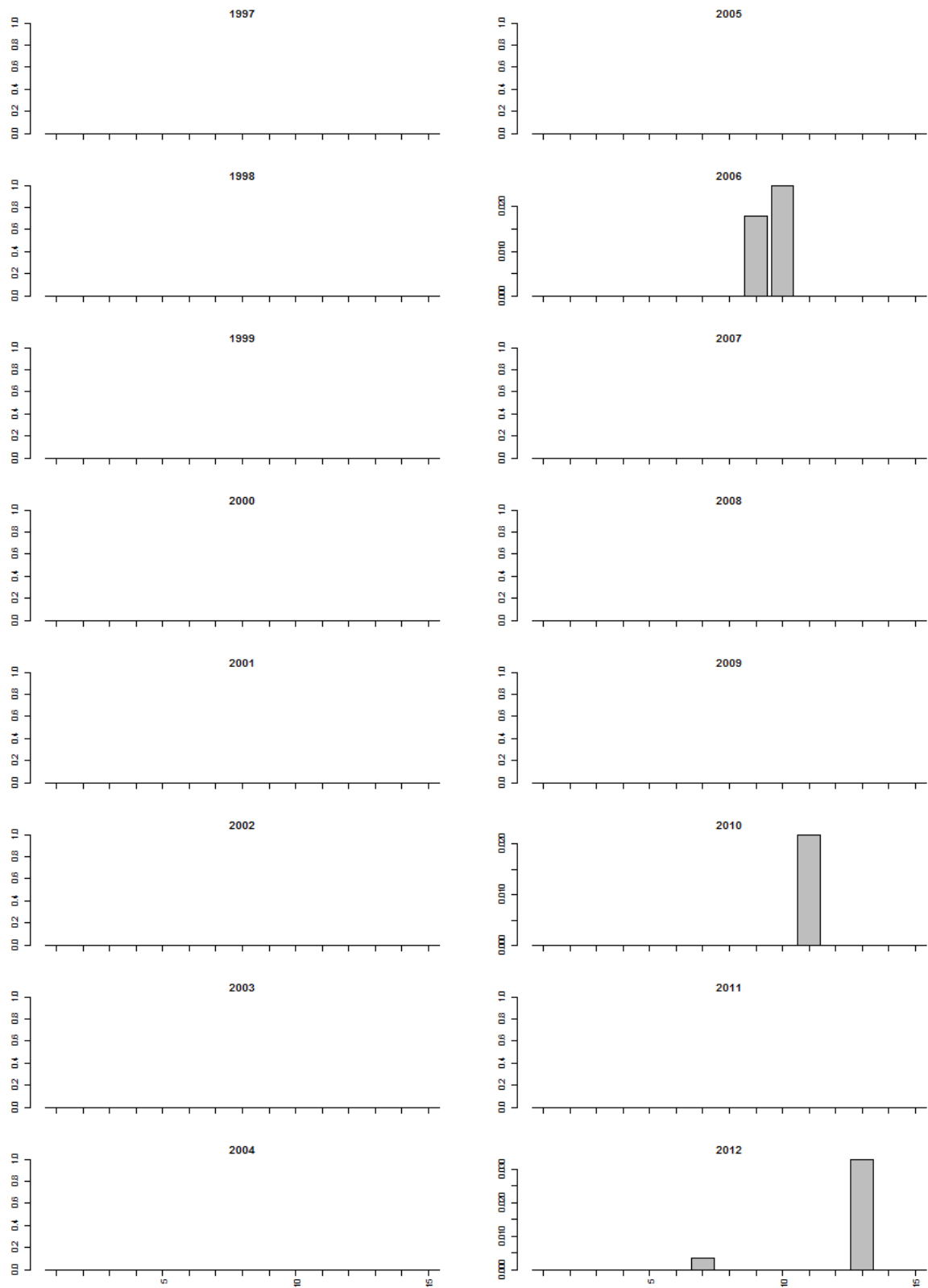
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

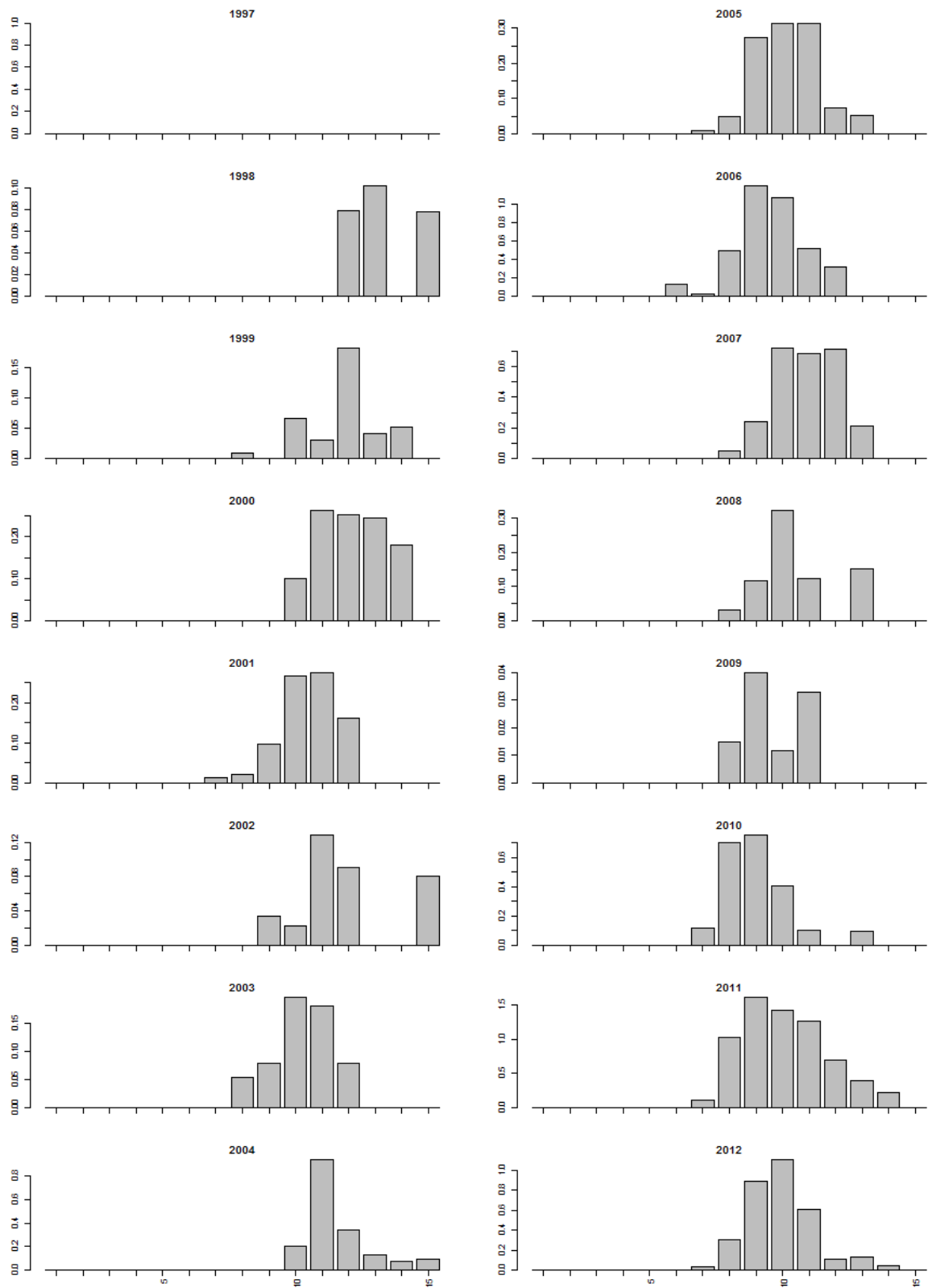


Grensmaas (bemonstering vanaf 1997)

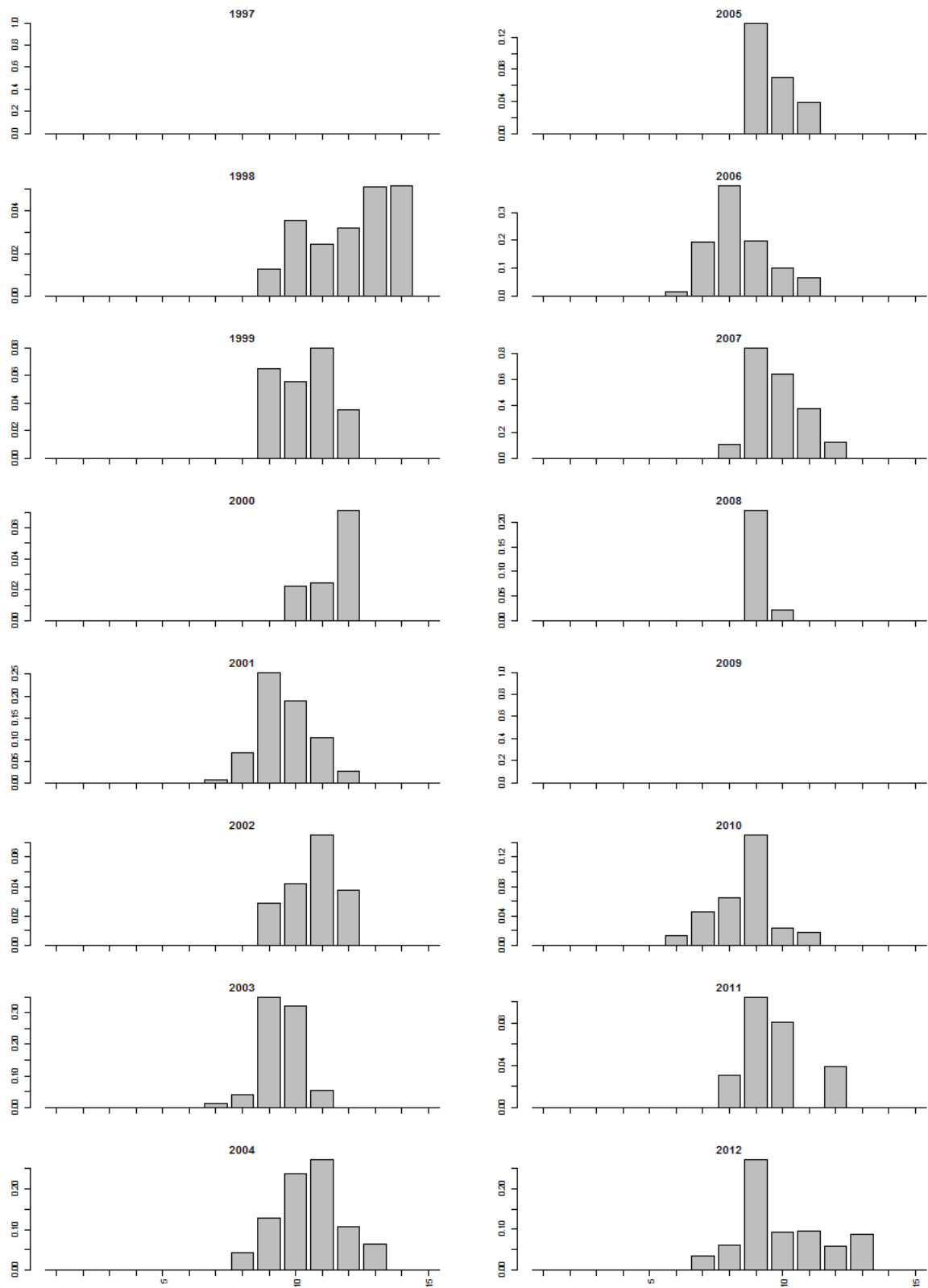


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen roofblei gevangen.

Hollands diep (bemonstering vanaf 1997)

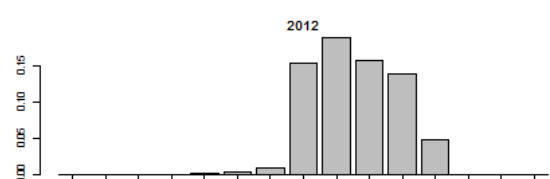
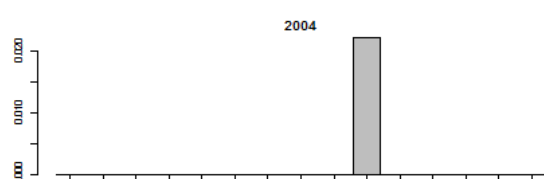
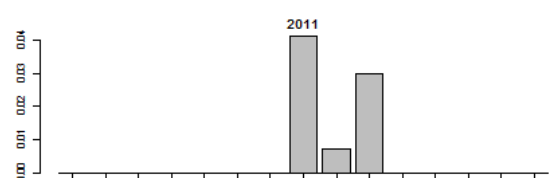
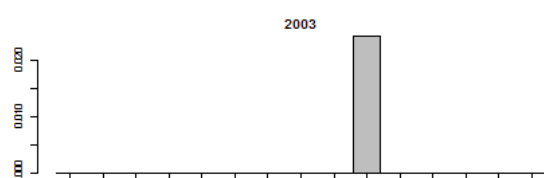
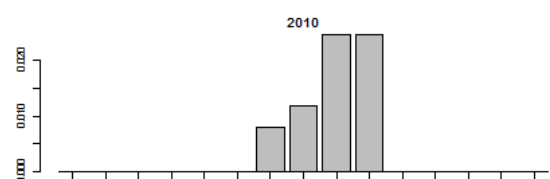
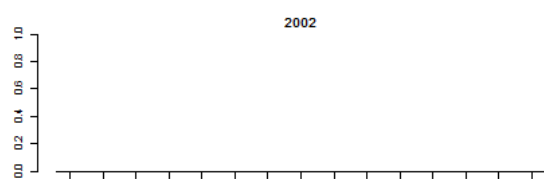
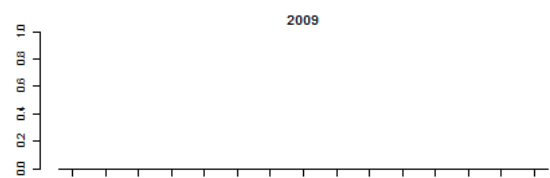
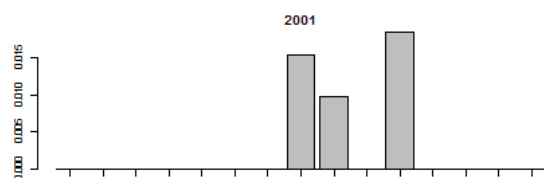
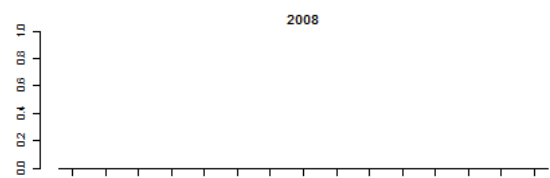
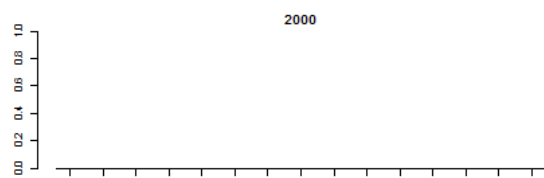
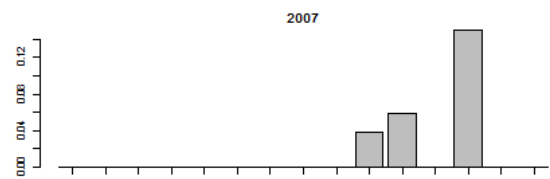
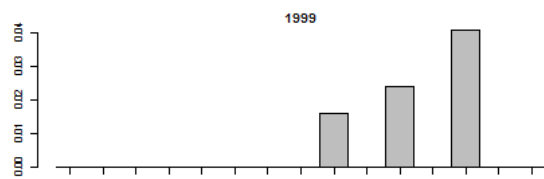
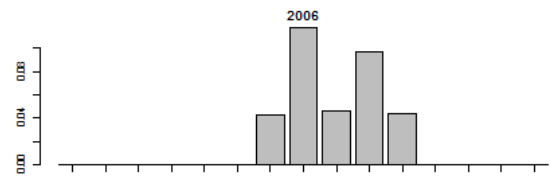
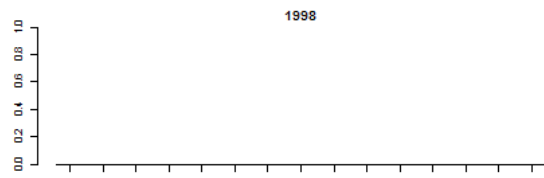
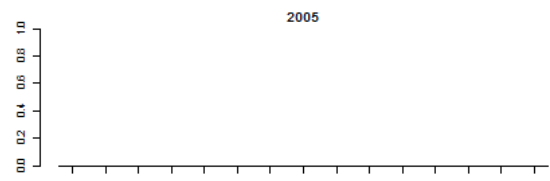
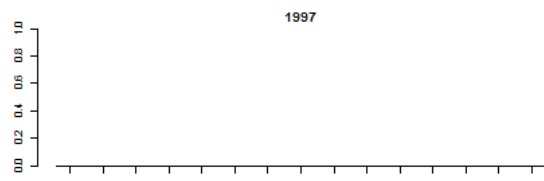


Nieuwe Merwede (bemonstering vanaf 1997)

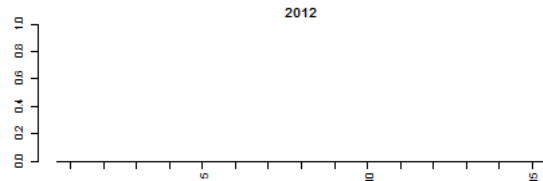
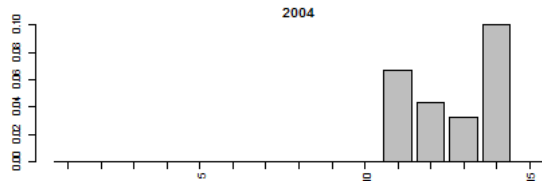
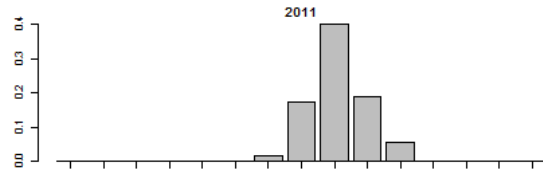
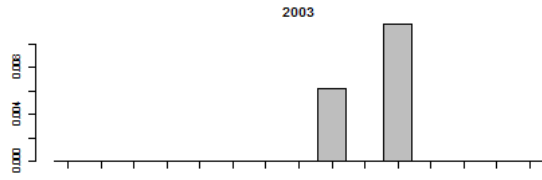
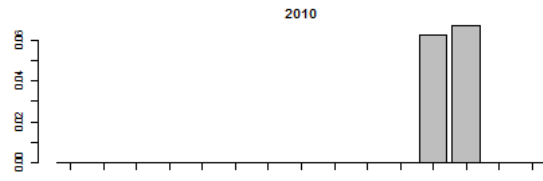
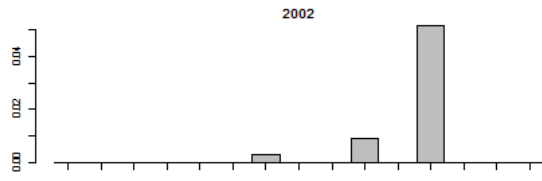
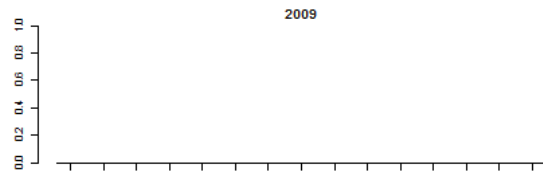
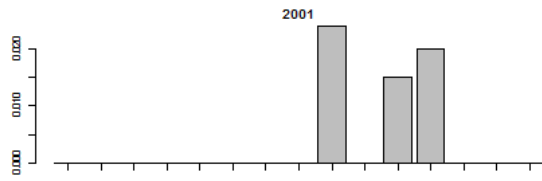
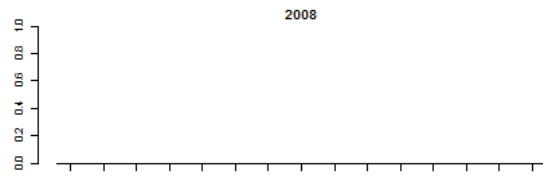
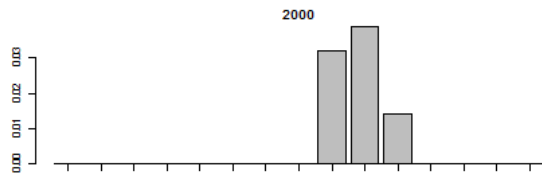
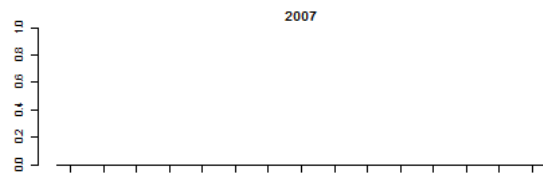
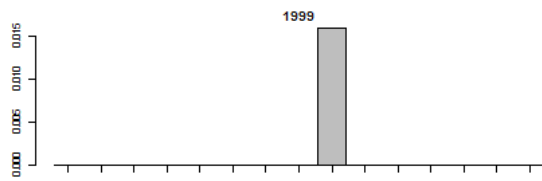
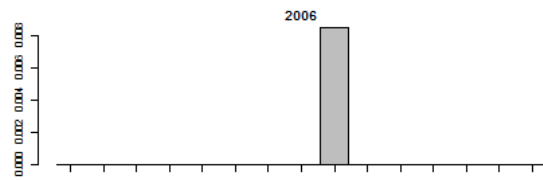
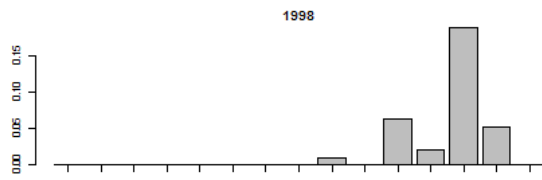
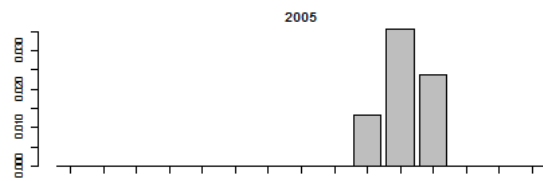
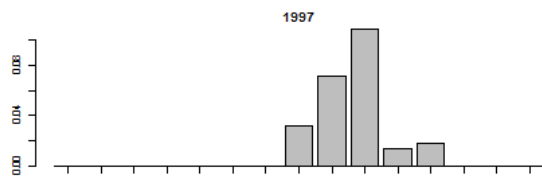


Noordzeekanaal (alleen bemonsterd in 2009 en 2012). Geen rooftere gevangen.

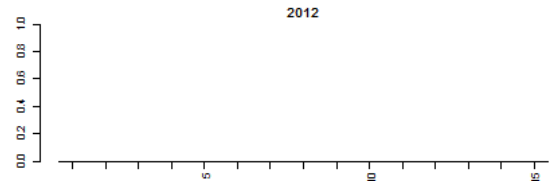
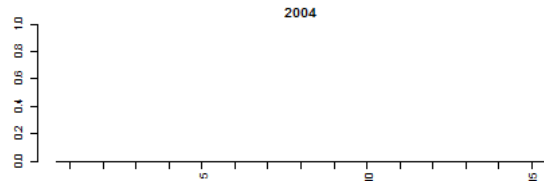
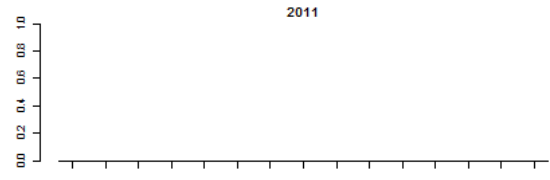
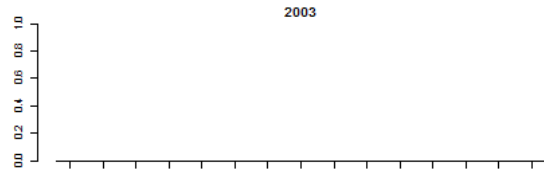
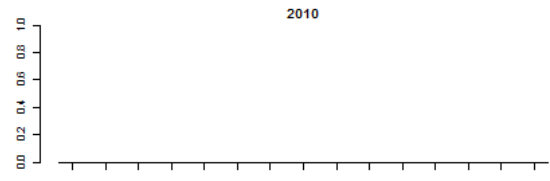
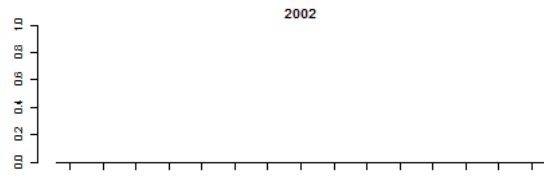
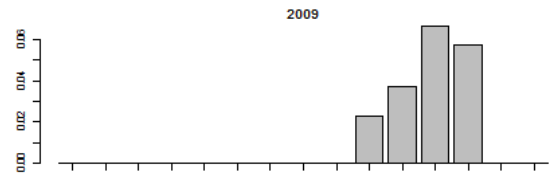
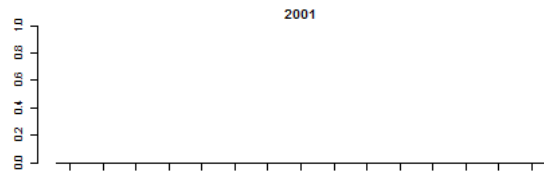
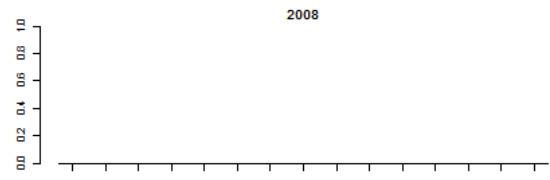
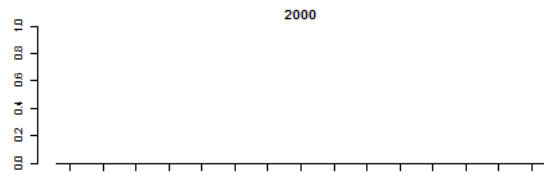
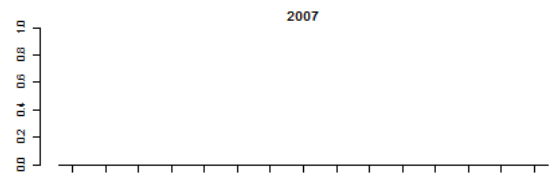
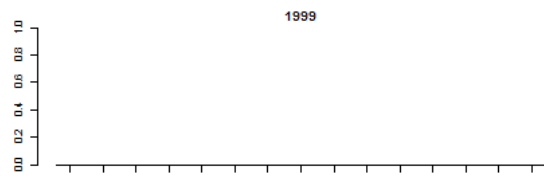
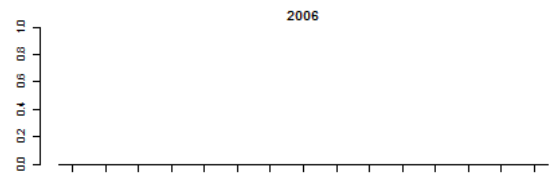
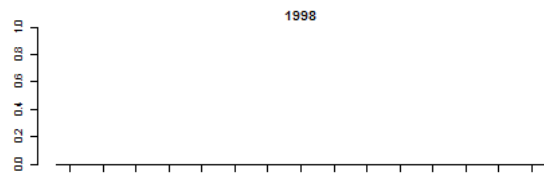
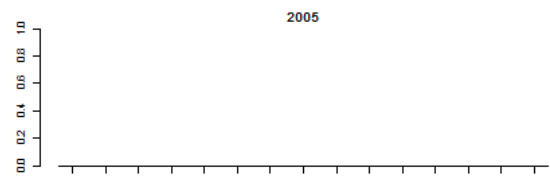
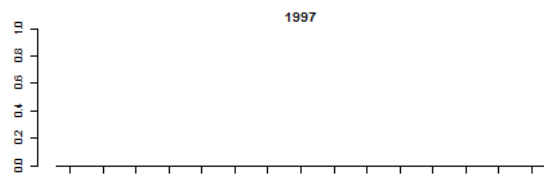
Oude Maas (bemonstering vanaf 1997)



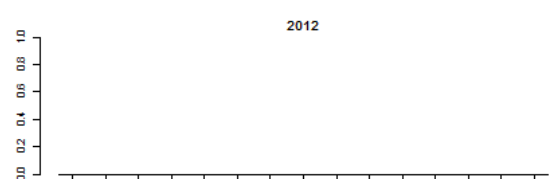
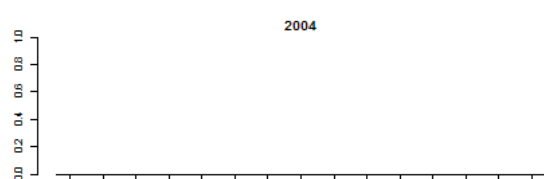
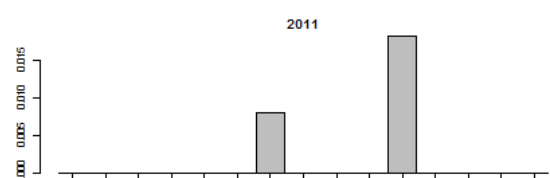
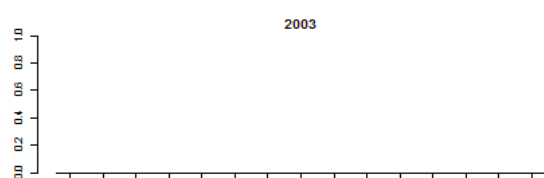
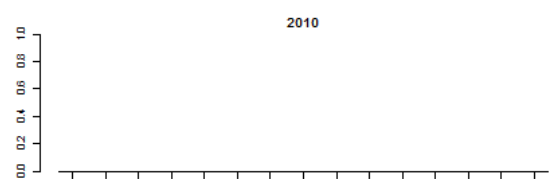
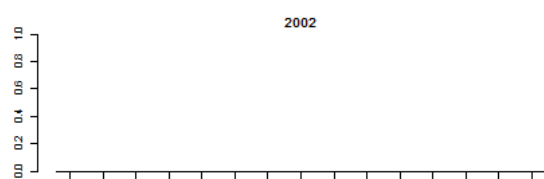
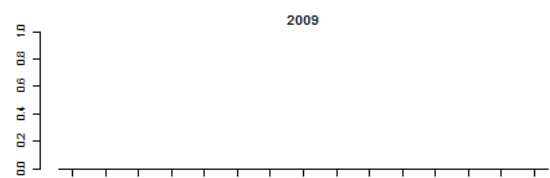
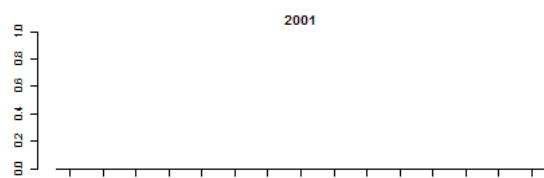
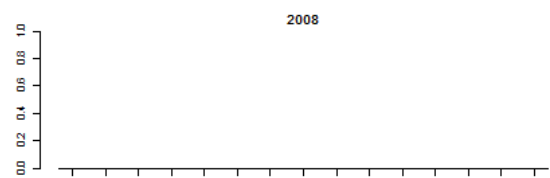
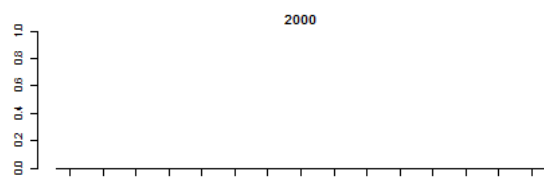
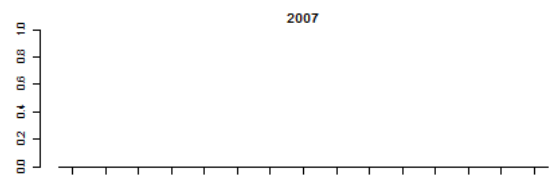
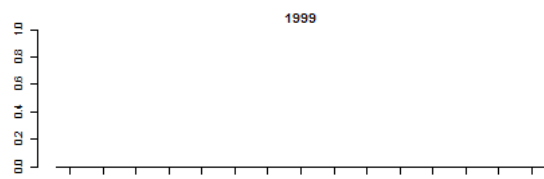
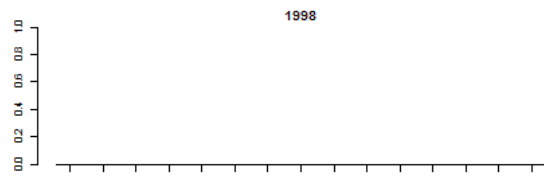
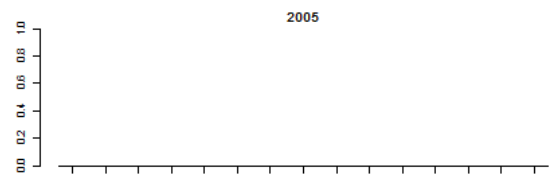
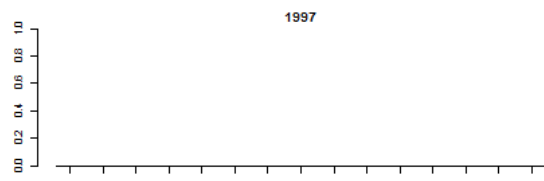
Rijn (bemonstering vanaf 1997)



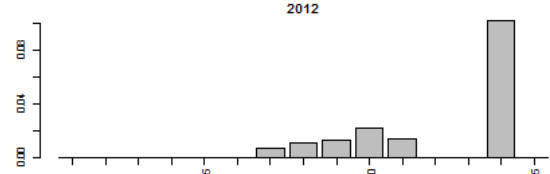
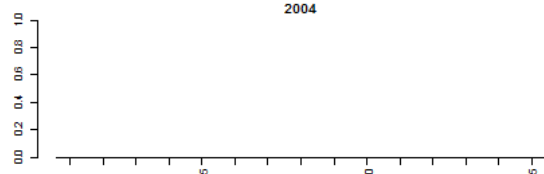
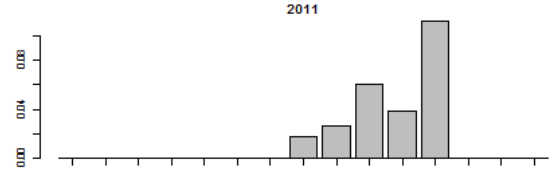
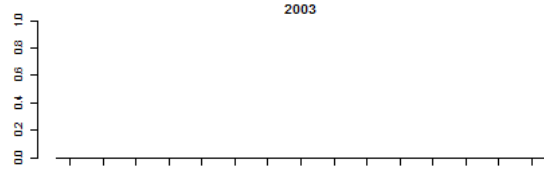
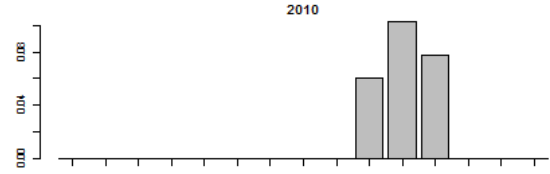
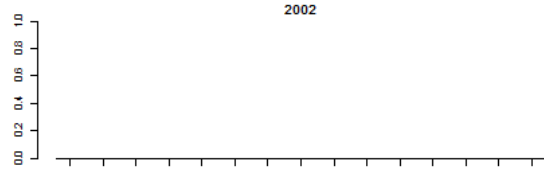
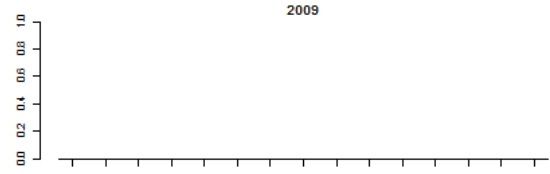
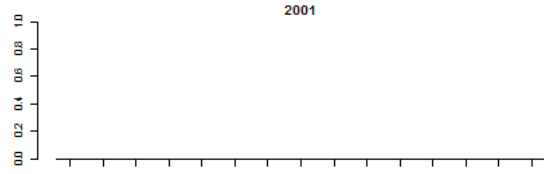
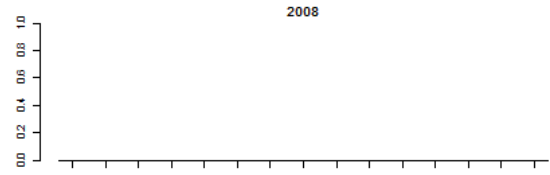
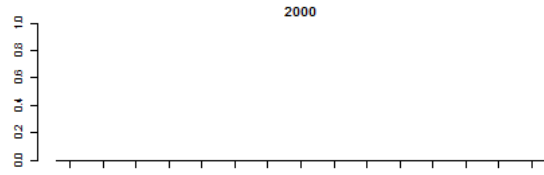
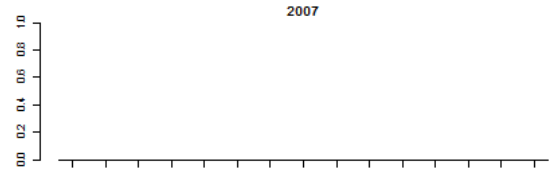
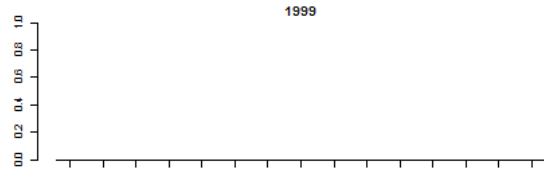
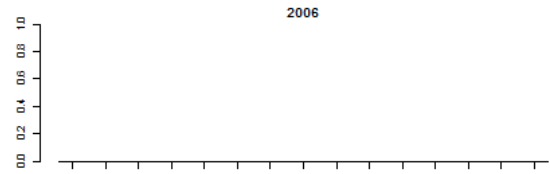
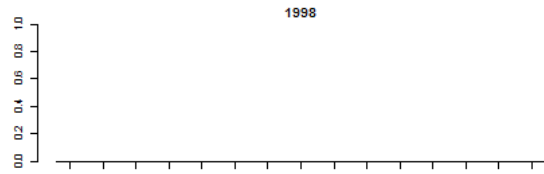
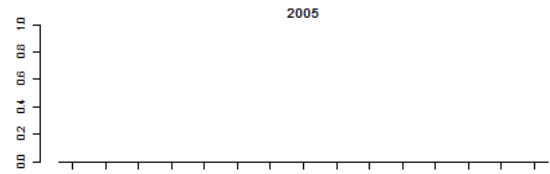
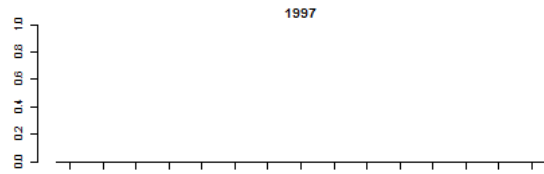
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

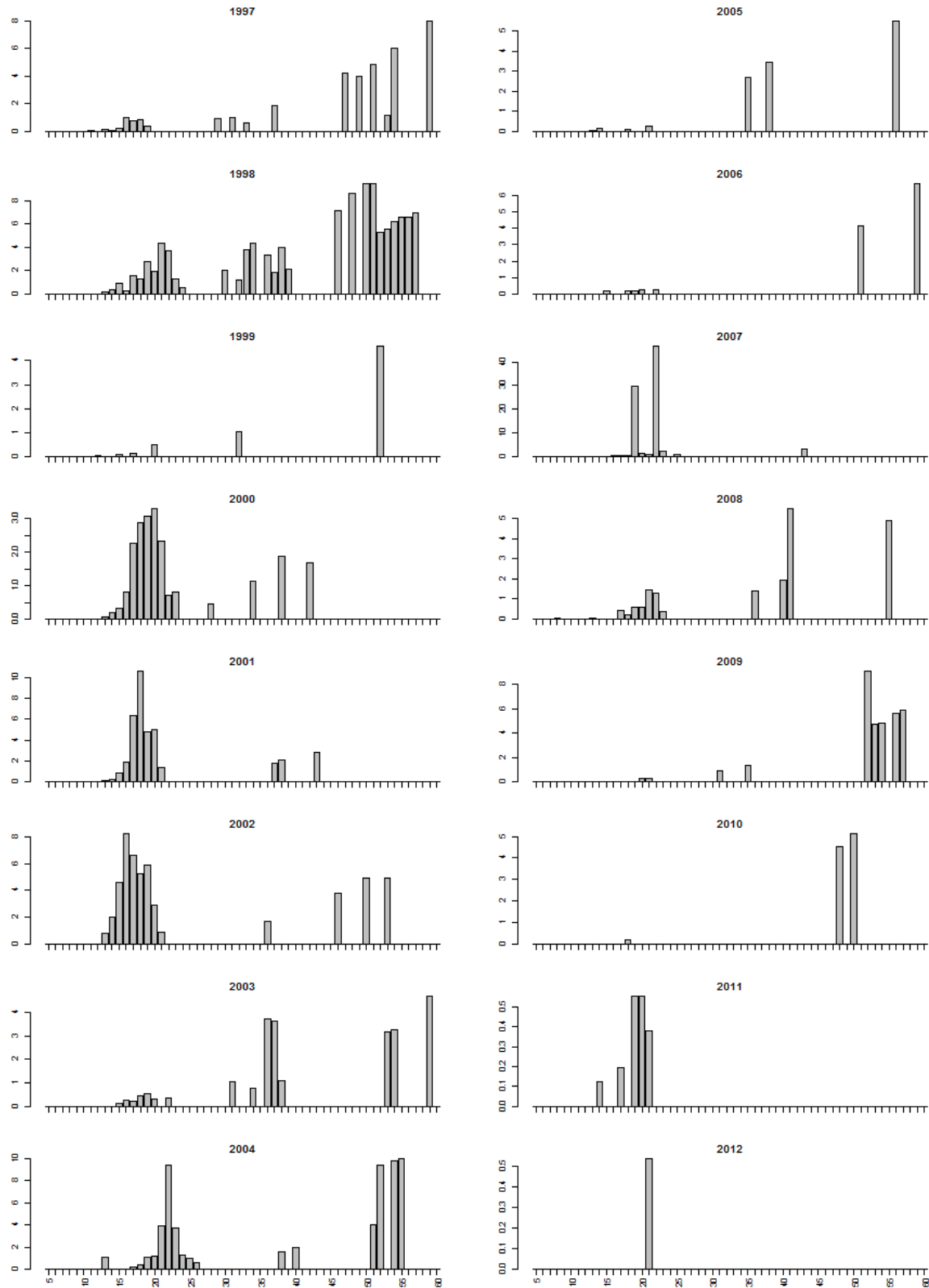


Zandmaas (bemonstering vanaf 2008)

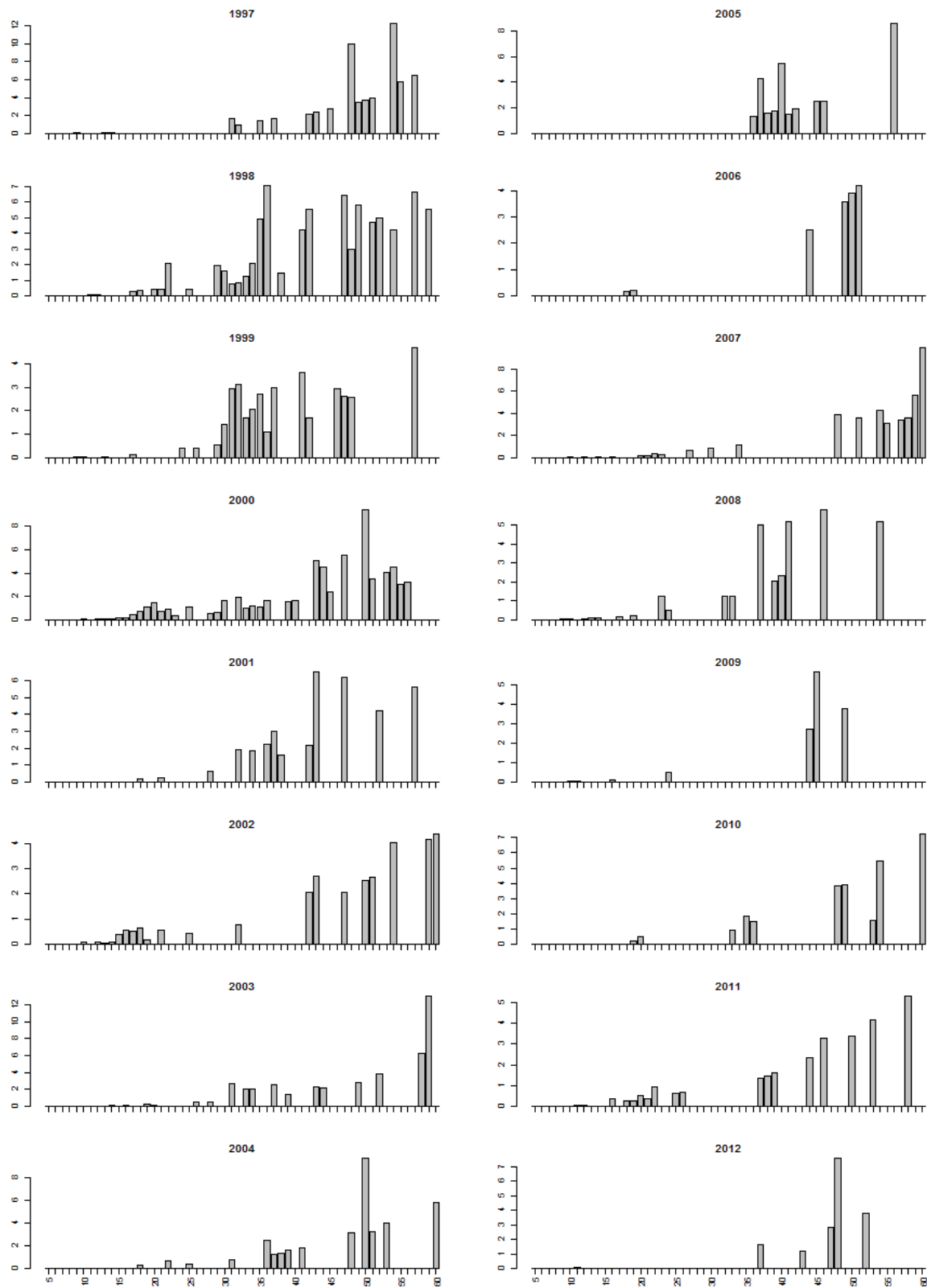


Figuur VII.15 Snoekbaars lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

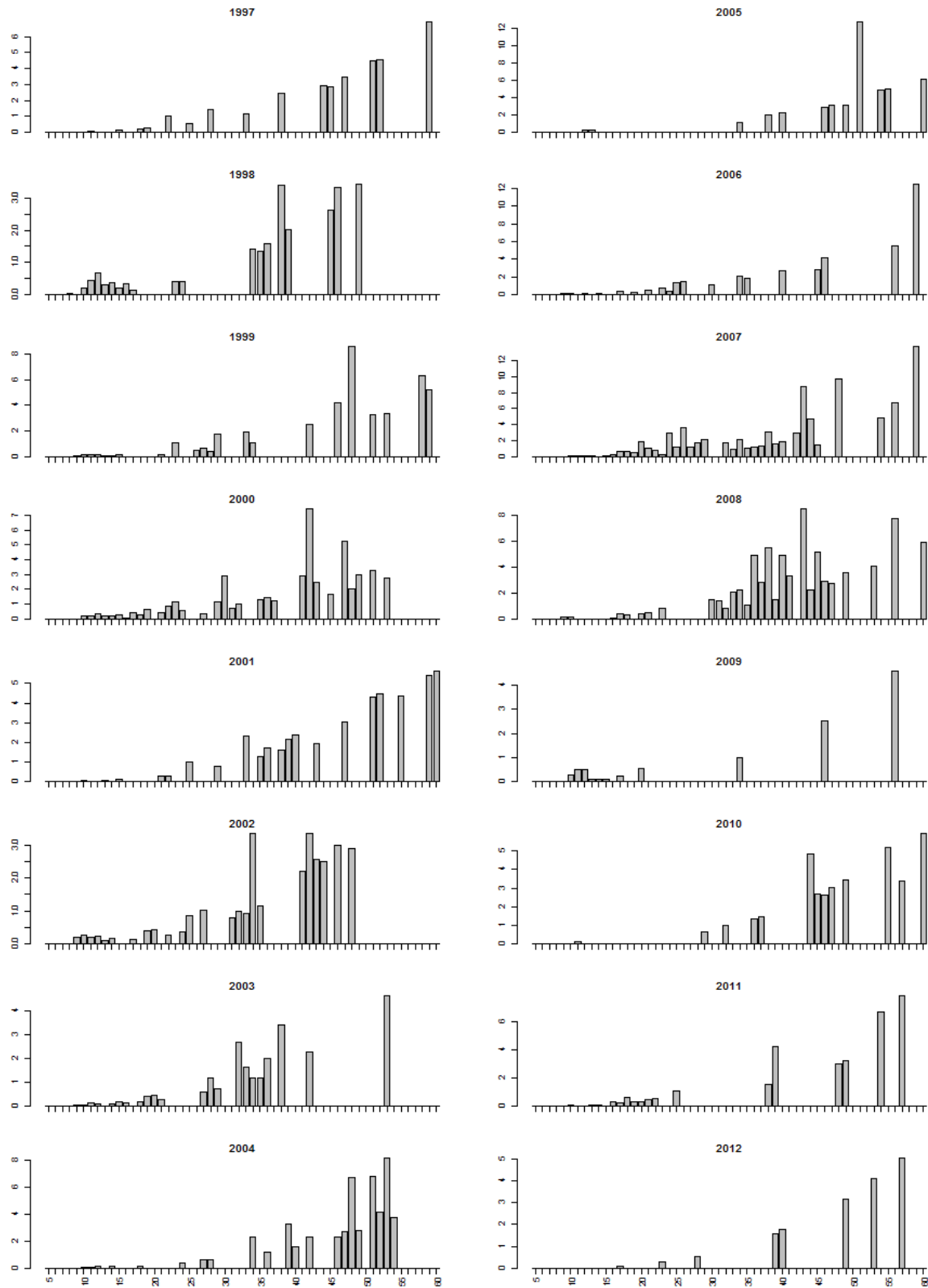
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



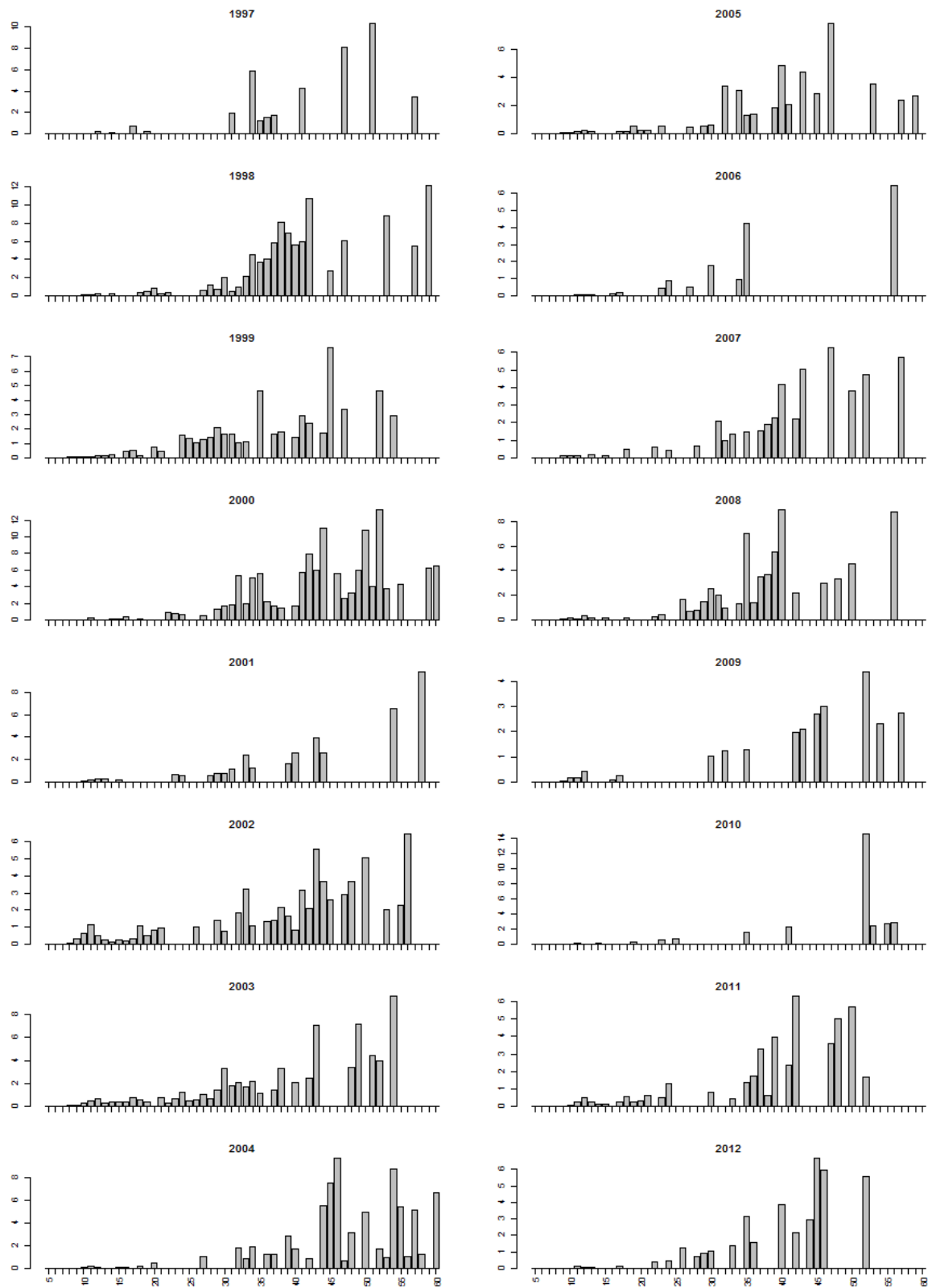
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



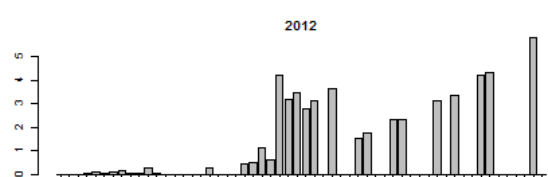
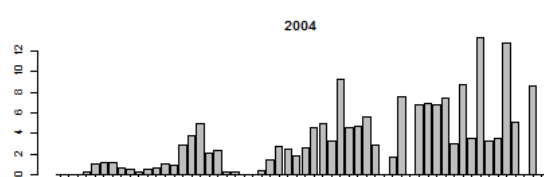
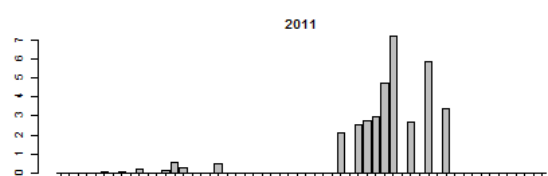
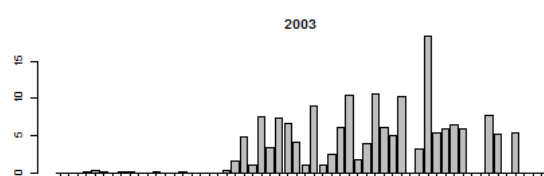
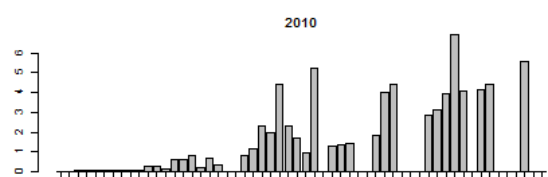
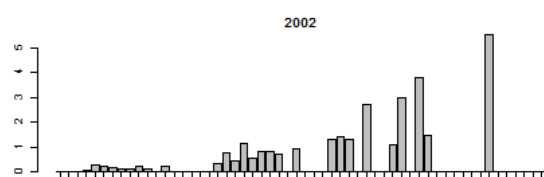
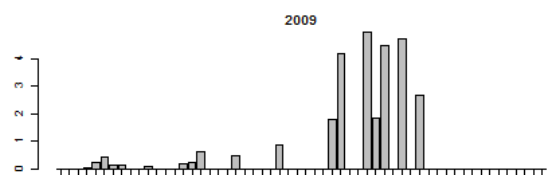
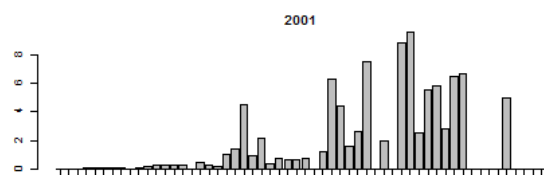
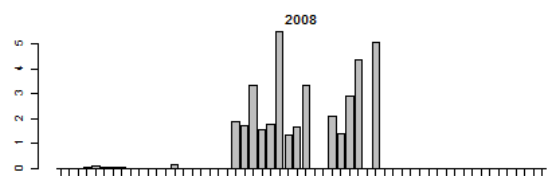
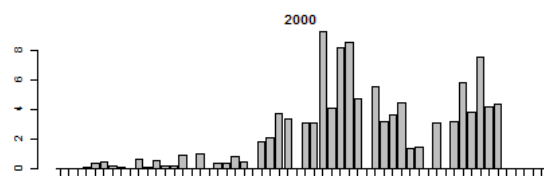
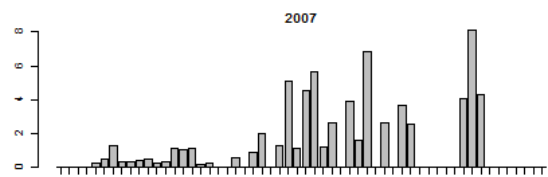
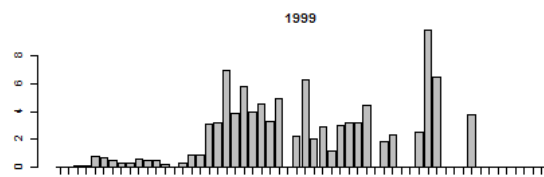
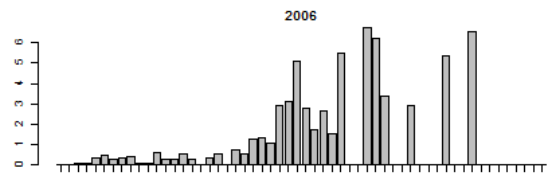
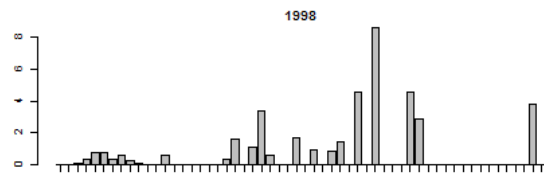
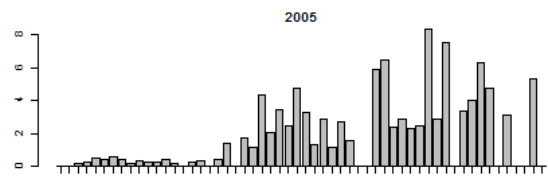
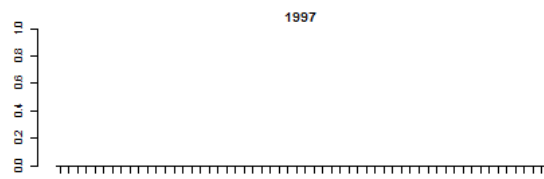
Bovenloop Nederrijn (bemonstering vanaf 1997)



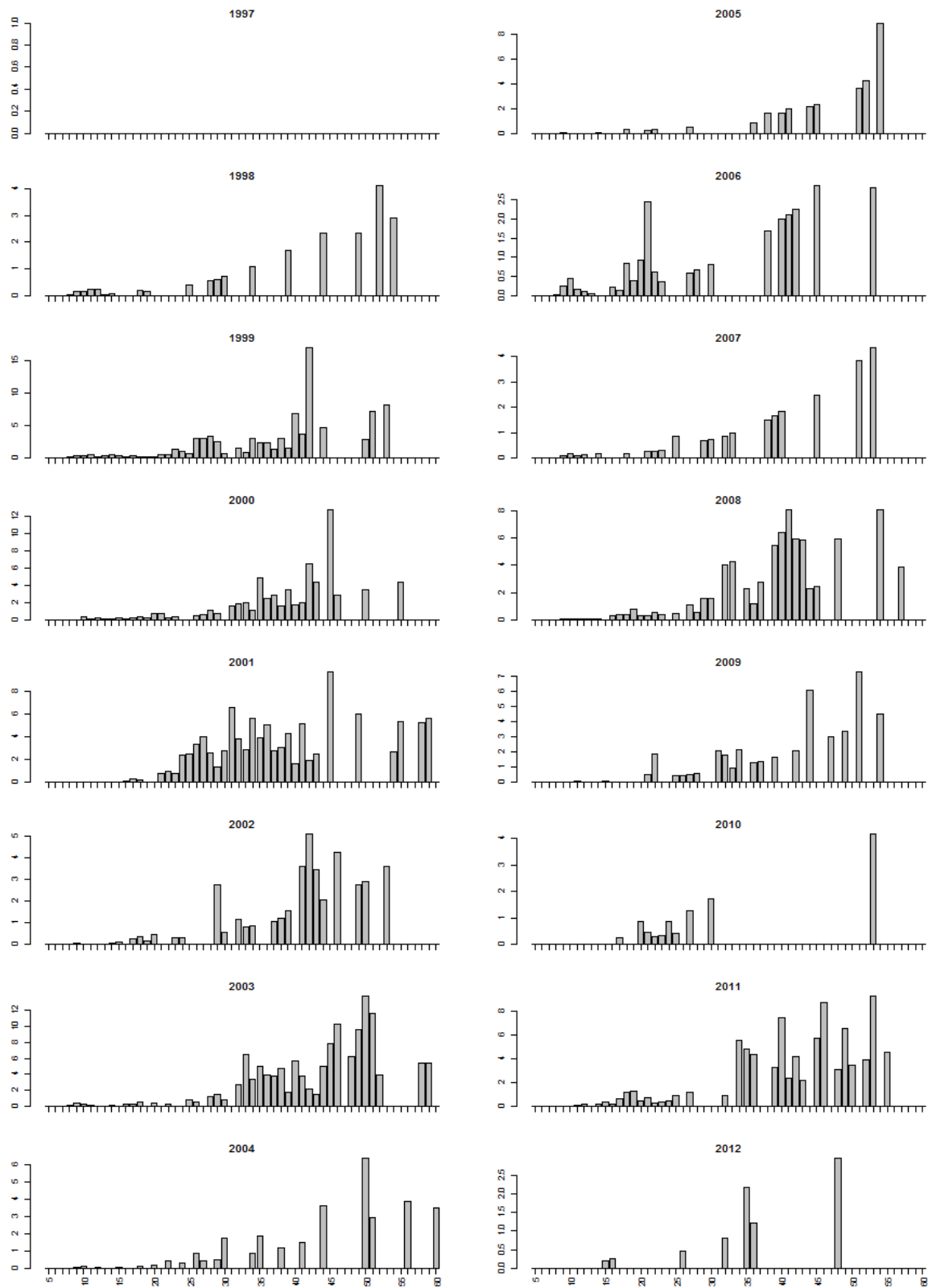
Bovenloop Waal (bemonstering vanaf 1997)



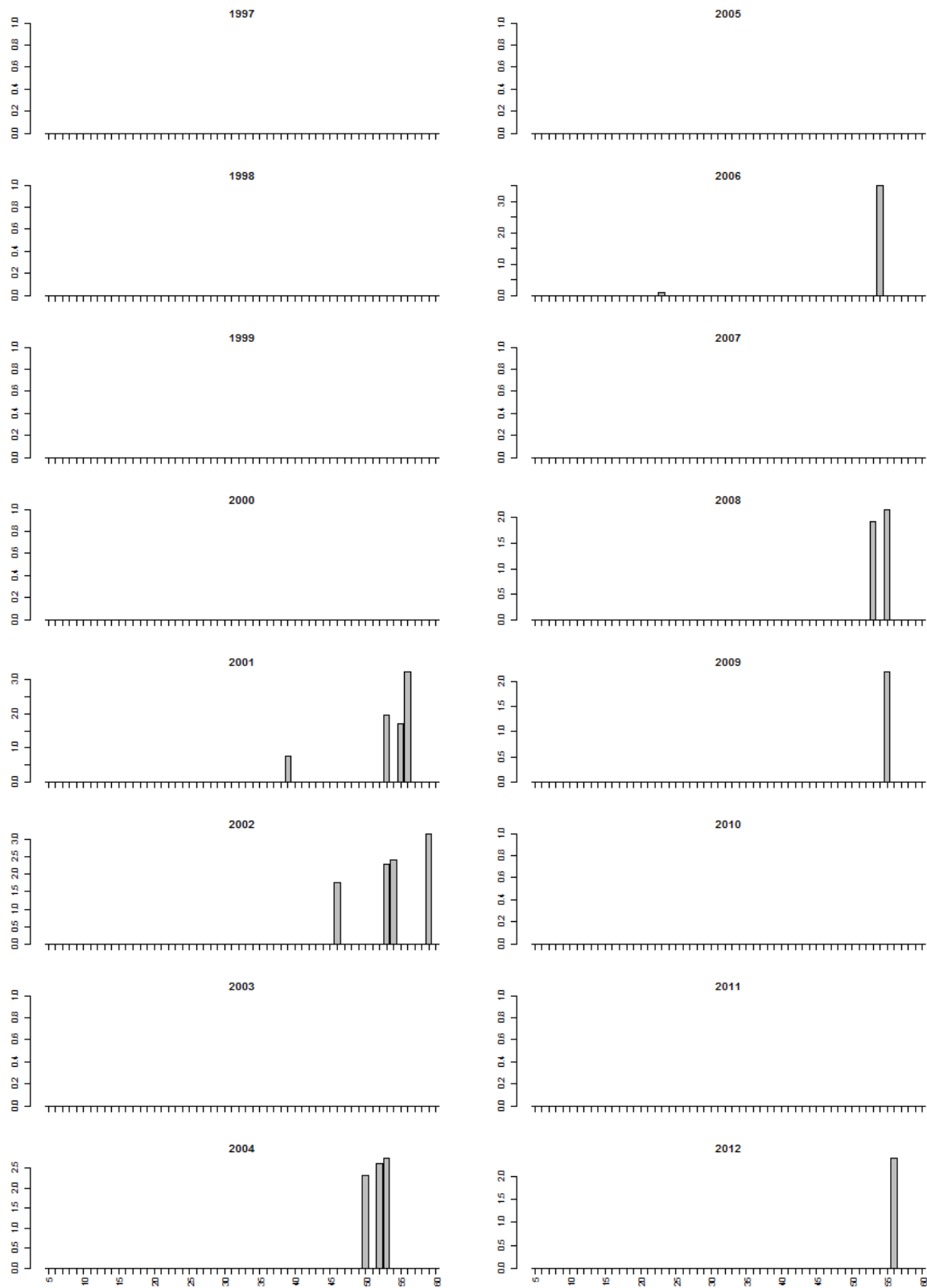
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

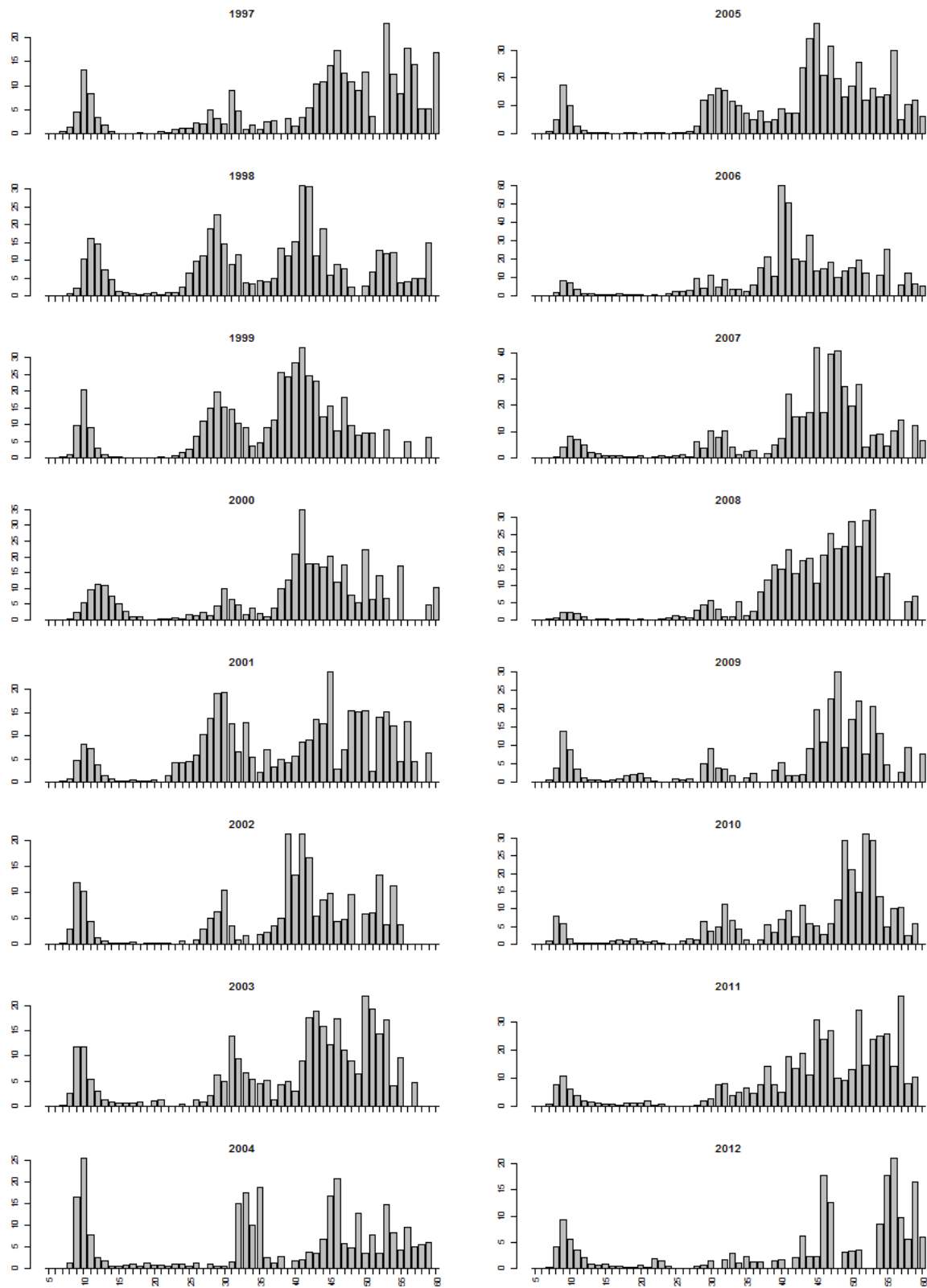


Grensmaas (bemonstering vanaf 1997)

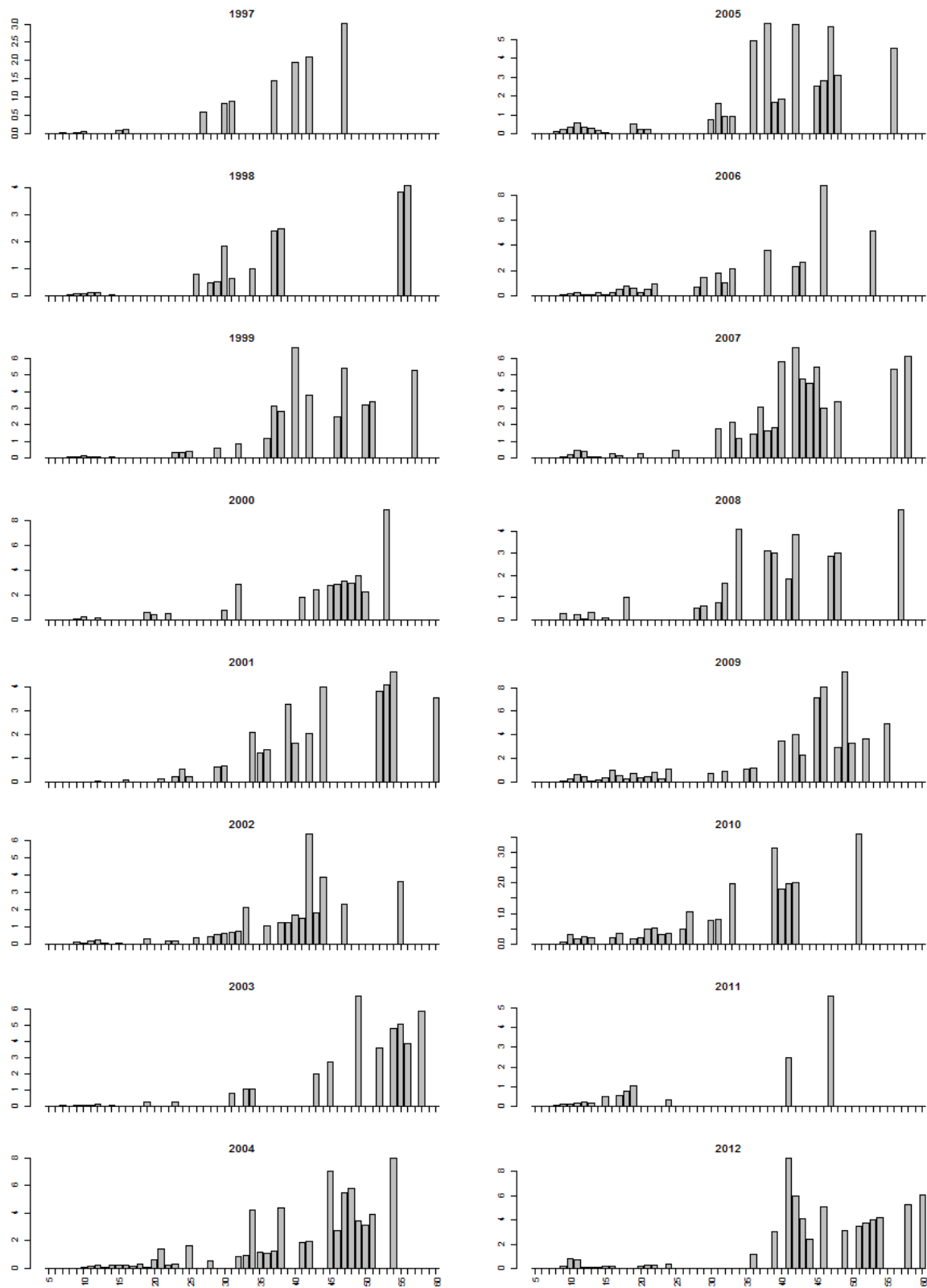


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen snoekbaars gevangen.

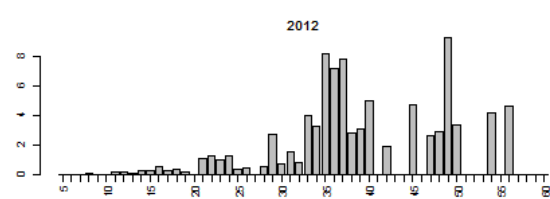
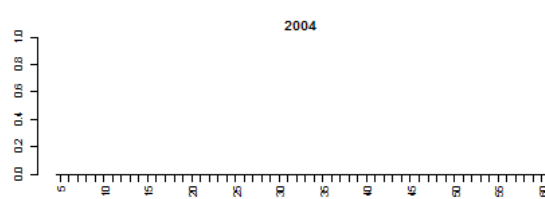
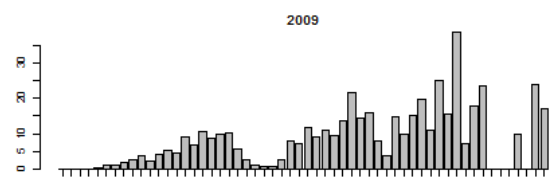
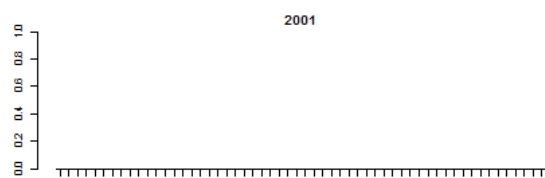
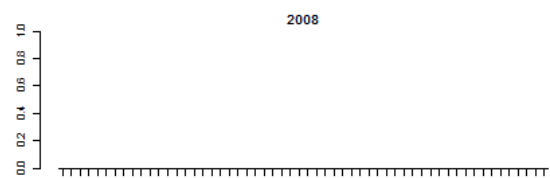
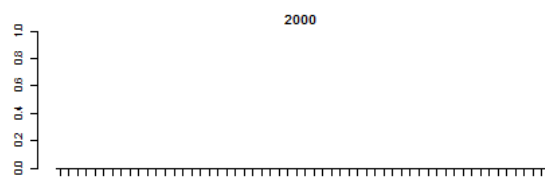
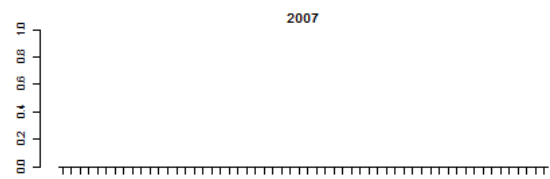
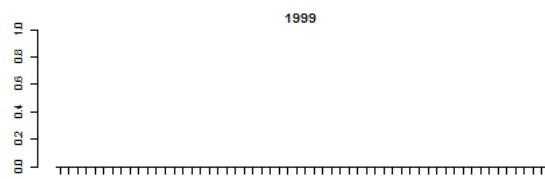
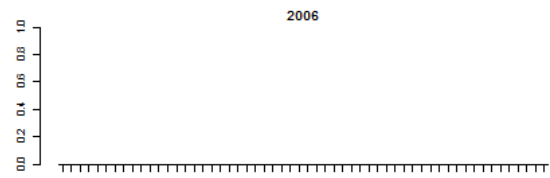
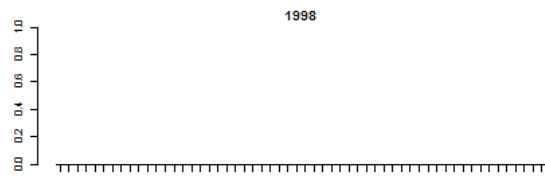
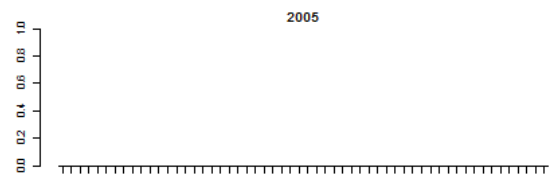
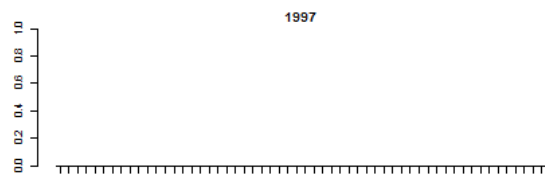
Hollands diep (bemonstering vanaf 1997)



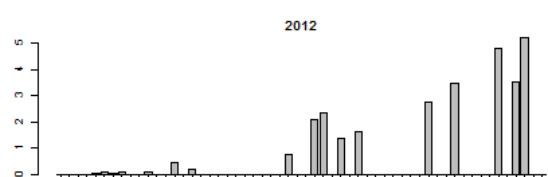
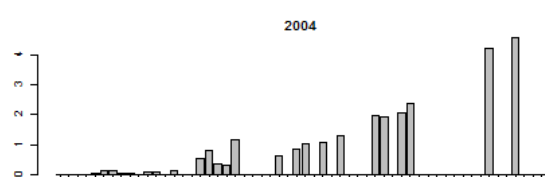
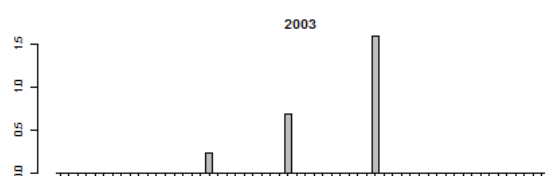
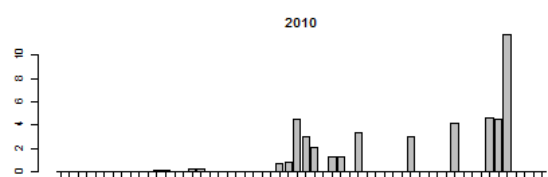
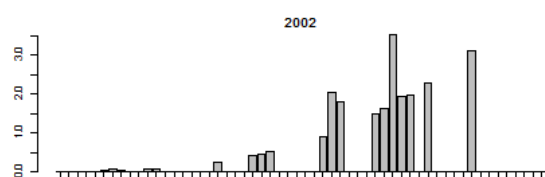
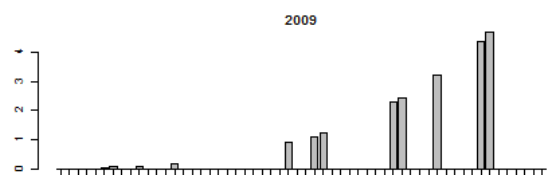
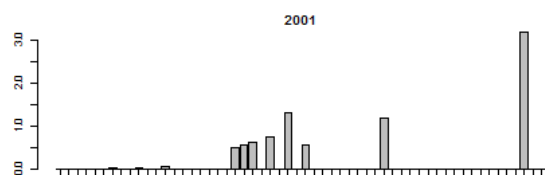
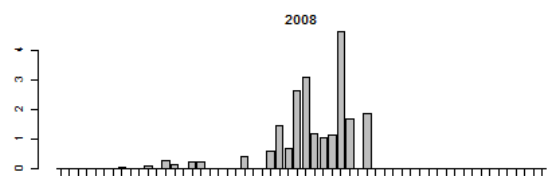
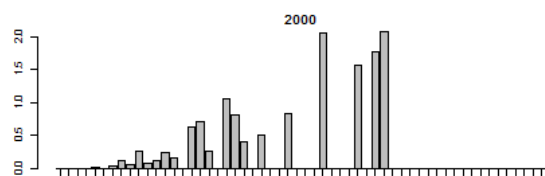
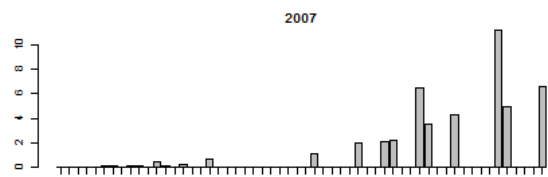
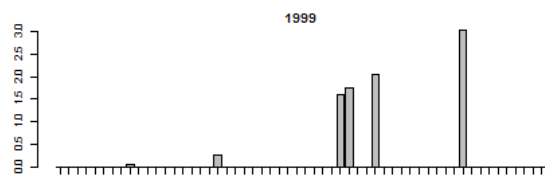
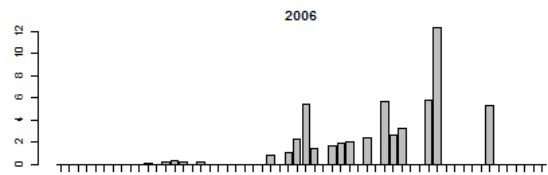
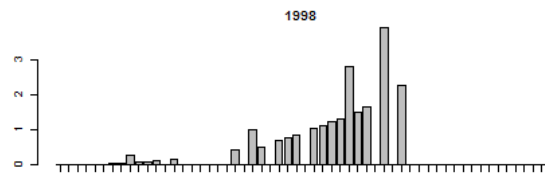
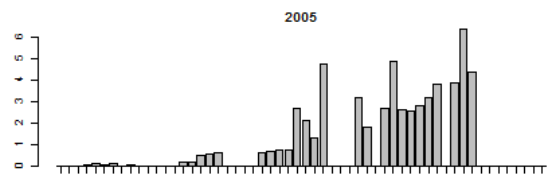
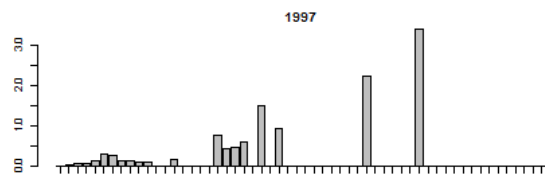
Nieuwe Merwede (bemonstering vanaf 1997)



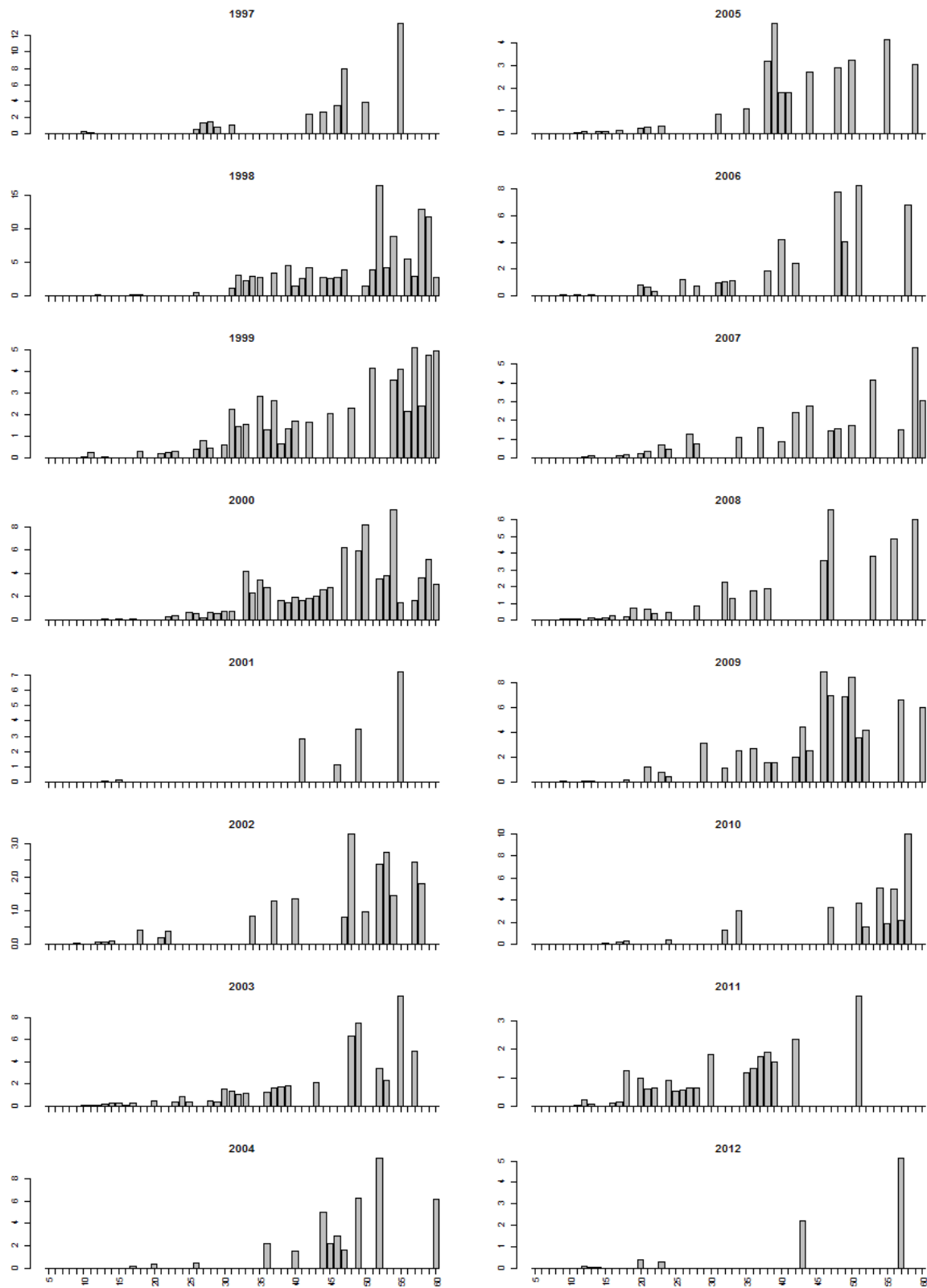
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



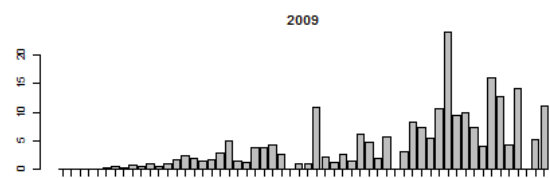
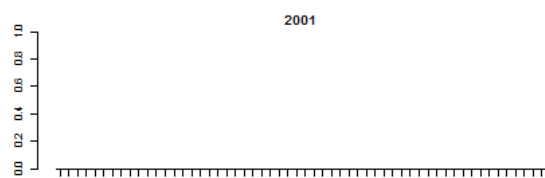
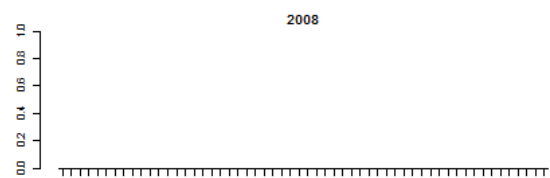
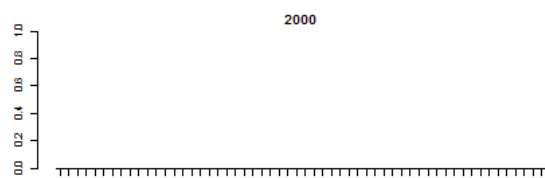
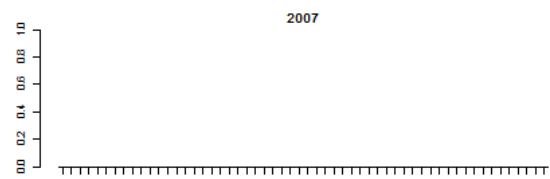
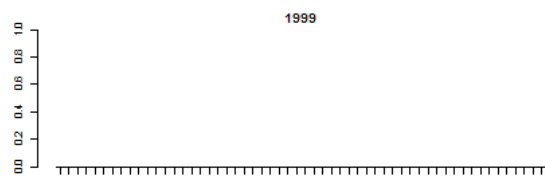
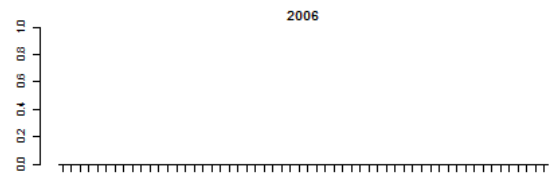
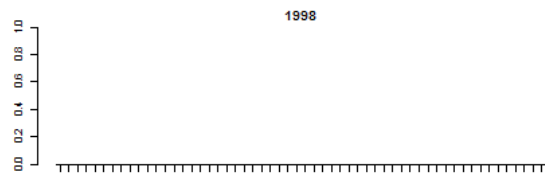
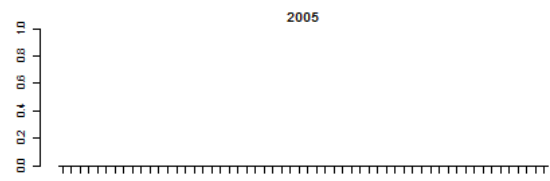
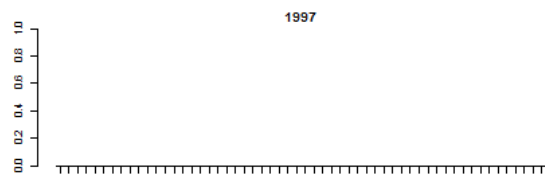
Oude Maas (bemonstering vanaf 1997)



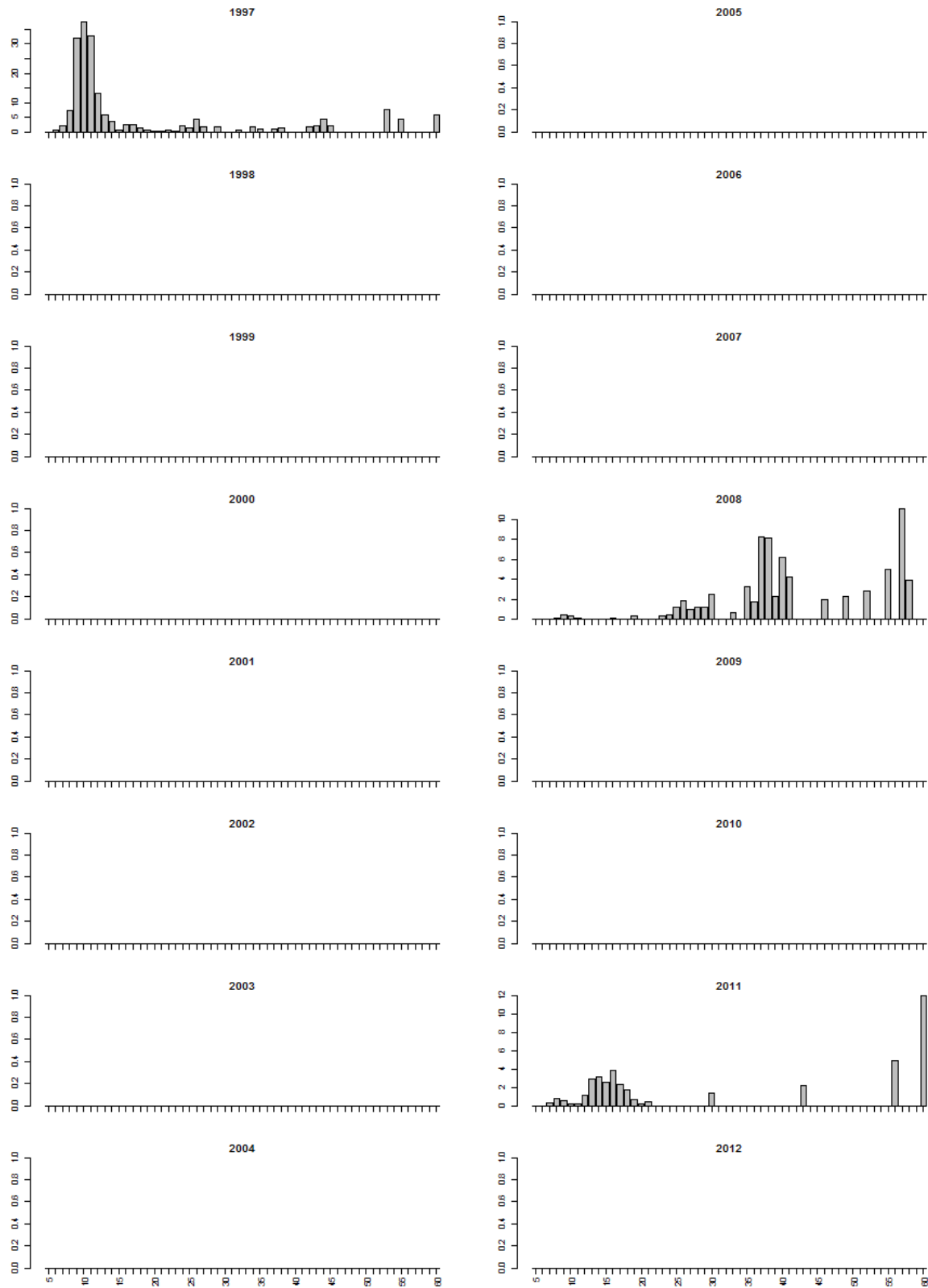
Rijn (bemonstering vanaf 1997)



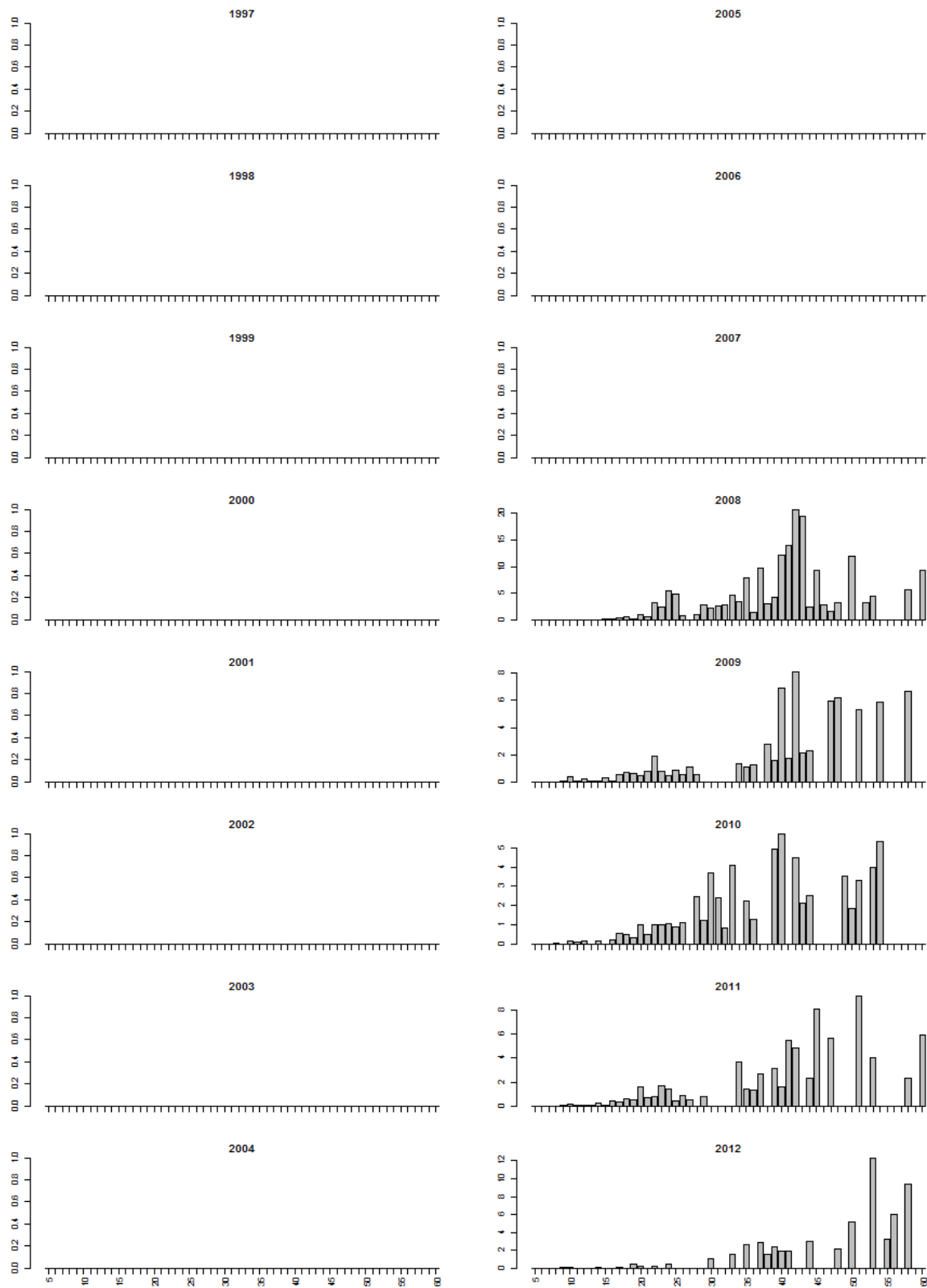
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

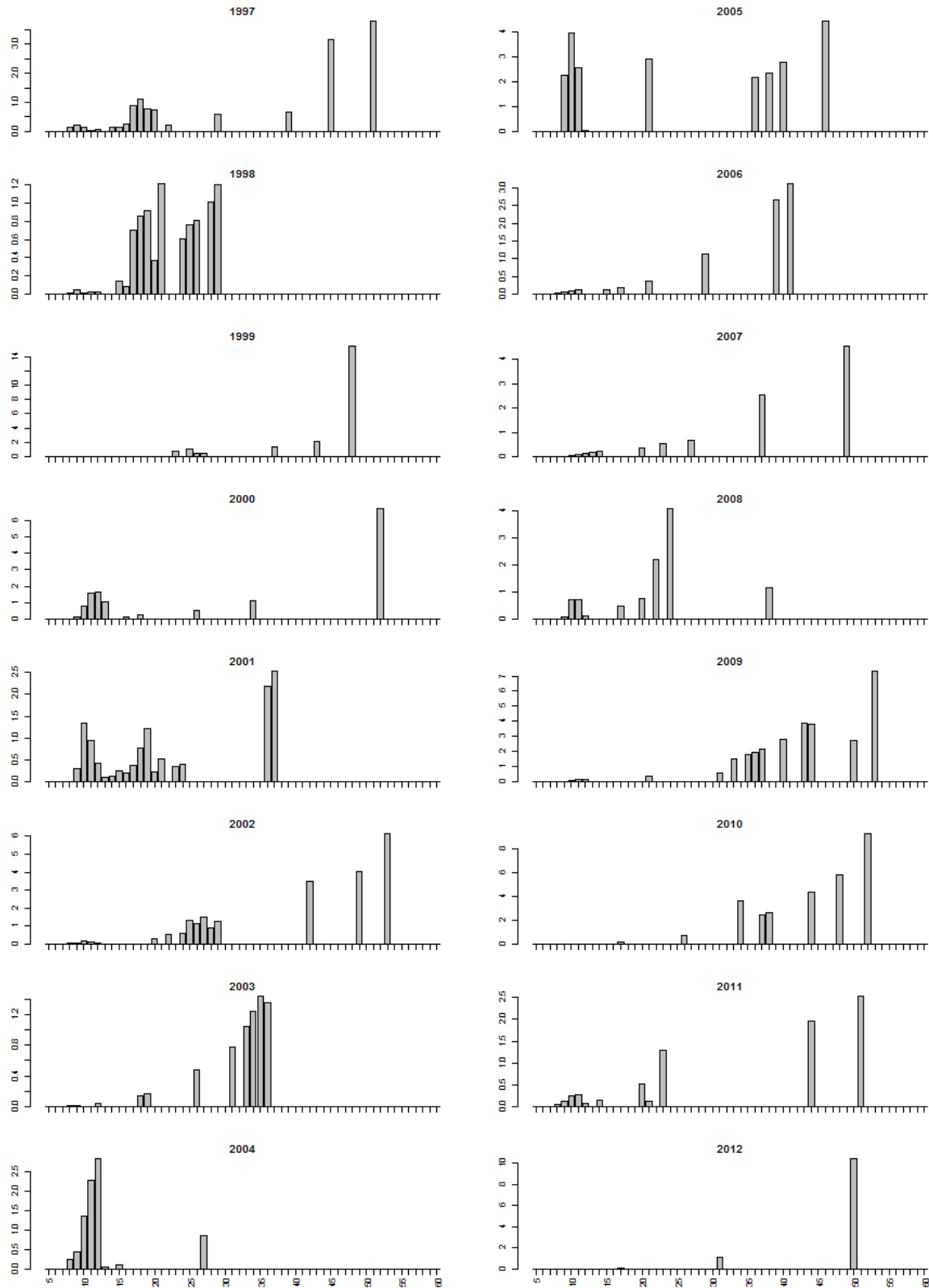


Zandmaas (bemonstering vanaf 2008)

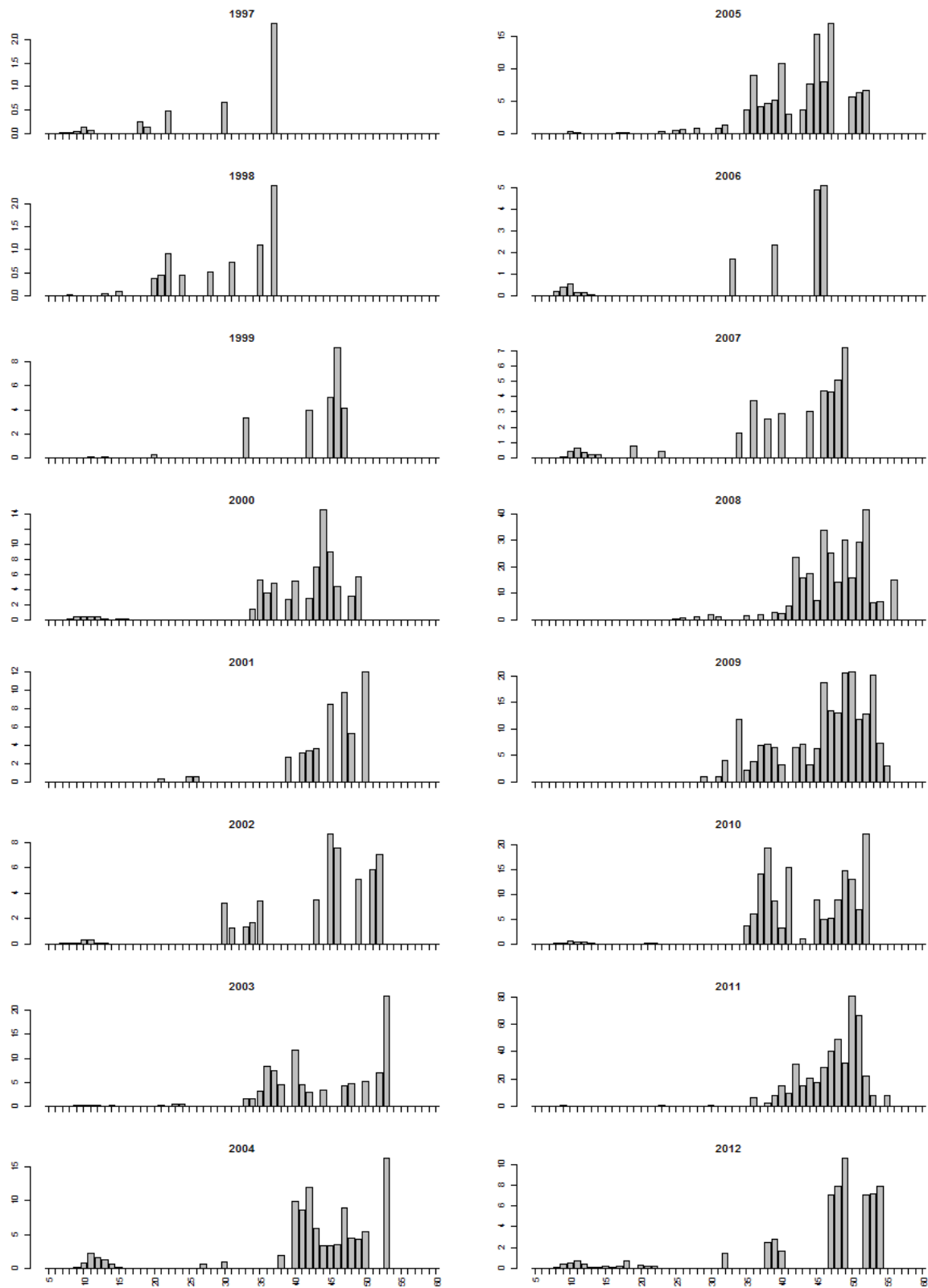


Figuur VII.16 Winde lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

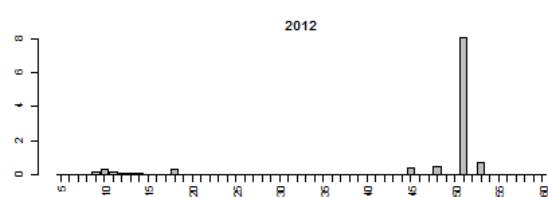
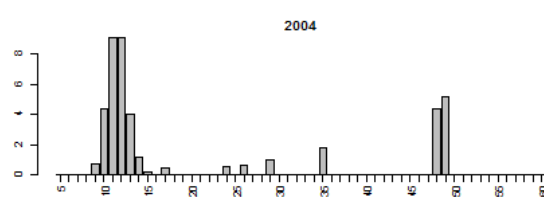
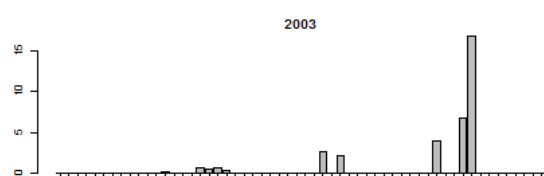
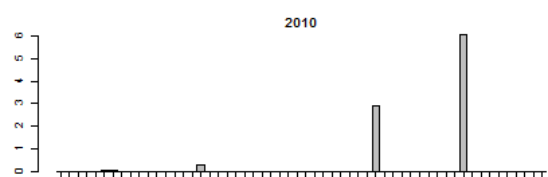
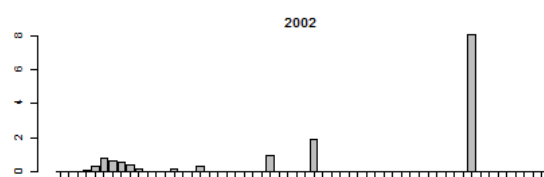
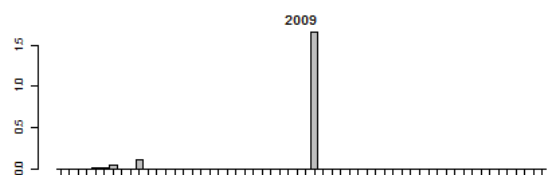
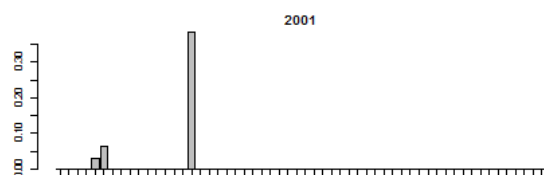
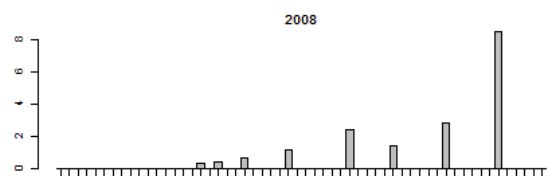
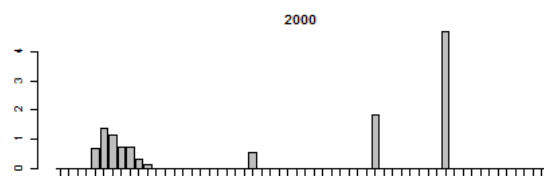
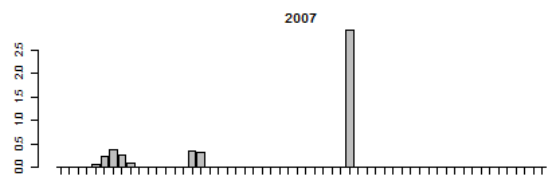
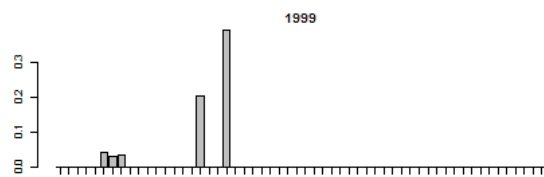
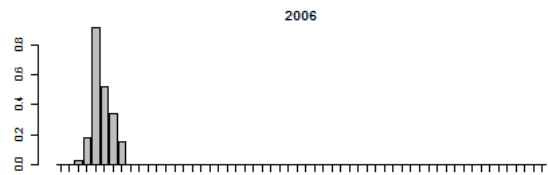
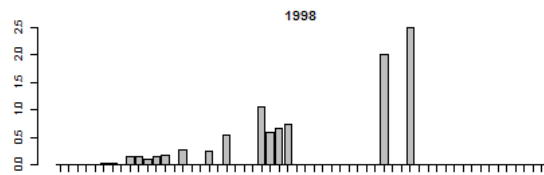
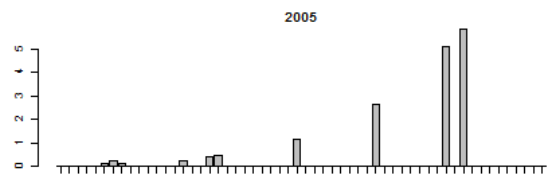
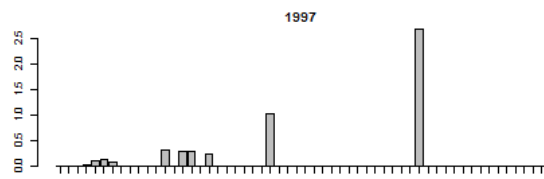
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



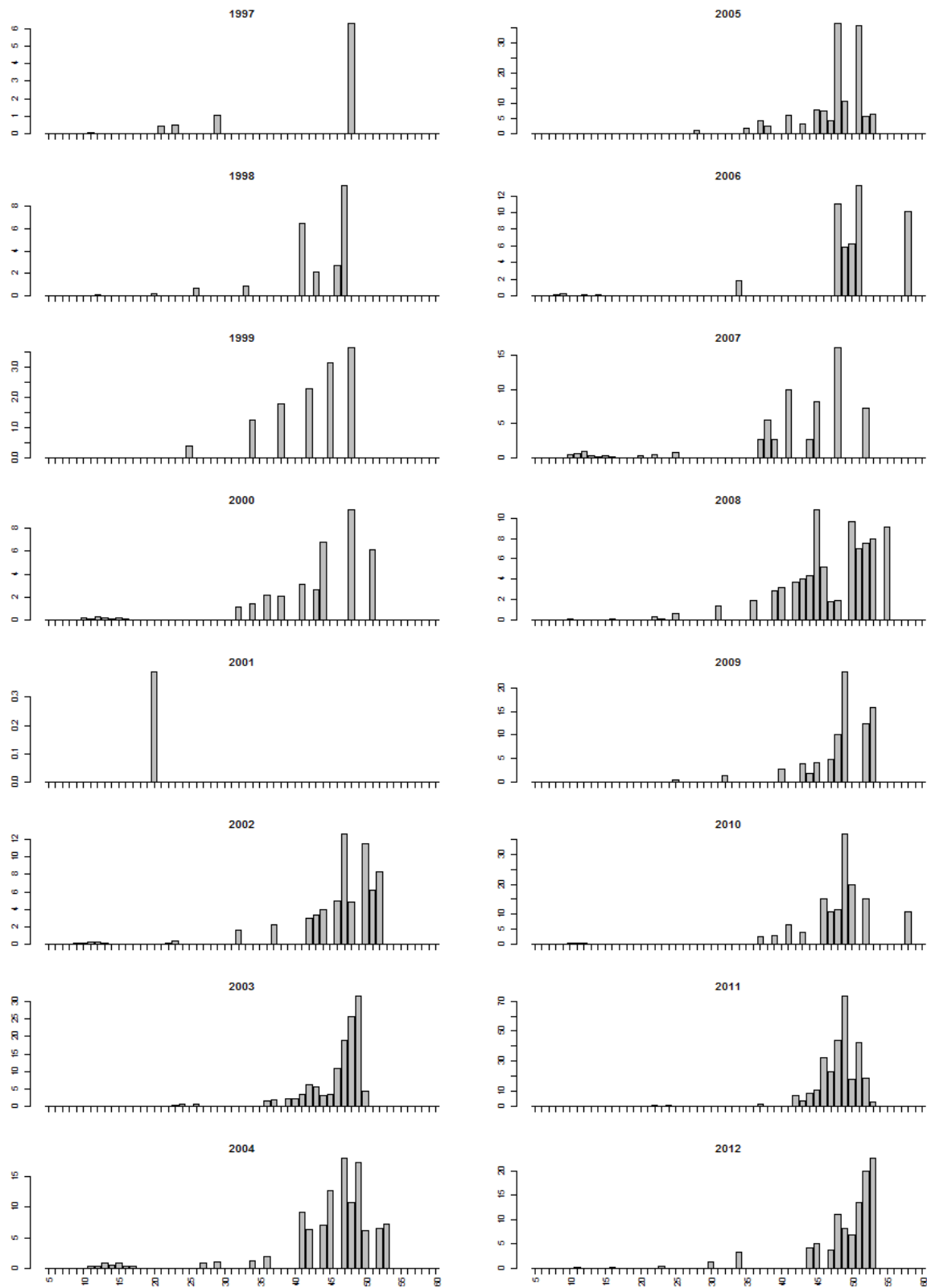
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



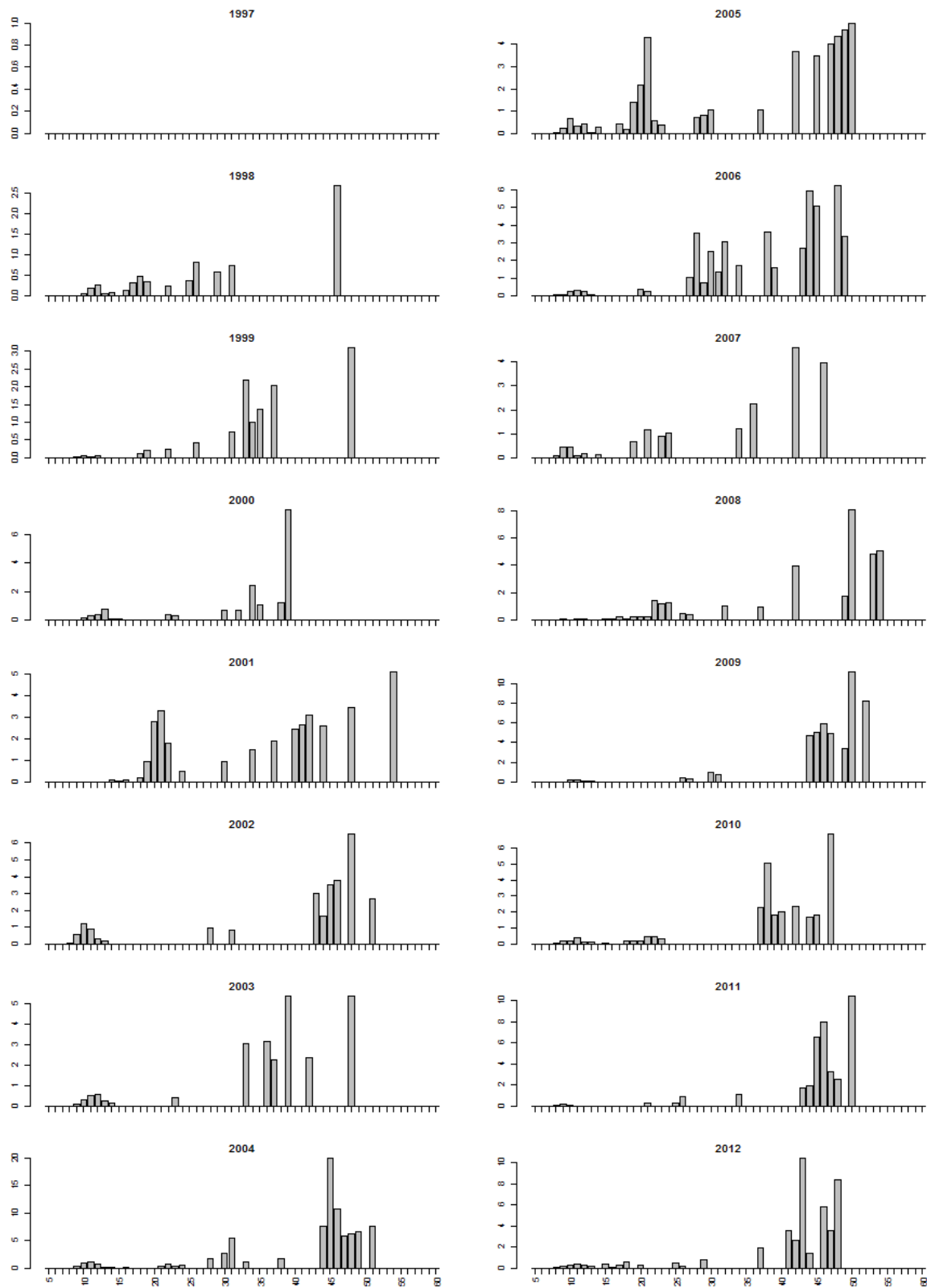
Bovenloop Nederrijn (bemonstering vanaf 1997)



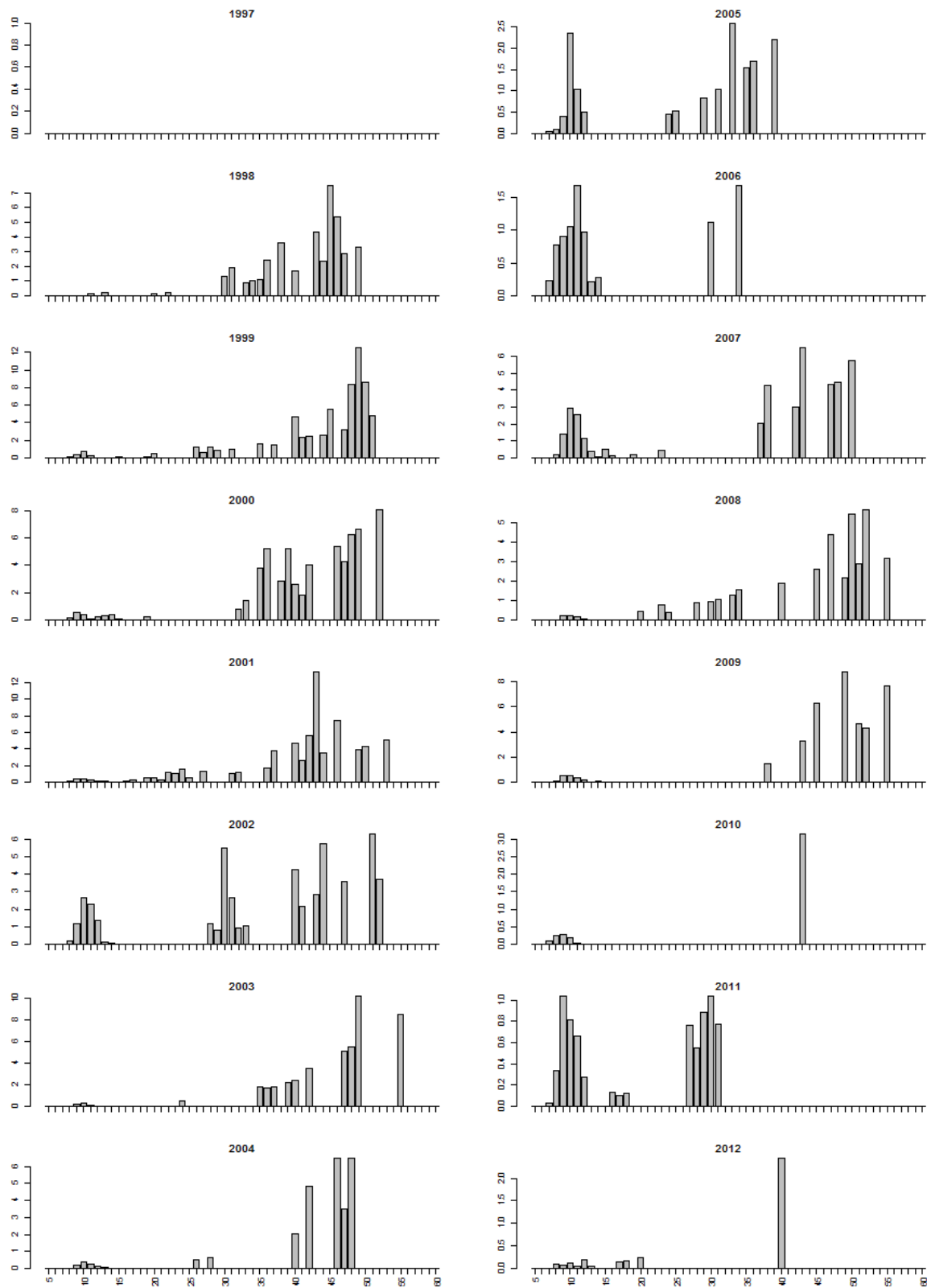
Bovenloop Waal (bemonstering vanaf 1997)



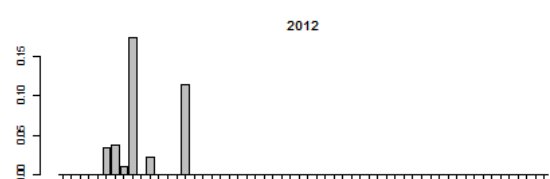
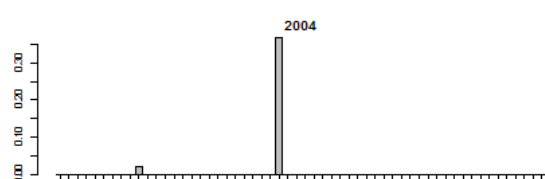
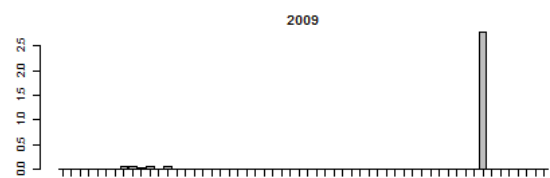
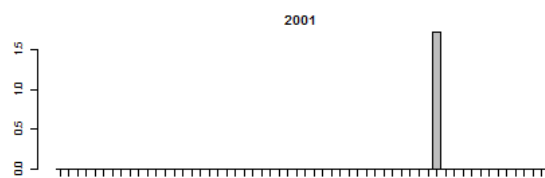
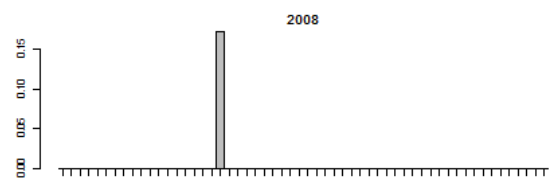
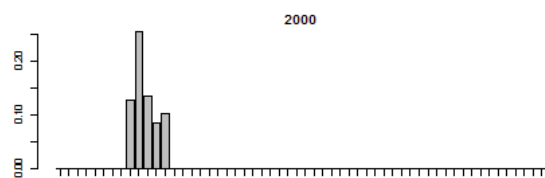
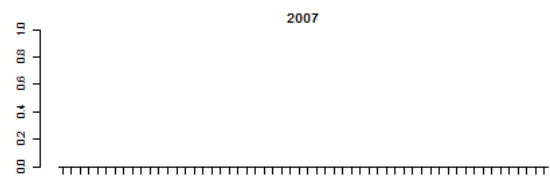
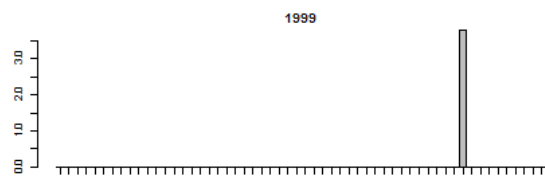
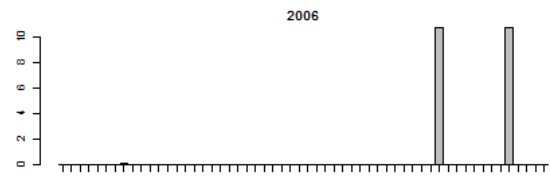
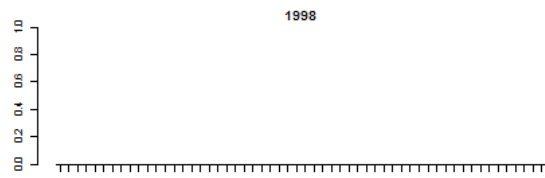
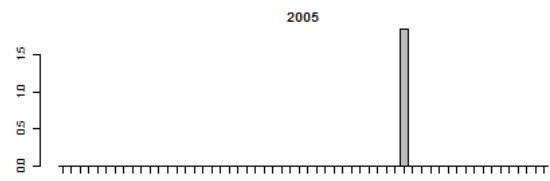
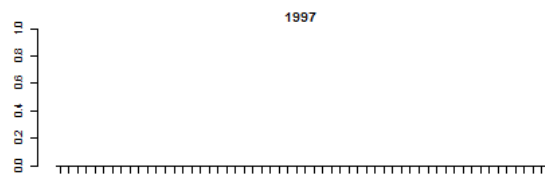
Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)

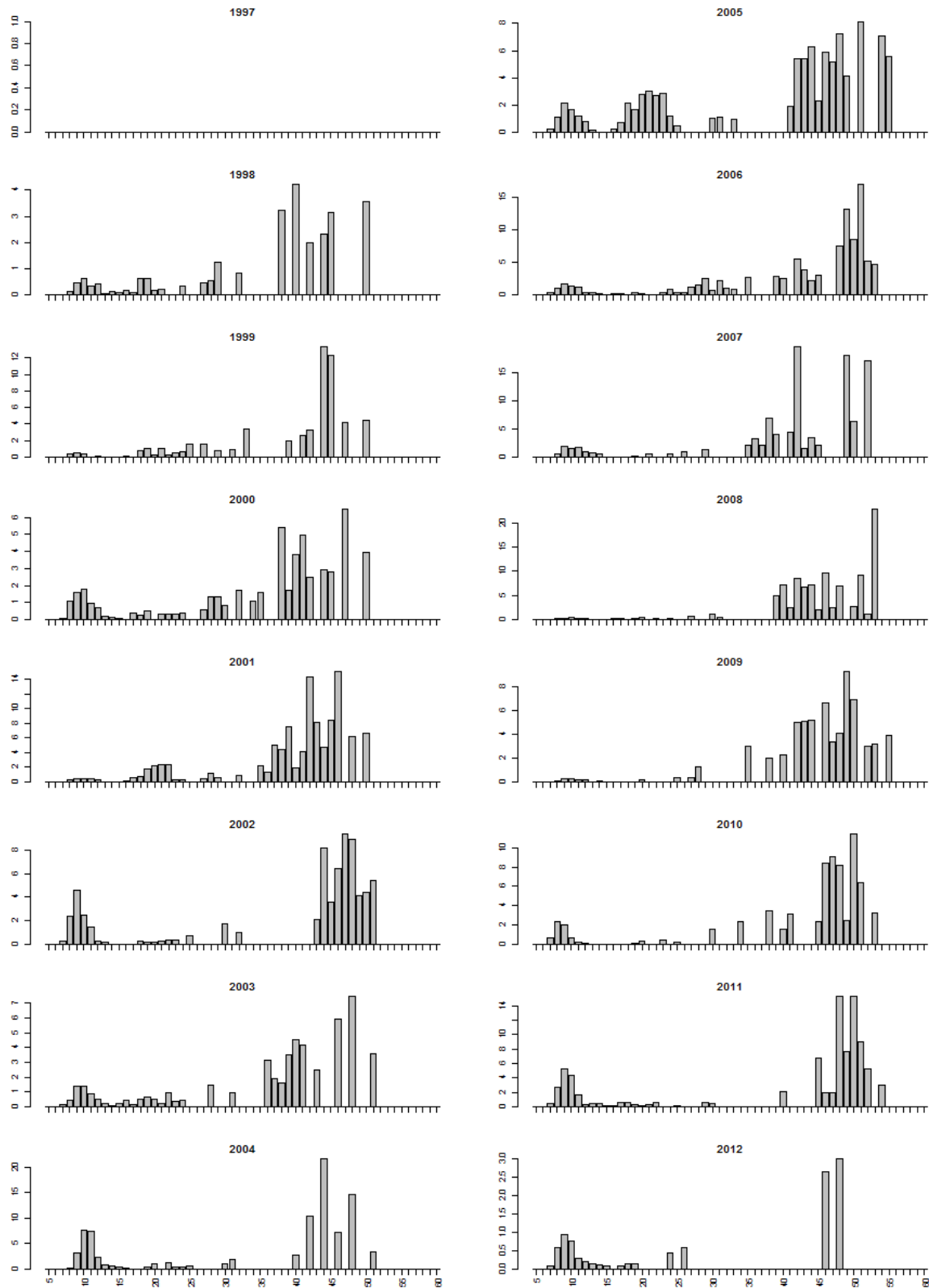


Grensmaas (bemonstering vanaf 1997)

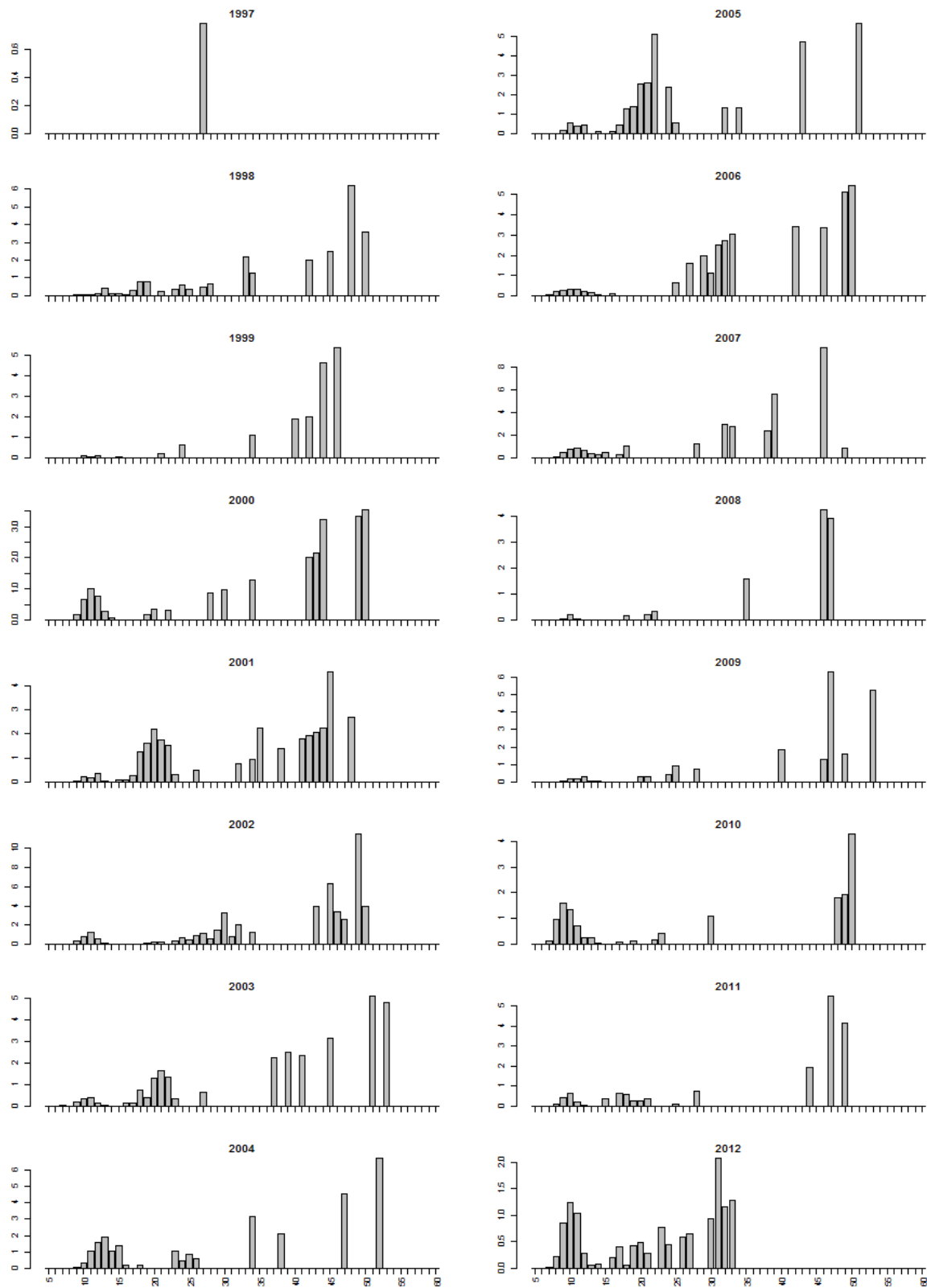


Grevelingen (alleen bemonsterd in 2008 en 2011). Geen winde gevangen.

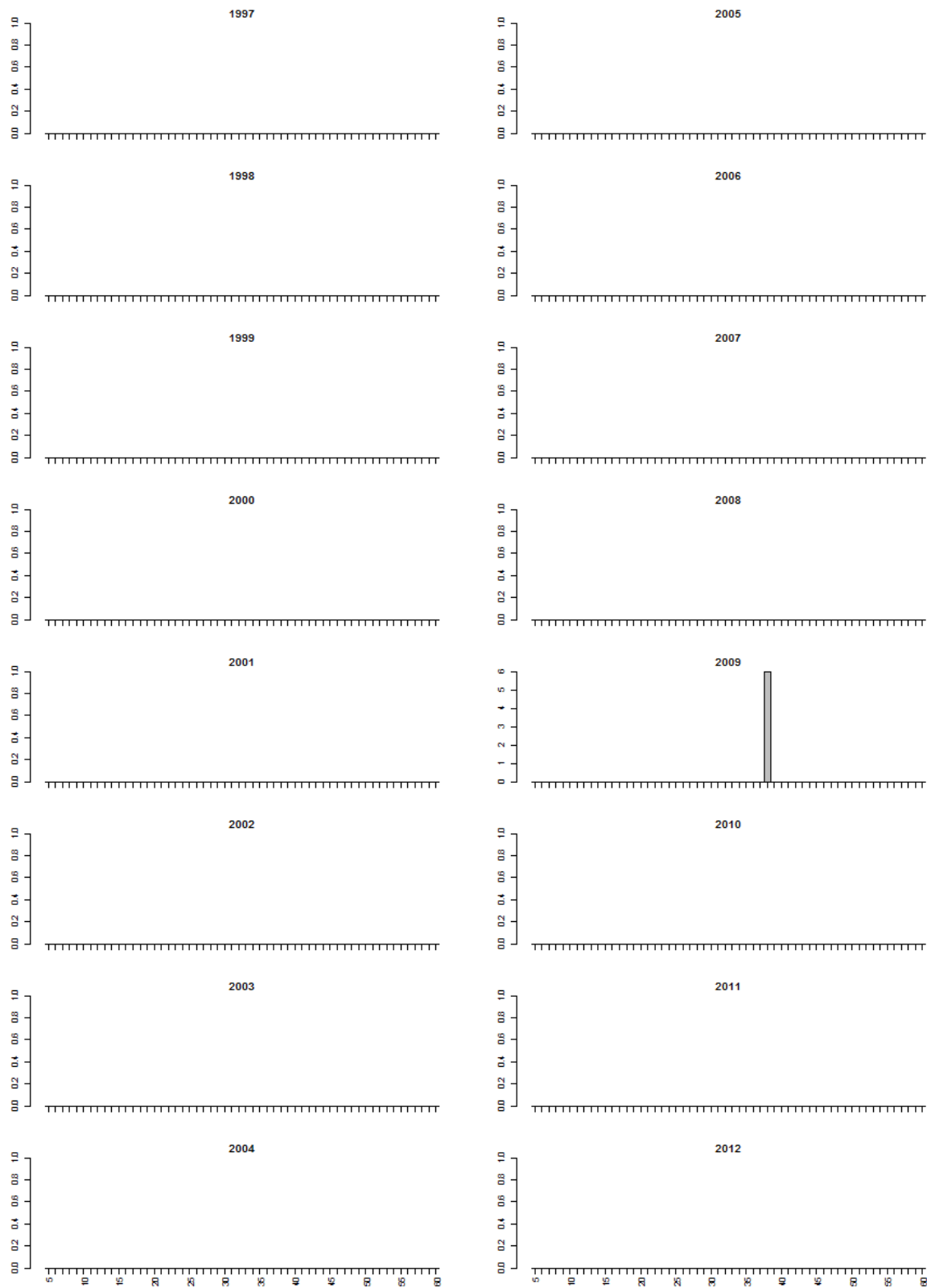
Hollands diep (bemonstering vanaf 1997)



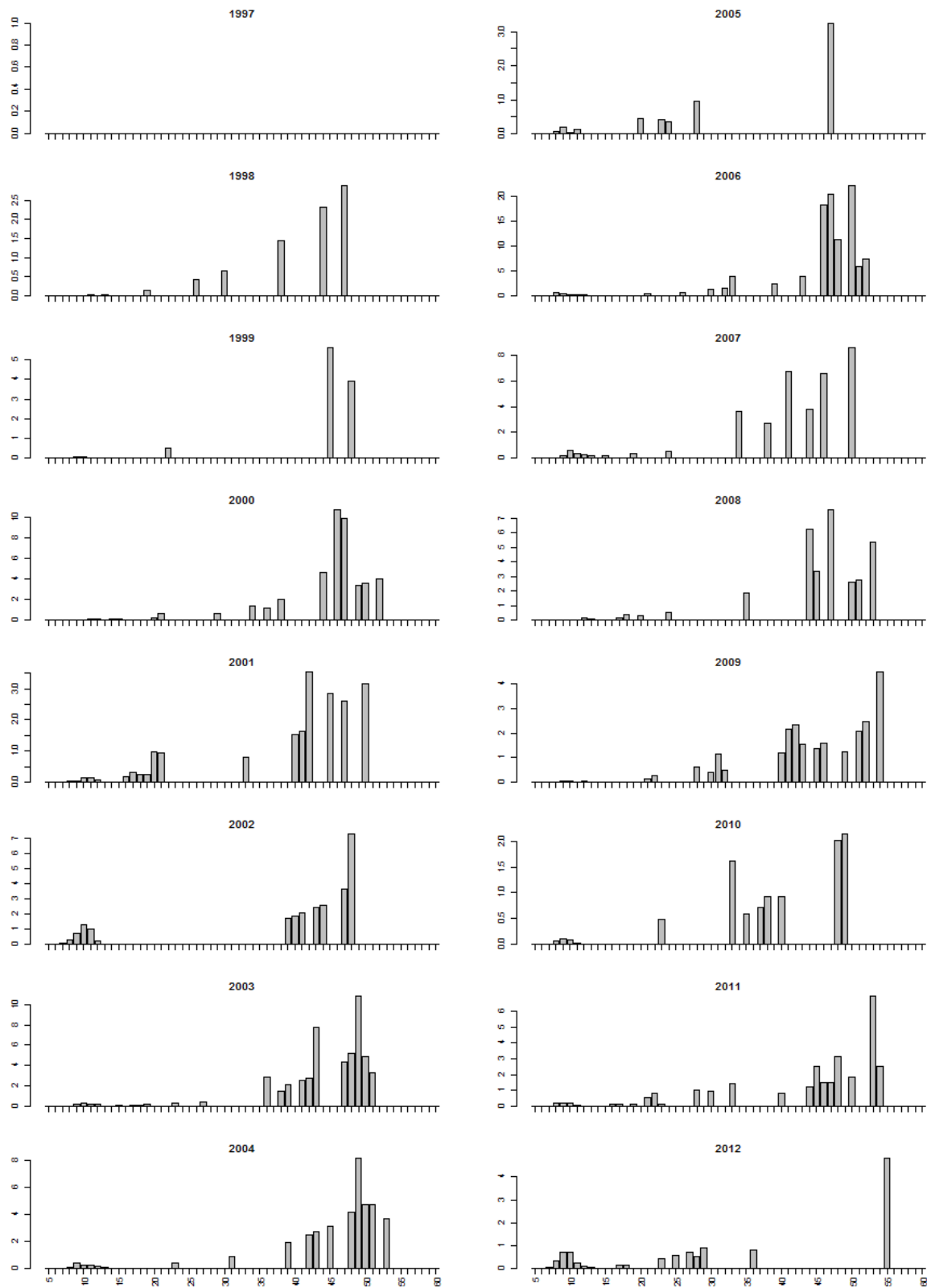
Nieuwe Merwede (bemonstering vanaf 1997)



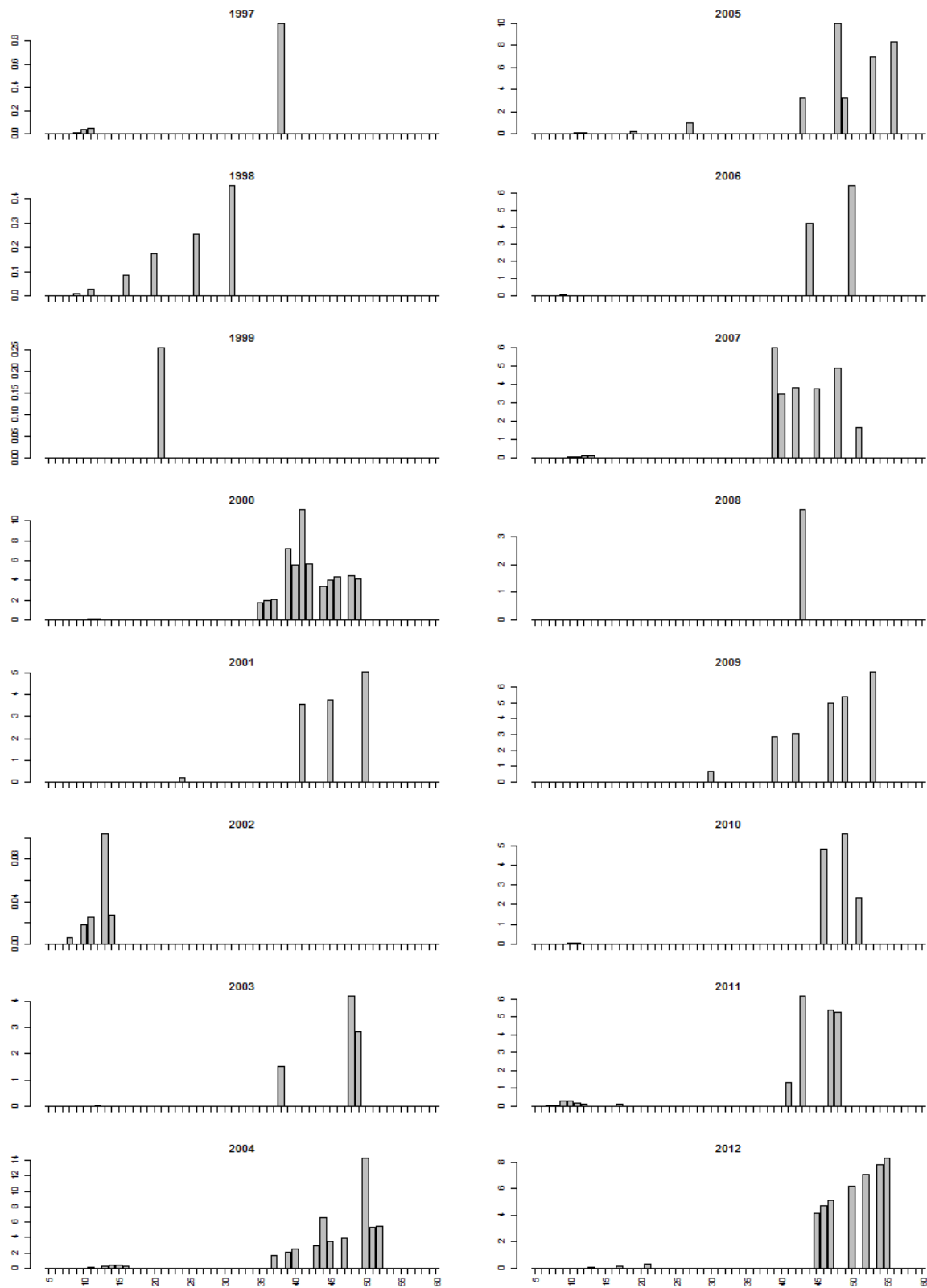
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



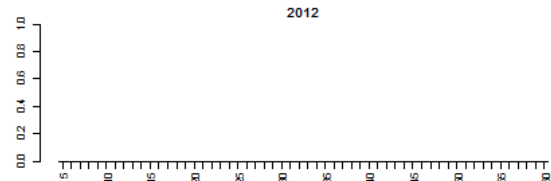
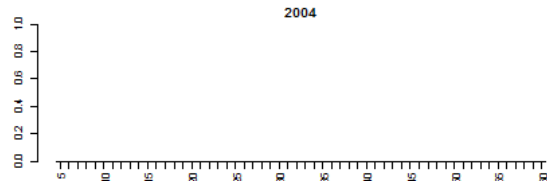
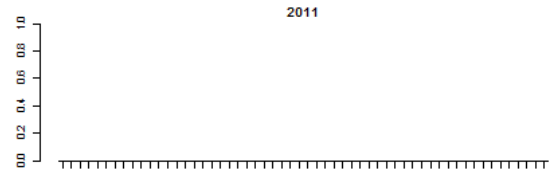
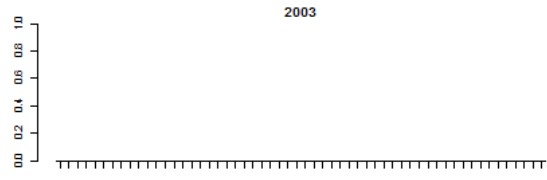
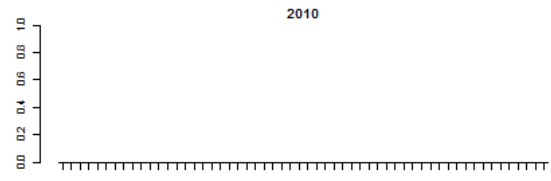
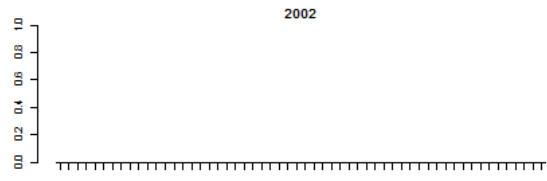
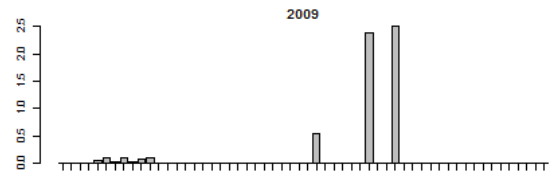
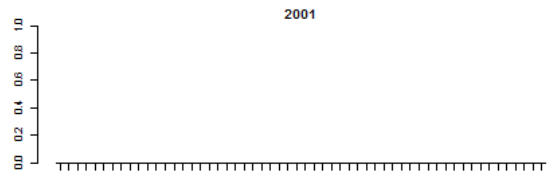
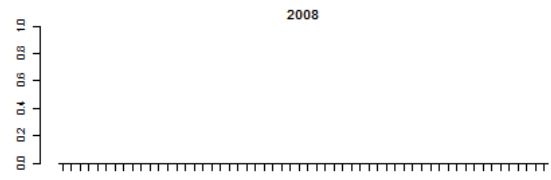
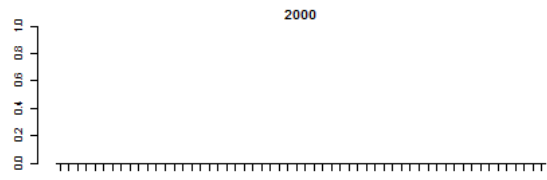
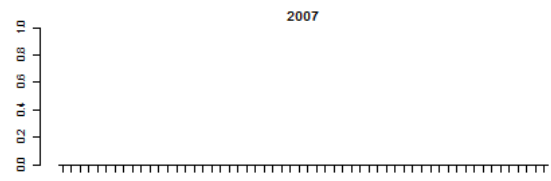
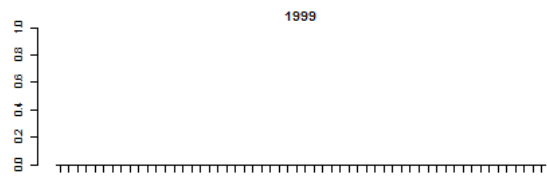
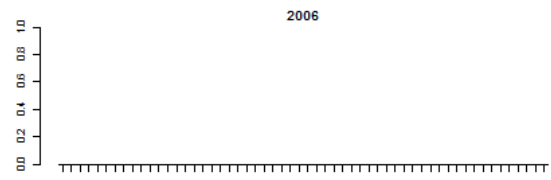
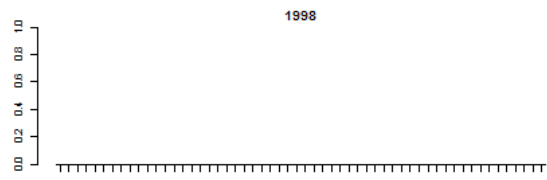
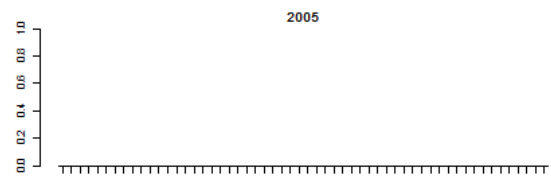
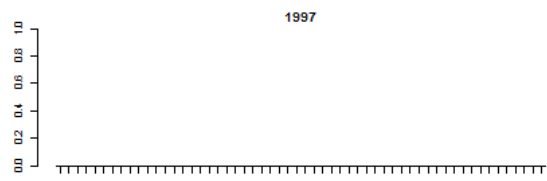
Oude Maas (bemonstering vanaf 1997)



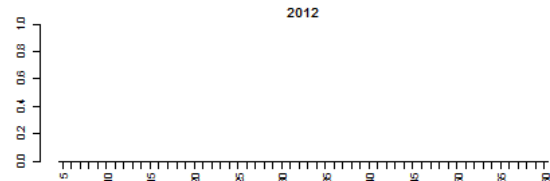
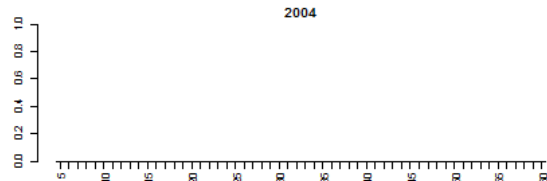
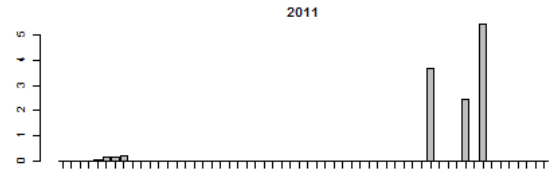
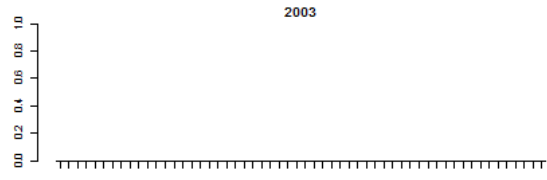
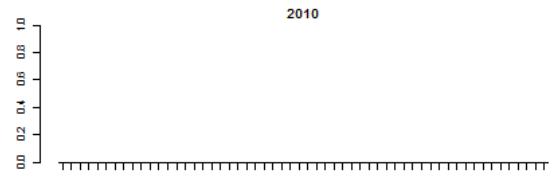
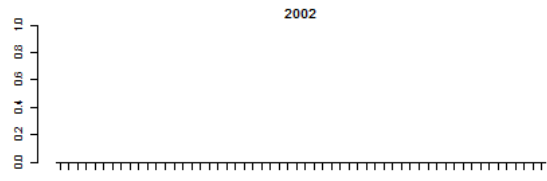
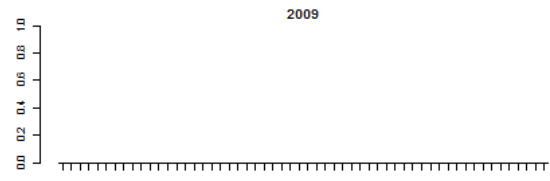
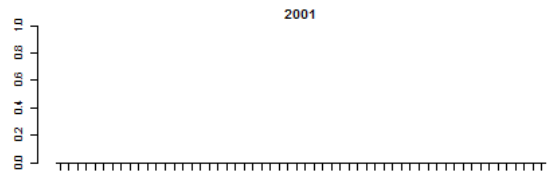
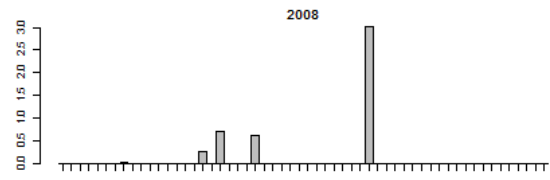
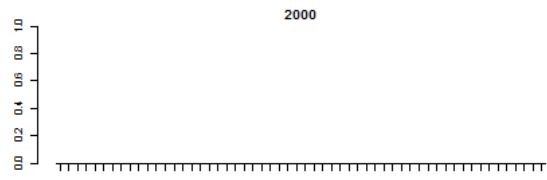
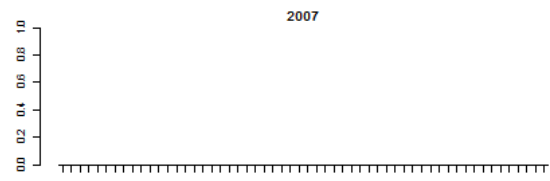
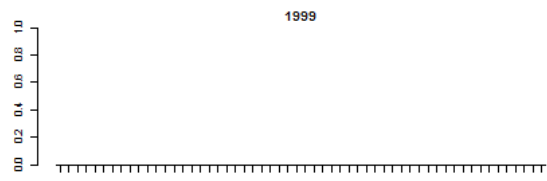
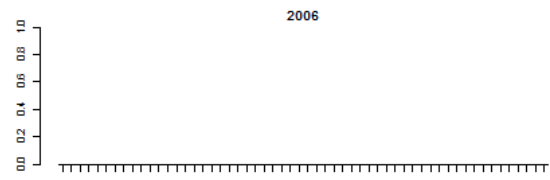
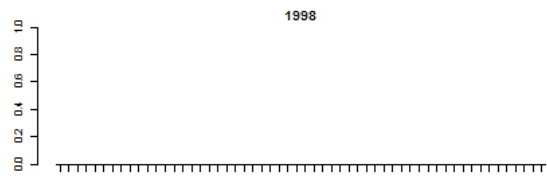
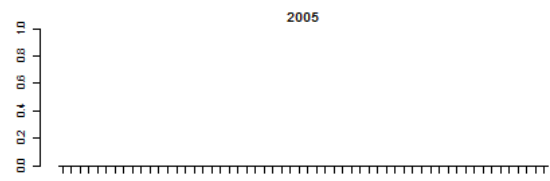
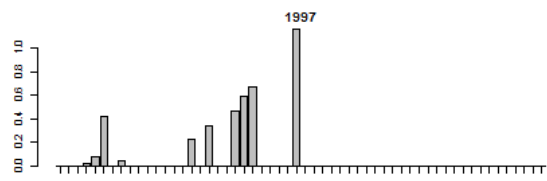
Rijn (bemonstering vanaf 1997)



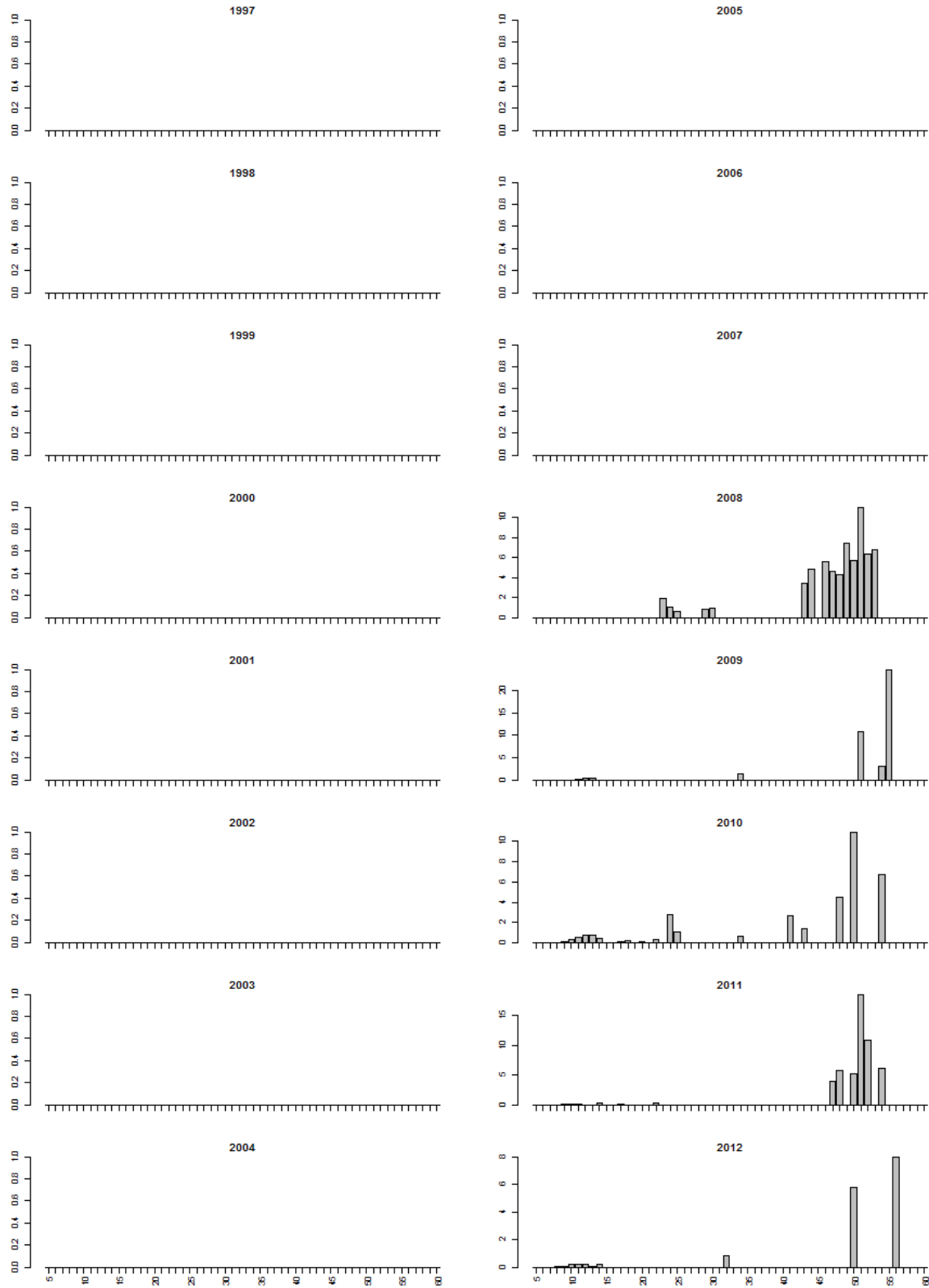
Twentekanaal (alleen bemonsterd in 2009)



Volkerak (alleen bemonsterd in 1997, 2008, 2011)

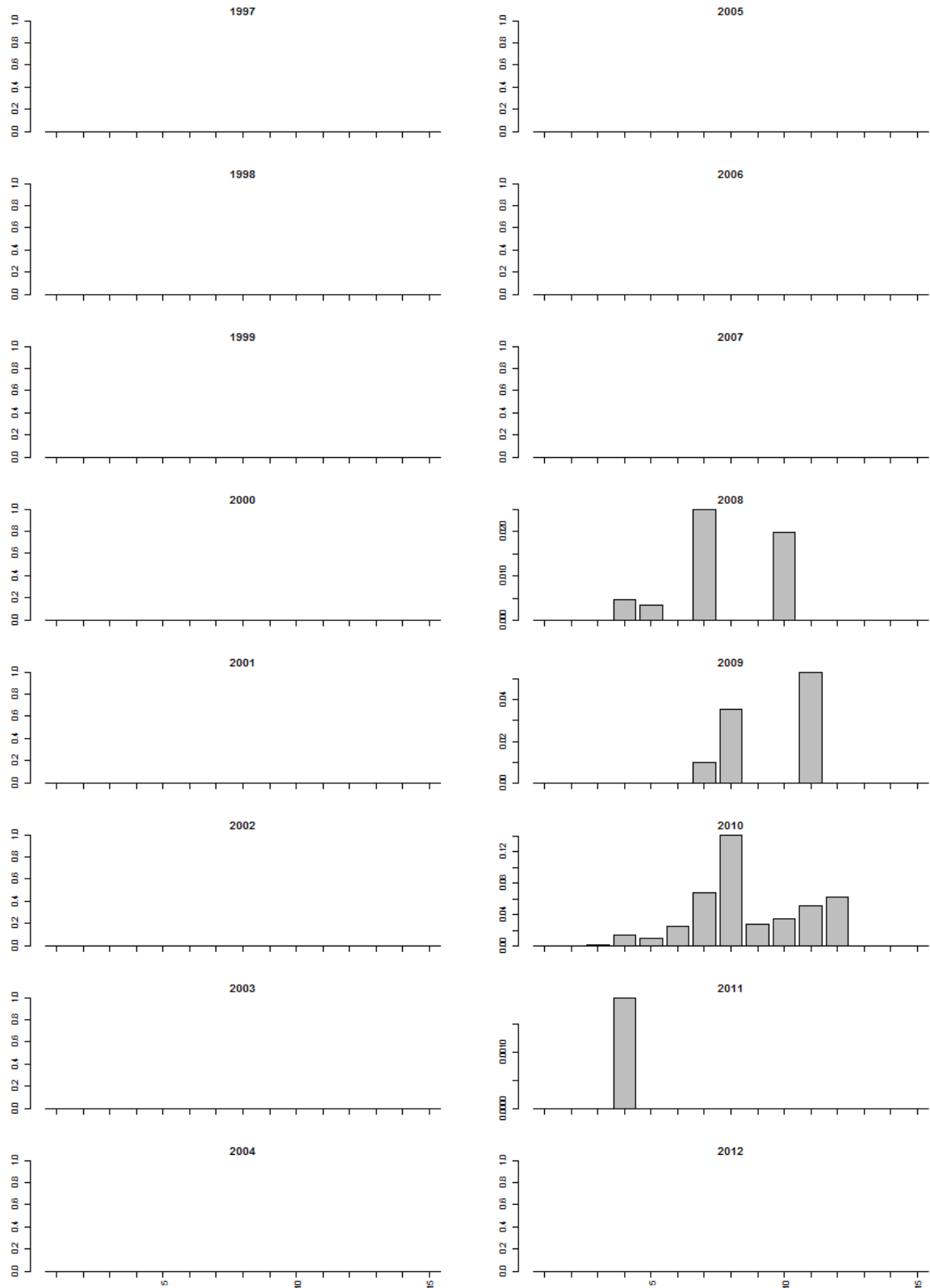


Zandmaas (bemonstering vanaf 2008)

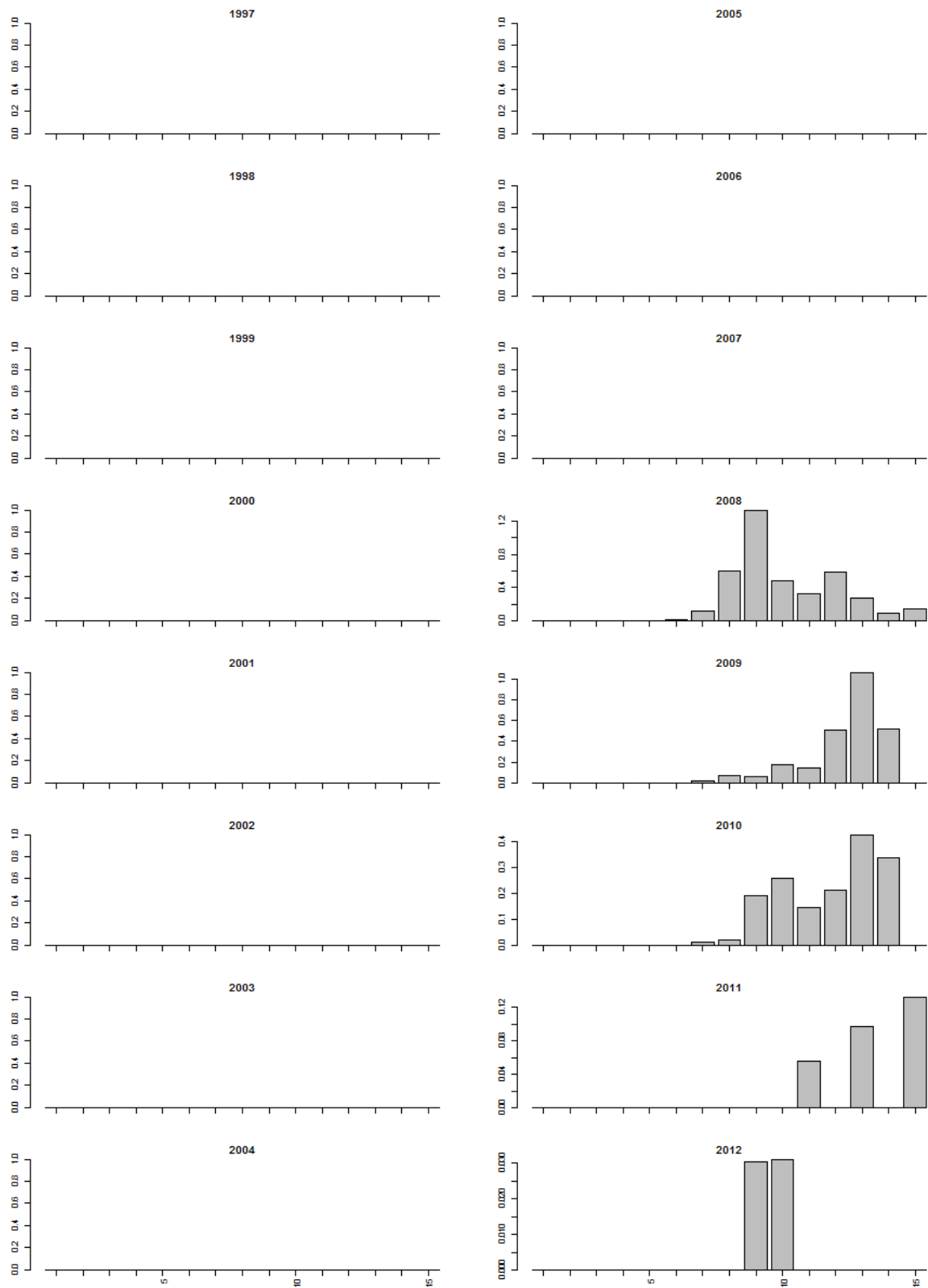


Figuur VII.17 Witvingrondel lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

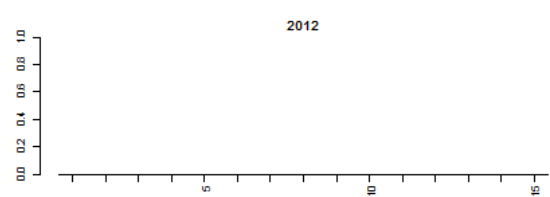
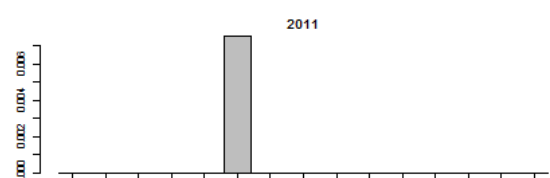
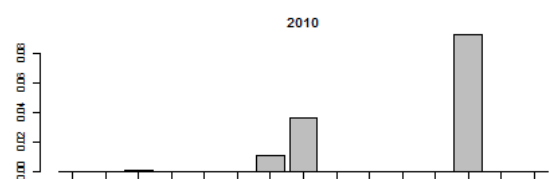
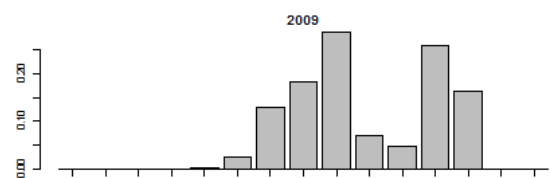
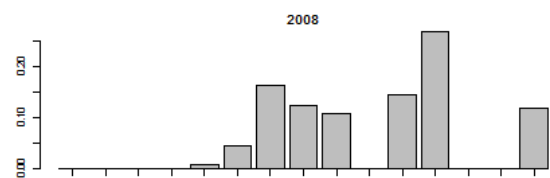
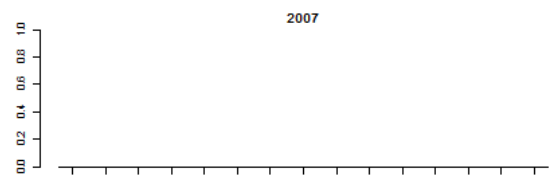
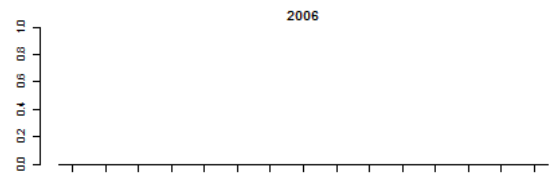
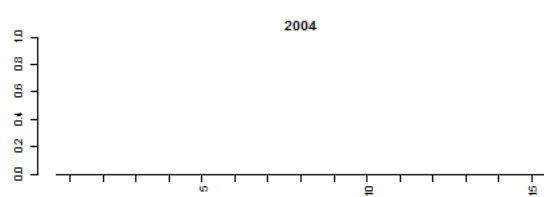
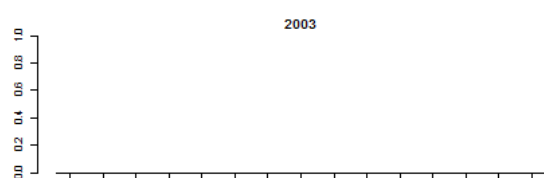
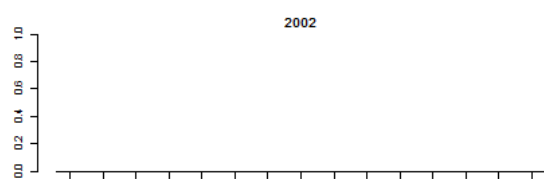
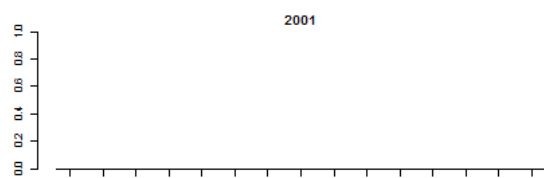
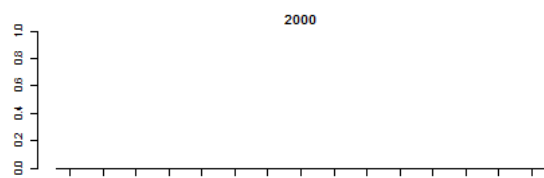
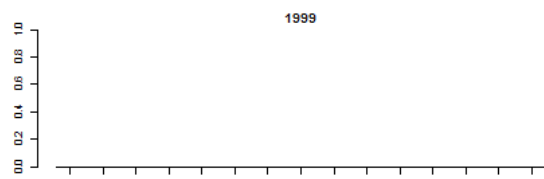
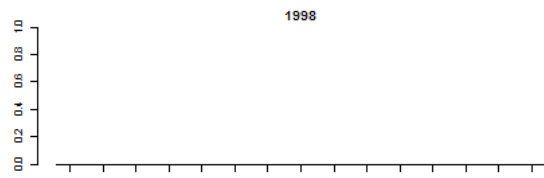
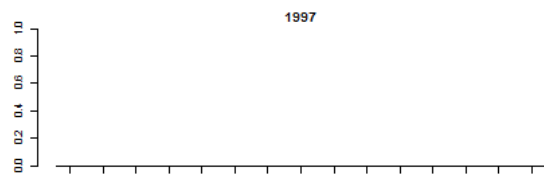
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



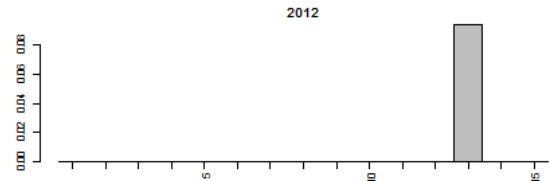
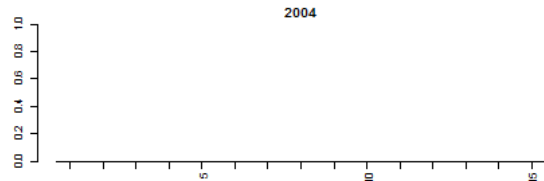
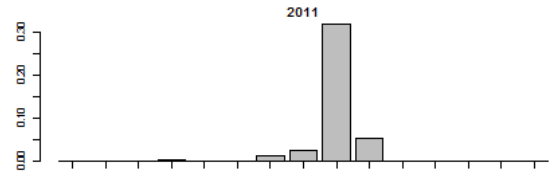
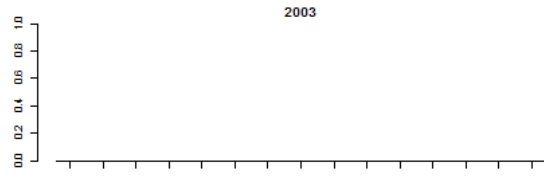
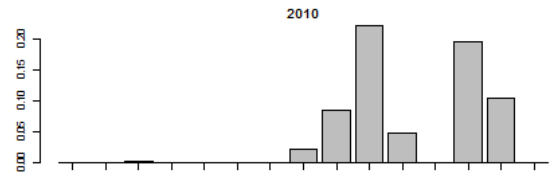
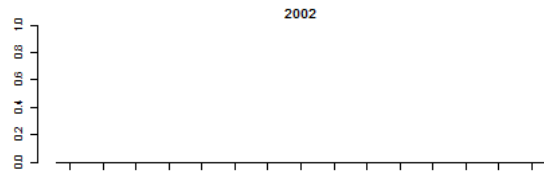
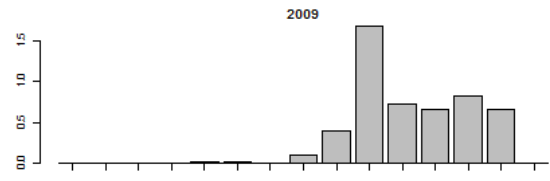
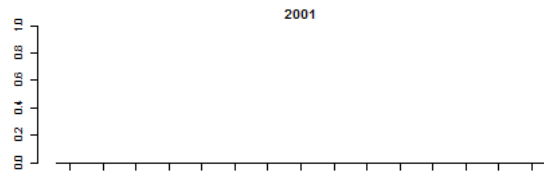
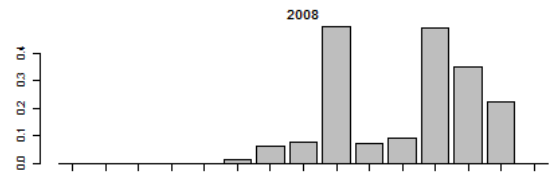
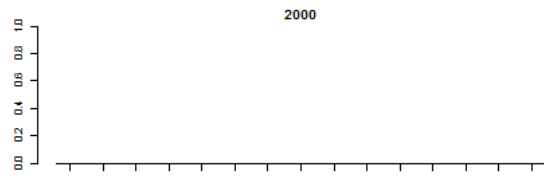
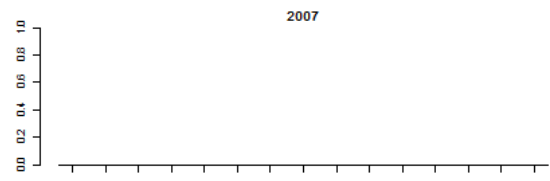
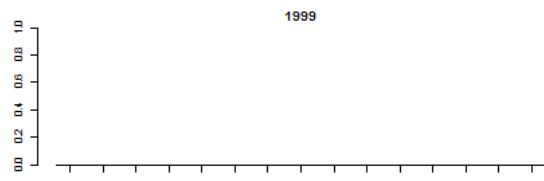
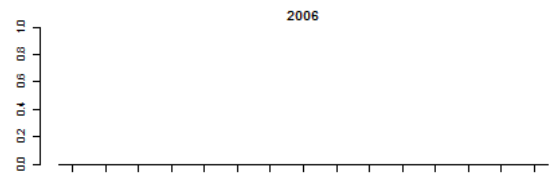
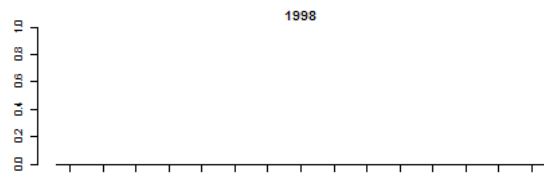
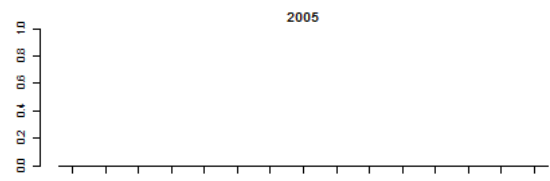
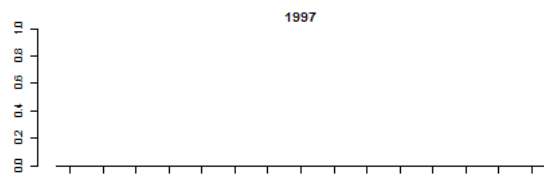
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



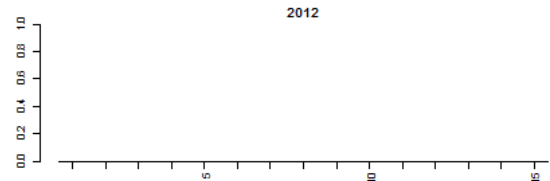
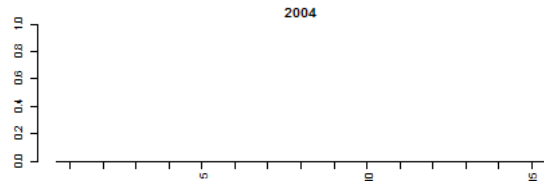
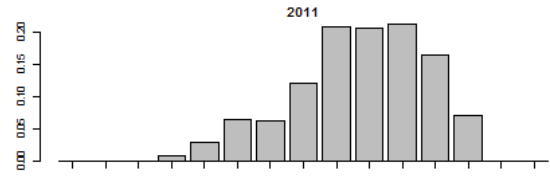
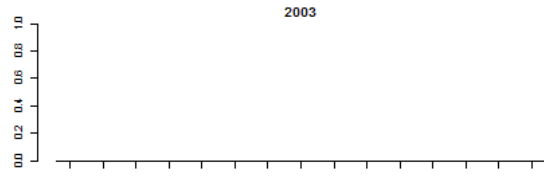
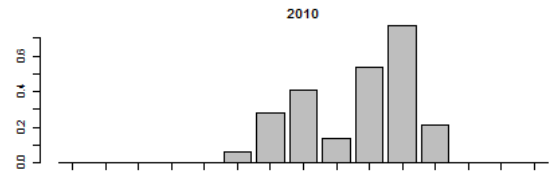
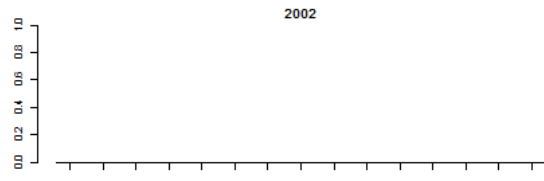
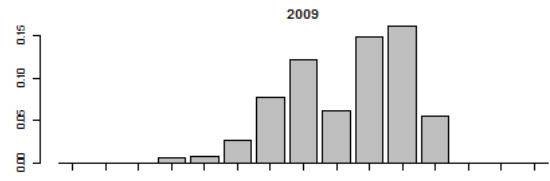
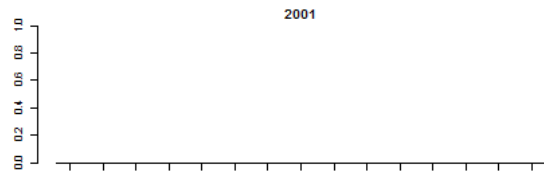
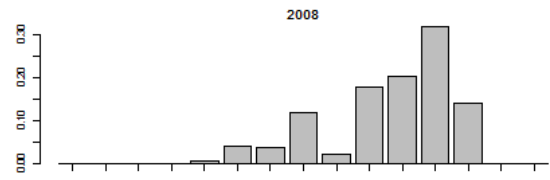
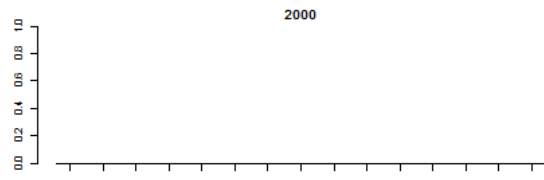
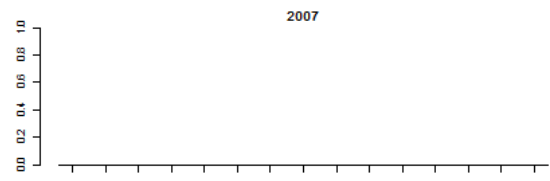
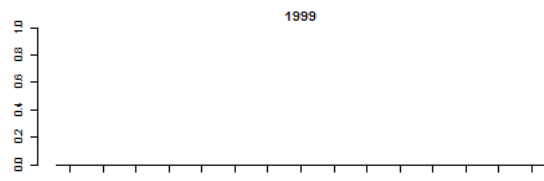
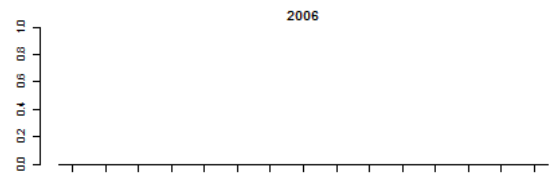
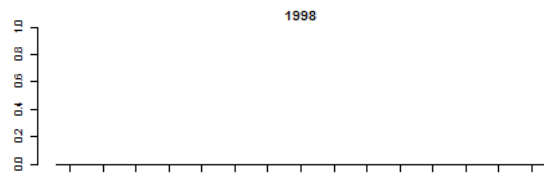
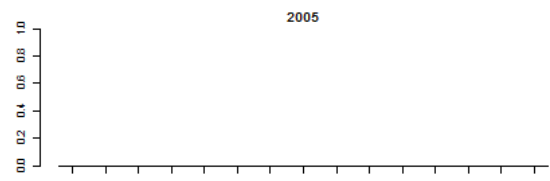
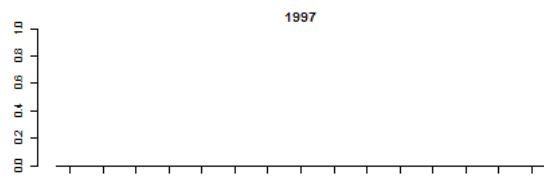
Bovenloop Nederrijn (bemonstering vanaf 1997)



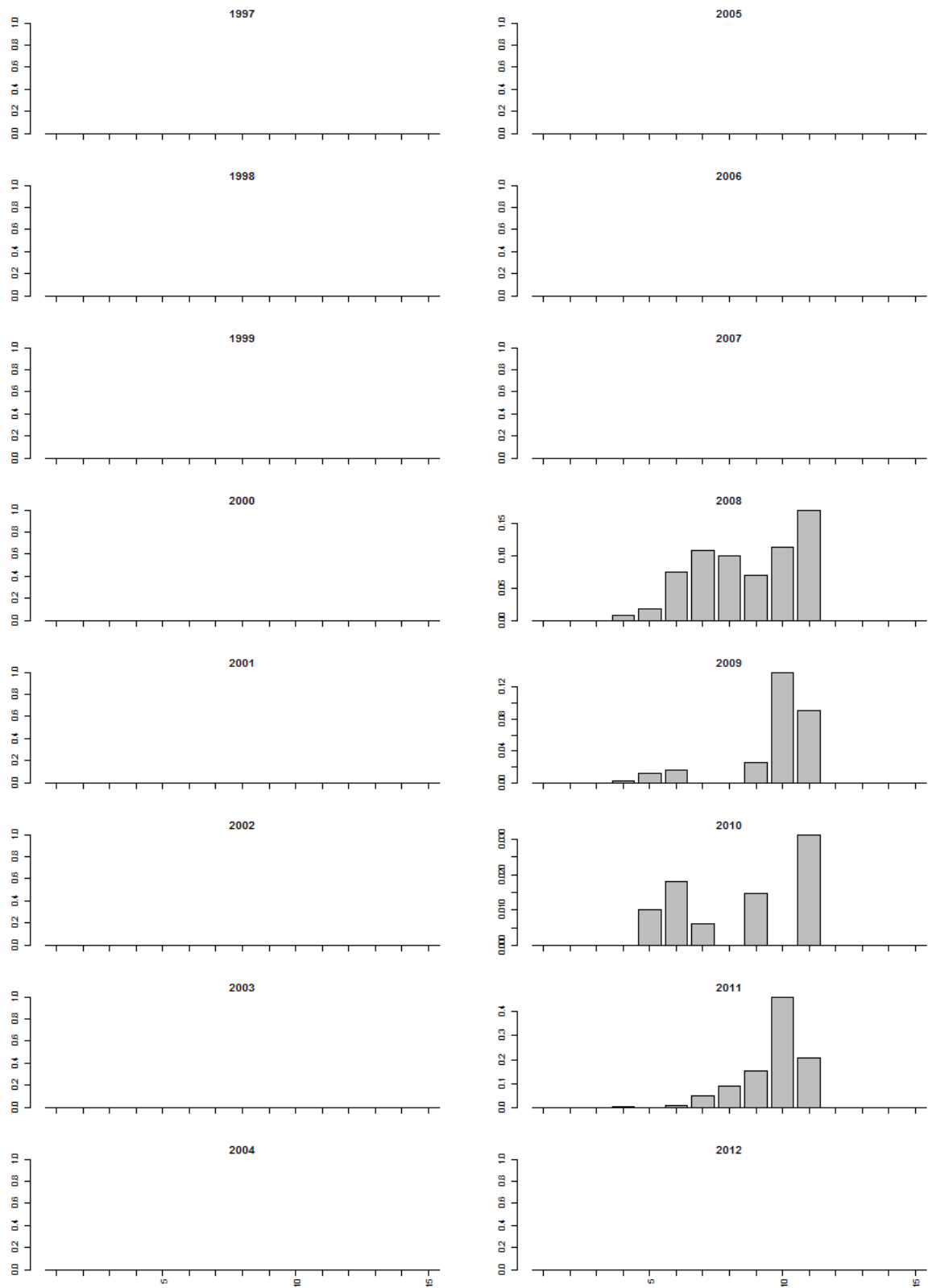
Bovenloop Waal (bemonstering vanaf 1997)



Getijden Lek (bemonstering vanaf 1998)



Getijden Maas (bemonstering vanaf 1998)



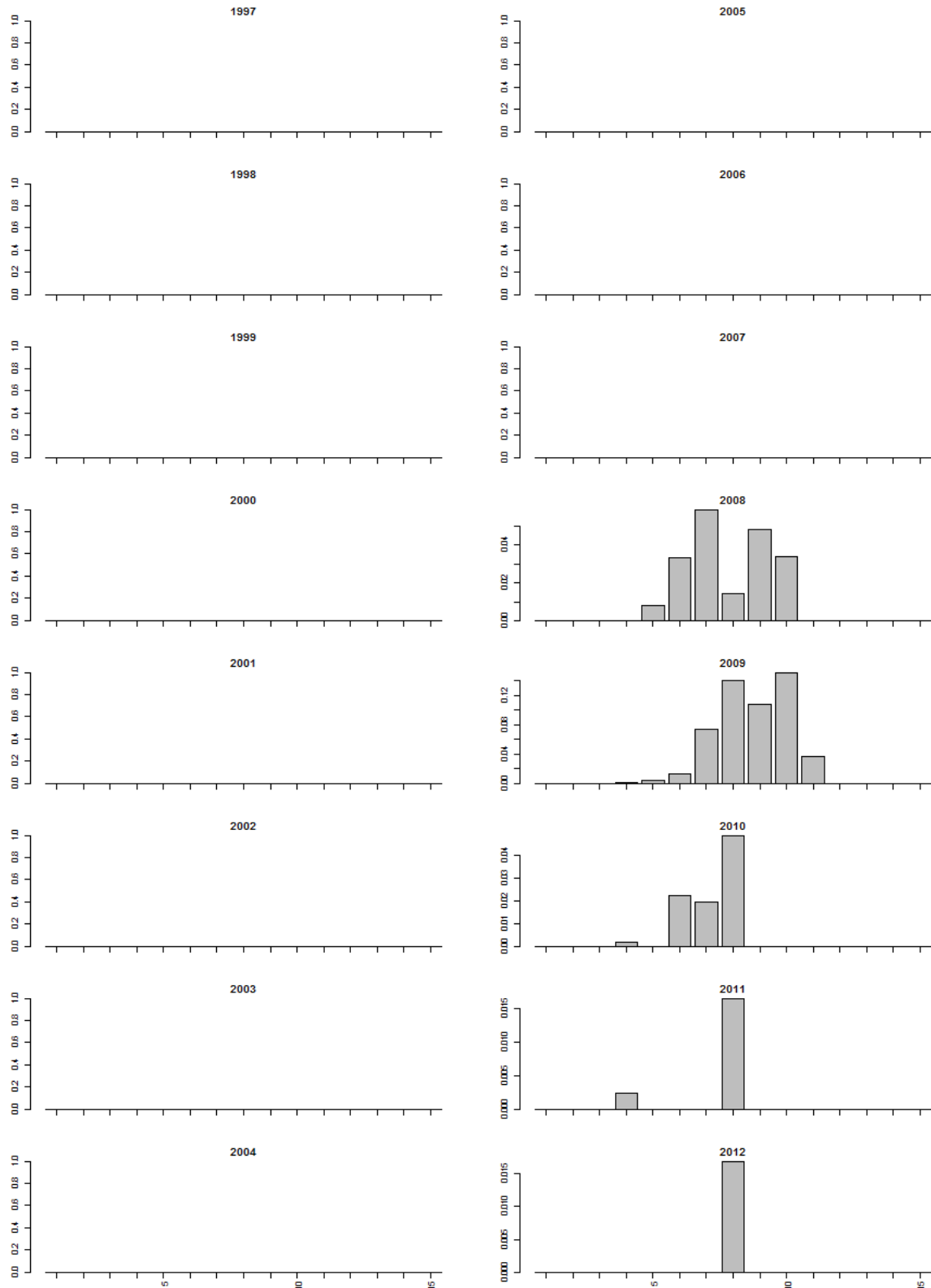
Grensmaas (bemonstering vanaf 1997)

Geen witvingrondel gevangen.

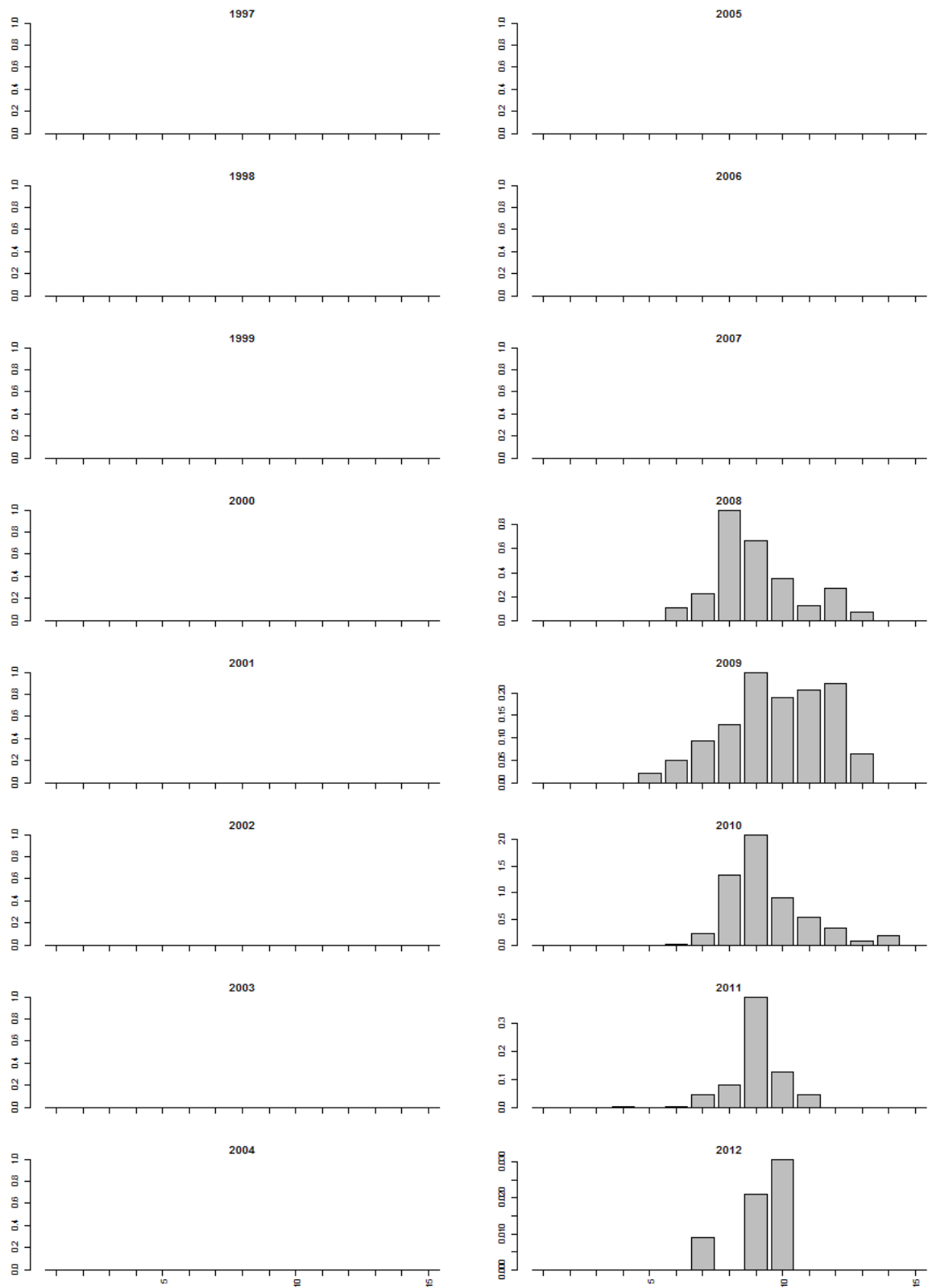
Grevelingen (alleen bemonsterd in 2008 en 2011)

Geen witvingrondel gevangen.

Hollands diep (bemonstering vanaf 1997)

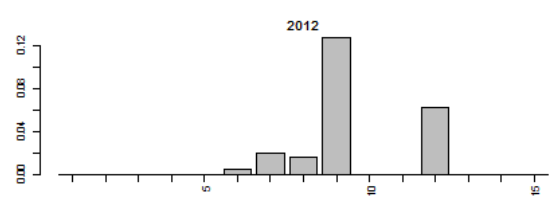
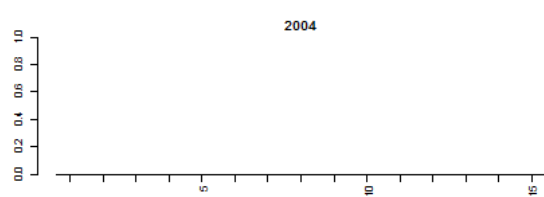
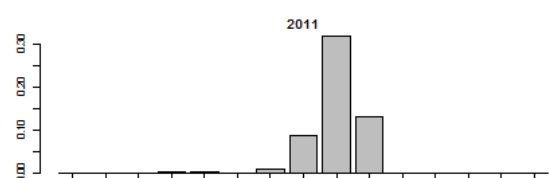
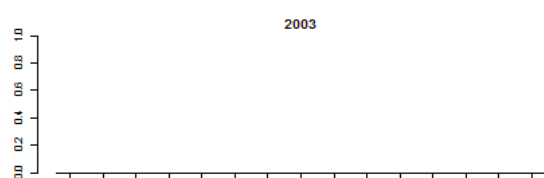
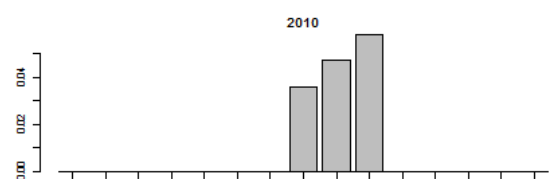
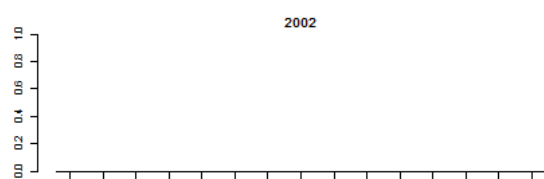
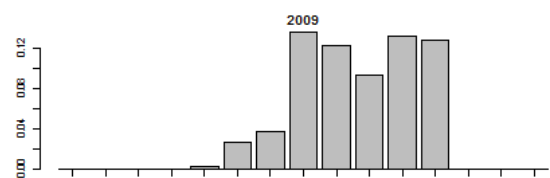
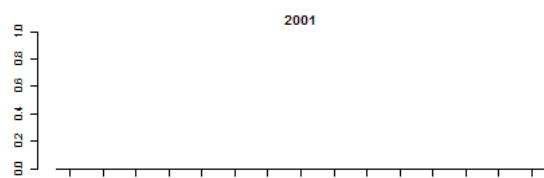
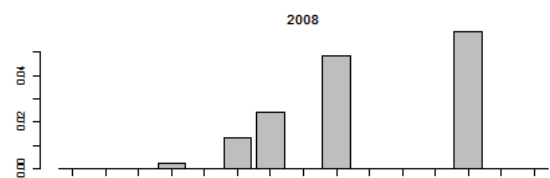
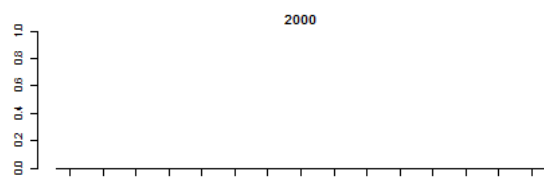
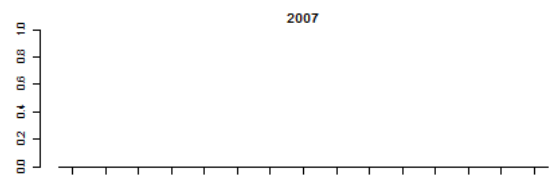
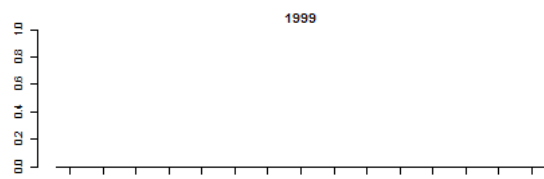
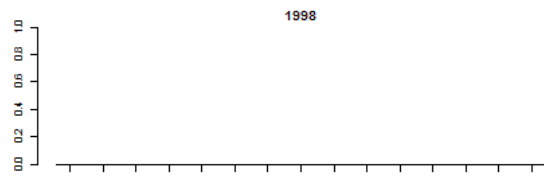
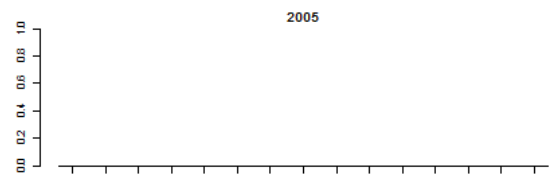
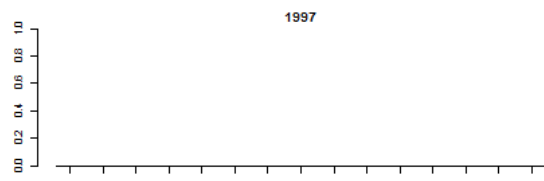


Nieuwe Merwede (bemonstering vanaf 1997)

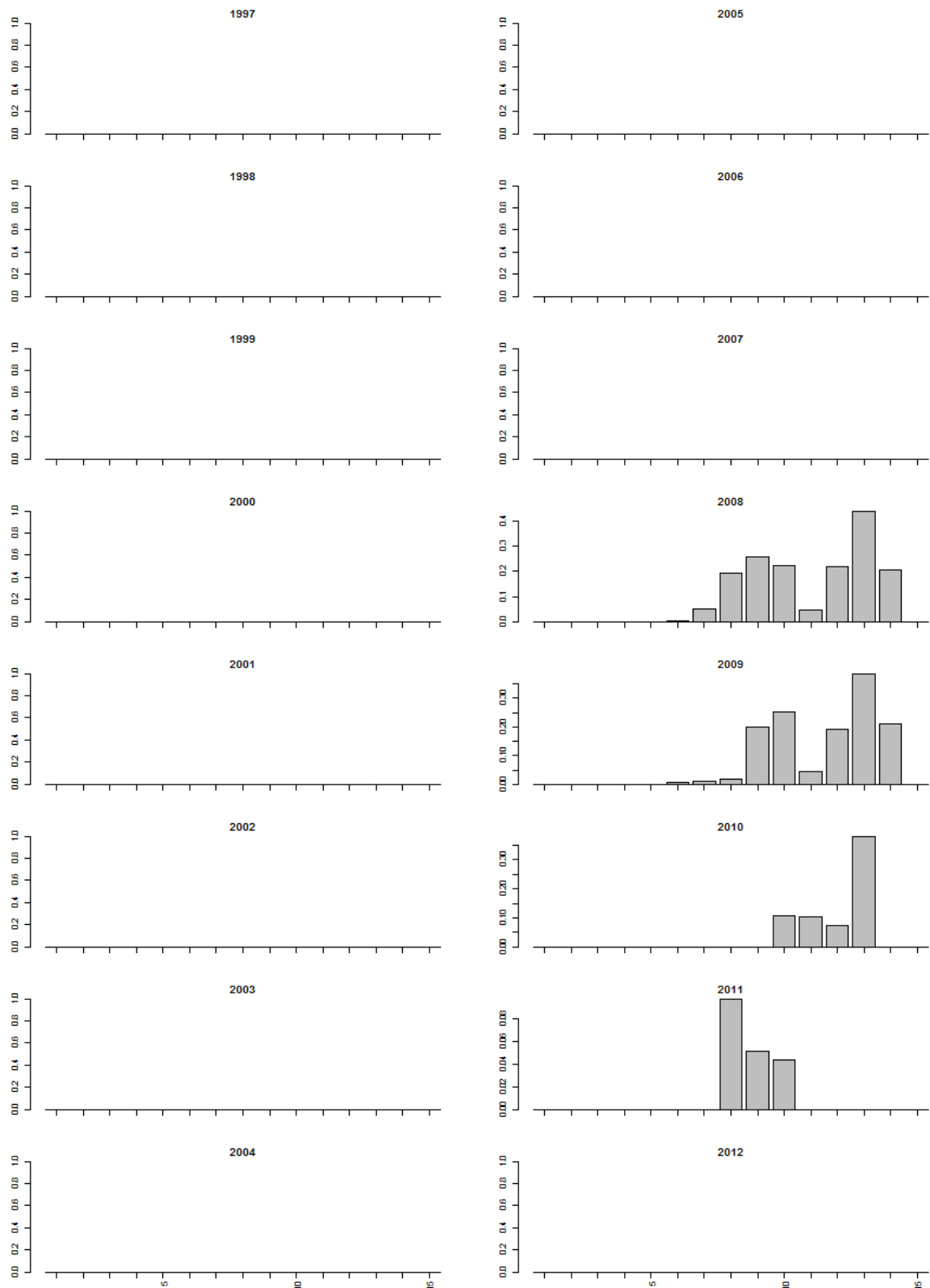


Noordzeekanaal (alleen bemonsterd in 2009 en 2012). Geen witvingrondel gevangen.

Oude Maas (bemonstering vanaf 1997)



Rijn (bemonstering vanaf 1997)



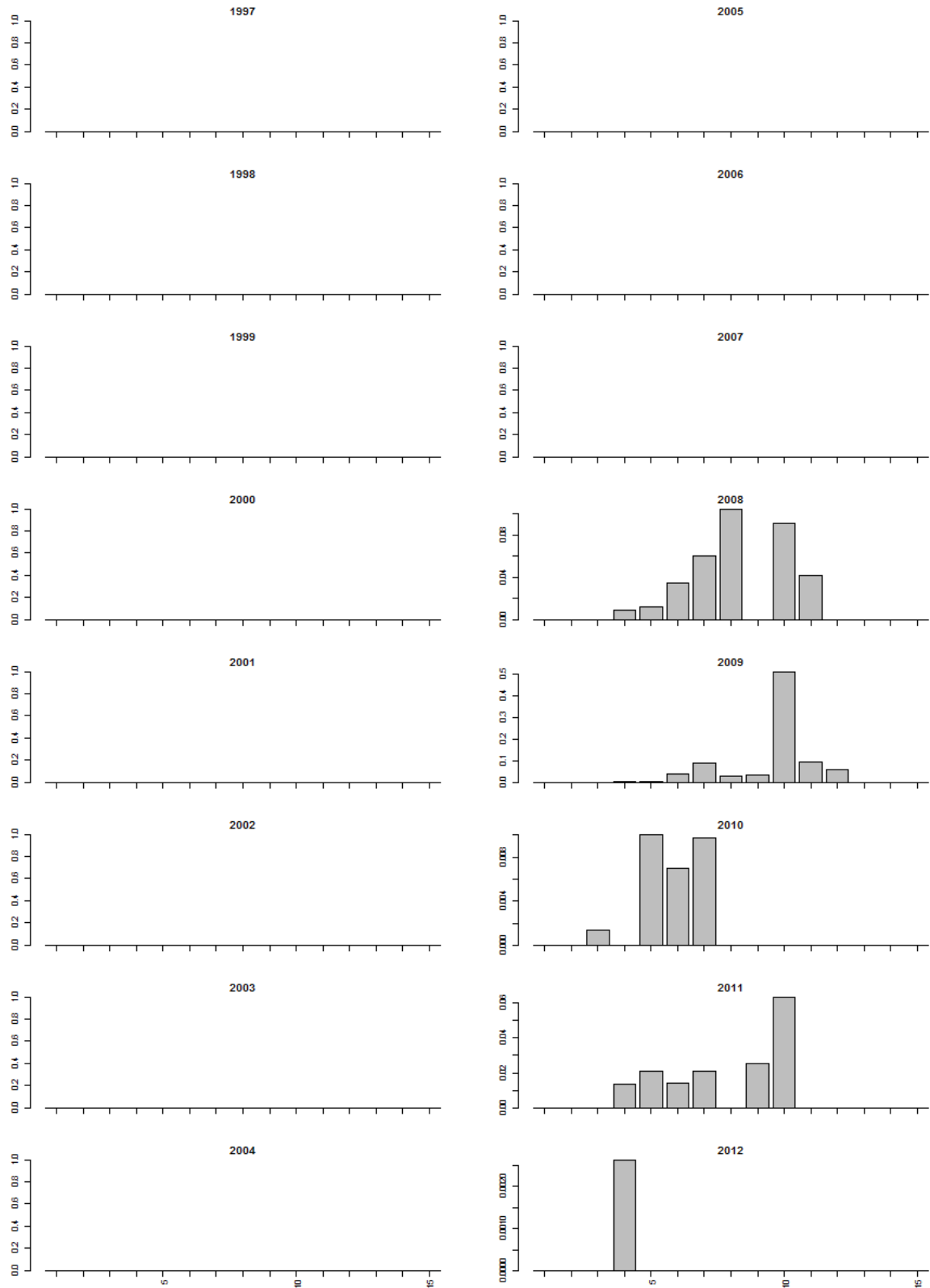
Twentekanaal (alleen bemonsterd in 2009)

Geen witvingrondel gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)

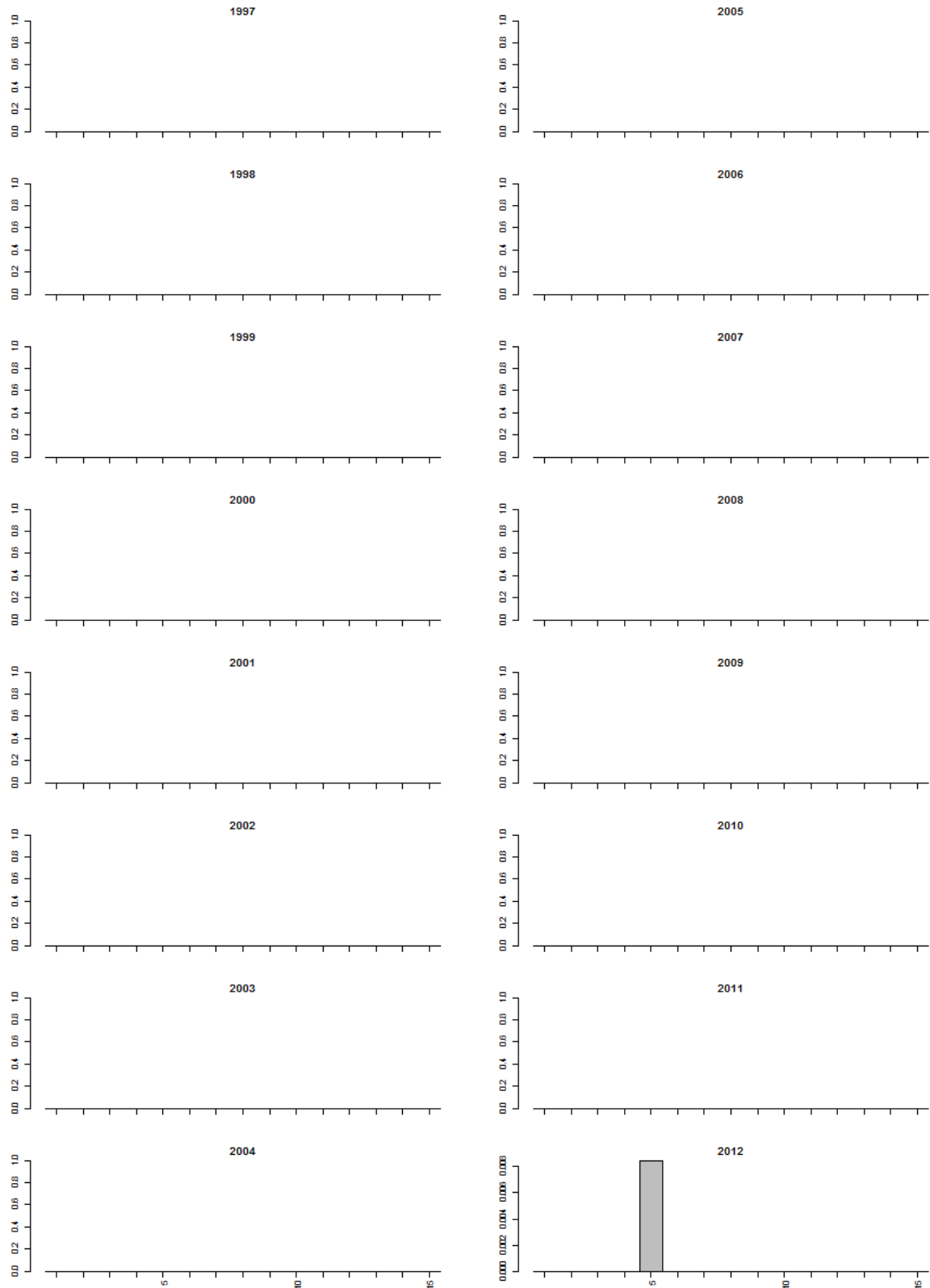
Geen witvingrondel gevangen.

Zandmaas (bemonstering vanaf 2008)

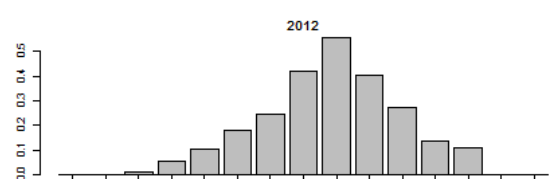
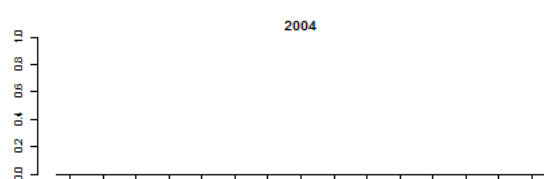
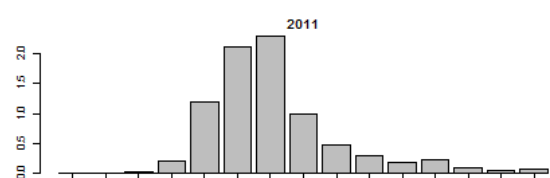
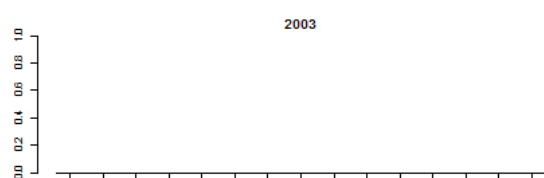
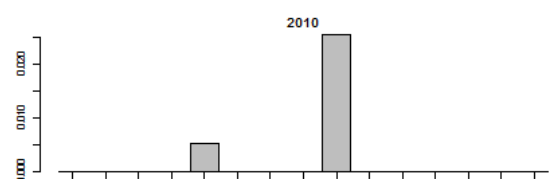
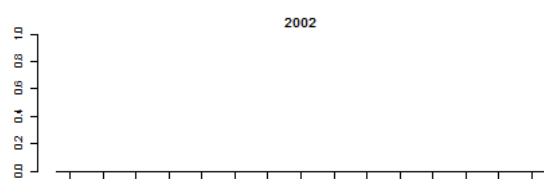
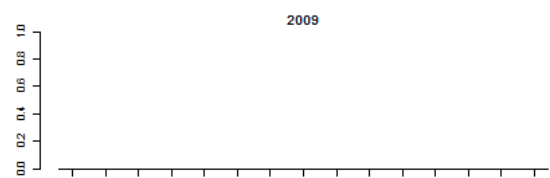
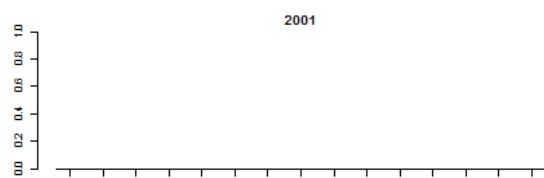
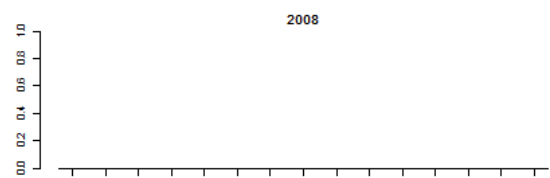
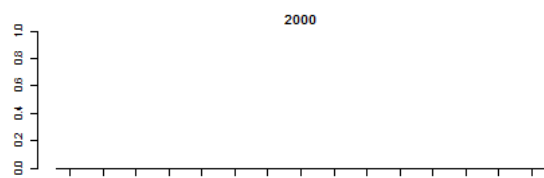
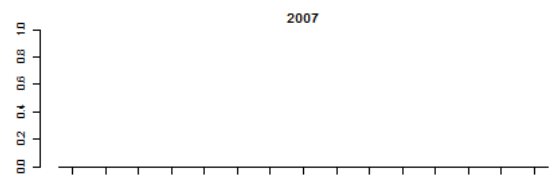
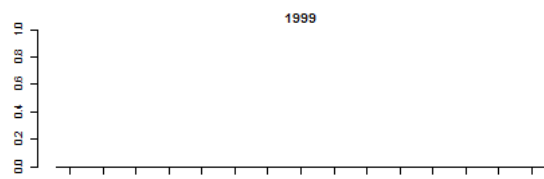
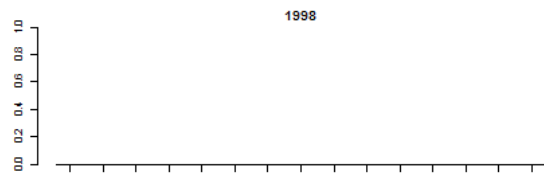
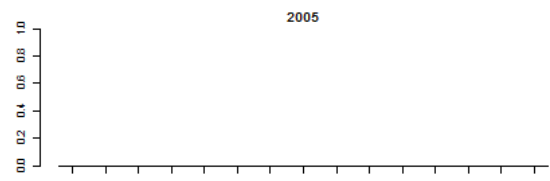
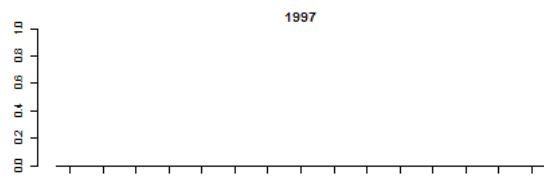


Figuur VII.18 Zwartbekgrondel lengtefrequentie-verdeling actieve monitoring rivieren (schepnet en boomkor gecombineerd, CPUE biomassa)

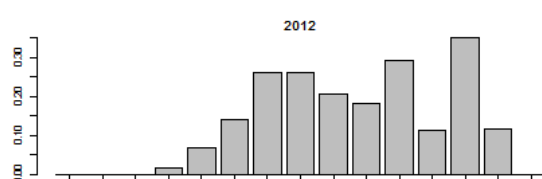
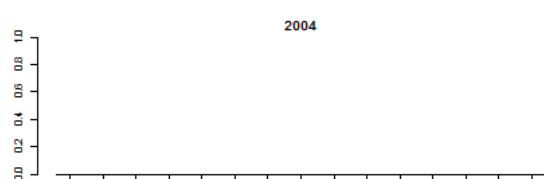
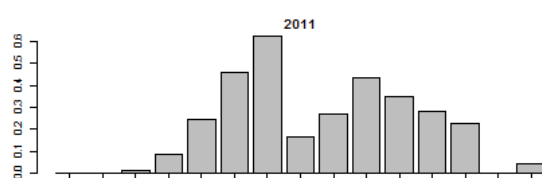
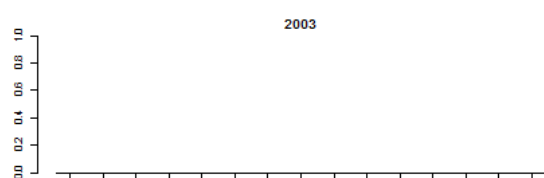
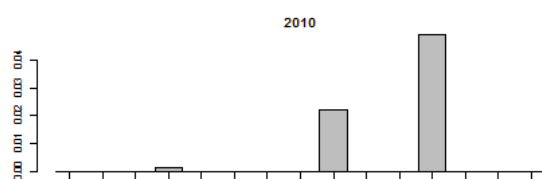
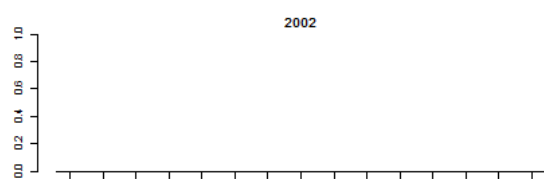
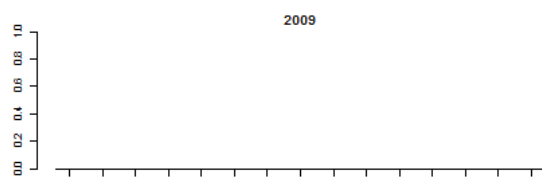
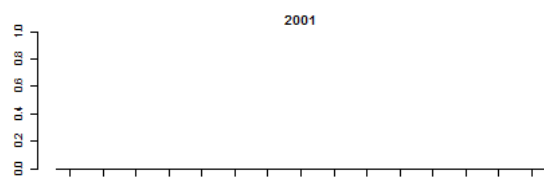
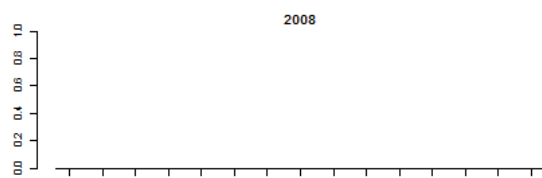
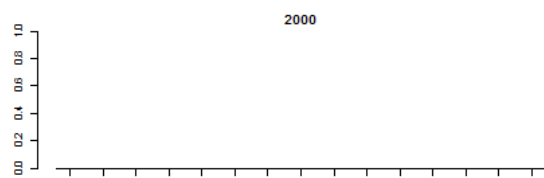
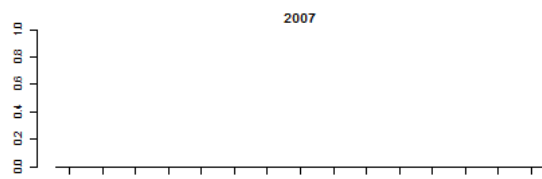
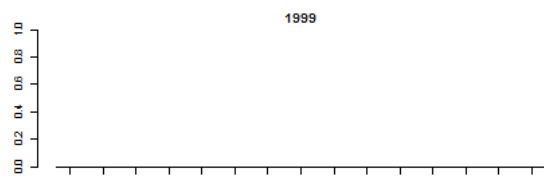
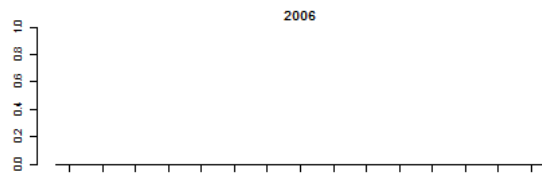
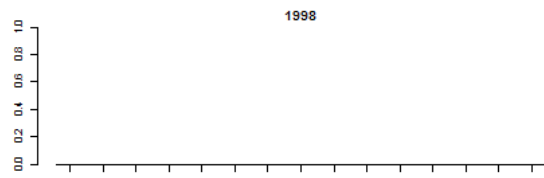
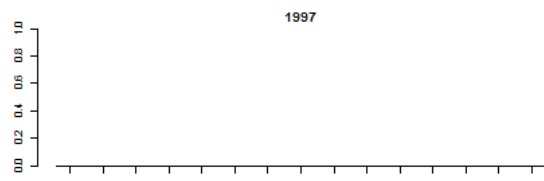
Benedenloop Gelderse IJssel (bemonstering vanaf 1997)



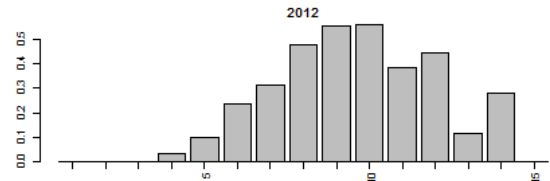
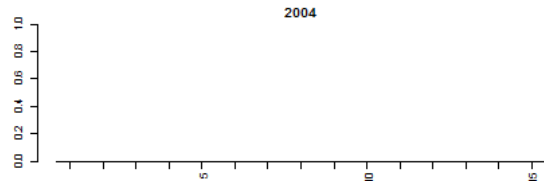
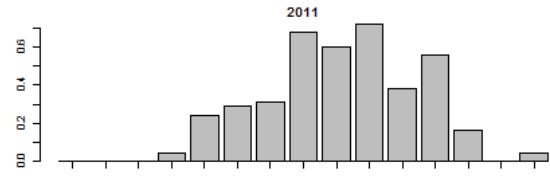
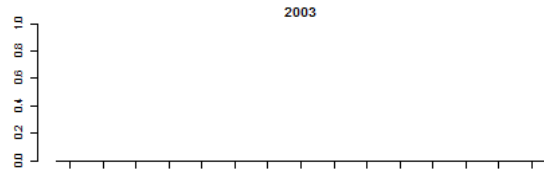
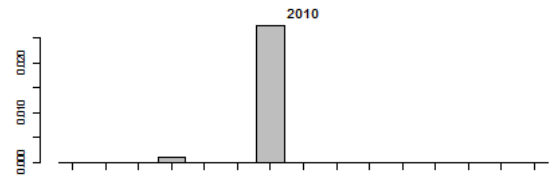
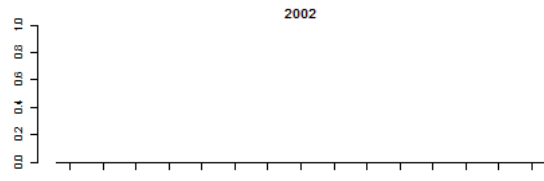
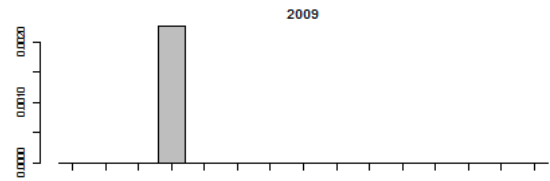
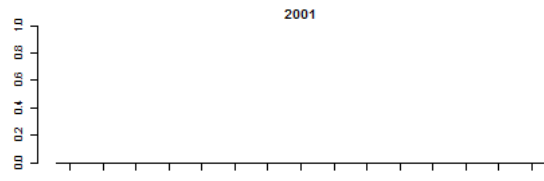
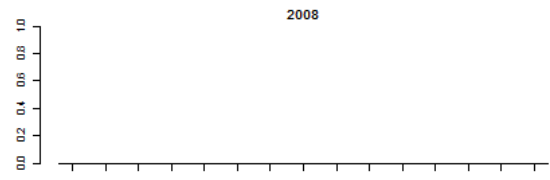
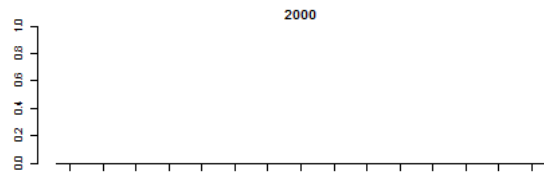
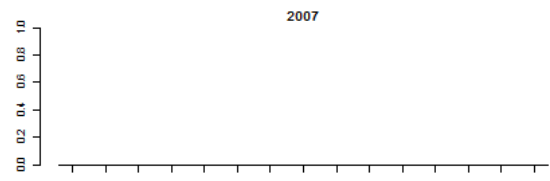
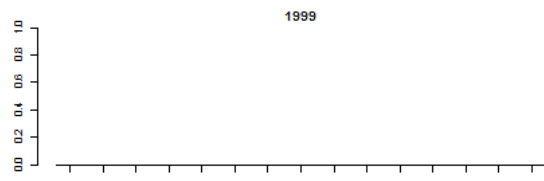
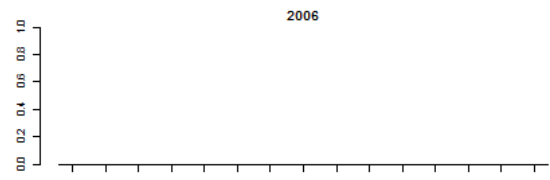
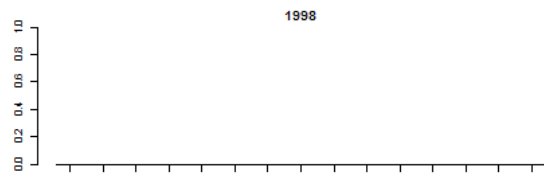
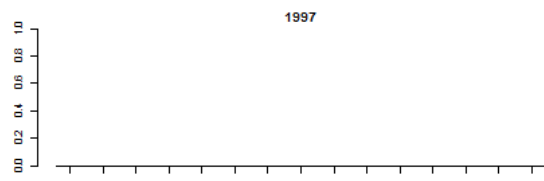
Bovenloop Gelderse IJssel (bemonstering vanaf 1997)



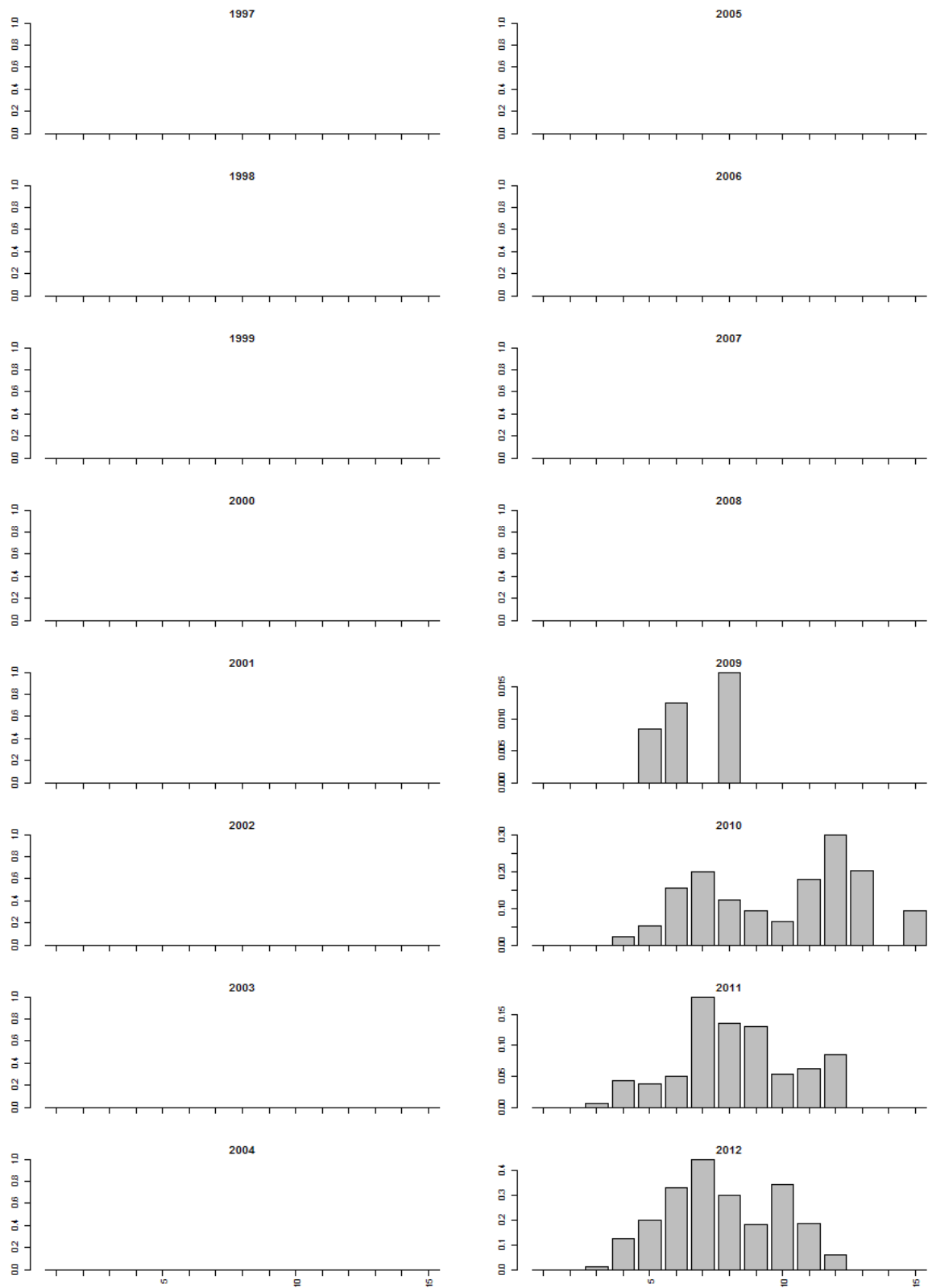
Bovenloop Nederrijn (bemonstering vanaf 1997)



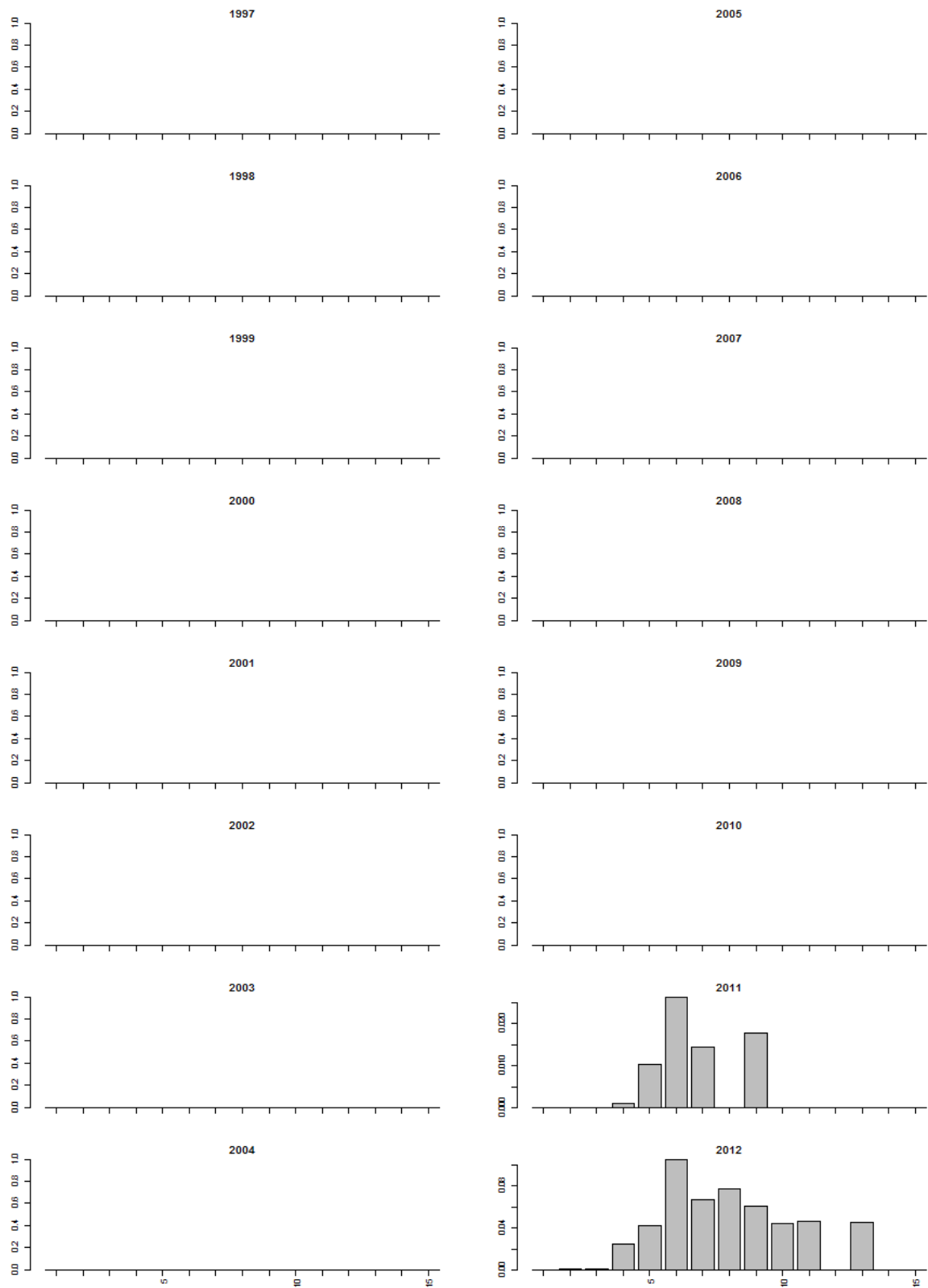
Bovenloop Waal (bemonstering vanaf 1997)



Getijden Lek (bemonstering vanaf 1998) (bemonstering vanaf 1997)



Getijden Maas (bemonstering vanaf 1998) (bemonstering vanaf 1997)



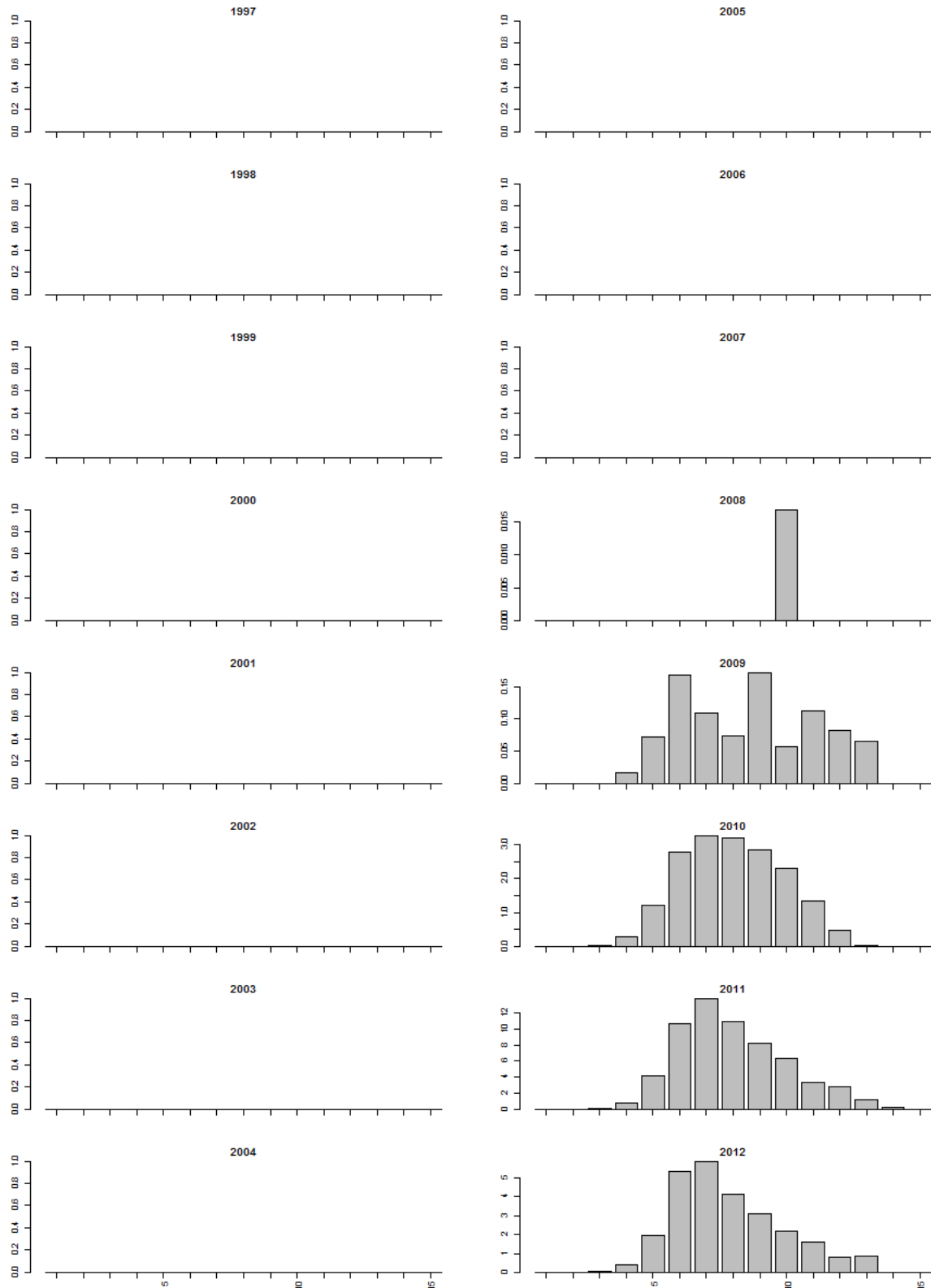
Grensmaas (bemonstering vanaf 1997)

Geen zwartbekgrondel gevangen.

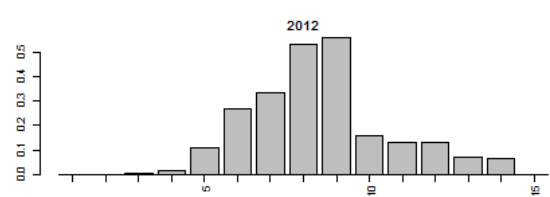
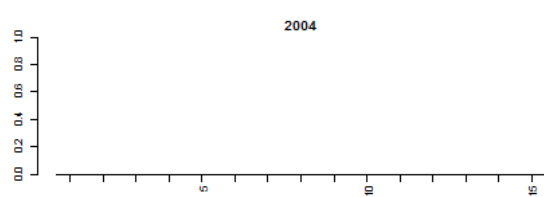
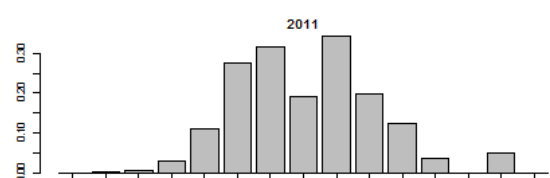
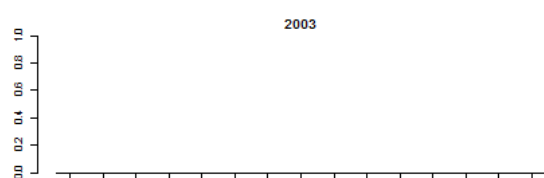
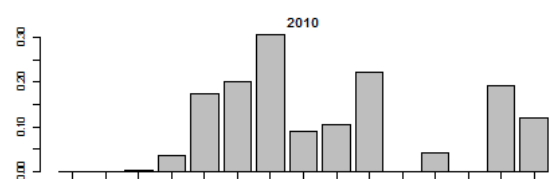
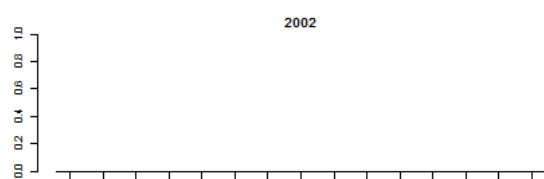
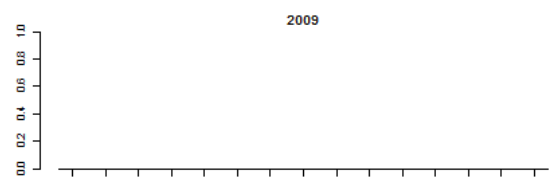
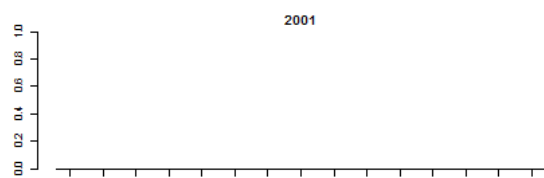
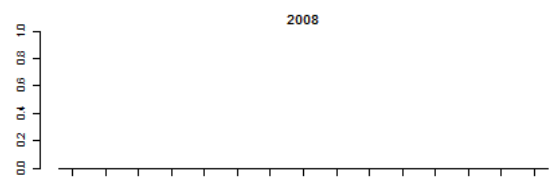
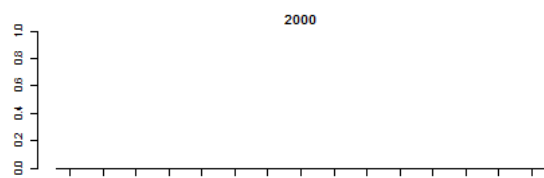
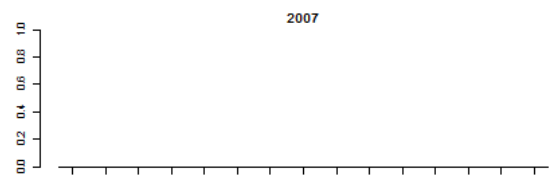
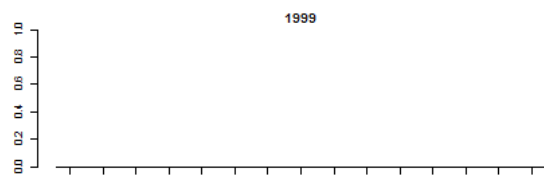
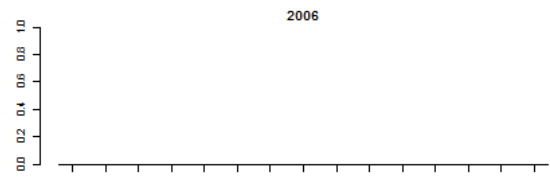
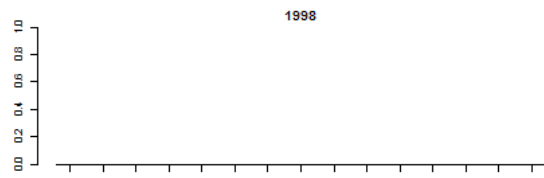
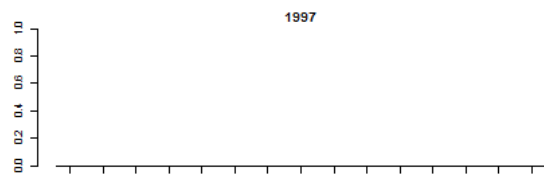
Grevelingen (alleen bemonsterd in 2008 en 2011)

Geen zwartbekgrondel gevangen.

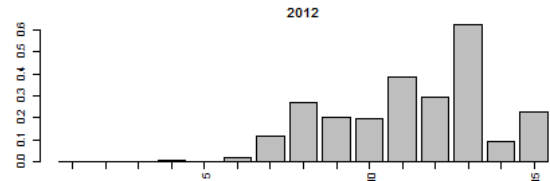
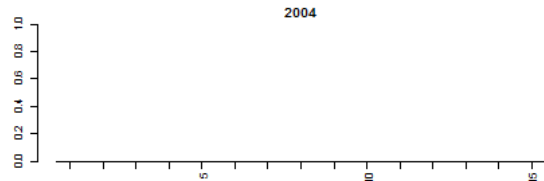
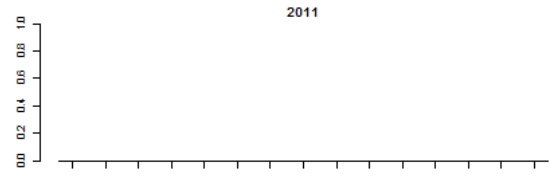
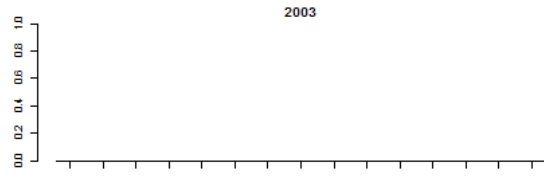
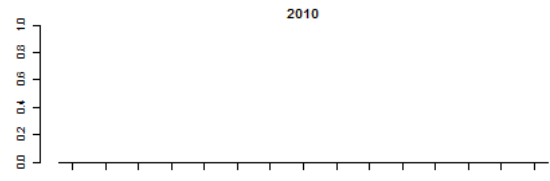
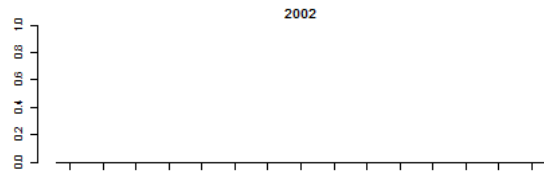
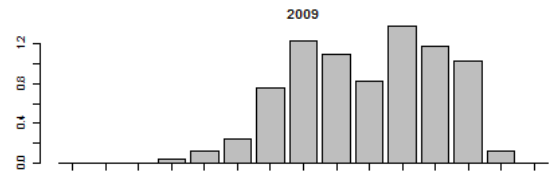
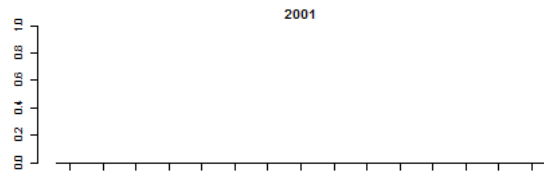
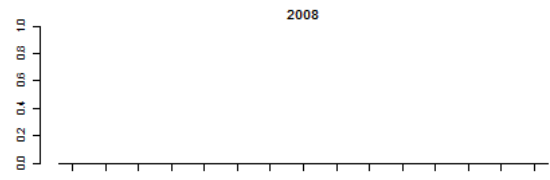
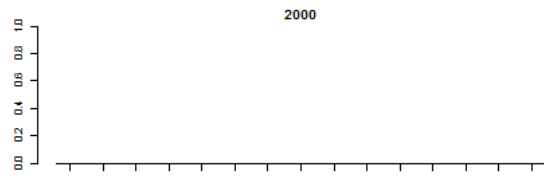
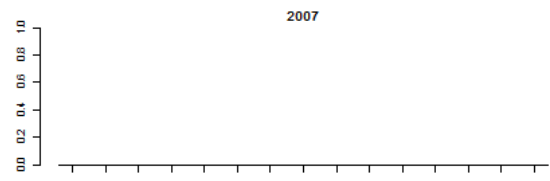
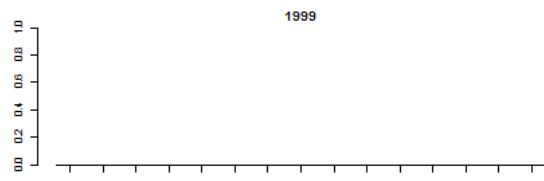
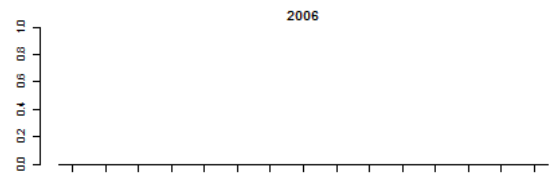
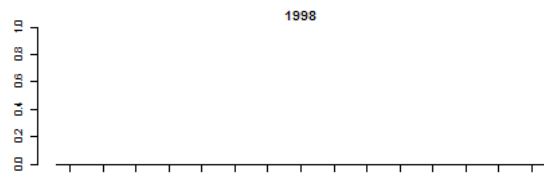
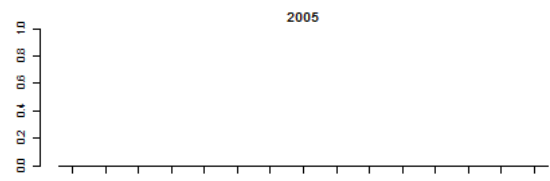
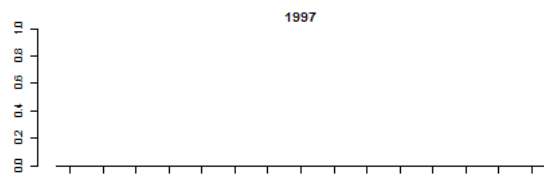
Hollands diep (bemonstering vanaf 1997)



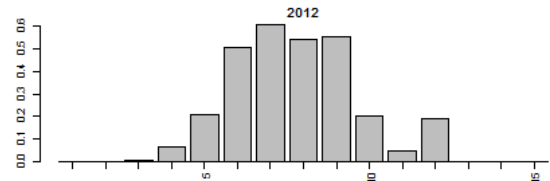
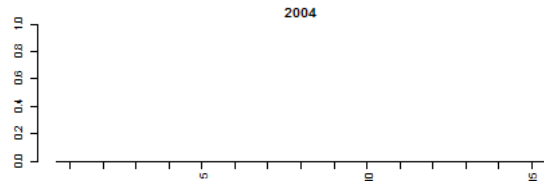
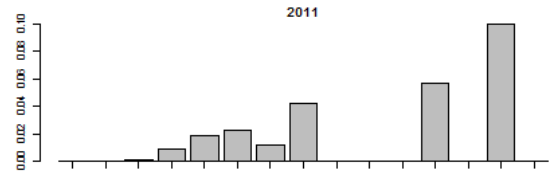
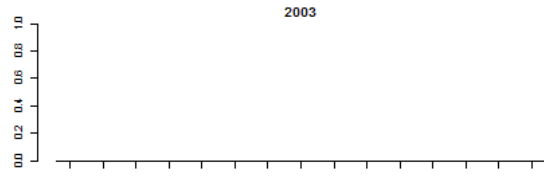
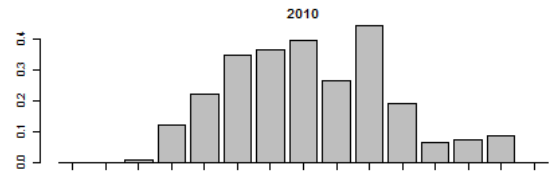
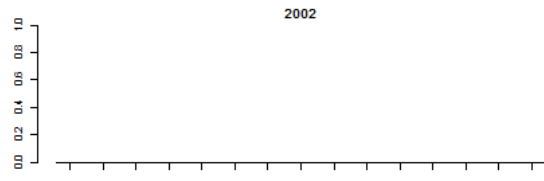
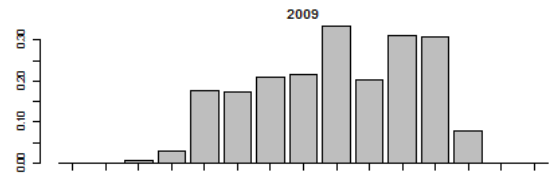
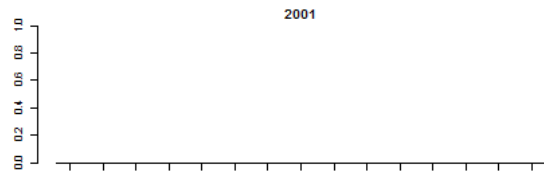
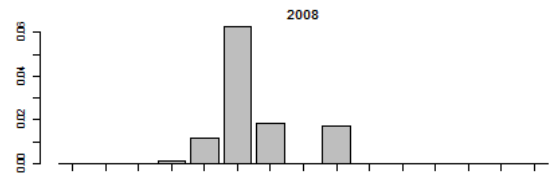
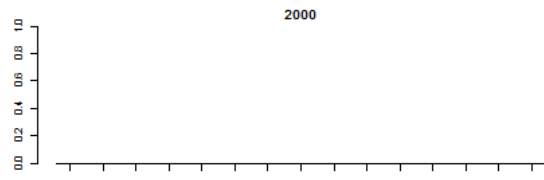
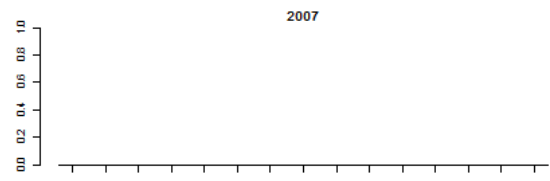
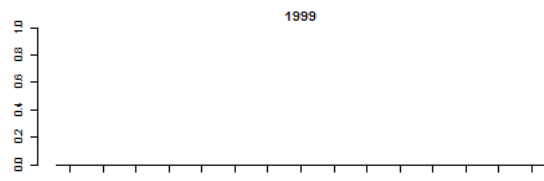
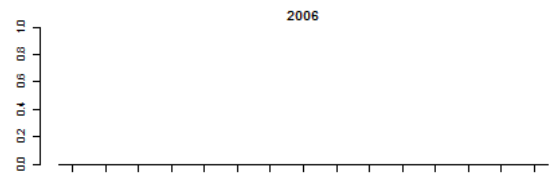
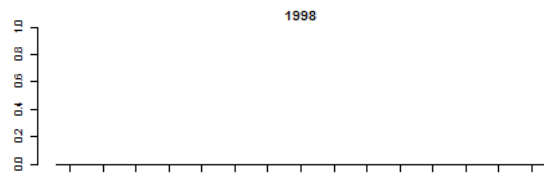
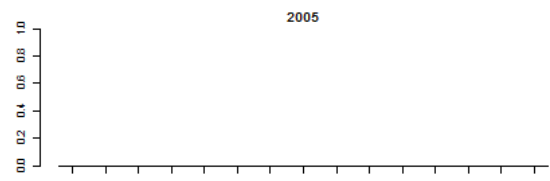
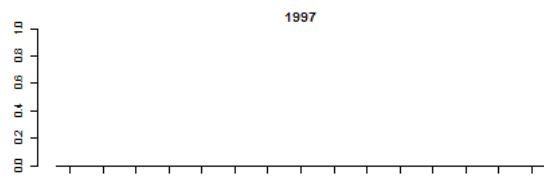
Nieuwe Merwede (bemonstering vanaf 1997)



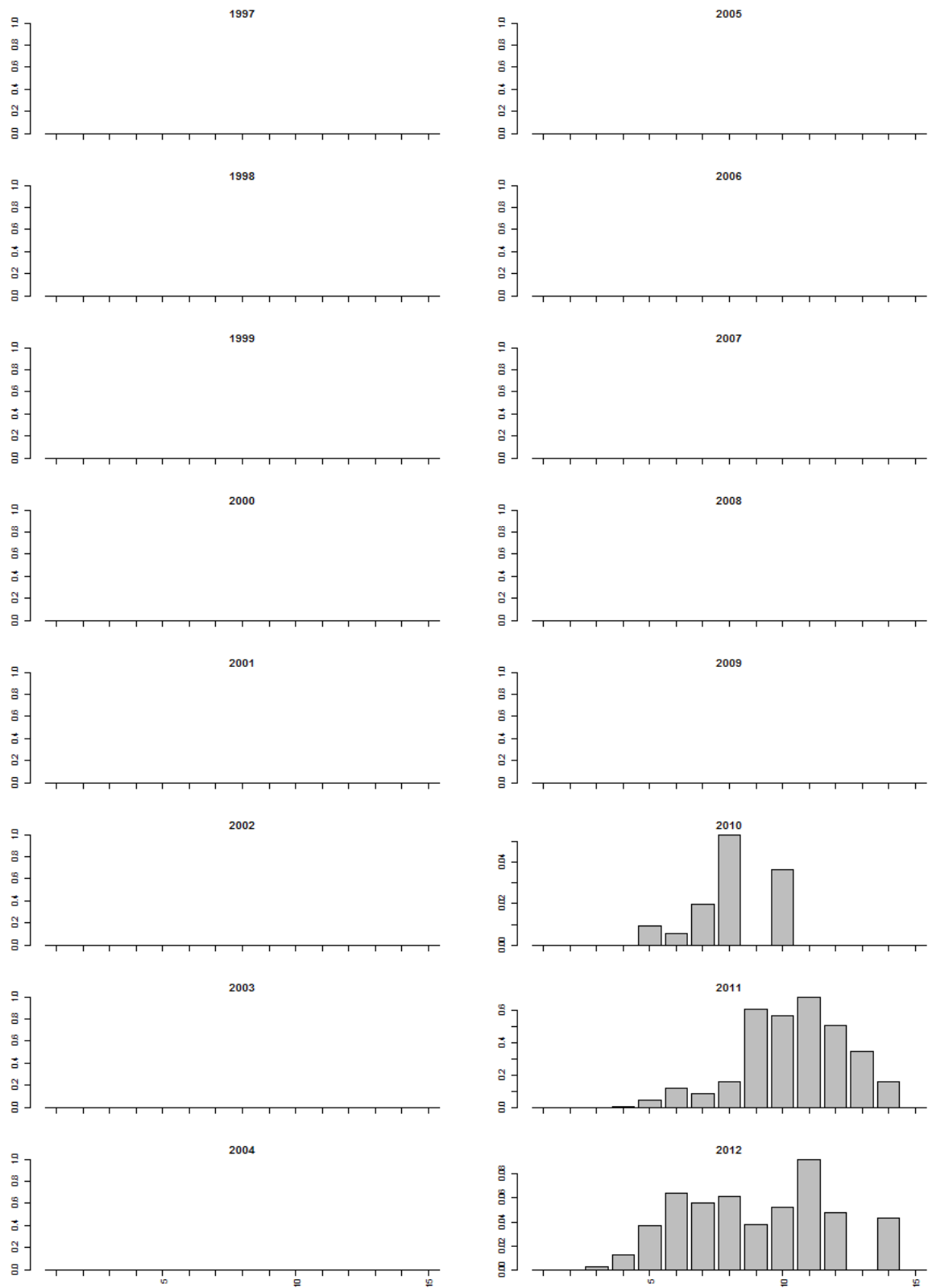
Noordzeekanaal (alleen bemonsterd in 2009 en 2012)



Oude Maas (bemonstering vanaf 1997)



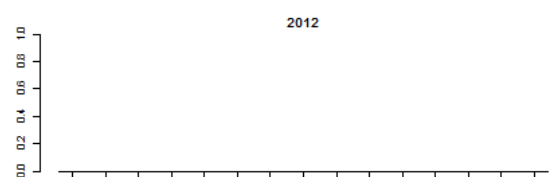
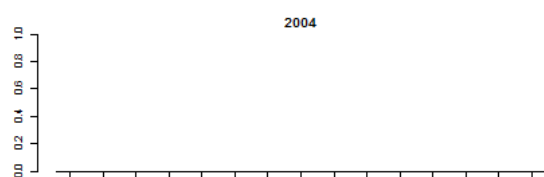
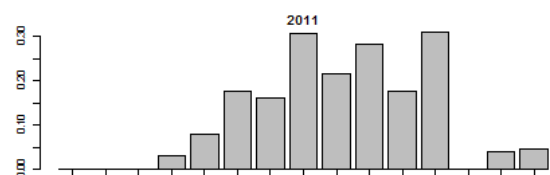
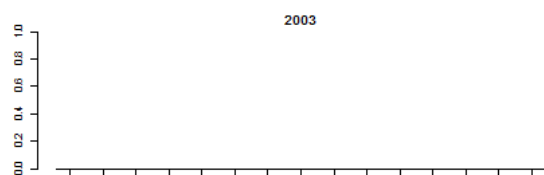
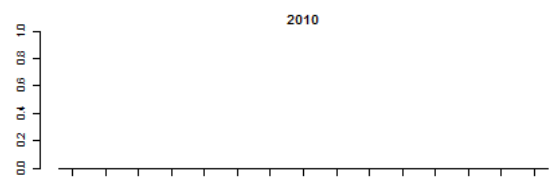
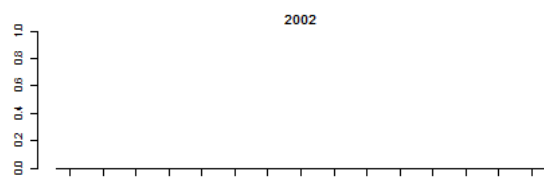
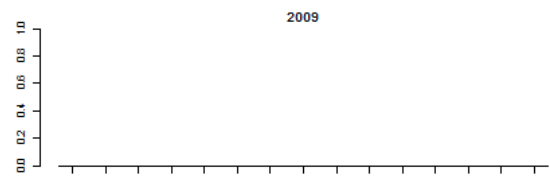
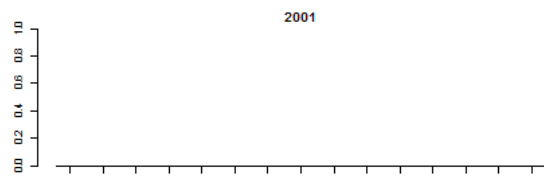
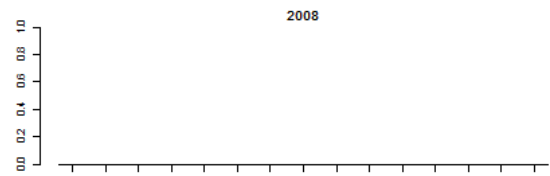
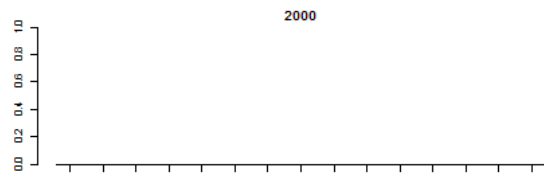
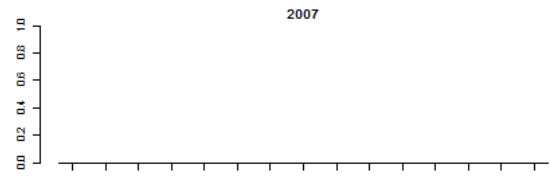
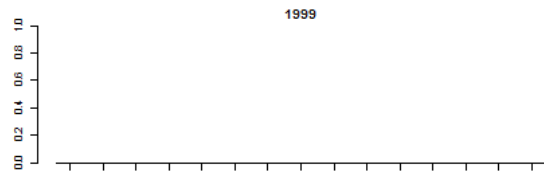
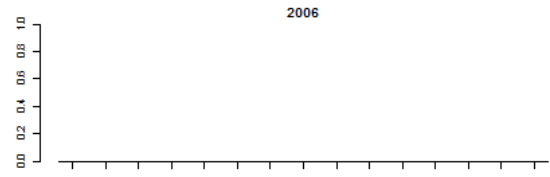
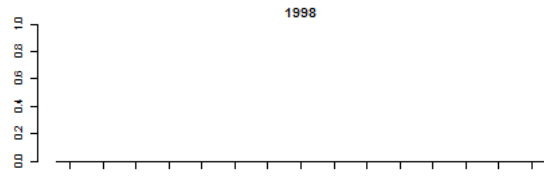
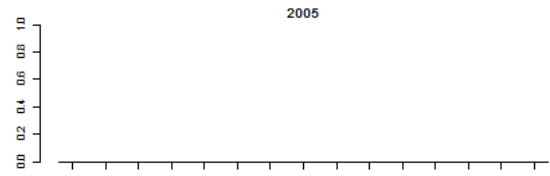
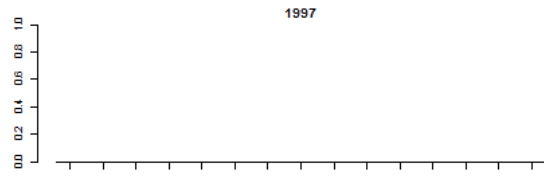
Rijn (bemonstering vanaf 1997)



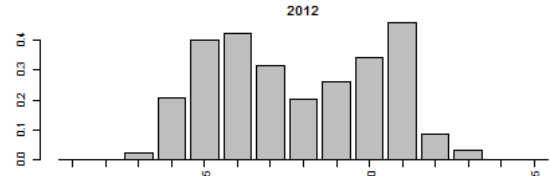
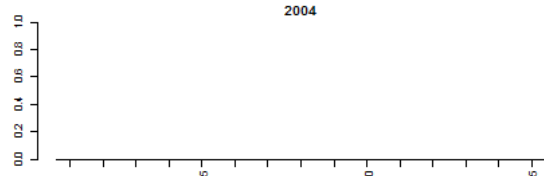
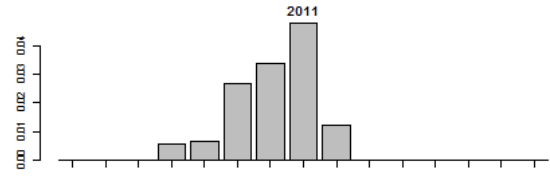
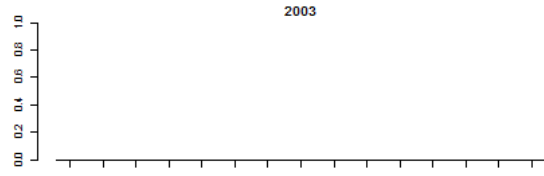
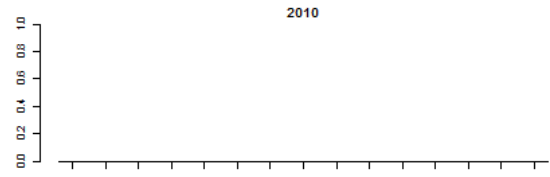
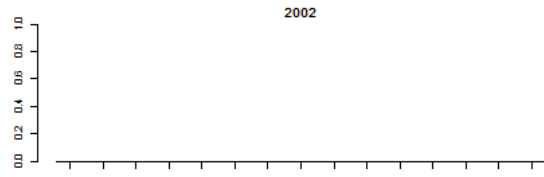
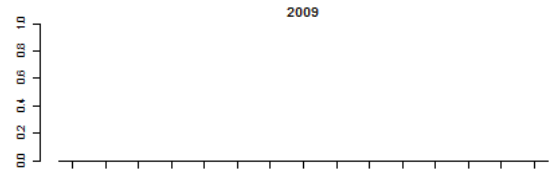
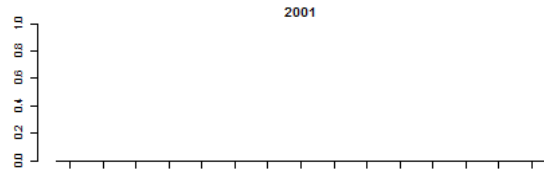
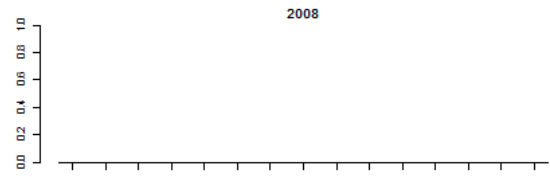
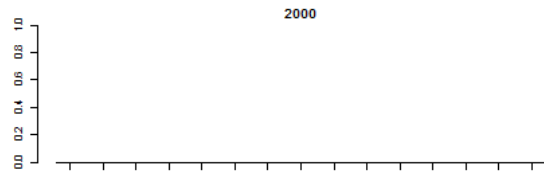
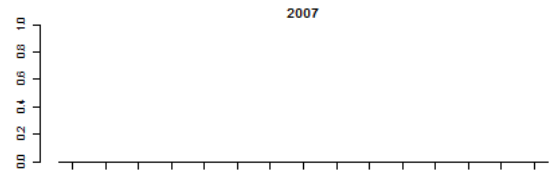
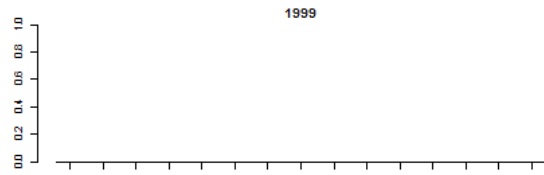
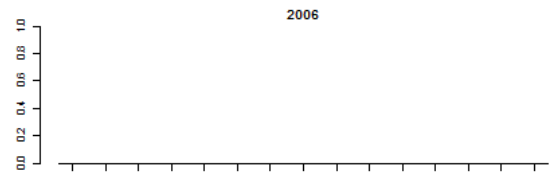
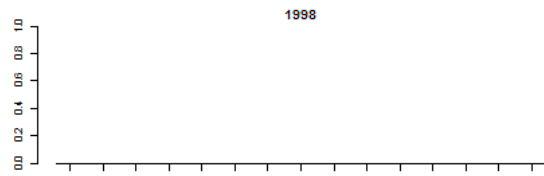
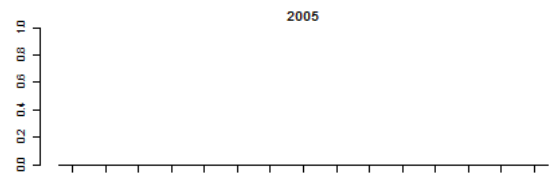
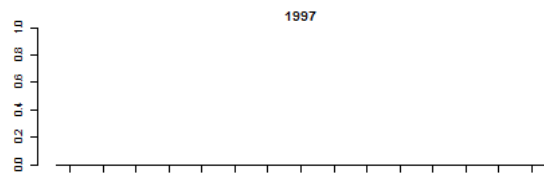
Twentekanaal (alleen bemonsterd in 2009)

Geen zwartbekgrondel gevangen.

Volkerak (alleen bemonsterd in 1997, 2008, 2011)



Zandmaas (bemonstering vanaf 2008)



Bijlage VIIIa. Vangstgegevens fuikenmonitoring in de rivieren en delta in 2011

Tabel VIIIa.1 Aantal geregistreerde zoetwatervissen per soort per gebied in 2011 in de fuikenmonitoring

soort	01 (IJsselmeer)	02 (IJsselmeer)	03 (Markermeer)	04 (Markermeer)	05 (IJmeer)	07 (Veluwemeer)	08 (Wolderwijd)	09 (Gooi- Eemmeer)	14 (Zwartemeer)	30 (Zoommeer)	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)	Totaal
aal	1198	1749	4478	1131	1538	733	241	379	627	3050	190	155	1970	17439
alver	5	13	38	6	135	57	27							281
barbeel	1	1												2
bot	101	56	36	18	220	1	3	1	6	19	231	226	279	1197
diklipharder													9	9
driedoornige stekelbaars		86		3	1846		2			7		103	4	2051
fint	4	1									35			40
giebel		1					11		1	2				15
graskarper							1	1						2
grote modderkruiper									3					3
harder	3		1	1	1					19	37	80		142
ongespecificeerd houting	90	8	12		7		4				3			124
karper		1	42	2	9	15	2	3	30					104
kleine modderkruiper									8					8
kolblei			22	15		152	26	2	13					230
kroeskarper			7				2	1						10
kwabaal	2								5					7
meerval		1	2	2	44			1		1				51
regenboogforel													1	1
rivierdonderpad	1	1							7	6				15
riviergrondel										5				5
rivierprik	1	5	2	3	11			1				45		68
roofblei	4		5	1			7	2		2				21
ruisvoorn			27	2	1	139	13	3	8					193
snoek	2		28	1	4	10	45	6	3	1				100
spiering			0		12868						73	273		13214
steurachtigen	1													1
tiendoornige stekelbaars							1							1
winde		10	44	7	29	1		1	11	2				105
zalm	3										6			9
zeeforel	22										1			23
zeelt			9	4	10	25	5	2	9	1				65
zeeprik	30	1			4					1	7	17		60
zonnebaars							2							2
zwartbekgrondel		3		4					3	48				58
totaal	1468	1937	4753	1200	16727	1133	392	403	734	3164	583	899	2263	35656

Tabel VIIIa.2 Aantal geregistreerde zoutwatervissen per soort per gebied in 2011 in de fuikenmonitoring

soort	32(Haringvliet est.)	34(Haringvliet est.)	36(Veerse meer)	Totaal
botervis			3	3
geep	6		1	7
griet			2	2
groene zeedonderpad			70	70
grote zeenaald	2	11		13
haring	1	69	43	113
horsmakreel	2	8		10
kleine pieterman	2			2
koornaarvissen		27	15	42
makreel			2	2
puitaal	78	133	28	239
schol		1	105	106
sprot	34	332		366
steenbolk	24		2	26
tong	13	3	9	25
vorskwab			18	18
wijting	2	12	201	215
zandspiering			1	1
zeebaars	195	113	4	312
zeedonderpad	5	14	12	31
zwarte grondel	92		18	110
totaal	456	723	534	1713

Tabel VIIIa.3 Aantal geregistreerde overige soorten per soort per gebied in 2011 in de fuikenmonitoring

soort	01(IJsselmeer)	02(IJsselmeer)	03(Markermeer)	04(Markermeer)	05(IJmeer)	07(Veluwemeer)	08(Wolderwijd)	09(Gooi- Eemmeer)	14(Zwartemeer)	30(Zoommeer)	32(Haringvliet est.)	34(Haringvliet est.)	36(Veerse meer)	Totaal
chinese wolhandkrab	812	358	152	113	142	1	4	14	15	731	398	253		2993
gevl. am. rivierkreeft		48	44	58	138	632	193		91					1204
gewone zwemkrab													2	2
strandkrab											314	112	5067	5493
zeekreeft													4	4
totaal	812	406	196	171	280	633	197	14	106	731	712	365	5073	9696

Tabel VIIIa.4 CPUE (aantal per fuiketmaal)geregistreerde zoetwatervissen per soort per gebied in 2011 in de fuikenmonitoring

soort	01 (IJsselmeer)	02 (IJsselmeer)	03 (Markermeer)	04 (Markermeer)	05 (IJmeer)	07 (Veluwemeer)	08 (Wolderwijd)	09 (Gooi- Eemmeer)	14 (Zwartemeer)	30 (Zoommeer)	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)
aal	2.24	3.72	9.15	2.4	3.09	2.13	1.29	0.84	1.18	6.6	2.27	0.58	3.57
alver	0.06	0.19	0.12	0.12	0.53	0.33	0.33						
barbeel	0.04	0.07											
bot	0.29	0.15	0.09	0.07	0.47	0.07	0.03	0.04	0.07	0.12	3.16	0.83	0.62
diklipharder													0.15
driedoornige stekelbaars		0.7		0.22	10.96		0.05			0.12		0.97	0.18
fint	0.04	0.07									1		
giebel		0.07					0.07		0.1	0.06			
graskarper							0.04	0.04					
grote modderkruiper									0.07				
harder ongespecificeerd	0.04		0.04	0.04	0.04					0.12	0.46	0.51	
houting	0.18	0.08	0.07		0.04		0.03				0.39		
karper		0.07	0.09	0.06	0.08	0.12	0.02	0.04	0.16				
kleine modderkruiper									0.08				
kolblei			0.08	0.09		0.62	0.17	0.04	0.06				
kroeskarper			0.07				0.03	0.04					
kwabaal	0.03								0.06				
meerval		0.04	0.04	0.07	0.15			0.04		0.03			
regenboogforel													0.17
rivierdonderpad	0.04	0.06							0.07	0.08			
riviergrondel										0.07			
rivierprik	0.04	0.06	0.08	0.07	0.05			0.04				0.5	
roofblei	0.04		0.05	0.07			0.07	0.03		0.08			
ruisvoorn			0.08	0.07	0.03	0.46	0.05	0.05	0.09				
snoek	0.03		0.08	0.07	0.03	0.07	0.21	0.04	0.08	0.04			
spiering			0		27.04						2.08	1.51	
steurachtigen	0.03												
tiendoornige stekelbaars							0.02						
winde		0.07	0.11	0.07	0.08	0.07		0.04	0.08	0.04			
zalm	0.03										0.35		
zeeforel	0.05										0.13		
zeelt			0.05	0.05	0.03	0.13	0.03	0.04	0.06	0.03			
zeeprik	0.1	0.03			0.04					0.04	0.25	0.19	
zonnebaars							0.03						
zwartbekgrondel		0.05		0.06					0.06	0.21			

Tabel VIIIa.5 CPUE (aantal per fuiketmaal) geregistreerde zoutwatervissen per soort per gebied in 2011 in de fuikenmonitoring

soort	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)
botervis			0.15
geep	0.24		0.14
griet			0.15
groene zeedonderpad			0.41
grote zeenaald	0.20	0.28	
haring	0.50	0.34	0.47
horsmakreel	0.40	0.19	
kleine pieterman	0.25		
koornaarvissen		1.02	0.60
makreel			0.13
puitaal	1.59	0.61	0.16
schol		0.14	0.69
sprot	3.50	1.42	
steenbolk	3.63		0.13
tong	0.69	0.22	0.25
vorskwab			0.23
wijting	0.19	0.40	0.69
zandspiering			0.14
zeebaars	2.82	0.64	0.18
zeedonderpad	0.21	0.20	0.29
zwarte grondel	2.12		0.19

Tabel VIIIa.6 CPUE (aantal per fuiketmaal) geregistreerde overige soorten per soort per gebied in 2011 in de fuikenmonitoring

soort	01 (IJsselmeer)	02 (IJsselmeer)	03 (Markermeer)	04 (Markermeer)	05 (IJmeer)	07 (Veluwemeer)	08 (Wolderwijd)	09 (Gooi- Eemmeer)	14 (Zwartemeer)	30 (Zoommeer)	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)
chinese wolhandkrab	1.68	0.81	0.35	0.27	0.31	0.07	0.03	0.10	0.08	2.08	4.95	1.14	
gevl. am. rivierkreeft		0.13	0.12	0.15	0.30	2.01	1.33		0.22				
gewone zwemkrab													0.29
strandkrab											5.82	2.69	102.19
zeekreeft													0.21

Bijlage VIIIb. Vangstgegevens fuikenmonitoring in de rivieren en delta 2012

Tabel VIIIb.1 Aantal geregistreerde zoetwatervissen per soort per gebied in 2012 in de fuikenmonitoring

soort	02 (IJsselmeer)	03 (Markermeer)	05 (IJmeer)	07 (Veluwemeer)	08 (Wolderwijd)	09 (Gooi-Eemmeer)	14 (Zwartemeer)	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)	Totaal
aal	1792	2997	1323	414	532	268	441	217	165	576	8725
alver	7	23	332	104	7						473
baars*	7687	61	5824	307	154	483	58				14574
bermpje					1						1
bittervoorn				2	4						6
blankvoorn*	167	250	415	226	154	81	58				1351
bot	52	24	122	1	8	1	6	325	399	40	978
brasem*	32	97	153	116	154	49	9				610
driedoornige stekelbaars	118		2606	4	13		2469		113		5323
fint								115			115
giebel				1	10						11
goudvis					1						1
grote modderkruiper							3				3
harder ongespecificeerd		3	3			1		34	174		215
houting	12	18	8		5			4			47
karper		21	2	34	3	6	2				68
kleine modderkruiper							16				16
kolblei		16		61	37	4	9				127
kroeskarper		2				1					3
kwabaal							4				4
meerval		2	3								5
pos*	1934	817	1585	478	37	197	193				5241
rivierdonderpad			100				3				103
riviergrondel					3						3
rivierprik	1		4				1	1	51		58
roofblei		32	1	5	5	1	1				45
ruisvoorn		24	1	133	29	5	7				199
serpeling					1						1
snoek		27	1	31	414	13	5				491
snoekbaars*	784	47	1585	74	10	31	6				2537
spiering			745					166	278		1189
tiendoornige stekelbaars					5						5
winde	13	9	67	11			4				104
zalm								14	2		16
zeeforel	1								6		7
zeelt	1	12	2	14	3	3	7				42
zeeprik	3		2		1			6	59		71
zonnebaars					1						1
zwartbekgrondel	56		7112		2	9	7				7186
Grand Total	12660	4482	21996	2016	1594	1153	3309	882	1247	616	49955

*geregistreerd in aantalscategorieën. Het laagste aantal van de categorie is gebruikt voor de berekening

Tabel VIIIb.2 Aantal geregistreerde zoutwatervissen per soort per gebied in 2012 in de fuikenmonitoring

soort	32(Haringvliet est.)	34(Haringvliet est.)	36(Veerse meer)	Totaal
adderzeenaald			1	1
geep		7		7
griet			2	2
groene zeedonderpad			7	7
grondel		152		152
grote zeenaald		10	1	11
haring	60	54	102	216
kabeljauw			2	2
koornaarvissen		98	3	101
puitaal	4	176	62	242
schol		1	52	53
snotolf		5		5
sprot	60	651		711
steenbolk	1		3	4
tong	1	5	7	13
vorskwab		13	3	16
wijting			22	22
zandspiering		23		23
zeebaars	113	182	6	301
zeedonderpad	3	27	18	48
zwarte grondel	80		23	103
totaal	322	1404	314	2040

Tabel VIIIb.3 Aantal geregistreerde overige soorten per soort per gebied in 2012 in de fuikenmonitoring

soort	02(IJsselmeer)	03(Markermeer)	05(IJmeer)	07(Veluwemeer)	08(Wolderwijd)	09(Gooi- Eemmeer)	14(Zwartemeer)	32(Haringvliet est.)	34(Haringvliet est.)	36(Veerse meer)	totaal
chinese wolhandkrab	136	77	49	4	8	8	29	461	258		1030
gevlekte Amerikaanse rivierkreeft	46	61	210	389	169		81				956
gewone zwemkrab								30			30
strandkrab								275		2177	2452
totaal	182	138	259	393	177	8	110	766	258	2177	4468

Tabel VIIIb.4 CPUE (aantal per fuiketmaal)geregistreerde zoetwatervissen per soort per gebied in 2012 in de fuikenmonitoring

soort	02(IJsselmeer)	03(Markermeer)	05(IJmeer)	07(Veluwemeer)	08(Woldervijld)	09(Gooi- Eemmeer)	14(Zwartemeer)	32(Haringvliet est.)	34(Haringvliet est.)	36(Veerse meer)
aal	3.6	6.18	3.78	1.15	1	0.65	0.95	1.83	0.44	2.19
alver	0.01	0.05	0.7	0.3	0.02					
baars	15.72	0.13	19.91	0.84	0.3	0.9	0.12			
bermpje					0					
bittervoorn				0	0.01					
blankvoorn	0.38	0.57	1	0.68	0.3	0.25	0.12			
bot	0.11	0.05	0.34	0	0.02	0	0.01	2.42	1.13	0.12
brasem	0.07	0.21	0.34	0.35	0.3	0.11	0.02			
driedoornige stekelbaars	0.27		14.03	0.01	0.02		5.24		0.35	
fint								0.87		
giebel				0	0.02					
goudvis					0					
grote modderkruiper							0.01			
harder ongespecificeerd		0.01	0.03			0		0.24	0.52	
houting	0.01	0.02	0.02		0			0.01		
karper		0.04	0	0.08	0.01	0.02	0			
kleine modderkruiper							0.03			
kolblei		0.04		0.18	0.08	0.01	0.02			
kroeskarper		0				0				
kwabaal							0.01			
meerval		0	0.02							
pos	3.84	1.77	11.86	1.7	0.07	1.27	0.4			
rivierdonderpad			1.06				0.01			
riviergrondel					0.01					
rivierprik	0		0.02				0	0.01	0.18	
roofblei		0.07	0	0.01	0.01	0	0			
ruisvoorn		0.05	0	0.37	0.06	0.01	0.01			
serpeling					0					
snoek		0.06	0	0.08	0.72	0.04	0.01			
snoekbaars	1.48	0.1	3	0.19	0.02	0.07	0.01			
spiering			3.23					1.97	0.86	
tiendoornige stekelbaars					0.01					
winde	0.03	0.02	0.17	0.03			0.01			
zalm								0.14	0.01	
zeeforel	0								0.02	
zeelt	0	0.03	0	0.05	0.01	0.01	0.01			
zeeprik	0.01		0		0			0.04	0.14	
zonnebaars					0					
zwartbekgrondel	0.11		15.14		0	0.02	0.01			

Tabel VIIIb.5 CPUE (aantal per fuiketmaal) geregistreerde zoutwatervissen per soort per gebied in 2012 in de fuikenmonitoring

soort	32 (Haringvliet est.)	34 (Haringvliet est.)	36 (Veerse meer)
adderzeenaald			0.00
geep		0.02	
griet			0.01
groene zeedonderpad			0.03
grondel		0.59	
grote zeenaald		0.02	0.00
haring	0.43	0.13	0.33
kabeljauw			0.00
koornaarvissen		0.34	0.01
puitaal	0.05	0.48	0.28
schol		0.00	0.17
snotolf		0.01	
sprot	0.64	1.89	
steenbolk	0.01		0.01
tong	0.01	0.02	0.02
vorskwab		0.05	0.01
wijting			0.10
zandspiering		0.07	
zeebaars	0.77	0.56	0.02
zeedonderpad	0.04	0.07	0.07
zwarte grondel	1.07		0.14

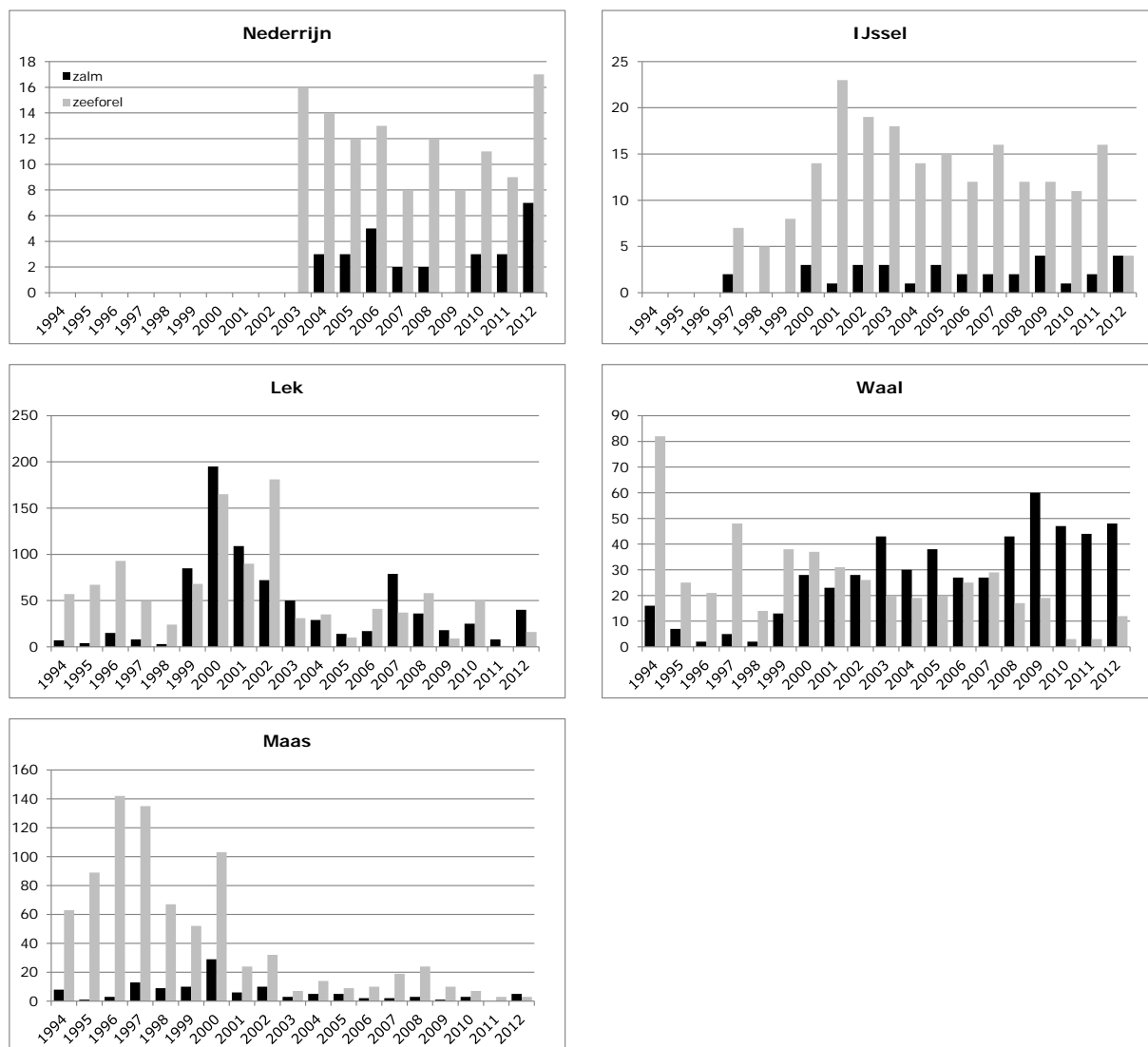
Tabel VIIIb.6 CPUE (aantal per fuiketmaal) geregistreerde overige soorten per soort per gebied in 2012 in de fuikenmonitoring

soort	01 (IJsselmeer)	02 (IJsselmeer)	03 (Markermeer)	04 (Markermeer)	05 (IJmeer)	07 (Veluwemeer)	08 (Wolderwijd)	09 (Gooi- Eemmeer)	14 (Zwartemeer)	30 (Zoommeer)
chinese wolhandkrab	0.31	0.17	0.14	0.01	0.02	0.05	0.06	3.81	0.68	
gevlekte Amerikaanse rivierkreeft	0.09	0.12	0.61	1.27	0.34		0.17			
gewone zwemkrab								0.21		
strandkrab								2.07		7.70

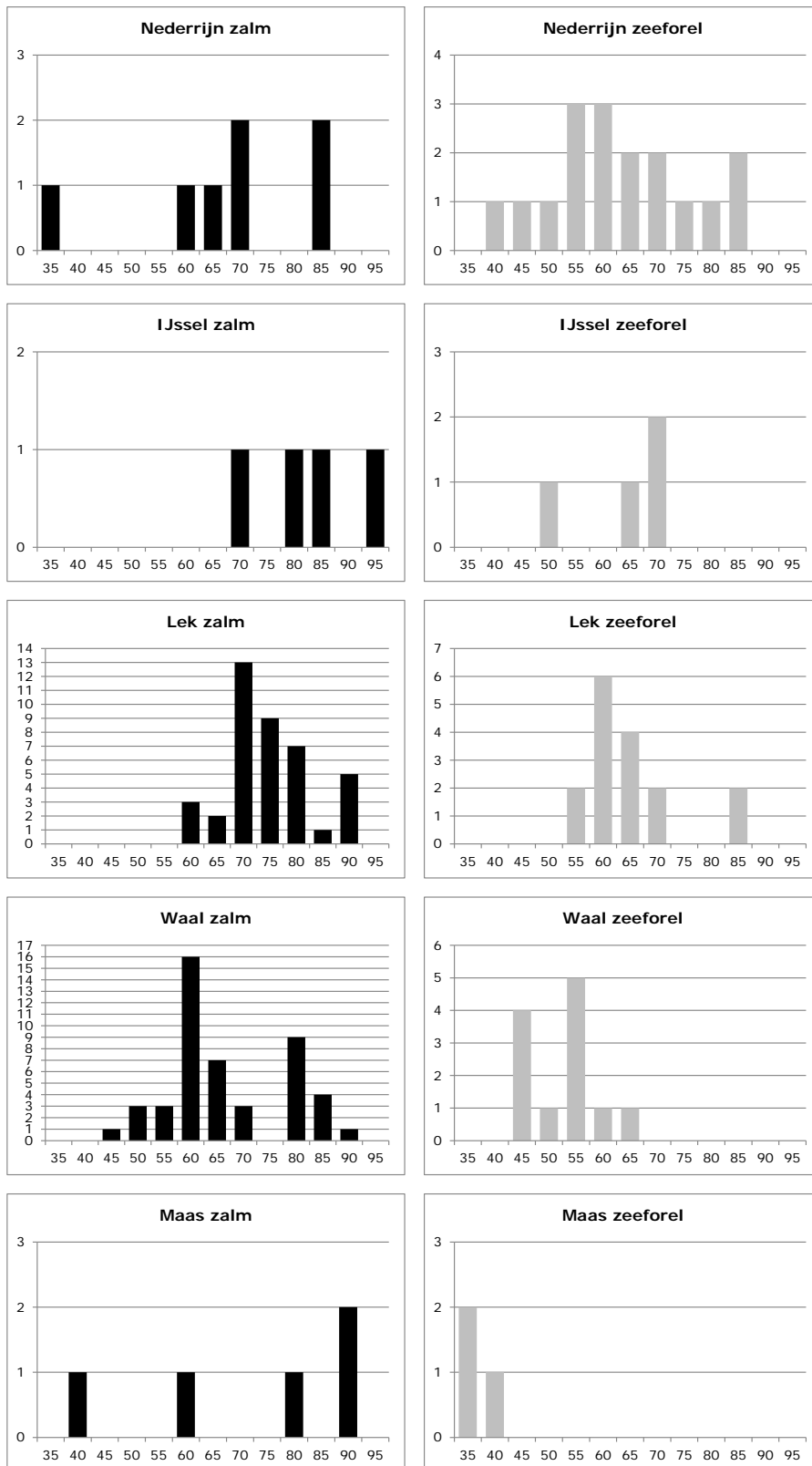
Bijlage IX Vangstgegevens zalmsteekbemonstering

Figuur IX.1 Aantallen zalm (zwart) en zeeforel (grijs) per jaar gevangen in de zalmsteekmonitoring.

De aantallen van 2002 zijn waarschijnlijk een onderschatting aangezien tijdens een aantal weken op diverse locaties niet gevist kon worden vanwege extreem hoge afvoer.



Figuur IX.2 Lengte-frequentieverdeling van zalm en zeeforel per gebied in 2012 in de zalmsteekmonitoring



Tabel IX.1 Overzicht aantallen zalm per jaar per seizoen in de zalmsteekmonitoring

(vz=tot en met augustus, nj=vanaf september).

Jaar	seizoen	Nederrijn	IJssel	Lek	Waal	Maas	totaal
1994	vz			1	14	1	16
	nj			6	2	7	15
1994 totaal				7	16	8	31
1995	vz			2		1	3
	nj			2	7		9
1995 totaal				4	7	1	12
1996	vz			3	2		5
	nj			12		3	15
1996 totaal				15	2	3	20
1997	vz		1	4	2	13	20
	nj		1	4	3		8
1997 totaal			2	8	5	13	28
1998	vz			3	2	3	8
	nj					6	6
1998 totaal				3	2	9	14
1999	vz			65	4	1	70
	nj			20	9	9	38
1999 totaal				85	13	10	108
2000	vz		1	124	8	12	145
	nj		2	71	20	17	110
2000 totaal			3	195	28	29	255
2001	vz			75	12	2	89
	nj		1	34	11	4	50
2001 totaal			1	109	23	6	139
2002	vz		2	49	19	3	73
	nj		1	23	9	7	40
2002 totaal			3	72	28	10	113
2003	vz		1	22	8	3	34
	nj		2	28	35		65
2003 totaal			3	50	43	3	99
2004	vz	2		28	11	1	42
	nj	1	1	1	19	4	26
2004 totaal		3	1	29	30	5	68
2005	vz	1	2	8	18	1	30
	nj	2	1	6	20	4	33
2005 totaal		3	3	14	38	5	63
2006	vz	5	1	9	10		25
	nj		1	8	17	2	28
2006 totaal		5	2	17	27	2	53
2007	vz	1	1	70	12	2	86
	nj	1	1	9	15		26
2007 totaal		2	2	79	27	2	112
2008	vz	2	1	31	25	1	60
	nj		1	5	18	2	26
2008 totaal		2	2	36	43	3	86

Jaar	seizoen	Nederrijn	IJssel	Lek	Waal	Maas	totaal
2009	vz		2	11	26	1	40
	nj		2	7	34		43
2009 totaal			4	18	60	1	83
2010	vz	2	1	18	27	2	50
	nj	1		7	20	1	29
2010 totaal		3	1	25	47	3	79
2011	vz	3			23		26
	nj		2	8	21		31
2011 totaal		3	2	8	44		57
2012	vz	3	2	15	28	3	51
	nj	4	2	25	20	2	53
2012 totaal		7	4	40	48	5	104
totaal	vz	19	15	538	251	50	873
	nj	9	18	276	280	68	651

Tabel IX.2 Overzicht aantallen zeeforel per jaar per seizoen in de zalmsteekmonitoring

(vz=tot en met augustus, nj=vanaf september).

year	seizoen	Nederrijn	IJssel	Lek	Waal	Maas	totaal
1994	vz			29	75	6	110
	nj			28	7	57	92
1994 totaal				57	82	63	202
1995	vz			55	20	61	136
	nj			12	5	28	45
1995 totaal				67	25	89	181
1996	vz			46	15	11	72
	nj			47	6	131	184
1996 totaal				93	21	142	256
1997	vz		5	33	44	121	203
	nj		2	16	4	14	36
1997 totaal			7	49	48	135	239
1998	vz		5	16	13	60	94
	nj			8	1	7	16
1998 totaal			5	24	14	67	110
1999	vz		2	57	31	37	127
	nj		6	11	7	15	39
1999 totaal			8	68	38	52	166
2000	vz		8	92	30	44	174
	nj		6	73	7	59	145
2000 totaal			14	165	37	103	319
2001	vz		9	73	27	5	114
	nj		14	17	4	19	54
2001 totaal			23	90	31	24	168
2002	vz		13	156	21	22	212
	nj		6	25	5	10	46
2002 totaal			19	181	26	32	258
2003	vz	8	7	24	11	6	56
	nj	8	11	7	9	1	36

year	seizoen	Nederrijn	IJssel	Lek	Waal	Maas	
2003 totaal		16	18	31	20	7	92
2004	vz	9	8	35	9	7	68
	nj	5	6		10	7	28
2004 totaal		14	14	35	19	14	96
2005	vz	8	5	6	10	6	35
	nj	4	10	4	10	3	31
2005 totaal		12	15	10	20	9	66
2006	vz	7	8	39	14	2	70
	nj	6	4	2	11	8	31
2006 totaal		13	12	41	25	10	101
2007	vz	3	8	33	15	6	65
	nj	5	8	4	14	13	44
2007 totaal		8	16	37	29	19	109
2008	vz	7	9	54	13	7	90
	nj	5	3	4	4	17	33
2008 totaal		12	12	58	17	24	123
2009	vz	3	7	7	10	8	35
	nj	5	5	2	9	2	23
2009 totaal		8	12	9	19	10	58
2010	vz	5	5	46		3	59
	nj	6	6	5	3	4	24
2010 totaal		11	11	51	3	7	83
2011	vz	4	10	1	1	1	17
	nj	5	6		2	2	15
2011 totaal		9	16	1	3	3	32
2012	vz	10	1	11	9	3	34
	nj	7	3	5	3		18
2012 totaal		17	4	16	12	3	52
totaal	vz	64	110	813	368	416	1771
	nj	56	96	270	121	397	940

Bijlage IXa Vangstgegevens zalmsteekbemonstering 2011

Tabel IXa.2 Aantal geregistreerde anadrome vissen per soort, locatie en week in 2011

locatie	soort	22	23	24	25	26	27	28	41	42	43	44	45	46	totaal
IJssel	fint		0	0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboogforel		0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	0	0	0	0	0	1	0	0	0	1	2
	zeeforel		1	1	3	2	0	3	2	1	2	1	0	0	16
Lek	fint	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboogforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm	0	0	0	0	0	0	0	4	4	0	0	0	0	8
	zeeforel	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Maas	fint	0	0	0	0	0	0		0	0	0	0	0	0	0
	houting	0	0	0	0	0	0		0	0	0	0	0	0	0
	regenboogforel	0	0	0	0	0	0		0	0	0	0	0	0	0
	zalm	0	0	0	0	0	0		0	0	0	0	0	0	0
	zeeforel	0	0	0	0	1	0		0	0	1	0	0	1	3
Nederrijn	fint		0	0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboogforel		0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	1	1	0	1	0	0	0	0	0	0	3
	zeeforel		0	2	0	0	1	1	1	1	2	0	1	0	9
Waal	fint	0	0	0	0	0	0		0	0	0	0	0	0	0
	houting	0	0	0	0	0	0		0	0	0	0	0	0	0
	regenboogforel	0	0	0	0	0	0		0	2	1	1	2	1	7
	zalm	3	4	4	5	4	3		4	3	5	3	3	3	44
	zeeforel	0	0	0	0	0	1		0	1	0	1	0	0	3
totaal	fint	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboogforel	0	0	0	0	0	0	0	0	2	1	1	2	1	7
	zalm	3	4	4	6	5	3	1	8	8	5	3	3	4	57
	zeeforel	1	1	3	3	3	2	4	3	3	5	2	1	1	32

Tabel IXa.3 Aantal geregistreerde overige vissen per soort, locatie en week in 2011

station	soort	22	23	24	25	26	27	28	41	42	43	44	45	46	totaal
IJssel	aal		0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval		0	0	0	0	0	0	0	0	0	0	0	0	0
	alver		0	0	0	0	0	0	0	0	0	0	0	0	0
	baars		0	0	0	0	2	0	0	0	0	0	1	0	3
	barbeel		0	0	0	0	0	0	0	0	0	0	0	1	1
	beekforel		0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn		1	0	3	1	0	2	1	0	2	1	3	2	16
	blauwneus		0	0	0	0	0	0	0	0	0	0	0	0	0
	bot		0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem		9	1	4	7	2	2	4	6	5	7	4	3	54
	diklipharder		0	0	0	0	0	0	0	0	0	0	0	0	0
	elft		0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel		0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper		0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespec.		0	0	0	0	0	0	0	0	0	0	0	0	0
	hybride cyprinide		0	0	0	0	0	0	0	0	0	0	0	0	0
	karper		0	0	0	0	1	0	0	0	0	0	0	0	1
	kolblei		0	2	1	2	0	0	0	2	0	2	0	0	9
	kopvoorn		0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval		0	0	0	0	0	0	0	0	0	0	0	0	0
	roofblei		0	0	0	0	0	0	2	0	0	0	0	0	2
	ruisvoorn		0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep		0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek		1	0	0	0	0	0	1	0	1	0	0	0	3
	snoekbaars		3	2	3	1	3	3	2	2	4	0	2	3	28
	steurachtigen		0	0	0	0	0	0	0	0	0	0	0	0	0
winde		0	0	0	0	0	0	0	0	0	0	0	0	0	
zeebaars		0	0	0	0	0	0	0	0	0	0	0	0	0	
zeelt		0	0	0	0	0	0	0	0	0	0	0	0	0	
zeeprik		0	0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars			0	0	0	0	0	0	0	0	0	0	0	0	
Lek	aal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	0	1	2	2	5	0	0	0	1	0	0	0	0	11
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	0	1	5	0	3	1	1	0	0	0	0	0	2	13
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	1	6	2	2	7	1	2	6	51	4	4	4	0	90
	diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
harder	0	1	1	0	0	1	0	0	2	0	0	0	0	5	
ongespecificeerd															
hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Maas	karper	0	0	0	0	0	0	0	0	0	0	0	0	0	
	kolblei	1	3	0	0	3	0	1	0	0	0	0	0	8	
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	
	meerval	0	0	0	0	0	0	0	0	0	0	0	0	0	
	roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	
	snoek	0	1	0	0	0	0	0	1	1	0	0	0	3	
	snoekbaars	1	1	1	8	3	4	3	0	4	0	0	4	0	29
	steurachtigen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	winde	0	0	0	0	0	0	0	1	1	1	2	0	0	5
	zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeelt	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	aal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	2	1	0	2	6	4	0	6	1	0	6	3	31	
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	0	7	0	0	0	0	0	8	3	0	3	3	0	24
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	15	31	17	12	29	22	0	30	4	12	0	20	13	205
	diklipharder	0	0	27	18	0	0	0	0	2	0	0	0	0	47
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespec.	0	0	0	0	0	0	0	0	0	0	6	0	0	6
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0
kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
meerval	0	0	1	6	2	5	0	0	0	0	1	1	0	16	
roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
sneep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
snoek	0	0	0	3	1	1	0	0	0	0	2	0	2	9	
snoekbaars	4	3	1	0	0	2	0	2	11	5	0	4	20	52	
steurachtigen	0	0	0	0	0	0	0	0	0	0	1	0	0	1	
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeebaars	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
zeelt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nederrijn	aal		0	0	0	0	0	0	0	0	0	0	0	0	
	afrikaanse meerval		0	0	0	0	0	0	0	0	0	0	0	0	
	alver		0	0	0	0	0	0	0	0	0	0	0	0	
	baars		1	1	4	0	2	0	1	2	1	0	1	13	
	barbeel		0	0	0	0	0	0	0	0	1	0	0	1	

	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	
	blankvoorn	0	1	1	1	0	1	2	0	0	2	0	5	13
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	9	3	4	3	2	4	9	3	4	1	0	3	45
	diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespec.	0	0	0	0	0	0	0	0	0	0	0	0	0
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	0	0	0	0	0	0	0	0	0	0	0	0
	kolblei	3	0	3	4	3	0	2	1	2	0	2	4	24
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval	0	0	0	0	0	0	0	0	0	0	1	0	1
	roofblei	0	0	1	0	0	0	0	0	0	0	0	0	1
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek	0	0	0	1	0	0	0	0	0	0	0	1	2
	snoekbaars	4	0	3	1	0	0	1	3	2	1	3	0	18
	steurachtigen	0	0	0	0	0	0	0	0	0	0	0	0	0
	winde	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeelt	1	0	0	0	0	0	1	0	0	1	0	0	3
	zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0
	zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0
Waal	aal	1	0	0	0	0	0	0	0	0	0	0	0	1
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	0	0	0	0	0	0	0	0	0	0	0	0	0
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	15	20	39	29	7	26	9	10	5	7	12	7	186
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	372	196	102	65	91	93	99	179	26	63	50	40	1376
	diklipharder	0	0	1	0	0	0	0	0	0	0	0	0	1
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespec.	0	1	3	3	2	1	0	1	0	0	1	0	12
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	2	0	0	0	0	0	0	0	1	1	0	4
	kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek	1	1	1	2	1	0	0	2	2	1	0	1	12
	snoekbaars	26	33	22	21	19	21	10	22	10	24	25	12	245

	steurachtigen	0	0	0	0	0	0	0	0	0	0	0	0	0
	winde	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeelt	0	0	0	0	0	0	0	0	0	0	0	0	0
	zeeprrik	0	0	0	0	0	0	0	0	0	0	0	0	0
	zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0

Tabel IXa.4 CPUE (aantal per fuiketmaal) geregistreerde anadrome vissen per soort, locatie en week in 2011

locatie	soort	22	23	24	25	26	27	28	41	42	43	44	45	46
IJssel	fint		0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0
	regenboog		0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	0	0	0	0	0	0.304	0	0	0	0.103
	zeeforel		0.094	0.166	0.348	0.349	0	0.649	0.33	0.304	0.238	0.173	0	0
Lek	fint		0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0
	regenboog		0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	0	0	0	0	0.28	0.221	0	0	0	0
	zeeforel		0.188	0	0	0	0	0	0	0	0	0	0	0
Maas	fint		0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0
	regenboog		0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	0	0	0	0	0	0	0	0	0	0
	zeeforel		0	0	0	0	0.071	0	0	0	0.071	0	0	0.071
Nederrijn	fint		0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0
	regenboog		0	0	0	0	0	0	0	0	0	0	0	0
	zalm		0	0	0.111	0.235	0	0.238	0	0	0	0	0	0
	zeeforel		0	0.35	0	0	0.144	0.202	0.118	0.155	0.246	0	0.167	0
Waal	fint		0	0	0	0	0	0	0	0	0	0	0	0
	houting		0	0	0	0	0	0	0	0	0	0	0	0
	regenboog		0	0	0	0	0	0	0	0.09	0.047	0.029	0.082	0.044
	zalm		0.155	0.159	0.155	0.189	0.154	0.12	0.303	0.148	0.214	0.121	0.122	0.146
	zeeforel		0	0	0	0	0.043	0	0	0.054	0	0.029	0	0

Tabel IXa.5 Gestandaardiseerd aantal (per fuiketmaal) geregistreerde overige vissen per soort, locatie en week in 2011

station	soort	22	23	24	25	26	27	28	41	42	43	44	45	46
IJssel	aal	0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	0	0	0	0	0.35	0	0	0	0	0	0	0.167	0
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0.103
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	0.222	0	0.417	0.128	0	0.397	0.111	0	0.238	0.145	0.585	0.206	0
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	1.324	0.166	0.536	1.003	0.282	0.397	0.557	1.823	0.591	1.1	0.724	0.512	0
	diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0	0	0
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	0	0	0	0.175	0	0	0	0	0	0	0	0
	kolblei	0	0.345	0.116	0.227	0	0	0	0.306	0	0.291	0	0	0
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	roofblei	0	0	0	0	0	0.505	0	0	0	0	0	0	0
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek	0.094	0	0	0	0	0	0	0.165	0	0.099	0	0	0
	snoekbaars	0.301	0.331	0.397	0.113	0.458	0.704	0.222	0.608	0.445	0	0.39	0.503	0
	steurachtigen	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeelt	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lek	aal	0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	0	0.083	0.128	0.118	0.341	0	0	0	0.056	0	0	0	0
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	0	0.083	0.345	0	0.259	0.09	0.103	0	0	0	0	0	0.124
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	0.167	0.443	0.082	0.141	0.548	0.09	0.207	0.677	2.838	0.364	0.301	0.285	0
	diklipharder	0	0	0	0	0	0	0	0	0	0	0	0	0
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespecificeerd	0	0.055	0.041	0	0	0.09	0	0	0.167	0	0	0	0
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	0	0	0	0	0	0	0	0	0	0	0	0
	kolblei	0.167	0.194	0	0	0.18	0	0.103	0	0	0	0	0	0
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek	0	0.083	0	0	0	0	0	0.052	0.056	0	0	0	0
	snoekbaars	0.167	0.055	0.041	0.5	0.22	0.444	0.31	0	0.221	0	0	0.285	0
	steurachtigen	0	0	0	0	0	0	0	0	0	0	0	0	0
winde	0	0	0	0	0	0	0	0.125	0.055	0.078	0.137	0	0	
zeebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeelt	0	0	0.041	0	0	0	0	0	0	0	0	0	0	
zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	
Maas	aal	0	0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0	0	0	0	0	0	0	0
	alver	0	0	0	0	0	0	0	0	0	0	0	0	0
	baars	0.25	0.071	0	0.143	0.429	0.286	0	0.429	0.071	0	0.429	0.214	0
	barbeel	0	0	0	0	0	0	0	0	0	0	0	0	0
	beekforel	0	0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn	0	0.5	0	0	0	0	0	0.667	0.214	0	0.25	0.214	0
	blauwneus	0	0	0	0	0	0	0	0	0	0	0	0	0
	bot	0	0	0	0	0	0	0	0	0	0	0	0	0
	brasem	1.875	2.214	1.417	0.857	2.071	1.571	0	2.5	0.286	0.857	0	1.429	0.929
	diklipharder	0	0	2.25	1.286	0	0	0	0	0.143	0	0	0	0
	elft	0	0	0	0	0	0	0	0	0	0	0	0	0
	giebel	0	0	0	0	0	0	0	0	0	0	0	0	0
	graskarper	0	0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespecificeerd	0	0	0	0	0	0	0	0	0	0	0.5	0	0
	hybride cyprinide	0	0	0	0	0	0	0	0	0	0	0	0	0
	karper	0	0	0	0	0	0	0	0	0	0	0	0	0
	kolblei	0	0	0	0	0	0	0	0	0	0	0	0	0
	kopvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	meerval	0	0	0.083	0.429	0.143	0.357	0	0	0	0	0.083	0.071	0
	roofblei	0	0	0	0	0	0	0	0	0	0	0	0	0
	ruisvoorn	0	0	0	0	0	0	0	0	0	0	0	0	0
	sneep	0	0	0	0	0	0	0	0	0	0	0	0	0
	snoek	0	0	0	0.214	0.071	0.071	0	0	0	0	0.167	0	0.143
	snoekbaars	0.5	0.214	0.083	0	0	0.143	0	0.167	0.786	0.357	0	0.286	1.429
	steurachtigen	0	0	0	0	0	0	0	0	0	0	0.083	0	0
winde	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeebaars	0	0	0	0.071	0	0	0	0	0	0	0	0	0	
zeelt	0	0	0	0	0	0	0	0	0	0	0	0	0	
zeeprik	0	0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars	0	0	0	0	0	0	0	0	0	0	0	0	0	

Tabel IXa.5 (vervolg) Gestandaardiseerd aantal (per fuiketmaal) geregistreerde overige vissen per soort, locatie en week in 2011

station	soort	22	23	24	25	26	27	28	41	42	43	44	45	46
Nederrijn	aal		0	0	0	0	0	0	0	0	0	0	0	0
	afrikaanse meerval		0	0	0	0	0	0	0	0	0	0	0	0
	alver		0	0	0	0	0	0	0	0	0	0	0	0
	baars		0.114	0.167	0.462	0	0.318	0	0.112	0.6	0.123	0	0.167	0
	barbeel		0	0	0	0	0	0	0	0	0	0.149	0	0
	beekforel		0	0	0	0	0	0	0	0	0	0	0	0
	blankvoorn		0	0.175	0.111	0.235	0	0.202	0.224	0	0	0.369	0	0.777
	blauwneus		0	0	0	0	0	0	0	0	0	0	0	0
	bot		0	0	0	0	0	0	0	0	0	0	0	0
	brasem		1.251	0.526	0.527	0.372	0.348	0.915	1.323	0.465	0.425	0.149	0	0.316
	diklipharder		0	0	0	0	0	0	0	0	0	0	0	0
	elft		0	0	0	0	0	0	0	0	0	0	0	0
	giebel		0	0	0	0	0	0	0	0	0	0	0	0
	graskarper		0	0	0	0	0	0	0	0	0	0	0	0
	harder ongespecificeerd		0	0	0	0	0	0	0	0	0	0	0	0
	hybride cyprinide		0	0	0	0	0	0	0	0	0	0	0	0
	karper		0	0	0	0	0	0	0	0	0	0	0	0
	kolblei		0.324	0	0.398	0.729	0.461	0	0.323	0.3	0.232	0	0.338	0.599
	kopvoorn		0	0	0	0	0	0	0	0	0	0	0	0
	meerval		0	0	0	0	0	0	0	0	0	0	0.167	0
	roofblei		0	0	0.111	0	0	0	0	0	0	0	0	0
	ruisvoorn		0	0	0	0	0	0	0	0	0	0	0	0
	sneep		0	0	0	0	0	0	0	0	0	0	0	0
	snoek		0	0	0	0.129	0	0	0	0	0	0	0	0.186
snoekbaars		0.771	0	0.421	0.235	0	0	0.118	0.465	0.217	0.149	0.502	0	
steurachtigen		0	0	0	0	0	0	0	0	0	0	0	0	
winde		0	0	0	0	0	0	0	0	0	0	0	0	
zeebaars		0	0	0	0	0	0	0	0	0	0	0	0	
zeelt		0.225	0	0	0	0	0	0.162	0	0	0.185	0	0	
zeeprik		0	0	0	0	0	0	0	0	0	0	0	0	
zonnebaars		0	0	0	0	0	0	0	0	0	0	0	0	
Waal	aal	0.05	0	0	0	0	0		0	0	0	0	0	0
	afrikaanse meerval	0	0	0	0	0	0		0	0	0	0	0	0
	alver	0	0	0	0	0	0		0	0	0	0	0	0
	baars	0	0	0	0	0	0		0	0	0	0	0	0
	barbeel	0	0	0	0	0	0		0	0	0	0	0	0
	beekforel	0	0	0	0	0	0		0	0	0	0	0	0
	blankvoorn	0.792	0.76	1.453	0.979	0.248	0.925		0.669	0.471	0.239	0.25	0.415	0.36
	blauwneus	0	0	0	0	0	0		0	0	0	0	0	0
	bot	0	0	0	0	0	0		0	0	0	0	0	0
	brasem	19.805	7.238	3.843	2.398	3.337	3.521		6.94	8.032	1.209	2.256	1.803	1.999
	diklipharder	0	0	0.043	0	0	0		0	0	0	0	0	0
	elft	0	0	0	0	0	0		0	0	0	0	0	0
	giebel	0	0	0	0	0	0		0	0	0	0	0	0
	graskarper	0	0	0	0	0	0		0	0	0	0	0	0
	harder ongespecificeerd	0	0.038	0.125	0.079	0.061	0.03		0	0.039	0	0	0.038	0
	hybride cyprinide	0	0	0	0	0	0		0	0	0	0	0	0
	karper	0	0.082	0	0	0	0		0	0	0	0.041	0.041	0
	kolblei	0	0	0	0	0	0		0	0	0	0	0	0
	kopvoorn	0	0	0	0	0	0		0	0	0	0	0	0
	meerval	0	0	0	0	0	0		0	0	0	0	0	0
	roofblei	0	0	0	0	0	0		0	0	0	0	0	0
	ruisvoorn	0	0	0	0	0	0		0	0	0	0	0	0
	sneep	0	0	0	0	0	0		0	0	0	0	0	0
	snoek	0.054	0.04	0.03	0.081	0.04	0		0	0.078	0.082	0.041	0	0.057
snoekbaars	1.374	1.228	0.849	0.74	0.709	0.777		0.669	1.03	0.498	0.867	0.87	0.582	
steurachtigen	0	0	0	0	0	0		0	0	0	0	0	0	
winde	0	0	0	0	0	0		0	0	0	0	0	0	
zeebaars	0	0	0	0	0	0		0	0	0	0	0	0	
zeelt	0	0	0	0	0	0		0	0	0	0	0	0	
zeeprik	0	0	0	0	0	0		0	0	0	0	0	0	
zonnebaars	0	0	0	0	0	0		0	0	0	0	0	0	

Tabel IXa.6 Lengteverdeling van zalm en zeeforel per lengteklasse (5 cm) per seizoen en locatie in 2011. vz=tot en met augustus, nz=vanaf september. (40=40-45 cm)

	zalm										zeeforel										
	IJssel		Lek		Maas		Nederrijn		Waal		IJssel		Lek		Maas		Nederrijn		Waal		
	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	
40									1	1	1										
45									3		2		1								
50									2	3	1	1			1	1					
55									4	6		1			1	1					1
60									5	3				1					1	1	
65									2	3	4	1					1	1			
70									2	3		1				1	1				
75				2					2	1		1		1	1						
80				3					1	1	1	1					1	1			
85				2							1							1	1		
90		1		1			1			1									1		
95							2														
100		1																			

Bijlage IXb Vangstgegevens zalmsteekbemonstering 2012

Tabel IXb.2 Aantal geregistreerde anadrome vissen per soort, locatie en week in 2012 (lege cellen=geen exemplaren waargenomen in de betreffende week)

station	soort	22	23	24	25	26	27	41	42	43	44	45	46	47	totaal
IJssel	fint														
	houting														
	regenboogforel														
	zalm	1				1		1			1				4
Lek	zeeforel				1				1				2		4
	fint														
	houting			2								1		1	4
	regenboogforel														
Maas	zalm			2	8	4	1	7	9	3	1	2	1	2	40
	zeeforel		2	2	3	3	1	1	3	1					16
	fint			3											3
	houting														
Nederrijn	regenboogforel				1								1		2
	zalm		1	1			1	2							5
	zeeforel	2	1												3
	fint				1										1
Waal	houting														
	regenboogforel														
	zalm			1	1		1		2	1	1				7
	zeeforel	1	2	2	2	1	2	2	2	1	1	1			17
Waal	fint														
	houting											1			1
	regenboogforel					4	1			1		1	1		8
	zalm	8	5	8	1	3	3	2	8	4	2	2	2		48
Waal	zeeforel	1	1		4	1	2			1	2				12

Tabel IXb.3 Aantal geregistreerde overige vissen per soort, locatie en week in 2012 (lege cellen=geen exemplaren waargenomen in de betreffende week)

station	soort	22	23	24	25	26	27	41	42	43	44	45	46	47	totaal	
IJssel	baars			1				1			1				3	
	blankvoorn	53			4	2	2	5		4	2		4		76	
	bot				1										1	
	brasem	11	4	4	5	12	4	6	9	3	2		1		61	
	graskarper						1						1		2	
	harder ongespecificeerd	1													1	
	kolblei		2			1	4	3	2	7	7	1	2		29	
	meerval	1		1									1		3	
	snoek				1										1	
	snoekbaars	4	4		1	2			4	1	3	4		3		26
Lek	baars			1	10			5	6	8	2	1	2	1	36	
	barbeel	1					2								3	
	blankvoorn	1	1		4				13	7		1	3	4	34	
	brasem	15	17	24	29	12	5	3	93	29		4	17	6	254	
	elft			1											1	
	harder ongespecificeerd	1		1			2								4	
	hybride cyprinide									1					1	
	karper		1												1	
	kolblei				3	1	2	1				2	2		11	
	roofblei				1	1	1						1		4	
	snoek	1	3	2	2	1						1			10	
	snoekbaars	10	6	2	7	3	5		9	41	34	6	15	16	8	162
	winde	1	1						2	2	1		1	1	1	10
Maas	aal						1					2			3	
	baars					2						3			5	
	blankvoorn					3		8					3	1	15	
	brasem					22	26	17	21		33	12	6	11	148	
	diklipharder													7	7	
	dunlipharder		6												6	
	giebel	1													1	
	harder ongespecificeerd	9		6		11						41		5	72	
	karper	2	1					1	1			1		1	7	
	meerval	1												1	2	
	roofblei	11			2										13	
	snoek	3		1	1	1	1	1				2	1	1	12	
	snoekbaars	4	3			3	9	5	5		7		8	18	62	
	steurachtigen				1										1	
	zeelt		1												1	
Nederrijn	baars	1		1	1			1		2			2		8	
	barbeel									1					1	
	blankvoorn	1	3				1	2	3		1				11	
	brasem	5	13	2	8	7	3	6	5	3	12	5	4		73	
	harder ongespecificeerd				1										1	
	karper					1									1	
	kolblei		3	2	7		2	5			3	4	3		29	
	meerval			1											1	

Waal	snoek	1			1												2
	snoekbaars	2	2	1	5	3	4		1	2	1		2	1			24
	zeelt	1								1							2
	baars									4							7
	blankvoorn	49	27	27	29	25	20		4	11	11	32	33	13			282
	brasem	300	138	136	96	89	68		19	40	47	28	39	16			1019
	harder ongespecificeerd	2	4	6	7	2				1							22
	karper	1		1	2		1					1	1				7
	snoek	1	1	1			1			3				3			10
	snoekbaars	25	6	10	13	18	12		2	14	17	11	9	2			140
zeebaars	1				2	1										4	

Tabel IXb.4 CPUE (aantal per fuiketmaal) geregistreerde anadrome vissen per soort, locatie en week in 2012

locatie	soort	22	23	24	25	26	27	41	42	43	44	45	46	47
IJssel	fint	0	0	0	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboog	0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm	0.116	0	0	0	0.17	0	0.113	0	0.108	0	0	0	0
	zeeforel	0	0	0	0.132	0	0	0	0	0	0	0.277	0	0
Lek	fint	0	0	0	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0.33	0	0	0	0	0	0	0.076	0	0.125	0
	regenboog	0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm	0	0	0.224	0.562	0.325	0.083	0.854	0.244	0.077	0.169	0.083	0.25	0
	zeeforel	0	0.157	0.135	0.201	0.245	0.055	0.119	0.078	0	0	0	0	0
Maas	fint	0	0	0.214	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboog	0	0	0	0.071	0	0	0	0	0	0	0.125	0	0
	zalm	0	0.071	0.071	0	0	0.083	0.333	0	0	0	0	0	0
	zeeforel	0.167	0.071	0	0	0	0	0	0	0	0	0	0	0
Nederrijn	fint	0	0	0	0.087	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0	0	0	0
	regenboog	0	0	0	0	0	0	0	0	0	0	0	0	0
	zalm	0	0	0.245	0.132	0	0.3	0	0.17	0.184	0	0	0	0
	zeeforel	0.163	0.275	0.338	0.212	0.11	0.298	0.272	0.104	0.163	0.167	0	0	0
Waal	fint	0	0	0	0	0	0	0	0	0	0	0	0	0
	houting	0	0	0	0	0	0	0	0	0	0.027	0	0	0
	regenboog	0	0	0	0	0.122	0.044	0	0.029	0	0.026	0.06	0	0
	zalm	0.309	0.209	0.284	0.033	0.1	0.1	0.059	0.146	0.08	0.063	0.16	0	0
	zeeforel	0.043	0.045	0	0.162	0.038	0.089	0	0.045	0.088	0	0	0	0

Tabel IXb.5 CPUE (aantal per fuiketmaal) geregistreerde overige vissen per soort, locatie en week in 2012

station	soort	22	23	24	25	26	27	40	41	42	43	44	45	46
IJssel	baars			0.174					0.113			0.184		
	blankvoorn	5.899			0.474	0.34	0.465		0.59		0.539	0.32		0.517
	bot				0.087									
	brasem	1.393	0.499	0.833	0.619	1.627	0.93		0.75	1.56	0.406	0.368		0.168
	graskarper						0.316							0.168
	harder ongespecificeerd	0.116												
	kolblei		0.348			0.172	0.93		0.34	0.366	0.779	1.064	0.162	0.216
	meerval	0.162		0.174										0.162
	snoek				0.087									
	snoekbaars	0.454	0.623		0.087	0.28				0.477	0.183	0.361	0.636	
Lek	baars			0.074	0.624				0.615	0.436	0.582	0.154	0.076	0.166
	barbeel	0.088					0.139							
	blankvoorn	0.088	0.097		0.256					1.049	0.537		0.076	0.249
	brasem	1.565	1.257	2.281	1.975	0.982	0.333		0.375	7.107	2.01		0.349	1.414
	elft			0.06										
	harder ongespecificeerd	0.09		0.163			0.139							
	hybride cyprinide										0.083			
	karper		0.083											
	kolblei				0.183	0.08	0.166		0.127			0.154	0.152	
	roofblei				0.061	0.083	0.083							0.091
	snoek	0.09	0.227	0.227	0.135	0.085						0.077		
	snoekbaars	1.016	0.444	0.135	0.446	0.243	0.388		1.107	2.868	2.438	0.484	1.143	1.332
	winde	0.088	0.074						0.254	0.106	0.078		0.076	0.083
	Maas	aal						0.083						
baars						0.143								0.3
blankvoorn						0.214			1.333					0.375
brasem						1.571	2.167		2.833	3.5		11	1.2	0.75
diklipharder														
dunlipharder			0.429											
giebel		0.083												
harder ongespecificeerd		0.75		0.429		0.786								4.1
karper		0.167	0.066						0.167	0.167				0.1
meerval		0.083												
roofblei	0.917			0.143										
snoek	0.25		0.071	0.071	0.071	0.083		0.167					0.2	0.125
snoekbaars	0.333	0.214			0.214	0.75		0.833	0.833		2.333		1	
steurachtigen				0.071										
zeelt		0.071												
Nederrijn	baars	0.163		0.169	0.125				0.113		0.34			0.268
	barbeel										0.104			
	blankvoorn	0.116	0.5				0.3		0.317	0.483		0.11		
	brasem	0.627	1.846	0.338	0.894	0.767	0.9		0.681	0.864	0.328	1.922	0.823	0.597
	harder ongespecificeerd				0.125									
	karper					0.168								
	kolblei		0.387	0.49	0.758		0.449		0.702			0.531	0.667	0.51
	meerval			0.169										
	snoek	0.116			0.132									
	snoekbaars	0.279	0.286	0.245	0.622	0.446	0.747		0.113	0.342	0.17		0.327	0.19
zeelt	0.116									0.161				
Waal	baars							3		0.167				
	blankvoorn	1.971	1.017	0.943	1.131	0.77	0.758	1	0.184	0.597	0.434	1.29	1.239	0.957
	brasem	11.604	5.426	4.749	3.675	2.916	2.585	3	0.876	2.149	1.762	1.127	1.391	1.207
	harder ongespecificeerd	0.086	0.15	0.235	0.256	0.056				0.118				
	karper	0.043		0.029	0.087		0.03				0.045	0.043		
	snoek	0.043	0.03	0.042			0.03			0.112			0.09	
	snoekbaars	0.996	0.239	0.37	0.475	0.586	0.467	1	0.109	0.723	0.663	0.452	0.334	0.143
	zeebaars	0.043				0.056	0.03							

Tabel IXb.6 Lengteverdeling van zalm en zeeforel per lengteklasse (5 cm) per seizoen en locatie in 2012. vz=tot en met augustus, nz=vanaf september. (40=40-45 cm)

	zalm										zeeforel										
	IJssel		Lek		Maas		Nederrijn		Waal		IJssel		Lek		Maas		Nederrijn		Waal		
	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	vz	nj	
35							1								2						
40					1										1			1			
45										1								1	3	1	
50										3		1					1		1		
55										2	1			2			1	2	3	2	
60				3		1		1	9	7			4	2			2	1	1		
65				2				1	3	4		1	3	1			1	1	1		
70	1		6	7			1	1	2	1	1	1	1	1			2				
75			4	5													1				
80		1	1	6		1			6	3								1			
85	1		1	3	2		1	1		4			1	1			2				
90			3	2	2				1												
95		1																			
100									1												

Bijlage X. Overige gegevens van vis in het IJsselmeer en Markermeer

Tabel X.1 Aanlandingen (kg) van vis uit het IJsselmeer en Markermeer per jaar, alle afslagen.

	poovis	aal	rode aal	schieraal	dikke schier	snoekbaars	baars	blanckvoorn	bot	brasem	karper	pos	snoek	spiering	zalm/zeeforel
1966	12295619		2171698	167027		167433	128648	167239	35910	128501	1607		1304	78721	2171
1967	11332945		2430953	93068		92160	118652	108824	15829	70212	2084		1224	70375	1486
1968	5362423		2053471	156666		242783	92642	143955	16672	81441	1786		764	1587722	593
1969	3707526		2196348	192779		365843	202863	210419	15028	127755	2166		625	1329235	1007
1970	137570		1000370	111129		205878	139811	265529		110427				57289	
1971	220525		752836	99797		1206217	185745	221814		93571				53667	
1972	160419		752411	104884		780965	402752	127963		89424				48451	
1973	347166		724683	98446		659480	587934	135741		139983				214459	
1974	1015503		743026	96682		205537	757751	108433		156107				198462	
1975	955409		784509	215792		1162658	813559	104872		151410				102268	
1976	148315		961764	210656		444709	716470	147851		698738				244902	
1977	170363		614995	135507	32877	936559	524067	82836		285841				412455	
1978	20279		615824	98138	5282	567598	340233	37544	11335	96358	325		196	27092	520
1979	51725		443741	86664		533120	356883	44862	11653	48429	730		235	670335	995
1980	128065		573727	89835		133523	599875	65789	6105	80346	911		1498	156343	709
1981	10641		636450	85431		63611	848330	106252	3933	94487	1101		839	159511	757
1982	84637		753199	88689		69483	683151	129305	1997	198857	660		478	2308898	556
1983	307826		847581	89521		159712	606769	139772	1407	441050	594		470	1235156	889
1984	177335		641079	50040		324328	427081	333474	3769	513739	1879		863	1304956	1002
1985	314543		621876	57110		152383	599411	210629	1548	602033	1584		548	1357285	1053
1986	79877		684701	36081		56282	532007	84357	446	703504	1604		382	1880896	620
1987	90370		471643	28615		120230	512548	42274	8842	1351393	1019		863	2316684	1414
1988	78339		406639	49427	5397	167351	236096	34696	4005	830721	688		694	3349555	1375
1989	100853		506155	52657	4037	134904	697336	44160	1849	572447	1143		727	1981947	1090
1990	35070		469017	3022		50144	723782	38187	807	174336	691		508	1481074	419
1991	17901		552335	20704		140684	318631	49554	16145	430001	1059		1077	2504013	140
1992	17718		439983	108312		42347	360023	11204	30845	316463	381		342	1517326	131
1993	8200		226209	66990		36961	265198	14002	32171	211423	202		452	586638	91
1994	10195		312189	15166	3285	58626	64343	6291	14179	89452	96		83	1402034	111
1995	355038		344360	8062	1791	57369	152355	50313						2345454	
1996	219003		286650	13681		98282	391735	101067	63150	148040	841		763	855908	38
1997	363356	284690				88777	336142	122876		64634		476		1032594	
1998	174583	322678				60866	155253	106715		398528		2361		327287	
1999	153619	332324				103660	176783	99591		355452				1081260	
2000	122852	368107				288924	211417	87338		285781		16706		1915947	
2001	41713		281994	46289	52543	324199	254155	86359	107076	428738	1736		3759	1200774	444
2002	44282		225648	66915	60167	294529	130776	63872	85291	282326	1131		3299	867853	85
2003	13176		181863	42272	54685	195613	156210	174138	117200	466840	1517		4995	366553	134
2004	26762		140991	49173	55026	66623	135181	150491	84668	549521	1264		5202	26781	2
2005	53749		127105	38547	64518	132109	95844	147746	104817	415400	2954		4461	109712	5
2006	34179		110550	37571	82281	58532	37627	151152	125643	758237	1620		3246	1030963	200
2007	13320		58401	13443	58635	54406	59609	155890	39575	394913	2771		2481	0	0
2008	17561		64686	11196	46918	273157	40375	188960	5162	334097	708		1877	3663	223
2009			35666	6036	22195	197950	15023	52037	6748	35418	1082		1484	1729135	
2010			16776	3417	385	76407	15291	52147	36011	65736	1682		12008	32	0
2011			51910	9387	253	56981	9541	30033	43725	239120	2451		4215	32	0
2012			50854	8005	213	45854	9968	20236	49089	116288	2135		3719	271346	0

Tabel X.2 Glasaalintrek in het IJsselmeer bij Den Oever, 1966-2012 (gemiddeld aantal per trek in april en mei)

jaar	aantal	jaar	aantal
1938	15.34234	1976	51.37415
1939	71.49191	1977	74.95215
1940	22.36283	1978	73.62712
1941	14.26648	1979	87.72487
1942	17.47078	1980	58.96786
1943	13.7044	1981	50.375
1944	46.07188	1982	29.39394
1946	7.533981	1983	14.66667
1947	7.174312	1984	31.59124
1948	4.752336	1985	11.21961
1949	6.627907	1986	11.40084
1950	2.657895	1987	6.178138
1951	21.93561	1988	6.953488
1952	125.5642	1989	4.765343
1953	21.05068	1990	4.858086
1954	38.81495	1991	1.833887
1955	64.07563	1992	5.185039
1956	16.07843	1993	3.498282
1957	31.32669	1994	5.37551
1958	123.9877	1995	11.14359
1959	67.56584	1996	12.47122
1960	58.93399	1997	12.60563
1961	65.22568	1998	2.375
1962	108.9097	1999	3.653333
1963	123.7035	2000	2.791165
1964	58.13808	2001	0.634921
1965	128.2996	2002	1.153226
1966	34	2003	1.29562
1967	45.79562	2004	2.115591
1968	32.92607	2005	1.627723
1969	27.05078	2006	0.568376
1970	48.1358	2007	1.175983
1971	36.10544	2008	0.478803
1972	54.99615	2009	0.853081
1973	18.82971	2010	2.198661
1974	62.99103	2011	1.051163
1975	84.26442	2012	2.4