

Overzicht van het schelpdierwater-onderzoek in de rijkswateren 1986-1992

Rapport RIKZ-94.042

Ministerie van verkeer en Waterstaat

Directoraat-Generaal Rijkswaterstaat



Rijksinstituut voor Kust en Zee/RIKZ



Rapport RIKZ-94.042

OVERZICHT VAN HET
SCHELPDIERWATER-ONDERZOEK
IN DE RIJKSWATEREN 1986 - 1992.

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INHOUD

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1. Inleiding

Door de Raad van de Europese Gemeenschappen is op 30 oktober 1979 vastgesteld de Richtlijn betreffende de vereiste kwaliteit van schelpdierwater (79/923/EEG, Pb. L281/47).

Deze Richtlijn is in de Nederlandse wetgeving vormgegeven in het Besluit "Kwaliteitsdoelstellingen en metingen oppervlaktewateren" van 3 november 1983 (Staatsblad 1983, 606).

De richtlijn verplicht de lidstaten om, 6 jaar na de eerste aanwijzing van watersystemen met de functie schelpdierwater, een verslag over de kwaliteit van het schelpdierwater uit te brengen aan de Europese Commissie.

De eerste formele aanwijzing vond plaats in het Rijkswaterkwaliteitsplan dat medio 1986 is vastgesteld. In dit plan is een termijn tot 1992 aangehouden waarbinnen de kwaliteit van de aangewezen schelpdierwateren moet voldoen aan de kwaliteitsdoelstelling.

Vooruitlopend hierop zijn sedert 1986 in jaarlijkse rapportages overzichten gegeven van de aangewezen wateren en van de voor de toetsing te gebruiken meetlokaties. De aangewezen wateren betreffen de gebieden waar schelpdieren worden gekweekt ten behoeve van menselijke consumptie: Waddenzee en Oosterschelde en de aangrenzende wateren.

In de nu voorliggende rapportage wordt een overzicht gegeven van alle jaarlijkse rapportages vanaf 1986 tot 1992. Om misverstanden te voorkomen wordt hier benadrukt dat het geen trendanalyse betreft, maar uitsluitend een samenvoeging van alle eerder uitgebrachte jaarrapportages.

In deze zesjarige periode zijn er meetlokaties vervallen en zijn er ook lokaties toegevoegd. Aangehouden zijn de bemonsteringslokaties zoals die voor het jaar 1992 in het monitoringprogramma zijn opgenomen.

De gemeten parameters betreffen Zuurgraad, Saliniteit, Zuurstof alsmede Thermotolerante bacteriën van de coli groep. Meting van de bedoelde bacteriën in schelpdieren gebeurt door het Rijks Instituut voor Visserij Onderzoek (RIVO-DLO) in opdracht van Rijkswaterstaat en toetsing aan de gehalten in oppervlaktewater gebeurt door Rijkswaterstaat.

Eigen onderzoek van het RIVO-DLO heeft plaatsgevonden in de Oosterschelde op een vijftal lokaties. Uit onderzoek in voorgaande jaren is gebleken dat meting van gehalten in mosselen in de Waddenzee, gezien de overwegend zeer lage gehalten, niet noodzakelijk is. Alle mosselen uit de Waddenzee worden bovendien in de Oosterschelde verwaterd, vooraleer zij ten behoeve van menselijke consumptie worden aangeboden.

2. Lokaties

Voor de vaststelling van de bemonsteringspunten is uitgegaan van de wateren waaraan de functie schelpdierwater is toegekend (Rijks Waterkwaliteitsplan 1986). Bij toekenning van de functie schelpdierwater is de nadruk gelegd op de concentratiegebieden van de schelpdiervisserij en aangrenzende gebieden.

Aan de volgende wateren is de functie toegekend.

NOORDZEE

- Belgische grens tot Hoek van Holland

ZUIDELIJKE DELTA

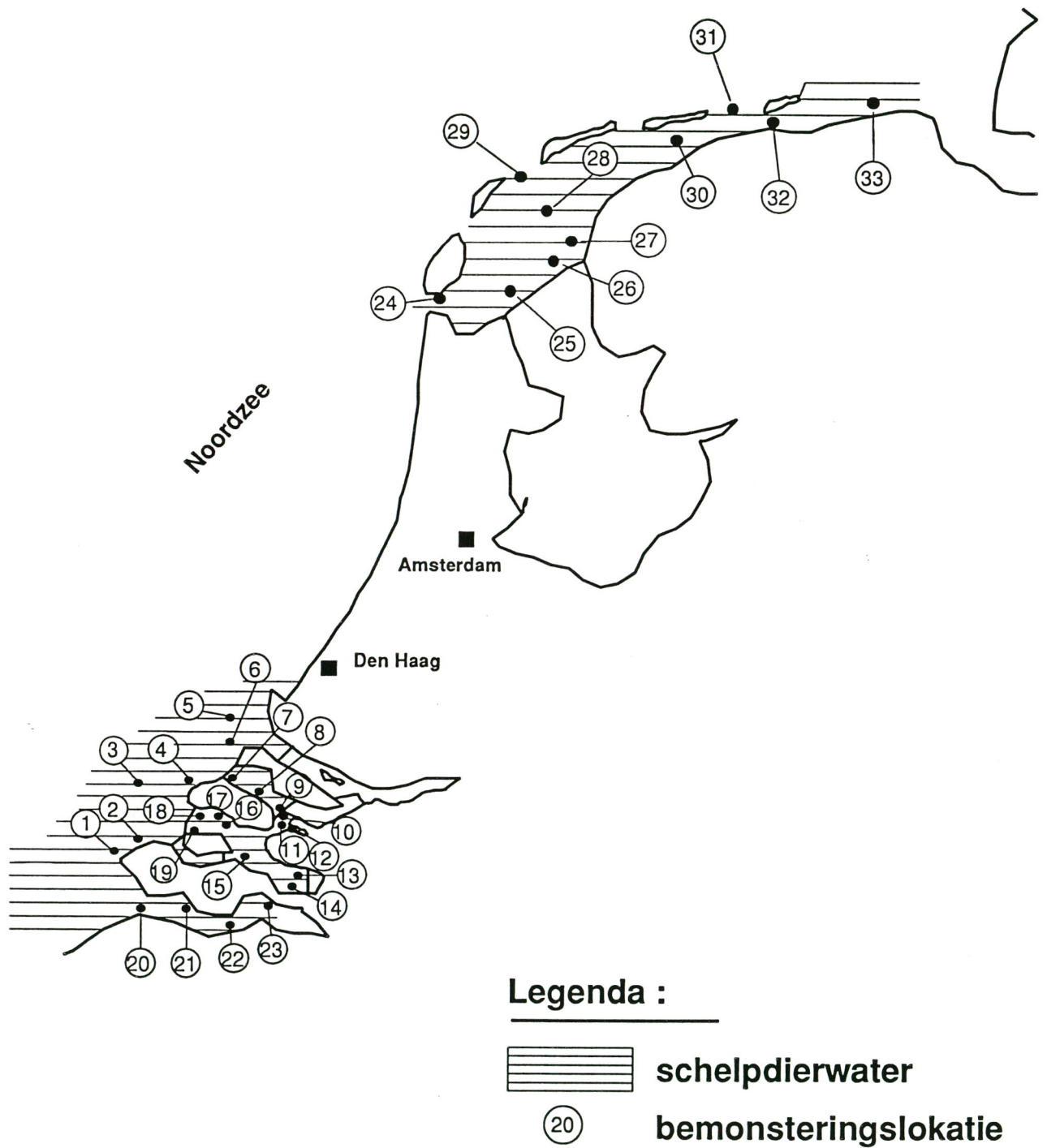
- Grevelingenmeer
- Oosterschelde
- Westerschelde (alleen het westelijke deel)

WADDENZEE

- Noord-Hollandse deel
- Friese deel
- Groningse deel

Een overzicht van de in deze rapportage betrokken lokaties is gegeven in tabel 1 op blz. 9. De situering van de lokaties komt tot uiting in figuur 1 op blz. 8.

Figuur 1. Situering bemonsteringslokaties



Tabel 1. Bemonsteringslokaties.

| nr. | Water | Bemonsteringslokatie | code |
|-------------------------|--------------------------|----------------------|---------|
| NOORDZEE | | | |
| | België - Hoek v. Holland | | |
| 1. | „ | Walcheren 2 | NZRWC2 |
| 2. | „ | Domburg | NZB410 |
| 3. | „ | Schouwen 10 | NZRSW10 |
| 4. | „ | Nw. Haamstede | NZB420 |
| 5. | „ | Goeree 6 | NZRGR6 |
| 6. | „ | Ouddorp | NZB430 |
| ZUIDELIJKE DELTA | | | |
| 7. | Grevelingenmeer | Scharendijke | GM80 |
| 8. | Grevelingenmeer | Dreischor | GM40 |
| 9. | Grevelingenmeer | Bruinisse | GM20 |
| 10. | Oosterschelde | Philipsdam west | OS5 |
| 11. | Oosterschelde | Zijpe | OS40 |
| 12. | Oosterschelde | Krabbekreek | OS30 |
| 13. | Oosterschelde | Lodijkse gat | OS10 |
| 14. | Oosterschelde | Yerseke | OS20 |
| 15. | Oosterschelde | Oosterschelde | OS80 |
| 16. | Oosterschelde | Zierikzee de Val | OS90 |
| 17. | Oosterschelde | Hammen oost | OS110 |
| 18. | Oosterschelde | Roggenplaat | OS130 |
| 19. | Oosterschelde | Roompot | OS140 |
| 20. | Westerschelde | Vlissingen | WS160 |
| 21. | Westerschelde | Hoofdplaat | WS140 |
| 22. | Westerschelde | Terneuzen | WS130 |
| 23. | Westerschelde | Hansweert | WS100 |
| WADDENZEE | | | |
| 24. | Noord-Hollandse deel | Marsdiep | WZ30 |
| 25. | „ | Doove Balg | WZ110 |
| 26. | Friese deel | Kornwerderzand | WZ200 |
| 27. | „ | Harlingen | WZ310 |
| 28. | „ | Blauwe Slenk | WZ230 |
| 29. | „ | Vliestroom | WZ190 |
| 30. | „ | Dantziggat | WZ420 |
| 31. | „ | Wierumergronden | WZ460 |
| 32. | „ | Zoutkamperlaag | WZ480 |
| 33. | Groningse deel | Zuid Oost Lauwers | WZ590 |

3. Doelstelling Schelpdierwater

De waterkwaliteitsdoelstelling schelpdierwater en de daarop van toepassing zijnde bepalingen staan omschreven in het Besluit "Kwaliteitsdoelstellingen en metingen oppervlaktewateren" van 3 november 1983 (Staatsblad 1983, 606).

Bijlage IV van dit besluit bevat de normen waarop de toetsing van de waterkwaliteitsdoelstelling berust. Volledigheidshalve zijn de normen hieronder weergegeven in tabel 2.

TABEL 2. Normen schelpdierwater

| Parameter | Norm | Onderzoeksfrequentie per jaar ¹ |
|--|--|--|
| Zuurgraad | pH 7,5 ≤ pH ≤ 9,0 | 4 |
| Temperatuur | °C De verhoging van de gemeten waarde ten opzichte van de natuurlijke waarden mag niet meer zijn dan 2 °C | 4 |
| Kleurintensiteit | mg/l (Pt) Het verschil tussen de gemeten waarde en de natuurlijke waarde mag niet meer zijn dan 10 mg Pt/l | 4 |
| Gesuspendeerde stoffen | mg/l De verhoging van de gemeten waarde ten opzichte van de natuurlijke waarde mag niet meer zijn dan 30 % van de natuurlijke waarde | 4 |
| Saliniteit | g/kg ≤ 40 Het verschil tussen de gemeten waarde en de natuurlijke waarde mag niet meer zijn dan 10 % van de natuurlijke waarde | 12 |
| Olie | - Geen zichtbare film op het wateroppervlak. Geen afzetting op de schelpdieren | 4 |
| Geur | - De schelpdieren mogen niet worden gekenmerkt door een onnatuurlijke geur | 2 |
| Smaak | - De schelpdieren mogen niet worden gekenmerkt door een onnatuurlijke smaak | 2 |
| Thermotolerante bacteriën van de coli groep | aantal/ml ≤ 3 in het schelpdier vlees en de vloeistof binnen de schelp van het schelpdier | 4 |
| Zuurstof opgelost | mg/l-O ₂ ≥ 7 | 12 |
| Gehalogeneerde organische stoffen en de metalen: Arseen Cadmium Chroom Koper Kwik Lood Nikkel Zilver Zink | De concentraties van deze in het schelpdierwater of in schelpdier vlees mogen geen schadelijke effecten veroorzaken op de schelpdieren en hun larven | 2 |

- 1a De onderzoeksfrequentie kan per parameter worden teruggebracht van 12 tot 4 en van 4 tot 1 indien:
- 1° onderzoek gedurende de twee voorafgaande jaren heeft aangetoond dat de desbetreffende norm geen enkele maal anders dan als gevolg van uitzonderlijke weersomstandigheden is overschreden, alsmede
 - 2° redelijkerwijs kan worden aangenomen dat de norm niet zal worden overschreden.
- 1b Geen onderzoek behoeft plaats te vinden indien:
- 1° onderzoek heeft aangetoond dat de waterkwaliteit aan de kwaliteitsdoelstelling voldoet, alsmede
 - 2° geen afvalstoffen, verontreinigende of schadelijke stoffen in het water gebracht worden, alsmede
 - 3° redelijkerwijs kan worden aangenomen dat zodanige stoffen niet in het water zullen worden gebracht.
- 2 Een onderzoek vindt plaats indien ten aanzien van het schelpdier vlees een smaak- of geurafwijking wordt vermoed.

Voorschriften ten aanzien van de toetsing

Met het oog op de beantwoording van de vraag of aan de kwaliteitsdoelstelling is voldaan, dient te worden nagegaan of er overschrijdingen van de normen zijn opgetreden. Daarbij dienen niet te worden meegerekend:

- a. overschrijdingen van de normen die zijn veroorzaakt door uitzonderlijke weersomstandigheden,
- b. per kalenderjaar per parameter één overschrijding van de norm voor parameters ten aanzien waarvan 12 keer per jaar onderzoek dient plaats te vinden, indien minstens 11 waarnemingen beschikbaar zijn waaronder geen overschrijding als bedoeld onder a voorkomt, met dien verstande dat de overschrijding niet meer mag bedragen dan 50% van de norm. Wanneer waarnemingen zijn uitgevallen als gevolg van ijsbedekking, geldt dit voorschrift indien minstens 10 waarnemingen beschikbaar zijn waaronder geen overschrijding als bedoeld onder a voorkomt.

4. Overzicht van resultaten 1986 - 1992

De toetsresultaten van de voor toetsing relevante parameters pH, saliniteit, zuurstof en thermotolerante bacteriën van de coli groep worden voor de jaren 1986 - 1992 gepresenteerd in de bijlagen, beginnend op bladzijde 16. Links staan de resultaten in tabelvorm en rechts zijn de resultaten grafisch weergegeven. De tabellen spreken voor zich maar de grafieken behoeven een nadere uitleg.

Bij sommige meetlocaties staan 3 of 4 grafieken, afhankelijk van het feit of de betreffende parameter niet of wel is gemeten.

In elke grafiek staat met een onderbroken streepjeslijn de aan te houden normwaarden behorende bij die parameter.

Het al dan niet voldoen aan de normen uit het Besluit "Kwaliteitsdoelstellingen en metingen oppervlaktewateren" wordt bovenaan in elke grafiek aangegeven met een "+" (voldoet wel) of een "-" (voldoet niet). Een blanco plaats geeft aan dat de betreffende parameter op die lokatie in dat jaar niet is bepaald.

Ook kan het voorkomen dat er in bepaalde jaren wel metingen zijn verricht, maar dat deze metingen in die betreffende jaren niet zijn meegenomen in de toetsing van de waterkwaliteit.

Tenslotte is in elke grafiek aangegeven hoe de toetsing in 1992 is verlopen. Voor het jaar 1992 zijn geen meetwaarden in de tabellen opgenomen, noch zijn deze resultaten grafisch weergegeven. Alleen de uitslag (een "+" of een "-") is aangegeven.

5. Konklusies

Bij het overzicht van de gepresenteerde resultaten van het schelpdierwateronderzoek in de nederlandse rijkswateren vanaf 1986 tot 1992 en bij de toetsresultaten van 1992 kunnen de volgende konklusies worden getrokken:

1. In de rapportages zijn geen kwantitatieve toetsingsresultaten weergegeven voor de parameters: kleur, gesuspendeerde stoffen, koolwaterstoffen op oliebasis, geur, smaak, gehalogeneerde organische stoffen en metalen. In een aantal gevallen is wel kwalitatief onderzoek naar deze parameters verricht, doch er hebben zich geen situaties voorgedaan die verder onderzoek noodzakelijk maakten.
Als gevolg van het ontbreken van numerieke uitkomsten van dit onderzoek werden de beoordelingsresultaten voor deze parameters tot dusverre niet in het databestand opgenomen.
Voor de parameters: olie, geur, smaak, gehalogeneerde organische stoffen en metalen geeft de EEG-richtlijn en de AMvB ook geen getalsnormen.
2. Aan de norm voor de parameter pH wordt, voor zover bepaald, in bijna alle wateren voldaan. Voor deze parameter voldoen 2 lokaties alleen in 1987 niet aan de norm. De overschrijdingen zijn doorgaans minder dan 10% van de normwaarde (norm » 7,5), zie bijlage 11 en 12.
3. Aan de norm voor de parameter saliniteit wordt, voor zover bepaald, in alle wateren voldaan.
4. Aan de norm voor de parameter zuurstof wordt, voor zover bepaald, niet in alle wateren voldaan. In 1987 voldeden 3 lokaties niet de norm. Het maximum werd bereikt in 1989 toen 5 lokaties niet voldeden. De laatste 3 jaren t/m 1992 waren er jaarlijks 2 lokaties die niet voldeden. De meeste overschrijdingen vonden plaats in Harlingen (bijlage 27).
3. De norm voor thermotolerante colibacteriën (« 3 per ml in het schelpdier-
vlees en de vloeistof binnen de schelp van het schelpdier) is getoetst aan de gehalten in de waterfase. In de meeste gevallen waren de gehalten in de waterfase duidelijk lager dan 3 per ml, zodat mag worden verwacht dat de gehalten in het schelpdier-
vlees ook aan de norm kunnen voldoen.
Op een aantal lokaties werden te hoge gehalten in de waterfase gemeten. In 1986 ging het om 2 lokaties en in het daarop volgende jaar 4. In de jaren 1988 t/m 1991 ging het om gemiddeld 2 lokaties per jaar die niet voldeden. In 1992 voldeden alle lokaties aan de norm voor thermotolerante colibacteriën. De meeste overschrijdingen vonden plaats in Hoofdplaat (bijlage 21), Terneuzen (bijlage 22) en Harlingen (bijlage 27).

6. Referenties

- Schelpdierwater, onderzoek in de rijkswateren 1986,
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nota D.B.W./RIZA 87.049, R.M.A. Breukel, november 1987
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rapport DGW 94.018, H.J. de Kruik en A. van Dongen, mei 1994

Bijlagen

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| Bijlage 1. | overzicht resultaten lokatie | Noordzee, Walcheren 2 | NZRWC2 |
| Bijlage 2. | overzicht resultaten lokatie | Noordzee, Domburg | NZB410 |
| Bijlage 3. | overzicht resultaten lokatie | Noordzee, Schouwen 10 | NZRSW10 |
| Bijlage 4. | overzicht resultaten lokatie | Noordzee, Nw. Haamstede | NZB420 |
| Bijlage 5. | overzicht resultaten lokatie | Noordzee, Goeree 6 | NZRGR6 |
| Bijlage 6. | overzicht resultaten lokatie | Noordzee, Ouddorp | NZB430 |
| | | | |
| Bijlage 7. | overzicht resultaten lokatie | Grevelingenmeer, Scharendijke | GM80 |
| Bijlage 8. | overzicht resultaten lokatie | Grevelingenmeer, Dreischor | GM40 |
| Bijlage 9. | overzicht resultaten lokatie | Grevelingenmeer, Bruinisse | GM20 |
| | | | |
| Bijlage 10. | overzicht resultaten lokatie | Oosterschelde, Philipsdam west | OS5 |
| Bijlage 11. | overzicht resultaten lokatie | Oosterschelde, Zijpe | OS40 |
| Bijlage 12. | overzicht resultaten lokatie | Oosterschelde, Krabbekreek | OS30 |
| Bijlage 13. | overzicht resultaten lokatie | Oosterschelde, Lodijkse gat | OS10 |
| Bijlage 14. | overzicht resultaten lokatie | Oosterschelde, Yerseke | OS20 |
| Bijlage 15. | overzicht resultaten lokatie | Oosterschelde, Oosterschelde | OS80 |
| Bijlage 16. | overzicht resultaten lokatie | Oosterschelde, Zierikzee de Val | OS90 |
| Bijlage 17. | overzicht resultaten lokatie | Oosterschelde, Hammen oost | OS110 |
| Bijlage 18. | overzicht resultaten lokatie | Oosterschelde, Roggenplaat | OS130 |
| Bijlage 19. | overzicht resultaten lokatie | Oosterschelde, Roompot | OS140 |
| | | | |
| Bijlage 20. | overzicht resultaten lokatie | Westerschelde, Vlissingen | WS160 |
| Bijlage 21. | overzicht resultaten lokatie | Westerschelde, Hoofdplaat | WS140 |
| Bijlage 22. | overzicht resultaten lokatie | Westerschelde, Terneuzen | WS130 |
| Bijlage 23. | overzicht resultaten lokatie | Westerschelde, Hansweert | WS100 |
| | | | |
| Bijlage 24. | overzicht resultaten lokatie | Waddenzee, Marsdiep | WZ30 |
| Bijlage 25. | overzicht resultaten lokatie | Waddenzee, Doove Balg | WZ110 |
| Bijlage 26. | overzicht resultaten lokatie | Waddenzee, Kornwerderzand | WZ200 |
| Bijlage 27. | overzicht resultaten lokatie | Waddenzee, Harlingen | WZ310 |
| Bijlage 28. | overzicht resultaten lokatie | Waddenzee, Blauwe Slenk | WZ230 |
| Bijlage 29. | overzicht resultaten lokatie | Waddenzee, Vliestroom | WZ190 |
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| Bijlage 31. | overzicht resultaten lokatie | Waddenzee, Wierumergronden | WZ460 |
| Bijlage 32. | overzicht resultaten lokatie | Waddenzee, Zoutkamperlaag | WZ480 |
| Bijlage 33. | overzicht resultaten lokatie | Waddenzee, Zuid oost Lauwers | WZ590 |

bijlage 1

lokatie: **Noordzee, Walcheren 2**

code: NZRWC2

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|------------|------------|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.2 8.6 | 8.3 8.5 | 8.3 | 8.5 | 8.4 | 8.4 | 8.7 | 8.5 | 8.5 | 8.7 | 8.5 | 8.5 |
| 1987 | 8.4 | 8.5 | 8.5 | 8.8 | 9.0 | 8.5 | 7.5 | 8.2 | 8.3 | 8.4 | 8.3 | 8.4 |
| 1988 | 8.4 | 8.4 | 8.3 | 8.1 | 8.3 | 8.5 | 8.4 | 8.4 | 8.2 | 8.2 | 8.3 | 8.3 |
| 1989 | 8.5 | 8.1 | 9.1 | 8.3 | 8.6 | 8.5 | 8.4 | 8.1 | 8.1 | 8.1 | 8.2 | |
| 1990 | 8.2 | 8.0 | 8.4 | 8.5 | 8.3 | 8.3 | 8.4 | 8.1 | 8.6 | | | |
| 1991 | 8.0 8.0 | 8.1 8.1 | 8.0 8.1 | 8.3 | 8.8 | 8.3 | 8.1 | 8.3 | 8.1 | 8.0 | 8.1 | 8.1 |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|----------------|----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 32.33 33.59 | 31.39 34.62 | 31.68 32.95 | 32.41 | 31.26 | 29.80 | 31.39 | 33.00 | 32.41 | 33.00 | 32.30 | 33.88 |
| 1987 | 31.98 | 31.49 | 31.82 | 31.17 | 31.82 | 31.17 | 30.85 | 29.80 | 31.17 | 30.85 | 31.10 | |
| 1988 | 30.85 | 31.40 | 30.30 | 28.30 | 29.65 | 30.20 | 30.45 | 32.45 | 32.00 | 33.45 | 32.65 | 30.85 |
| 1989 | 31.50 | 31.15 | 31.35 | 32.70 | 31.70 | 31.90 | 32.15 | 31.55 | 32.17 | 31.45 | 33.05 | |
| 1990 | 32.95 | 32.63 | 33.00 | 32.98 | 33.24 | 33.28 | 33.80 | 34.04 | 32.29 | | | |
| 1991 | 33.04 33.45 | 33.08 33.72 | 32.49 33.35 | 32.30 | 31.84 | 32.08 | 32.15 | 33.47 | 33.82 | 33.67 | 33.36 | 33.26 |

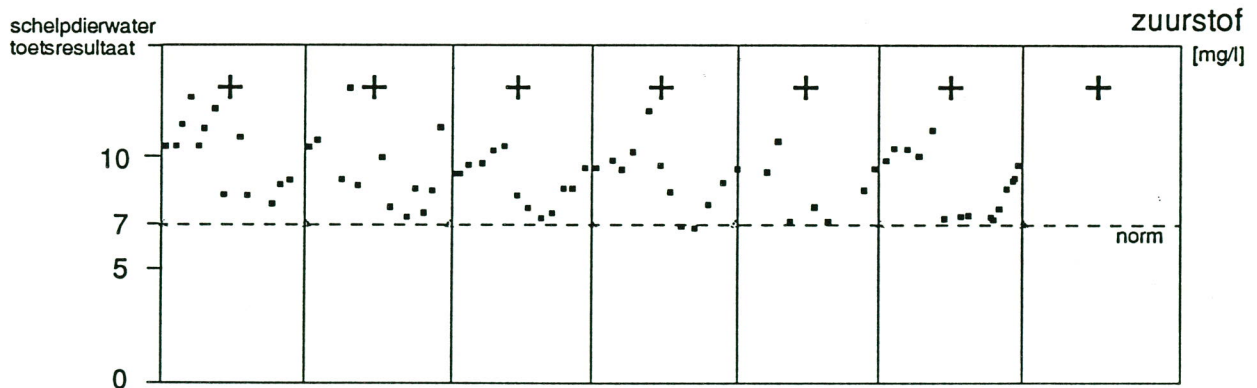
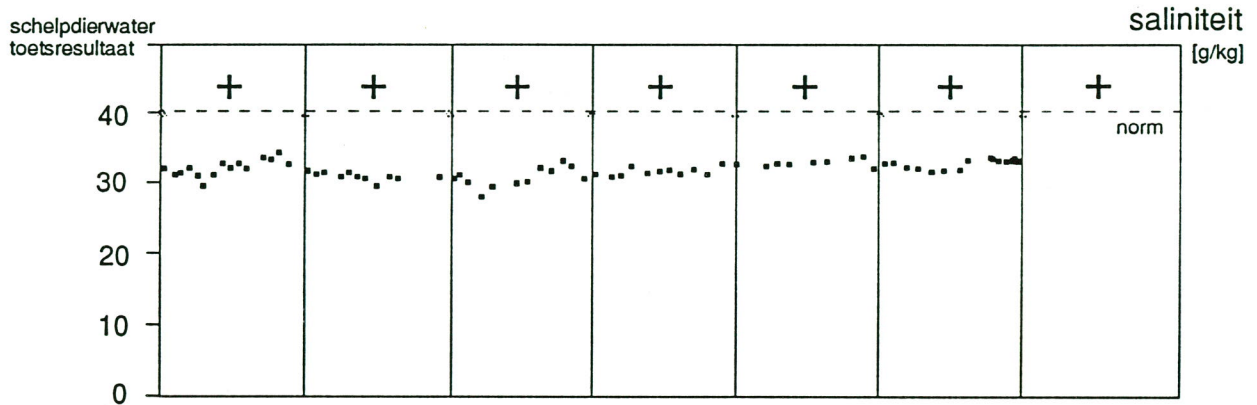
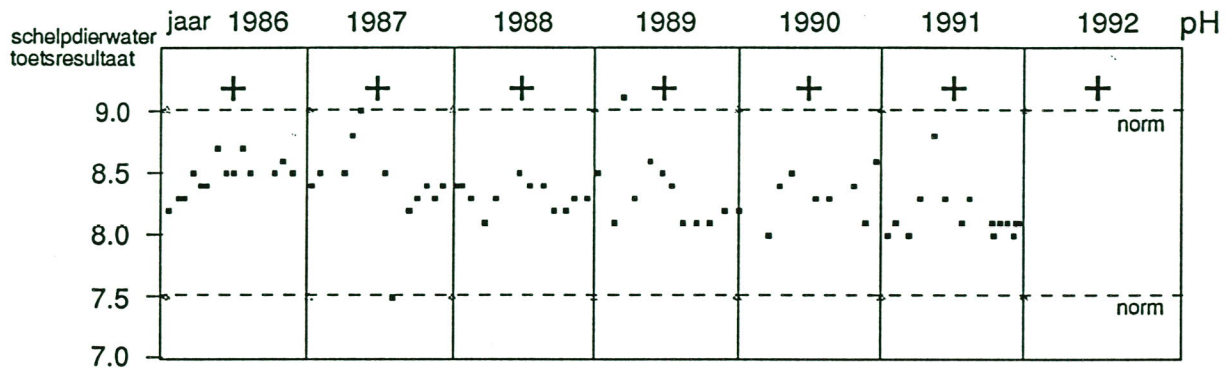
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|---------------|---------------|---------------|---------------|-------|-------|-------|------|-------|------|------|-------|
| 1986 | 10.47 8.95 | 10.49 | 11.44 | 12.66 | 10.48 | 11.27 | 12.14 | 8.31 | 10.87 | 8.27 | 7.92 | 8.75 |
| 1987 | 10.45 | 10.75 | 8.99 | 13.07 | 8.73 | 9.98 | 7.78 | 7.34 | 8.59 | 7.53 | 8.50 | 11.32 |
| 1988 | 9.25 9.49 | 9.24 | 9.63 | 9.71 | 10.30 | 10.50 | 8.27 | 7.74 | 7.28 | 7.50 | 8.59 | 8.60 |
| 1989 | 9.50 | 9.83 | 9.42 | 10.22 | 12.04 | 9.60 | 8.44 | 6.92 | 6.83 | 7.89 | 8.84 | |
| 1990 | 9.45 | 9.31 | 10.71 | 7.14 | 7.78 | 7.13 | 8.52 | 9.46 | | | | |
| 1991 | 9.83 8.59 | 10.38 8.94 | 10.33 9.04 | 10.04 9.63 | 11.20 | 7.27 | 7.38 | 7.42 | 7.35 | 7.22 | 7.72 | |

lokatie: **Noordzee, Walcheren 2**

code: NZRWC2



bijlage 2

lokatie: **Noordzee, Domburg**

code: NZB410

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 7.9 | 7.9 | 7.8 | 8.1 | | | | | | | |
| 1987 | 8.0 | 7.8 | 8.0 | 8.0 | 8.2 | 8.0 | 8.0 | 8.1 | 8.0 | 8.0 | 7.9 | 7.9 |
| 1988 | 7.9 | 8.3 | 8.3 | 8.1 | 8.2 | 8.1 | 8.1 | 8.3 | 8.2 | 8.1 | 8.0 | 7.9 |
| | 8.0 | 8.0 | | | | | | | | | | |
| 1989 | 8.4 | 8.6 | 8.3 | 8.2 | 8.3 | 8.2 | 8.3 | 8.2 | 8.2 | 8.1 | 8.1 | 8.1 |
| | 8.0 | | | | | | | | | | | |
| 1990 | 8.2 | 8.3 | 8.3 | 8.2 | 8.0 | 8.2 | 8.3 | 8.2 | 8.2 | 8.1 | 8.0 | 8.1 |
| | 8.0 | 8.0 | | | | | | | | | | |
| 1991 | 8.1 | 8.9 | 8.6 | 8.1 | 7.9 | 8.1 | 8.1 | 8.2 | 8.2 | 8.2 | 8.1 | 8.1 |
| | 8.1 | 7.9 | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 33.22 | 31.98 | 32.52 | 30.67 | 21.59 | 32.71 | 32.85 | 32.56 | 32.76 | 32.91 | 32.96 | 33.44 |
| | 33.59 | 33.16 | 33.77 | | | | | | | | | |
| 1987 | 31.98 | 31.49 | 31.01 | 29.88 | 31.01 | 31.43 | 31.65 | 31.33 | 30.70 | | | |
| 1988 | 29.25 | 31.50 | 30.55 | 30.10 | 28.70 | 29.95 | 32.05 | 32.45 | 32.55 | 31.50 | 32.40 | 32.95 |
| | 32.45 | | | | | | | | | | | |
| 1989 | 32.60 | 31.15 | 31.35 | 31.40 | 32.65 | 31.80 | 32.05 | 31.05 | 32.15 | 31.90 | 31.35 | 30.75 |
| | 31.30 | | | | | | | | | | | |
| 1990 | 32.80 | 32.65 | 32.72 | 32.54 | 32.11 | 33.24 | 32.18 | 32.30 | 33.04 | 33.22 | 33.33 | 33.53 |
| | 33.80 | 33.83 | | | | | | | | | | |
| 1991 | 32.02 | 31.79 | 32.31 | 31.83 | 31.33 | 32.40 | 32.80 | 33.34 | 33.68 | 33.62 | 33.23 | 33.47 |
| | 33.70 | 33.24 | | | | | | | | | | |

meetresultaten (norm: »7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1986 | 7.50 | 6.60 | 12.24 | 10.24 | 9.75 | 8.60 | 8.68 | 8.27 | 7.98 | 7.51 | 8.04 | 4.81 |
| | 8.35 | 8.29 | 9.31 | | | | | | | | | |
| 1987 | 8.62 | 11.00 | 10.58 | 8.43 | 7.40 | 7.59 | 8.06 | 7.89 | 7.96 | 8.38 | 9.10 | 8.64 |
| 1988 | 9.58 | 8.76 | 8.51 | 8.02 | 8.24 | 8.10 | 8.04 | 7.89 | 7.65 | 8.30 | 8.19 | 8.60 |
| | 8.50 | 9.43 | | | | | | | | | | |
| 1989 | 9.51 | 11.10 | 8.43 | 8.11 | 7.88 | 7.80 | 7.62 | 7.55 | 7.65 | 8.06 | 7.53 | 8.58 |
| | 8.15 | | | | | | | | | | | |
| 1990 | 8.86 | 8.01 | 7.95 | 7.57 | 4.40 | 7.85 | 7.58 | 7.70 | 7.53 | 7.84 | 7.89 | 8.25 |
| | 8.29 | 8.62 | | | | | | | | | | |
| 1991 | 8.28 | 9.28 | 8.82 | 7.39 | 5.70 | 7.77 | 7.81 | 7.61 | 7.67 | 7.66 | 7.80 | 7.69 |
| | 8.07 | 8.41 | | | | | | | | | | |

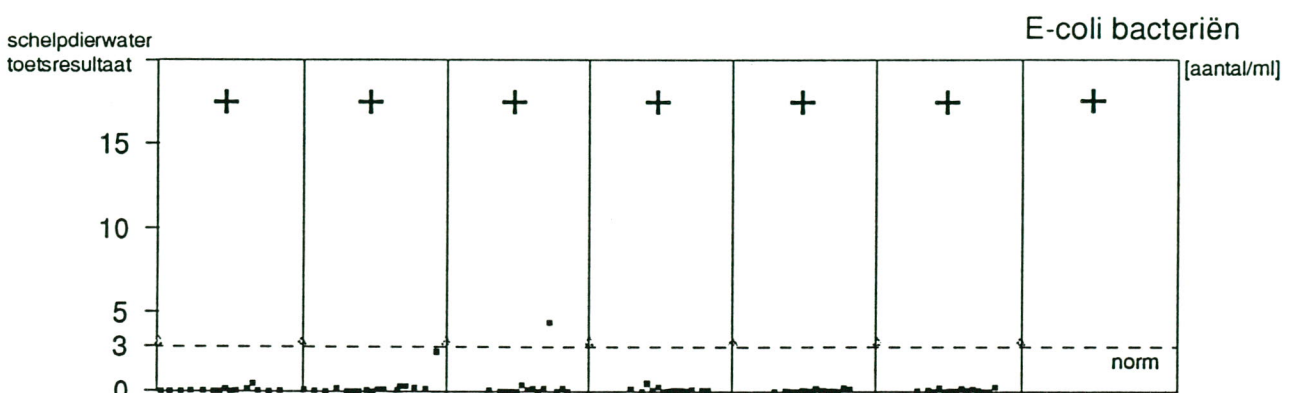
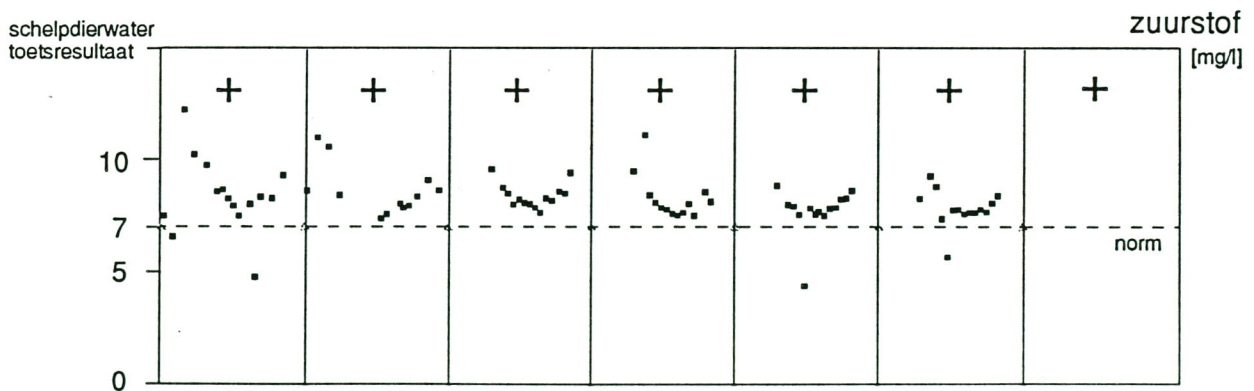
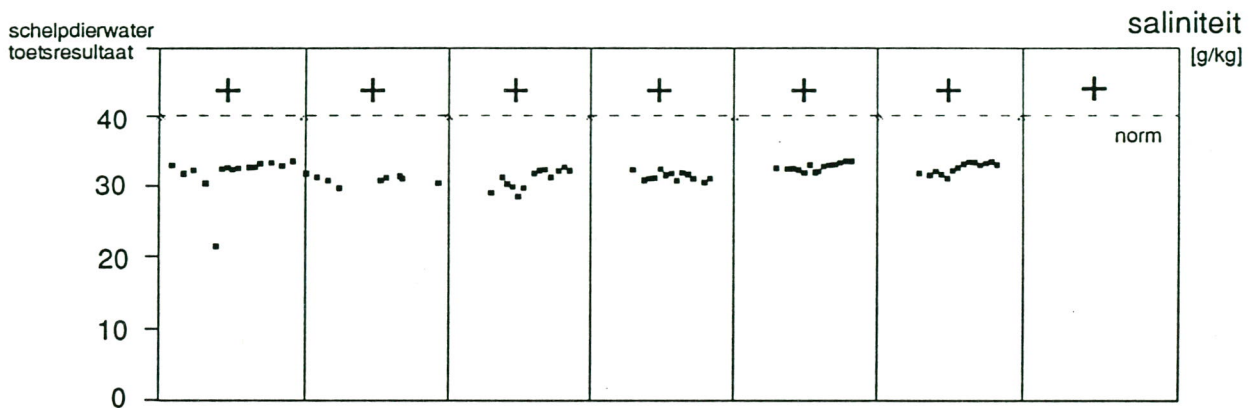
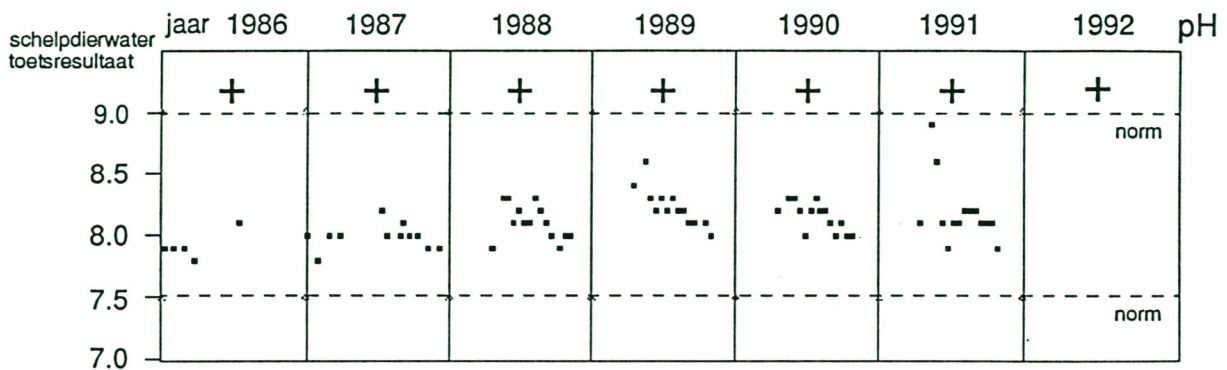
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1986 | 0.02 | 0.02 | 0.02 | 0.04 | 0.04 | 0.02 | 0.02 | 0.17 | 0.02 | 0.04 | 0.17 | 0.49 |
| | 0.04 | 0.02 | 0.04 | | | | | | | | | |
| 1987 | 0.13 | 0.04 | 0.02 | 0.22 | 0 | 0 | 0 | 0.07 | 0.02 | 0.13 | 0.13 | 0.08 |
| | 0.33 | 0.33 | 0.23 | 0.17 | 2.40 | | | | | | | |
| 1988 | 0.10 | 0 | 0 | 0 | 0 | 0.40 | 0.12 | 0.22 | 0 | 0.22 | 4.20 | 0.02 |
| | 0.22 | 0 | | | | | | | | | | |
| 1989 | 0.17 | 0.02 | 0.50 | 0.11 | 0.30 | 0 | 0.04 | 0.07 | 0.07 | 0.04 | 0.13 | 0.11 |
| | 0.11 | | | | | | | | | | | |
| 1990 | 0 | 0.04 | 0 | 0.02 | 0.09 | 0.04 | 0.04 | 0.22 | 0.07 | 0.04 | 0.04 | 0.02 |
| | 0.23 | 0.17 | | | | | | | | | | |
| 1991 | 0.04 | 0.08 | 0.02 | 0.23 | 0 | 0.04 | 0.04 | 0.22 | 0.08 | 0.17 | 0.07 | 0.02 |
| | 0.02 | 0.30 | | | | | | | | | | |

lokatie: **Noordzee, Domburg**

code: NZB410



bijlage 3

lokatie: **Noordzee, Schouwen 10**

code: NZRSW10

meetresultaten (norm: 7.5 < pH < 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.4 | 8.3 | 8.3 | 8.5 | 8.4 | 8.4 | 8.7 | 8.5 | 8.6 | 8.7 | 8.4 | 8.5 |
| | 8.6 | 8.6 | 8.5 | | | | | | | | | |
| 1987 | 8.4 | 8.5 | 8.5 | 8.7 | 8.9 | 8.4 | 7.6 | 8.3 | 8.4 | 8.4 | 8.4 | 8.4 |
| 1988 | 8.4 | 8.5 | 8.3 | 8.2 | 8.3 | 8.5 | 8.4 | 8.4 | 8.2 | 8.3 | 8.4 | 8.3 |
| 1989 | 8.5 | 8.1 | 8.1 | 8.4 | 8.3 | 8.4 | 8.3 | 8.2 | 8.1 | 8.1 | 8.2 | |
| 1990 | 8.2 | 8.1 | 8.4 | 8.6 | 8.3 | 8.3 | 8.4 | 8.1 | 8.6 | | | |
| 1991 | 8.1 | 8.1 | 8.1 | 8.3 | 8.8 | 8.4 | 8.1 | 8.2 | 8.1 | 8.1 | 8.1 | |

meetresultaten (norm: < 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 33.42 | 31.10 | 32.71 | 33.00 | 32.94 | 30.67 | 32.85 | 33.88 | 33.15 | 33.15 | 32.78 | 33.59 |
| | 34.32 | 33.88 | 33.60 | | | | | | | | | |
| 1987 | 31.49 | 32.30 | 30.85 | 30.53 | 32.63 | 31.82 | 31.65 | 32.06 | 31.65 | 30.85 | 31.40 | |
| 1988 | 32.55 | 32.80 | 32.65 | 31.00 | 30.20 | 30.75 | 31.50 | 33.30 | 32.15 | 33.45 | 33.45 | 31.25 |
| 1989 | 31.90 | 32.00 | 33.25 | 33.25 | 32.25 | 32.55 | 32.50 | 32.20 | 32.72 | 31.85 | 32.45 | |
| 1990 | 33.68 | 33.68 | 33.60 | 33.24 | 32.99 | 33.48 | 34.04 | 34.45 | 32.40 | | | |
| 1991 | 33.33 | 32.76 | 33.22 | 32.77 | 32.95 | 32.71 | 33.42 | 33.98 | 33.76 | 34.11 | 34.17 | |

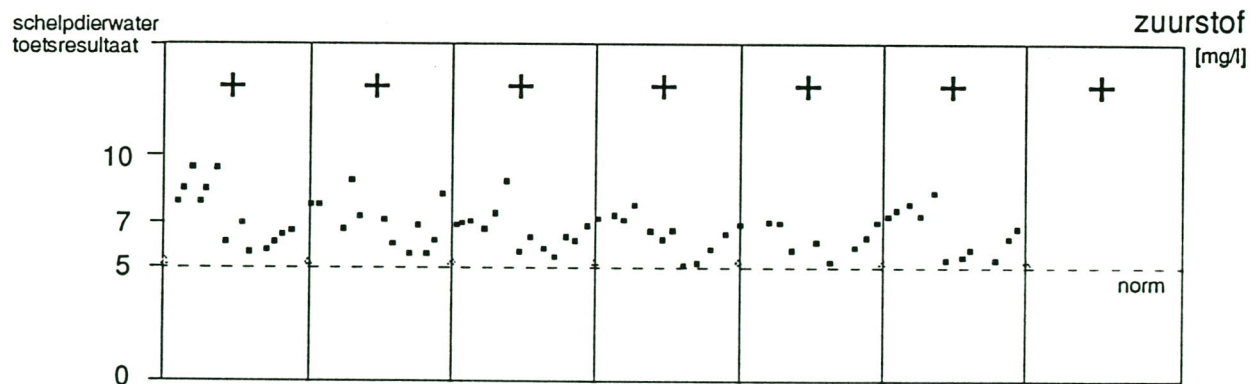
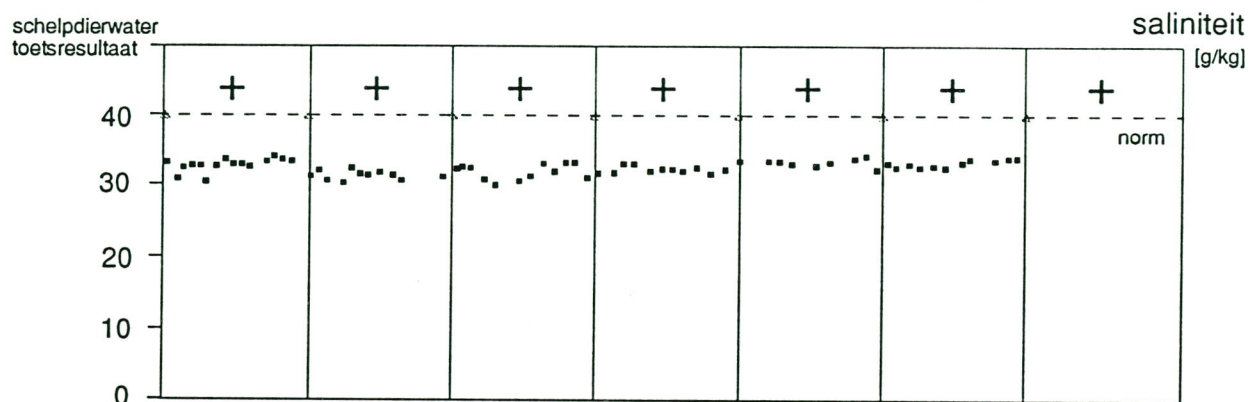
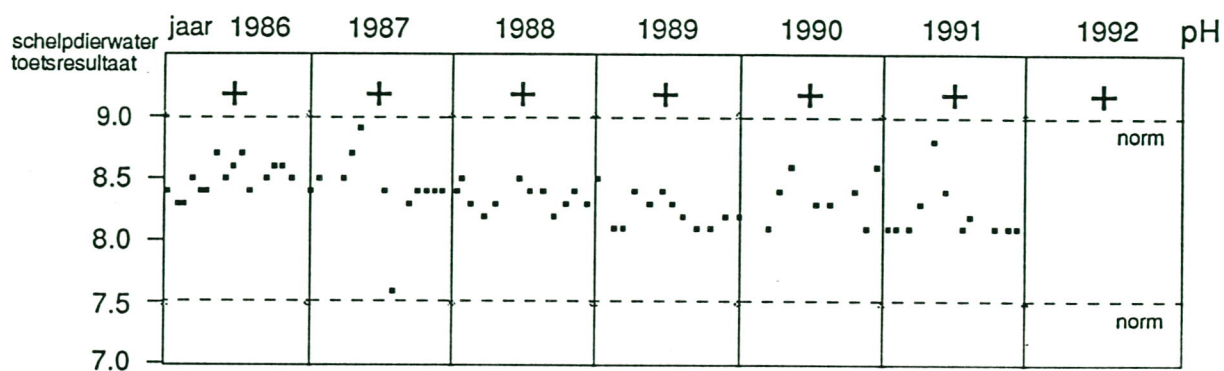
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|-------|
| 1986 | 10.60 | 11.39 | 12.64 | 10.58 | 11.36 | 12.60 | 8.22 | 9.34 | 7.63 | 7.76 | 8.23 | 8.66 |
| | 8.87 | | | | | | | | | | | |
| 1987 | 10.43 | 10.43 | 9.00 | 11.87 | 9.75 | 9.54 | 8.15 | 7.54 | 9.21 | 7.54 | 8.34 | 11.06 |
| 1988 | 9.22 | 9.32 | 9.47 | 9.00 | 9.93 | 11.80 | 7.65 | 8.49 | 7.84 | 7.34 | 8.54 | 8.30 |
| | 9.17 | | | | | | | | | | | |
| 1989 | 9.59 | 9.81 | 9.52 | 10.40 | 8.86 | 8.38 | 8.92 | 6.86 | 6.98 | 7.80 | 8.70 | |
| 1990 | 9.22 | 9.40 | 9.32 | 7.73 | 8.24 | 7.03 | 7.92 | 8.48 | 9.37 | | | |
| 1991 | 9.75 | 10.11 | 10.48 | 9.78 | 11.15 | 7.17 | 7.35 | 7.78 | 7.17 | 8.43 | 9.02 | |

lokatie: **Noordzee, Schouwen 10**

code: NZRSW10



bijlage 4

lokatie: **Noordzee, Nw. Haamstede**

code: NZB420

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.1 | | | | | | | | | | | |
| 1987 | 8.1 | | | | | | | | | | | |
| 1988 | 7.9 | 7.9 | 8.4 | 8.2 | 8.2 | 8.1 | 8.1 | 8.3 | 8.2 | 8.2 | 8.0 | 7.9 |
| | 8.0 | 8.1 | | | | | | | | | | |
| 1989 | 8.6 | 8.6 | 8.4 | 8.3 | 8.4 | 8.3 | 8.3 | 8.2 | 8.2 | 8.2 | 8.1 | 8.1 |
| | 8.1 | | | | | | | | | | | |
| 1990 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.2 | 8.3 | 8.2 | 8.3 | 8.2 | 8.1 | 8.2 |
| | 8.1 | 8.0 | | | | | | | | | | |
| 1991 | 8.6 | 9.0 | 8.7 | 8.4 | 8.1 | 8.2 | 8.1 | 8.2 | 8.2 | 8.2 | 8.1 | 8.1 |
| | 8.1 | 7.9 | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 29.40 | 30.70 | 30.30 | 29.65 | 28.05 | 30.35 | 31.90 | 32.80 | 32.70 | 30.70 | 32.15 | 33.20 |
| | 32.40 | | | | | | | | | | | |
| 1989 | 32.45 | 31.25 | 30.30 | 31.00 | 32.45 | 31.75 | 31.70 | 30.75 | 31.95 | 30.25 | 32.40 | 31.60 |
| | 31.05 | | | | | | | | | | | |
| 1990 | 33.25 | 33.09 | 31.97 | 32.56 | 33.06 | 33.47 | 31.11 | 32.41 | 32.98 | 33.19 | 32.69 | 33.66 |
| | 33.78 | 32.91 | | | | | | | | | | |
| 1991 | 32.57 | 31.74 | 31.83 | 32.10 | 32.17 | 32.04 | 33.10 | 33.49 | 33.51 | 32.96 | 32.55 | 33.73 |
| | 33.39 | 32.68 | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|------|------|------|------|------|------|------|------|------|------|
| 1988 | 9.59 | 8.96 | 8.83 | 8.20 | 8.26 | 8.31 | 8.02 | 8.20 | 7.69 | 8.91 | 8.15 | 8.90 |
| | 8.48 | 9.39 | | | | | | | | | | |
| 1989 | 10.09 | 11.04 | 8.69 | 7.50 | 8.12 | 8.18 | 7.69 | 7.49 | 7.63 | 8.13 | 7.45 | 8.51 |
| | 8.64 | | | | | | | | | | | |
| 1990 | 9.26 | 8.16 | 8.25 | 8.63 | 9.61 | 7.99 | 7.80 | 8.10 | 7.52 | 7.73 | 8.28 | 8.38 |
| | 8.54 | 8.27 | | | | | | | | | | |
| 1991 | 9.75 | 9.22 | 9.41 | 8.56 | 8.01 | 7.81 | 7.73 | 7.78 | 7.75 | 7.60 | 7.59 | 7.88 |
| | 8.07 | 8.38 | | | | | | | | | | |

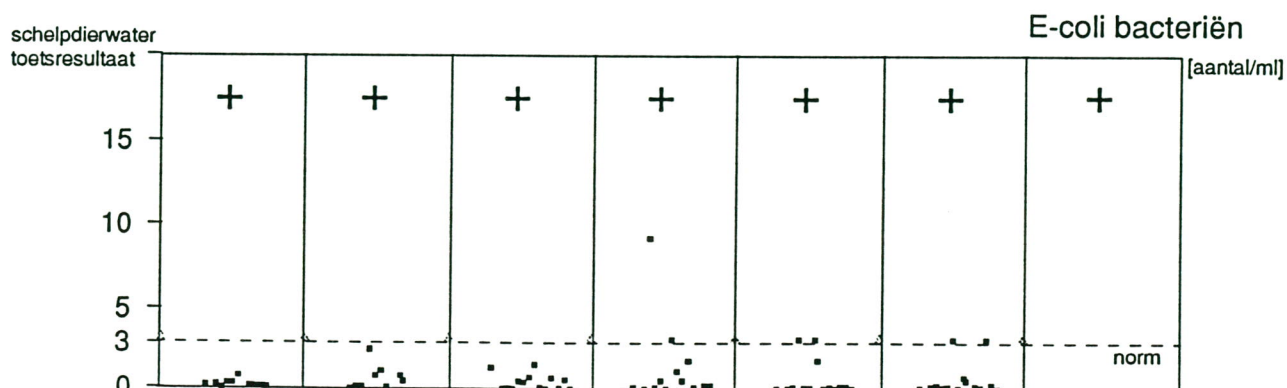
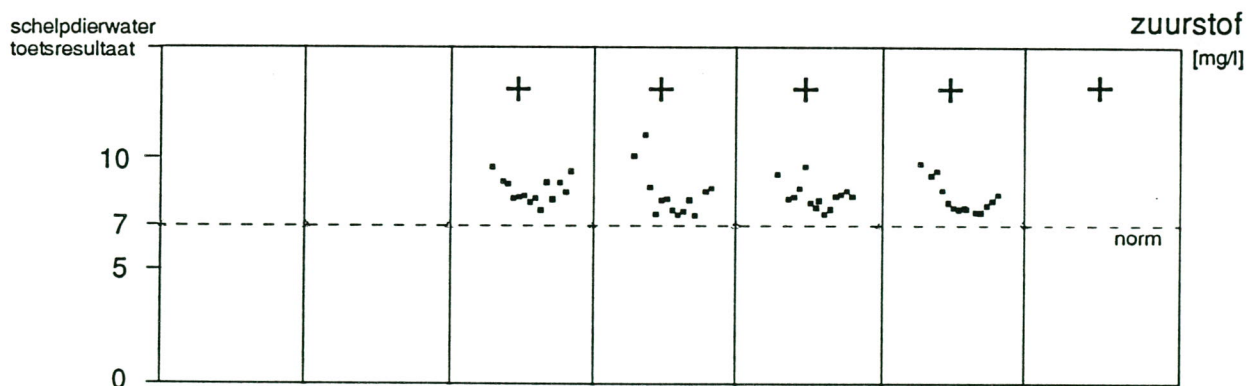
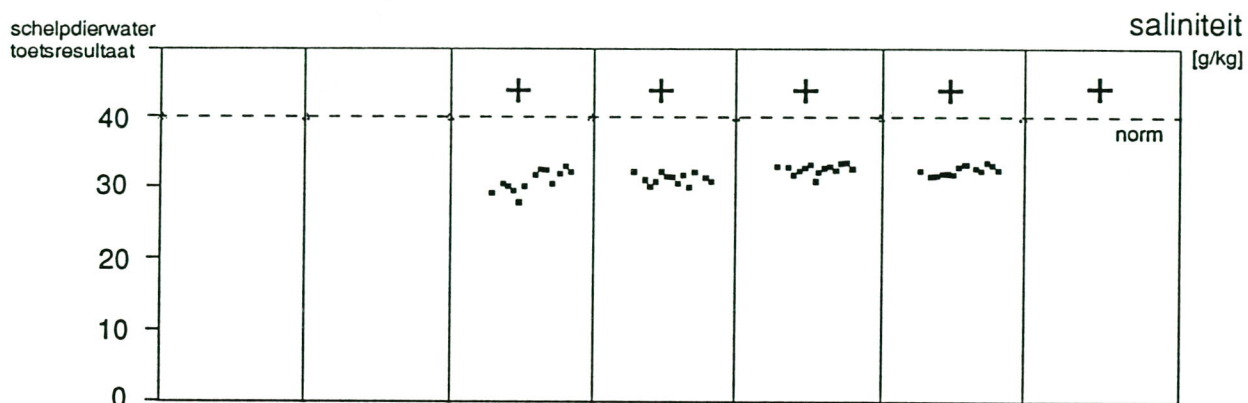
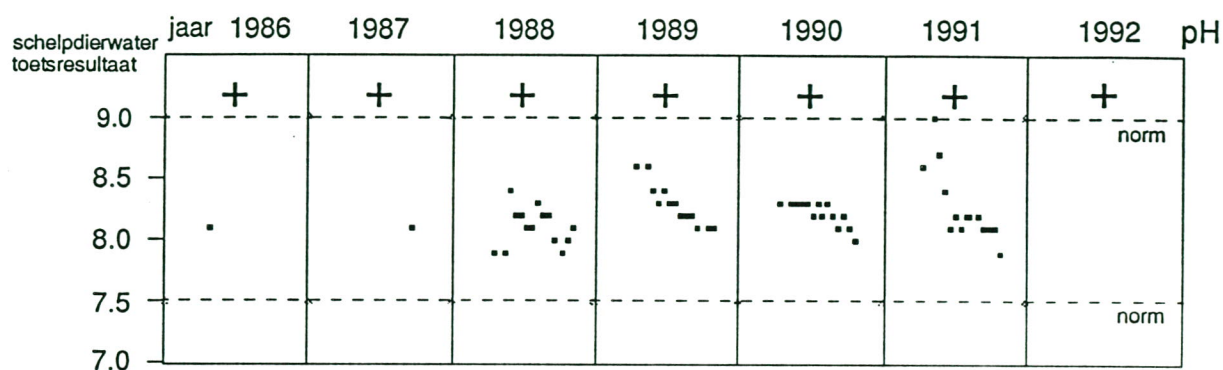
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1986 | 0.22 | 0.23 | 0.04 | 0.33 | 0.33 | 0.79 | 0.17 | 0.13 | 0.13 | 0.08 | | |
| 1987 | 0 | 0.13 | 0.13 | 2.40 | 0.79 | 1.10 | 0.08 | 0.79 | 0.46 | | | |
| 1988 | 1.30 | 0 | 0.06 | 0 | 0.46 | 0.40 | 0.70 | 1.50 | 0.10 | 0.02 | 0.68 | 0.06 |
| | 0.58 | 0 | | | | | | | | | | |
| 1989 | 0.08 | 0 | 9.00 | 0.08 | 0.50 | 0 | 3.00 | 1.10 | 0.50 | 1.70 | 0.08 | 0.22 |
| | 0.22 | | | | | | | | | | | |
| 1990 | 0.02 | 0 | 0.07 | 3.00 | 0.04 | 0.04 | 3.00 | 1.70 | 0.02 | 0.11 | 0 | 0.13 |
| | 0.14 | 0.02 | | | | | | | | | | |
| 1991 | 0.04 | 0.13 | 0.22 | 0.11 | 0.13 | 3.00 | 0.04 | 0.70 | 0.50 | 0.17 | 0.08 | 3.00 |
| | 0.23 | 0.02 | | | | | | | | | | |

lokatie: **Noordzee, Nw. Haamstede**

code: NZB420



bijlage 5lokatie: **Noordzee, Goeree 6**

code: NZRGR6

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.4 | 8.3 | 8.3 | 8.4 | 8.4 | 8.4 | 8.7 | 8.5 | 8.7 | 8.6 | 8.4 | 8.4 |
| | 8.5 | 8.6 | 8.5 | | | | | | | | | |
| 1987 | 8.4 | 8.5 | 8.5 | 8.8 | 9.0 | 8.5 | 7.5 | 8.4 | 8.4 | 8.3 | 8.4 | 8.4 |
| 1988 | 8.4 | 8.4 | 8.3 | 8.3 | 8.3 | 8.4 | 8.4 | 8.1 | 8.2 | 8.3 | 8.2 | |
| 1989 | 8.5 | 8.1 | 8.1 | 8.5 | 8.4 | 8.4 | 8.3 | 8.5 | 8.2 | 8.2 | 8.2 | |
| 1990 | 8.2 | 8.1 | 8.4 | 8.5 | 8.3 | 8.2 | 8.4 | 8.1 | 8.6 | | | |
| 1991 | 8.0 | 8.0 | 8.1 | 8.4 | 9.0 | 8.3 | 8.2 | 8.2 | 8.1 | 8.1 | 8.2 | 8.1 |
| | 8.0 | 8.1 | 8.1 | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 31.04 | 28.64 | 31.68 | 30.09 | 31.84 | 28.50 | 32.71 | 30.67 | 29.94 | 29.94 | 32.63 | 32.56 |
| | 31.25 | 31.83 | 33.11 | | | | | | | | | |
| 1987 | 22.95 | 30.37 | 29.24 | 27.81 | 30.20 | 28.92 | 29.24 | 29.23 | 23.88 | 30.20 | 29.25 | |
| 1988 | 30.75 | 31.10 | 24.50 | 26.05 | 26.00 | 27.50 | 28.35 | 32.45 | 29.30 | 30.60 | 30.75 | 23.90 |
| 1989 | 29.70 | 32.00 | 32.45 | 32.80 | 30.10 | 30.25 | 29.10 | 31.55 | 31.07 | 31.85 | 30.20 | |
| 1990 | 30.70 | 32.41 | 30.55 | 31.91 | 29.52 | 31.80 | 32.55 | 33.75 | 30.50 | | | |
| 1991 | 30.73 | 31.24 | 31.80 | 33.12 | 31.25 | 31.04 | 32.21 | 31.06 | 32.30 | 32.40 | 30.60 | 33.22 |
| | 32.33 | 30.13 | 31.80 | | | | | | | | | |

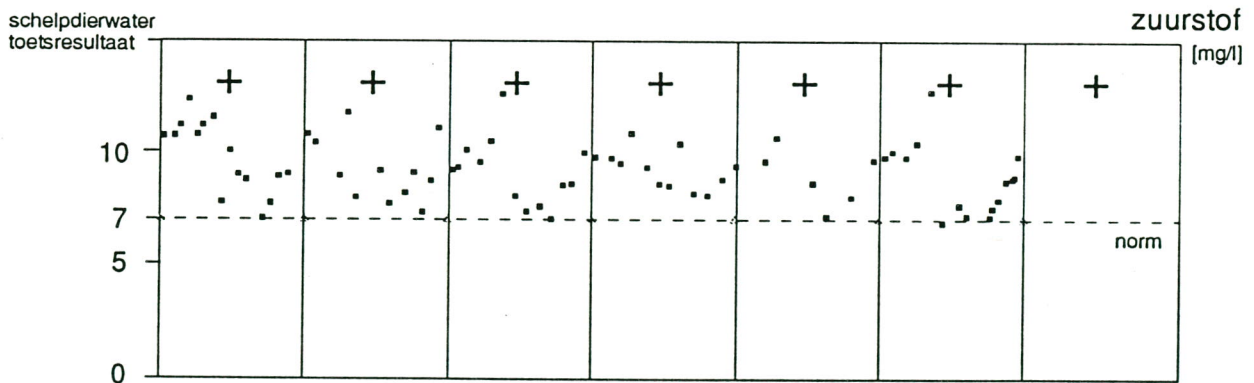
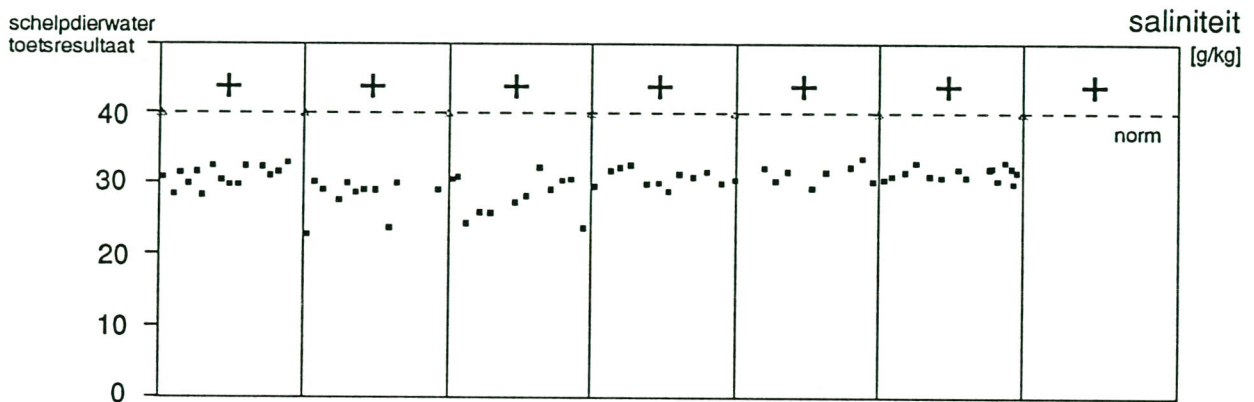
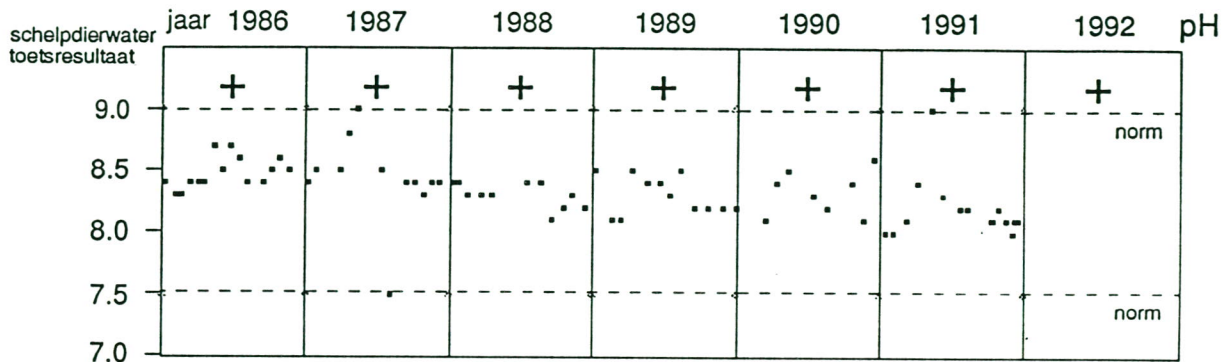
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| 1986 | 10.70 | 10.73 | 11.20 | 12.36 | 10.78 | 11.18 | 11.54 | 7.77 | 10.06 | 9.02 | 8.77 | 7.07 |
| | 7.73 | 8.92 | 9.04 | | | | | | | | | |
| 1987 | 10.79 | 10.44 | 8.95 | 11.75 | 8.00 | 9.18 | 7.72 | 8.19 | 9.09 | 7.35 | 8.73 | 11.08 |
| 1988 | 9.20 | 9.33 | 10.10 | 9.56 | 10.50 | 12.60 | 8.06 | 7.38 | 7.59 | 7.05 | 8.53 | 8.59 |
| | 9.98 | | | | | | | | | | | |
| 1989 | 9.76 | 9.73 | 9.49 | 10.84 | 9.33 | 8.59 | 8.50 | 10.39 | 8.17 | 8.07 | 8.78 | |
| 1990 | 9.38 | 9.59 | 10.66 | 8.62 | 7.16 | 7.99 | 9.63 | | | | | |
| 1991 | 9.78 | 10.04 | 9.79 | 10.41 | 12.72 | 6.89 | 7.64 | 7.19 | 7.14 | 7.51 | 7.88 | 8.72 |
| | 8.82 | 8.91 | 9.83 | | | | | | | | | |

lokatie: **Noordzee, Goeree 6**

code: NZRGR6



bijlage 6

lokatie: **Noordzee, Ouddorp**

code: NZB430

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 7.8 | 7.8 | 7.9 | 8.0 | | | | | | | |
| 1987 | 8.1 | 7.8 | 8.0 | 8.0 | 8.7 | 8.4 | 8.2 | 7.9 | 7.7 | 8.1 | 8.0 | 7.8 |
| | 8.1 | 7.8 | 7.9 | 7.9 | 7.9 | | | | | | | |
| 1988 | 8.0 | 8.4 | 8.2 | 8.1 | 8.2 | 8.2 | 8.5 | 8.3 | 8.2 | 8.0 | 7.9 | 8.0 |
| | 8.0 | | | | | | | | | | | |
| 1989 | 8.2 | 8.7 | 8.5 | 8.1 | 8.4 | 8.3 | 8.5 | 8.7 | 8.3 | 8.3 | 8.1 | 8.1 |
| 1990 | 8.3 | 8.4 | 8.5 | 8.3 | 8.2 | 8.2 | 8.3 | 8.8 | 8.6 | 8.6 | 8.2 | 8.2 |
| | 8.1 | 8.1 | | | | | | | | | | |
| 1991 | 8.5 | 9.3 | 8.8 | 8.2 | 8.2 | 8.4 | 8.2 | 8.1 | 8.3 | 8.1 | 8.0 | 8.1 |
| | 8.0 | 7.9 | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 28.50 | 30.67 | 32.56 | 26.50 | 32.27 | 10.99 | 22.42 | 16.26 | 24.91 | 28.31 | 33.22 | 27.64 |
| | 22.56 | 29.51 | 28.40 | 28.45 | | | | | | | | |
| 1987 | 13.90 | 28.77 | 27.97 | 15.08 | 26.07 | 24.04 | 20.95 | 23.15 | 19.42 | 17.97 | 17.46 | 30.69 |
| | 25.85 | | | | | | | | | | | |
| 1988 | 18.15 | 21.25 | 29.15 | 26.00 | 24.75 | 30.45 | 29.80 | 31.50 | 32.85 | 28.60 | 32.20 | 32.30 |
| | 28.45 | | | | | | | | | | | |
| 1989 | 14.70 | 29.65 | 28.45 | 30.00 | 28.75 | 27.90 | 26.75 | 29.10 | 28.25 | 29.15 | 27.35 | 29.75 |
| 1990 | 31.28 | 30.03 | 28.62 | 24.31 | 27.77 | 25.39 | 27.84 | 26.56 | 28.91 | 29.42 | 27.96 | 30.95 |
| | 32.09 | 30.96 | | | | | | | | | | |
| 1991 | 30.21 | 28.91 | 25.49 | 29.23 | 15.41 | 24.79 | 29.78 | 29.11 | 29.06 | 31.29 | 30.75 | 32.28 |
| | 30.53 | 29.07 | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|------|
| 1986 | 8.99 | 6.67 | 8.24 | 10.24 | 10.00 | 8.81 | 9.77 | 12.16 | 8.25 | 8.52 | 7.75 | 8.31 |
| | 8.88 | 9.10 | 8.25 | 9.59 | | | | | | | | |
| 1987 | 11.50 | 11.80 | 10.46 | 11.63 | 16.92 | 10.13 | 9.62 | 8.29 | 7.56 | 7.43 | 8.46 | 8.70 |
| | 8.47 | 7.52 | 8.67 | 9.00 | 10.43 | | | | | | | |
| 1988 | 9.17 | 9.12 | 8.65 | 7.93 | 7.79 | 8.51 | 7.89 | 7.74 | 8.02 | 8.91 | 9.18 | 8.68 |
| | 8.53 | 9.62 | | | | | | | | | | |
| 1989 | 10.48 | 12.17 | 8.77 | 7.43 | 8.19 | 7.91 | 7.98 | 8.12 | 9.51 | 7.98 | 8.84 | 8.77 |
| 1990 | 9.33 | 9.05 | 10.28 | 8.61 | 7.69 | 7.95 | 8.63 | 12.46 | 7.71 | 10.51 | 8.02 | 8.39 |
| | 8.58 | 8.64 | | | | | | | | | | |
| 1991 | 10.31 | 9.68 | 9.35 | 8.53 | 8.80 | 8.74 | 8.07 | 7.54 | 7.87 | 7.69 | 8.00 | 8.08 |
| | 8.12 | 9.03 | | | | | | | | | | |

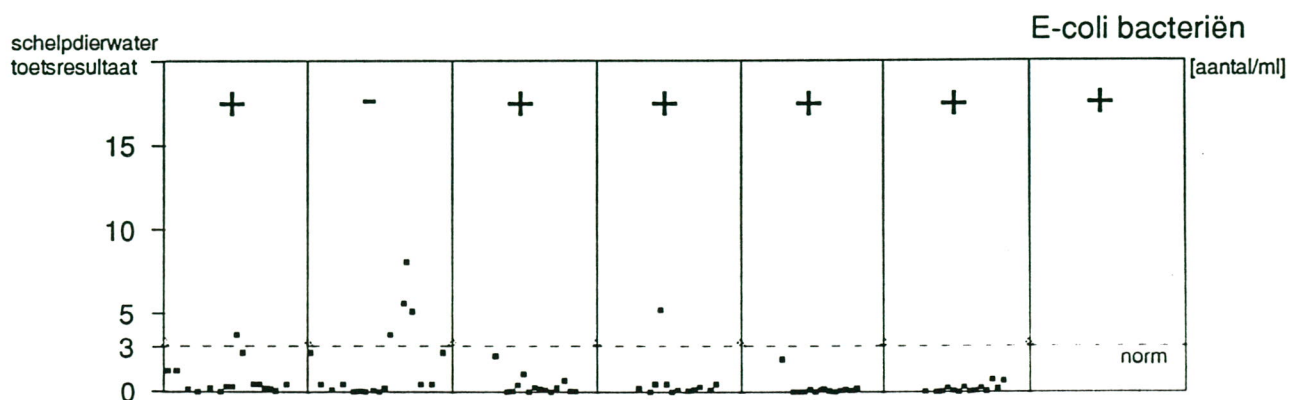
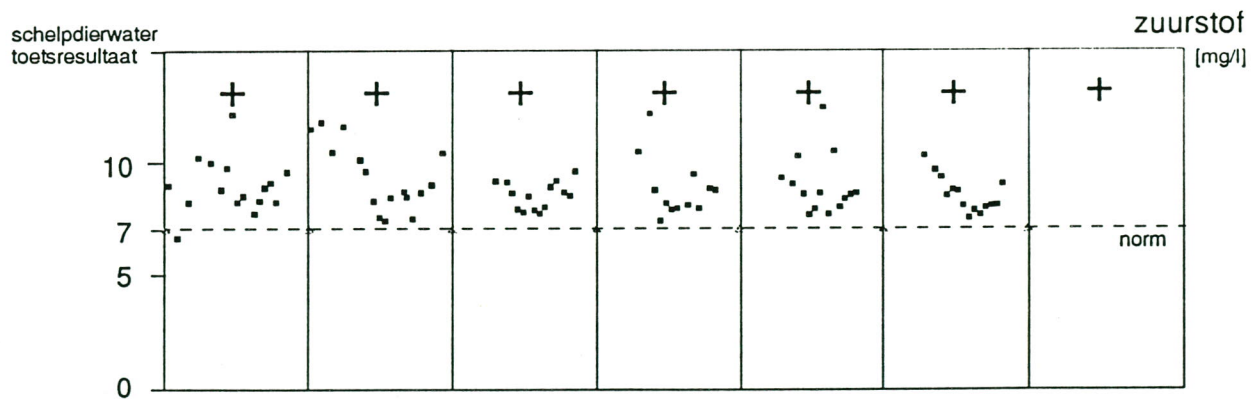
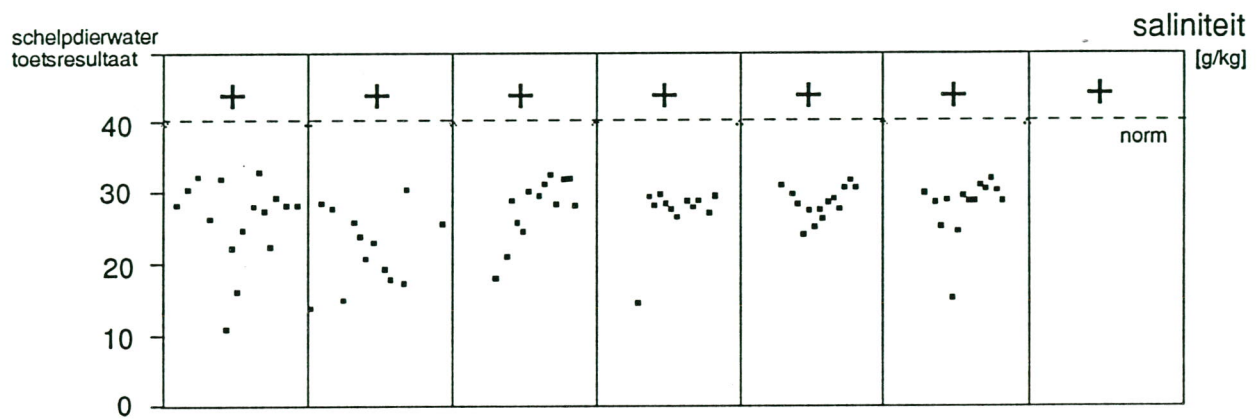
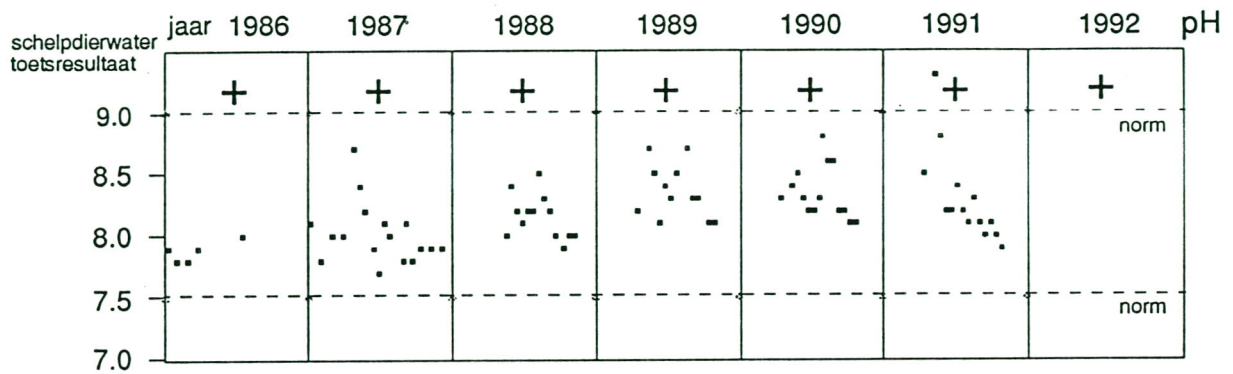
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1986 | 1.30 | 1.30 | 0.17 | 0.02 | 0.23 | 0 | 0.33 | 0.33 | 3.50 | 2.40 | 0.49 | 0.49 |
| | 0.23 | 0.22 | 0.07 | 0.49 | | | | | | | | |
| 1987 | 2.40 | 0.49 | 0.13 | 0.49 | 0.02 | 0.04 | 0.02 | 0.08 | 0.02 | 0.23 | 3.50 | 5.40 |
| | 7.90 | 4.90 | 0.49 | 0.49 | 2.40 | | | | | | | |
| 1988 | 2.20 | 0 | 0.04 | 0.42 | 1.10 | 0 | 0.28 | 0.20 | 0.14 | 0 | 0.26 | 0.70 |
| | 0.06 | 0.04 | | | | | | | | | | |
| 1989 | 0.23 | 0 | 0.50 | 5.00 | 0.50 | 0 | 0.13 | 0.11 | 0.17 | 0.33 | 0.13 | 0.50 |
| 1990 | 2.00 | 0 | 0 | 0 | 0.17 | 0.02 | 0.14 | 0.22 | 0.07 | 0 | 0.11 | 0.17 |
| | 0.08 | 0.23 | | | | | | | | | | |
| 1991 | 0.04 | 0.02 | 0.04 | 0.30 | 0.08 | 0.02 | 0.34 | 0.04 | 0.08 | 0.30 | 0.07 | 0.80 |
| | 0.23 | 0.70 | | | | | | | | | | |

lokatie: **Noordzee, Ouddorp**

code: NZB430



bijlage 7

lokatie: **Grevelingenmeer, Scharendijke**

code: GM80

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1986 | 7.9 | 8.1 | 8.8 | 8.3 | 8.2 | 7.8 | 8.0 | | | | | | |
| 1987 | 8.1 | 8.4 | 8.7 | 8.2 | 8.2 | 8.2 | 8.3 | 8.2 | 8.1 | 8.0 | 8.0 | | |
| 1988 | 8.0 | 8.1 | 8.3 | 8.3 | 8.3 | 8.1 | 8.3 | 8.3 | 8.1 | 8.2 | | | |
| 1989 | 8.1 | 8.1 | 7.4 | 8.5 | 8.8 | 8.4 | 8.0 | 8.2 | 8.0 | 8.2 | 8.3 | 8.2 | |
| 1990 | 8.0 | 8.1 | 8.1 | 8.2 | 8.5 | 8.5 | 8.3 | 8.2 | 8.1 | 8.1 | 8.2 | 8.0 | |
| | 7.9 | | | | | | | | | | | | |
| 1991 | 8.0 | 8.0 | 8.5 | 8.3 | 8.1 | 8.0 | 8.1 | 8.3 | 8.2 | 8.2 | 8.1 | 7.9 | |
| | 8.9 | | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 1988 | 28.30 | 29.00 | 27.90 | 26.60 | 27.20 | 27.05 | 27.35 | 27.65 | 27.40 | 27.80 | 27.90 | | |
| 1989 | 27.10 | 27.90 | 28.90 | 29.40 | 29.20 | 30.05 | 30.00 | 30.10 | 30.45 | 29.80 | 30.30 | 30.40 | |
| 1990 | 30.33 | 30.79 | 30.55 | 31.28 | 31.22 | 31.59 | 31.79 | 31.99 | 32.23 | 32.69 | 32.66 | 32.30 | |
| | 31.92 | | | | | | | | | | | | |
| 1991 | 31.52 | 31.09 | 30.89 | 31.44 | 31.22 | 31.78 | 31.86 | 31.63 | 32.27 | 32.40 | 32.47 | 31.92 | |

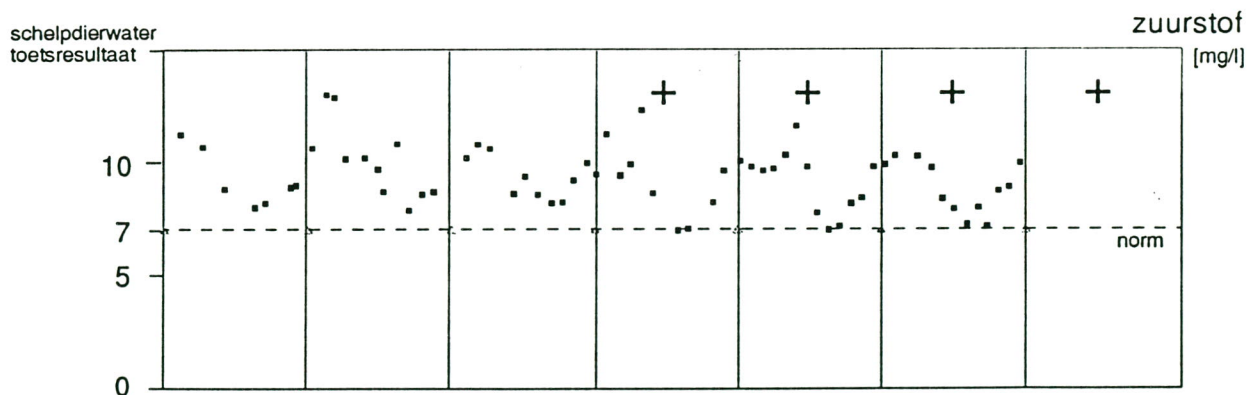
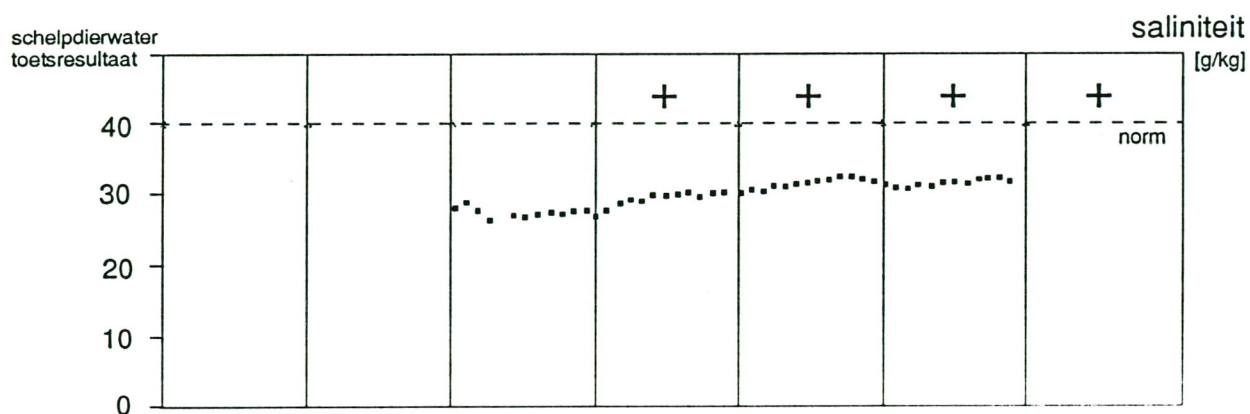
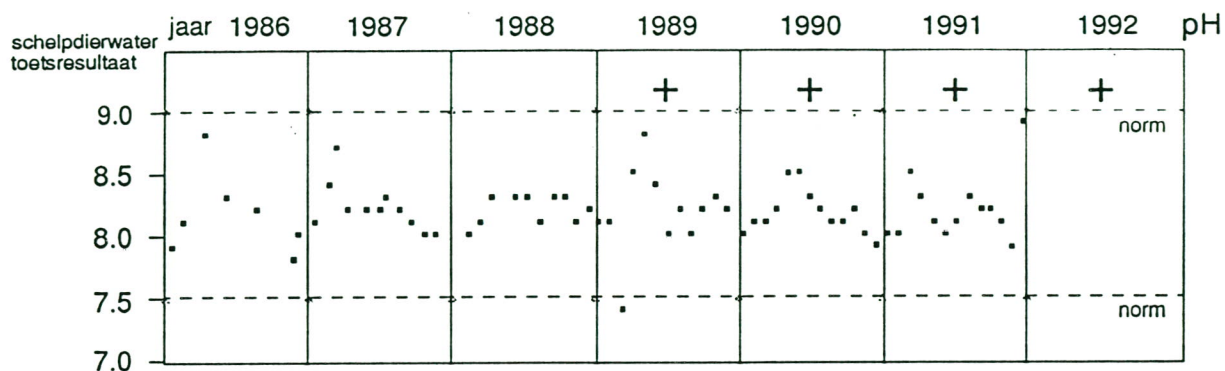
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|--|
| 1986 | 11.25 | 10.67 | 8.84 | 8.04 | 8.22 | 8.91 | 9.00 | | | | | | |
| 1987 | 10.63 | 13.02 | 12.91 | 10.16 | 10.20 | 9.70 | 8.73 | 10.82 | 7.92 | 8.61 | 8.71 | | |
| 1988 | 10.20 | 10.80 | 10.60 | 8.62 | 9.38 | 8.60 | 8.22 | 8.26 | 9.21 | 9.98 | | | |
| 1989 | 9.47 | 11.24 | 9.43 | 9.92 | 12.32 | 8.66 | 7.02 | 7.10 | 8.25 | 9.64 | | | |
| 1990 | 10.07 | 9.81 | 9.63 | 9.73 | 10.31 | 11.63 | 9.81 | 7.81 | 7.05 | 7.21 | 8.21 | 8.46 | |
| | 9.81 | | | | | | | | | | | | |
| 1991 | 9.90 | 10.29 | 16.07 | 10.26 | 9.76 | 8.41 | 7.97 | 7.27 | 8.02 | 7.20 | 8.75 | 8.94 | |
| | 9.98 | | | | | | | | | | | | |

lokatie: **Grevelingenmeer, Scharendijke**

code: GM80



bijlage 8

lokatie: **Grevelingenmeer, Dreischor**

code: GM40

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 9.0 | 8.3 | 8.3 | 7.9 | 8.2 | | | | | |
| 1987 | 8.1 | 8.7 | 8.8 | 8.2 | 8.2 | 8.2 | 8.2 | 8.3 | 8.3 | 8.1 | 8.0 | 8.1 |
| 1988 | 8.0 | 8.2 | 8.4 | 8.3 | 8.1 | 8.1 | 8.3 | 8.4 | 8.1 | 8.2 | | |
| 1989 | 8.0 | 8.2 | 7.2 | 8.4 | 8.8 | 8.4 | 8.1 | 8.3 | 8.1 | 8.2 | 8.3 | 8.2 |
| 1990 | 8.1 | 8.2 | 8.1 | 8.3 | 8.5 | 8.4 | 8.2 | 8.3 | 8.2 | 8.2 | 8.2 | 8.0 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 8.0 | 8.3 | 8.6 | 8.7 | 8.5 | 8.1 | 8.0 | 8.3 | 8.1 | 8.3 | 8.2 | 8.3 |
| | 8.3 | 8.3 | 8.0 | 7.9 | 8.0 | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 27.80 | 27.20 | 27.25 | 26.70 | 27.20 | 27.00 | 27.55 | 27.55 | 27.25 | 27.55 | 27.20 | |
| 1989 | 27.00 | 27.95 | 28.85 | 28.90 | 29.15 | 30.00 | 30.10 | 30.25 | 30.50 | 30.15 | 30.25 | 30.30 |
| 1990 | 29.91 | 30.17 | 30.09 | 30.71 | 30.96 | 31.64 | 31.88 | 32.16 | 32.56 | 32.65 | 32.50 | 32.12 |
| | 31.72 | | | | | | | | | | | |
| 1991 | 30.91 | 30.86 | 30.63 | 30.98 | 31.37 | 31.71 | 31.91 | 32.00 | 31.62 | 31.69 | 30.80 | 31.59 |
| | 31.60 | 32.43 | 32.43 | 32.45 | 31.74 | | | | | | | |

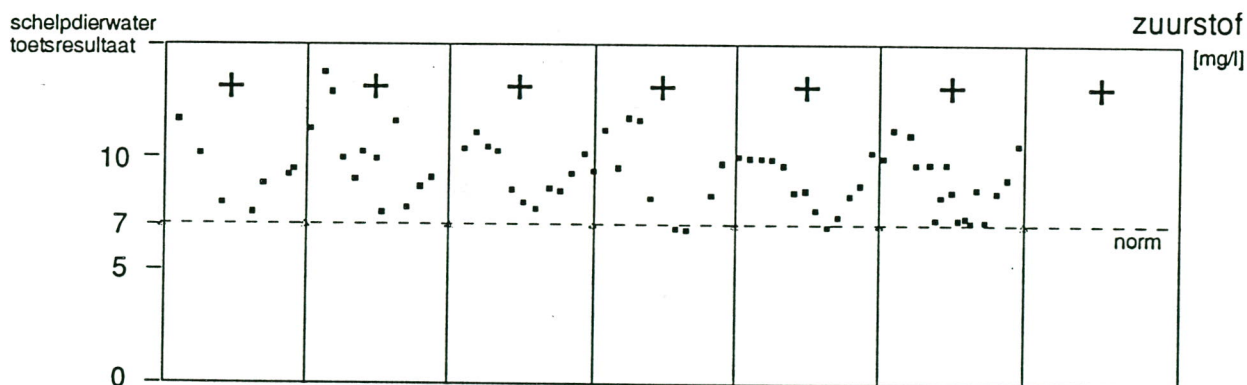
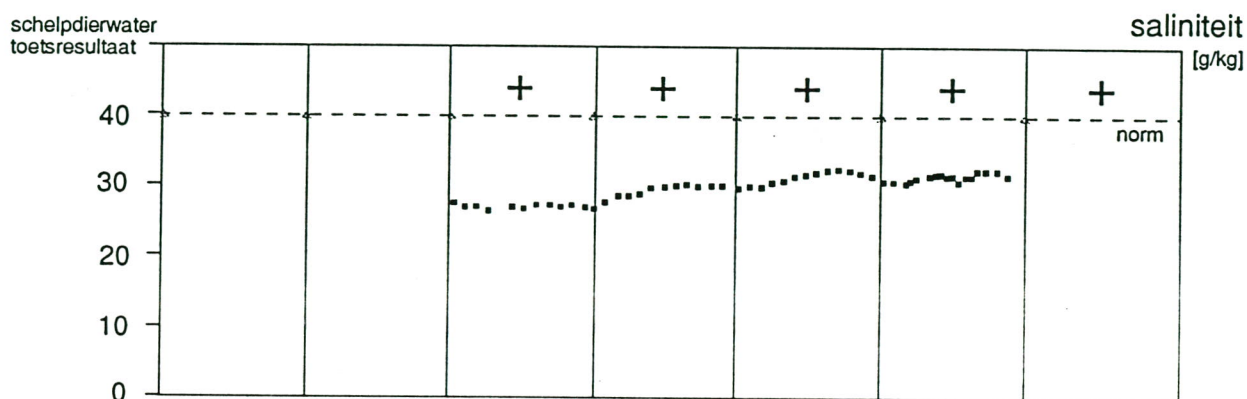
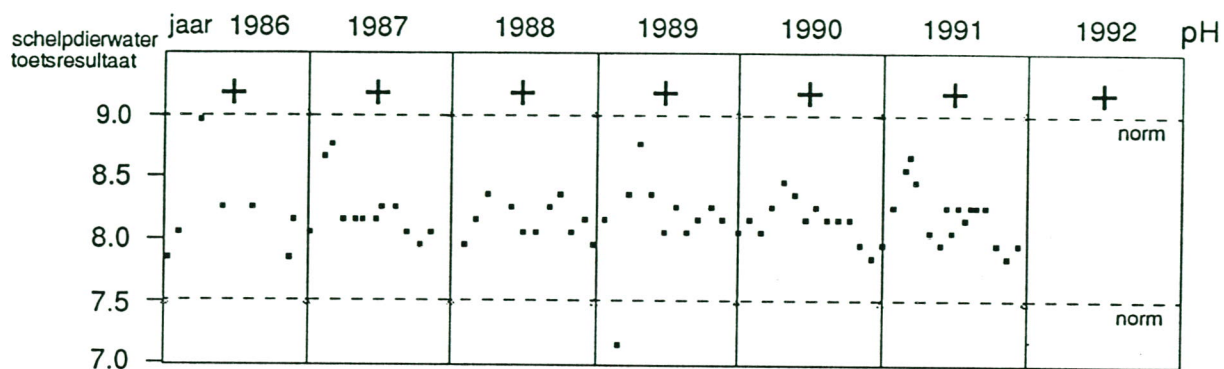
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|-------|------|-------|------|
| 1986 | 11.69 | 10.17 | 8.00 | 7.59 | 8.83 | 9.24 | 9.49 | | | | | |
| 1987 | 11.28 | 13.77 | 12.91 | 9.98 | 9.04 | 10.26 | 9.95 | 7.59 | 11.61 | 7.81 | 8.72 | 9.11 |
| 1988 | 10.40 | 11.10 | 10.50 | 10.30 | 8.60 | 8.02 | 7.75 | 8.64 | 8.54 | 9.30 | 10.18 | |
| 1989 | 9.41 | 11.21 | 9.57 | 11.78 | 11.66 | 8.23 | 6.90 | 6.83 | 8.38 | 9.76 | | |
| 1990 | 10.05 | 9.99 | 9.98 | 9.95 | 9.68 | 8.50 | 8.58 | 7.72 | 6.97 | 7.43 | 8.34 | 8.81 |
| | 10.26 | | | | | | | | | | | |
| 1991 | 10.00 | 11.27 | 17.97 | 11.03 | 9.73 | 9.75 | 7.32 | 8.32 | 9.75 | 8.53 | 7.31 | 7.39 |
| | 7.19 | 8.63 | 7.24 | 8.50 | 9.08 | 10.60 | | | | | | |

lokatie: **Grevelingenmeer, Dreischor**

code: GM40



bijlage 9

lokatie: **Grevelingenmeer, Bruinisse**

code: GM20

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.9 | 8.3 | 8.2 | 7.9 | 8.3 | | | | | |
| 1987 | 8.1 | 9.0 | 8.2 | 8.3 | 8.2 | 8.2 | 8.3 | 8.3 | 8.1 | 8.0 | 8.1 | |
| 1988 | 8.1 | 8.2 | 8.1 | 8.3 | 8.1 | 8.1 | 8.3 | 8.6 | 8.1 | 8.2 | | |
| 1989 | 8.1 | 8.1 | 8.3 | 8.9 | 8.5 | 8.2 | 8.2 | 8.0 | 8.2 | 8.3 | 8.2 | |
| 1990 | 8.1 | 8.2 | 8.2 | 8.2 | 8.4 | 8.5 | 8.2 | 8.2 | 8.2 | 8.2 | 8.2 | 8.3 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 8.1 | 8.0 | 8.4 | 8.3 | 8.1 | 8.0 | 8.1 | 8.2 | 8.2 | 8.3 | 8.0 | 7.9 |
| | 8.7 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 27.20 | 26.95 | 27.25 | 26.70 | 27.20 | 27.40 | 27.40 | 27.55 | 27.10 | 27.75 | 27.20 | |
| 1989 | 27.00 | 28.20 | 28.90 | 29.20 | 29.75 | 29.95 | 30.05 | 30.35 | 30.00 | 29.80 | 30.35 | |
| 1990 | 30.46 | 29.81 | 30.10 | 30.52 | 30.89 | 31.64 | 31.85 | 32.08 | 32.55 | 32.62 | 32.48 | 32.02 |
| | 31.71 | | | | | | | | | | | |
| 1991 | 30.95 | 30.98 | 31.01 | 31.38 | 31.67 | 32.10 | 31.58 | 31.58 | 32.42 | 32.51 | 32.41 | 31.77 |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|------|-------|------|------|-------|------|-------|-------|------|
| 1986 | 11.59 | 10.00 | 8.08 | 7.20 | 8.38 | 9.27 | 9.43 | | | | | |
| 1987 | 14.68 | 12.33 | 9.70 | 9.56 | 9.27 | 8.38 | 7.70 | 10.70 | 7.36 | 8.83 | 9.41 | |
| 1988 | 10.50 | 11.10 | 10.10 | 8.41 | 8.64 | 8.16 | 8.34 | 8.69 | 8.37 | 9.37 | 10.16 | |
| 1989 | 11.03 | 11.24 | 9.15 | 9.61 | 11.99 | 8.23 | 6.65 | 6.73 | 8.42 | 10.03 | | |
| 1990 | 10.36 | 10.03 | 10.00 | 8.82 | 9.51 | 9.07 | 8.23 | 7.37 | 7.05 | 7.41 | 7.85 | 8.84 |
| | 10.20 | | | | | | | | | | | |
| 1991 | 9.96 | 11.19 | 14.66 | 9.50 | 9.30 | 8.43 | 8.87 | 7.96 | 7.92 | 7.03 | 8.38 | 8.98 |
| | 10.43 | | | | | | | | | | | |

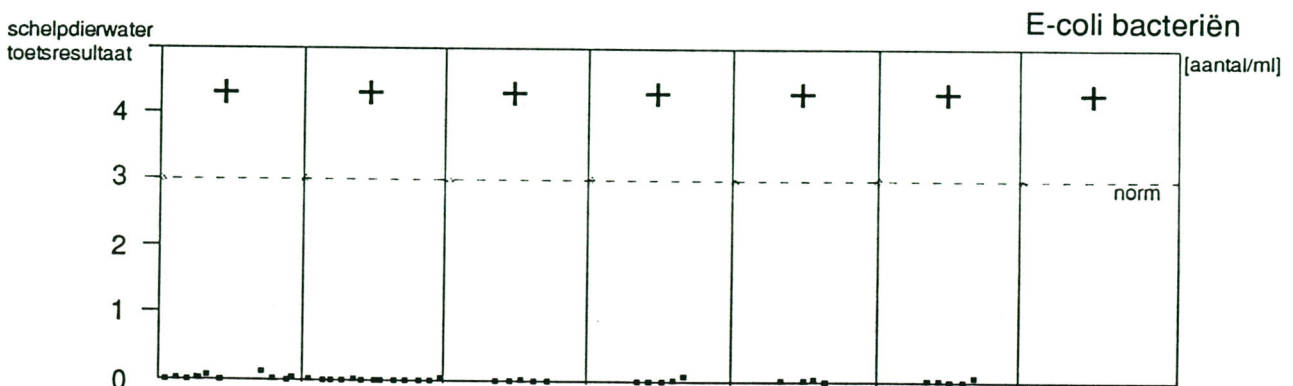
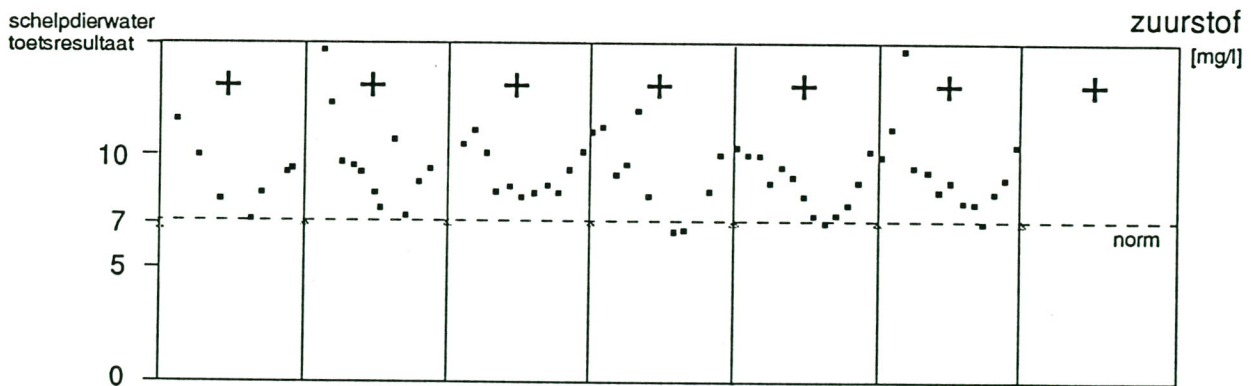
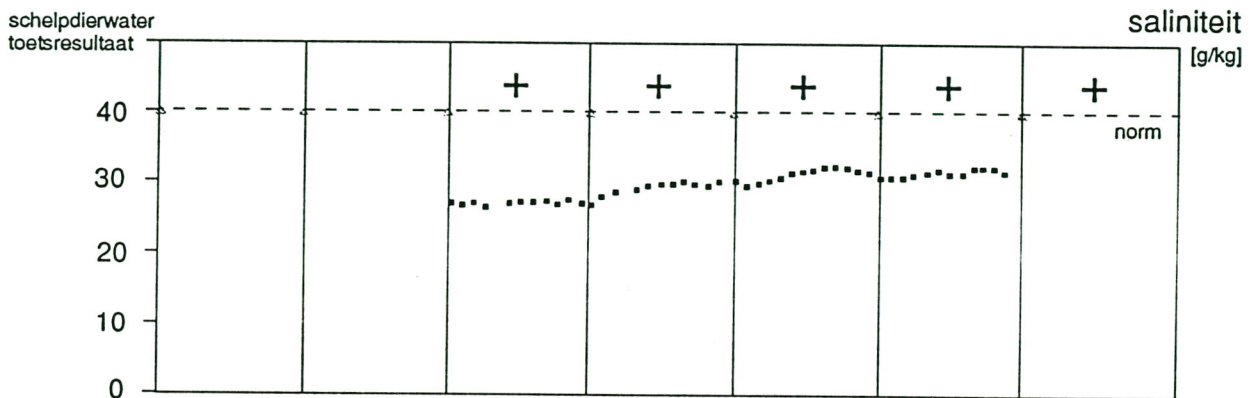
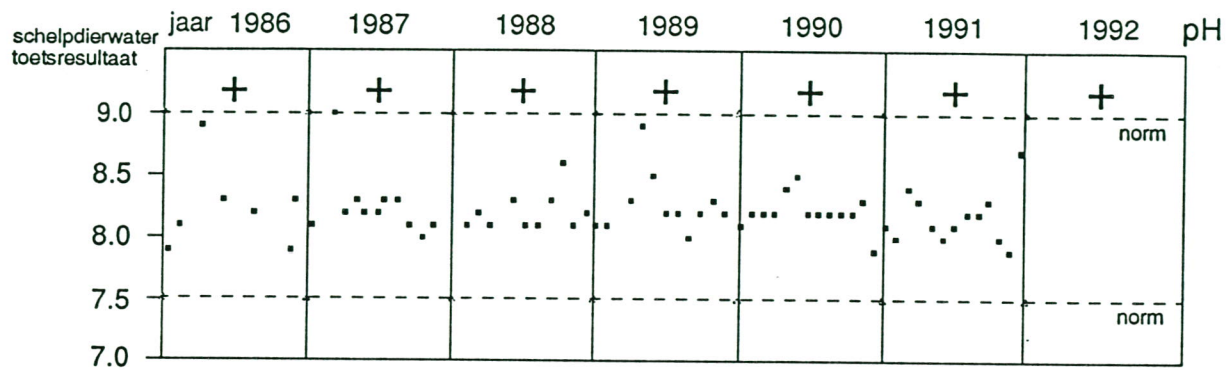
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|-------|-------|------|---|------|------|---|------|---|---|
| 1986 | 0 | 0.02 | 0 | 0.02 | 0.07 | 0 | 0.13 | 0.02 | 0 | 0.04 | | |
| 1987 | 0.02 | 0 | 0 | 0 | 0.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0.04 | | | | | | | | | | | |
| 1988 | 0 | 0 | 0.02 | 0 | 0 | | | | | | | |
| 1989 | 0 | 0 | 0 | 0.02 | 0.08 | | | | | | | |
| 1990 | 0.02 | 0.02 | 0.04 | 0 | | | | | | | | |
| 1991 | 0.02 | 0.02 | <0.02 | <0.02 | 0.07 | | | | | | | |

lokatie: Grevelingenmeer, Bruinisse

code: GM20



bijlage 10

lokatie: **Oosterschelde, Philipsdam west**

code: OS5

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1987 | 8.4 | 9.0 | 8.3 | 8.1 | 8.6 | 8.0 | | | | | | |
| 1988 | 8.0 | 8.2 | 8.1 | 8.5 | 8.2 | 8.4 | 8.4 | 8.3 | 8.4 | 8.3 | 8.0 | |
| 1989 | 8.0 | 8.1 | 8.3 | 8.8 | 8.4 | 8.4 | 8.2 | 7.9 | 8.2 | 8.3 | 8.1 | |
| 1990 | 8.1 | 8.1 | 8.3 | 8.2 | 8.4 | 8.4 | 8.3 | 8.3 | 8.1 | 8.1 | 7.8 | 7.9 |
| 1991 | 7.3 | 8.8 | 7.9 | 8.3 | 8.6 | 8.4 | 8.1 | 8.2 | 8.2 | 8.0 | 8.0 | 7.8 |
| | 8.4 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 27.20 | 28.15 | 25.45 | 27.80 | 28.60 | 28.70 | 26.15 | 27.20 | 30.05 | 29.25 | 29.70 | 27.90 |
| 1989 | 25.90 | 28.35 | 28.35 | 28.45 | 28.75 | 28.75 | 27.65 | 29.95 | 29.70 | 28.00 | 28.55 | 30.10 |
| 1990 | 29.55 | 28.47 | 29.31 | 27.18 | 30.94 | 30.57 | 30.18 | 30.70 | 31.20 | 30.98 | 30.30 | 29.99 |
| | 29.90 | | | | | | | | | | | |
| 1991 | 28.93 | 30.28 | 30.19 | 30.68 | 30.60 | 30.50 | 27.57 | 29.34 | 30.57 | 31.59 | 29.71 | 30.16 |
| | 29.62 | | | | | | | | | | | |

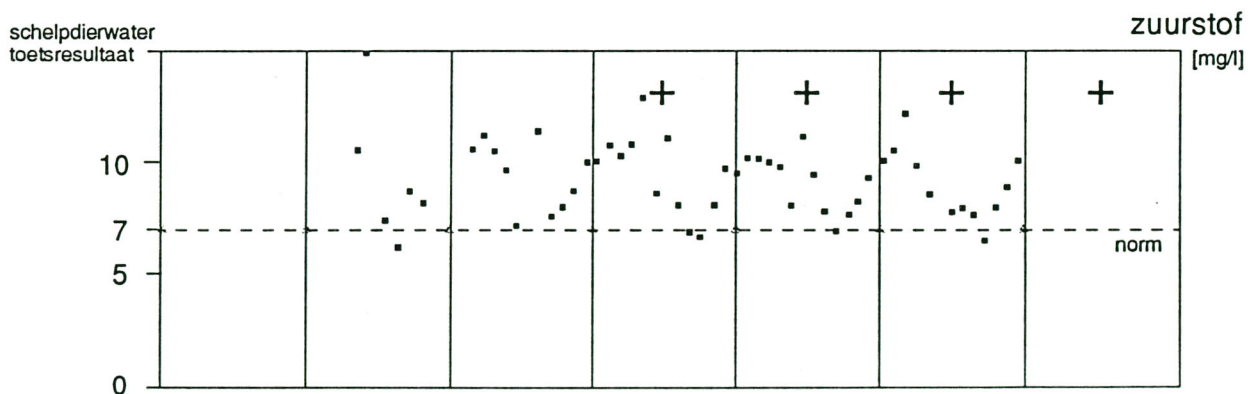
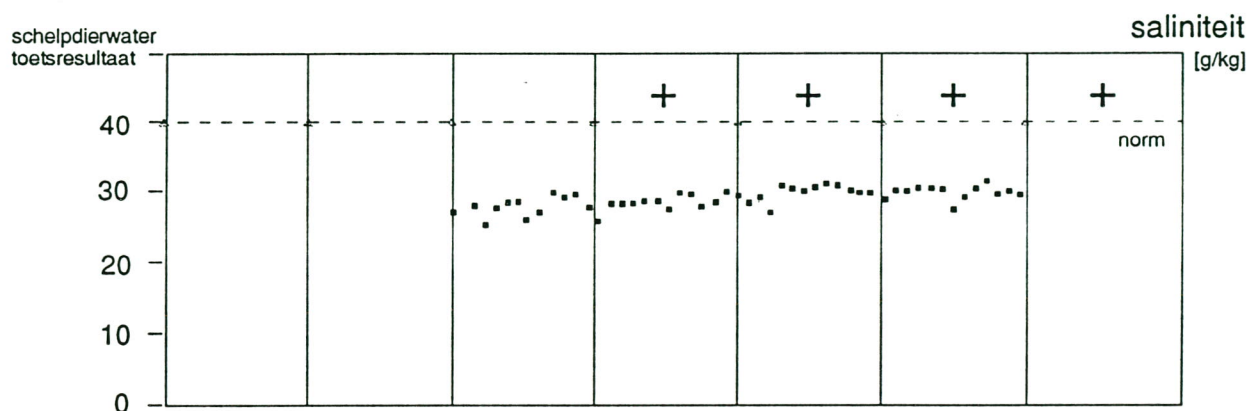
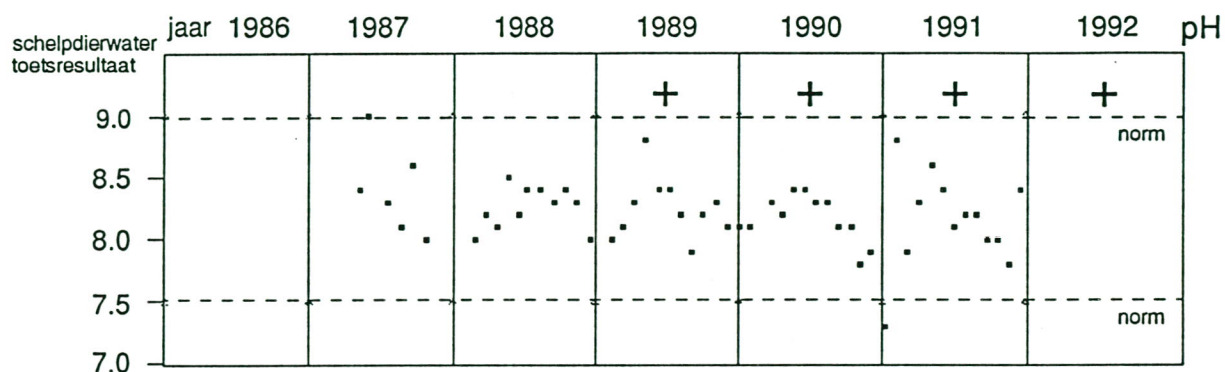
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|------|-------|
| 1987 | 10.55 | 14.90 | 7.43 | 6.24 | 8.74 | 8.20 | | | | | | |
| 1988 | 10.60 | 11.20 | 10.50 | 9.66 | 7.19 | 11.40 | 7.62 | 8.03 | 8.75 | 10.02 | | |
| 1989 | 10.06 | 10.76 | 10.29 | 10.81 | 12.89 | 8.64 | 11.09 | 8.11 | 6.92 | 6.71 | 8.11 | 9.73 |
| 1990 | 9.51 | 10.19 | 10.17 | 10.00 | 9.80 | 8.10 | 11.16 | 9.45 | 7.84 | 6.97 | 7.70 | 8.28 |
| | 9.32 | | | | | | | | | | | |
| 1991 | 10.08 | 10.54 | 12.19 | 9.86 | 8.60 | 7.82 | 7.99 | 7.69 | 6.55 | 8.01 | 8.91 | 10.08 |

lokatie: **Oosterschelde, Philipsdam west**

code: OS5



bijlage 11

lokatie: **Oosterschelde, Zijpe**

code: OS40

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1986 | 7.9 | 8.1 | 8.4 | 8.2 | 8.2 | 7.9 | | | | | | | |
| 1987 | 7.2 | 8.0 | 8.4 | 8.8 | 8.3 | 8.3 | 8.1 | 8.5 | 8.4 | | | | |
| 1988 | 8.0 | 8.3 | 8.3 | 8.5 | 8.2 | 8.5 | 8.2 | 8.2 | 8.4 | 8.2 | 8.0 | | |
| 1989 | 8.1 | 8.1 | 8.5 | 8.8 | 8.4 | 8.4 | 8.4 | 8.0 | 8.2 | 8.3 | 8.1 | | |
| 1990 | 8.1 | 8.2 | 8.0 | 8.3 | 8.2 | 8.5 | 8.4 | 8.3 | 8.3 | 8.1 | 8.1 | 7.8 | |
| | 7.9 | | | | | | | | | | | | |
| 1991 | 7.6 | 8.7 | 8.0 | 8.1 | 8.2 | 8.7 | 8.4 | 7.9 | 8.2 | 8.2 | 8.2 | 8.2 | |
| | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | 8.4 | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 1988 | 27.40 | 25.20 | 27.65 | 28.75 | 28.70 | 26.00 | 28.55 | 29.70 | 29.30 | 30.20 | 27.80 | | |
| 1989 | 28.15 | 29.55 | 29.15 | 29.50 | 28.90 | 28.30 | 27.75 | 29.70 | 29.85 | 29.75 | 29.35 | 29.85 | |
| 1990 | 29.39 | 28.80 | 29.29 | 28.12 | 30.88 | 30.62 | 30.82 | 30.74 | 31.55 | 31.32 | 30.60 | 30.97 | |
| | 31.07 | | | | | | | | | | | | |
| 1991 | 30.43 | 30.52 | 30.53 | 30.00 | 30.53 | 30.63 | 30.47 | 29.57 | 30.82 | 30.66 | 28.89 | 29.50 | |
| | 30.23 | 30.06 | 30.49 | 31.41 | 32.05 | 30.94 | 31.06 | 31.40 | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|--|
| 1986 | 11.77 | 7.62 | 14.48 | 7.26 | 7.15 | 9.19 | | | | | | | |
| 1987 | 11.15 | 11.52 | 10.17 | 12.99 | 10.17 | 7.65 | 6.72 | 8.38 | | | | | |
| 1988 | 10.60 | 11.50 | 10.30 | 9.79 | 7.41 | 9.29 | 7.73 | 8.16 | 8.66 | 9.99 | | | |
| 1989 | 9.86 | 10.58 | 10.14 | 10.89 | 12.96 | 10.54 | 10.68 | 8.56 | 7.32 | 6.84 | 8.15 | 9.90 | |
| 1990 | 9.64 | 10.18 | 10.03 | 10.01 | 9.88 | 8.29 | 11.05 | 9.44 | 7.90 | 6.74 | 7.87 | 8.33 | |
| | 8.91 | | | | | | | | | | | | |
| 1991 | 9.97 | 10.57 | 12.03 | 12.28 | 9.86 | 9.39 | 9.71 | 7.52 | 8.05 | 7.41 | 8.29 | 7.84 | |
| | 8.36 | 6.62 | 6.68 | 7.50 | 8.92 | 9.92 | | | | | | | |

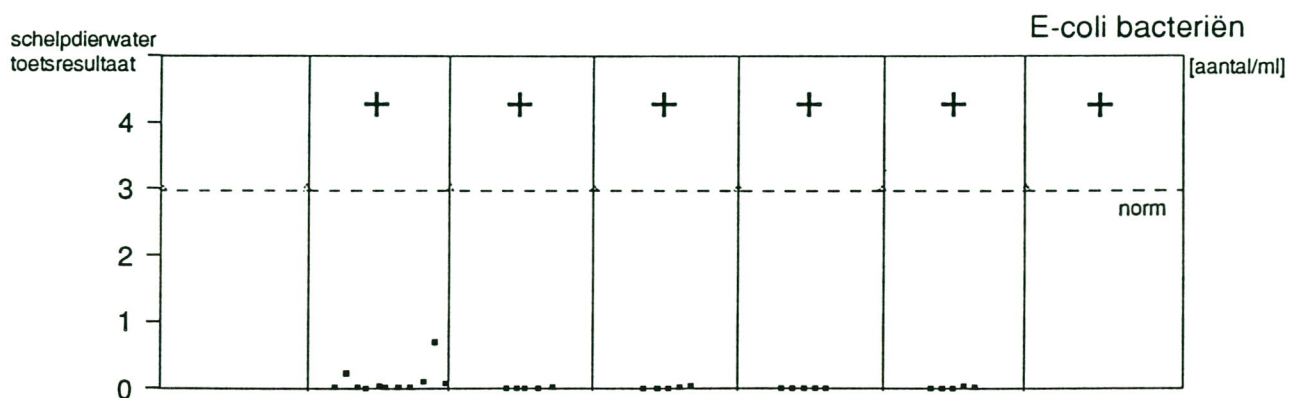
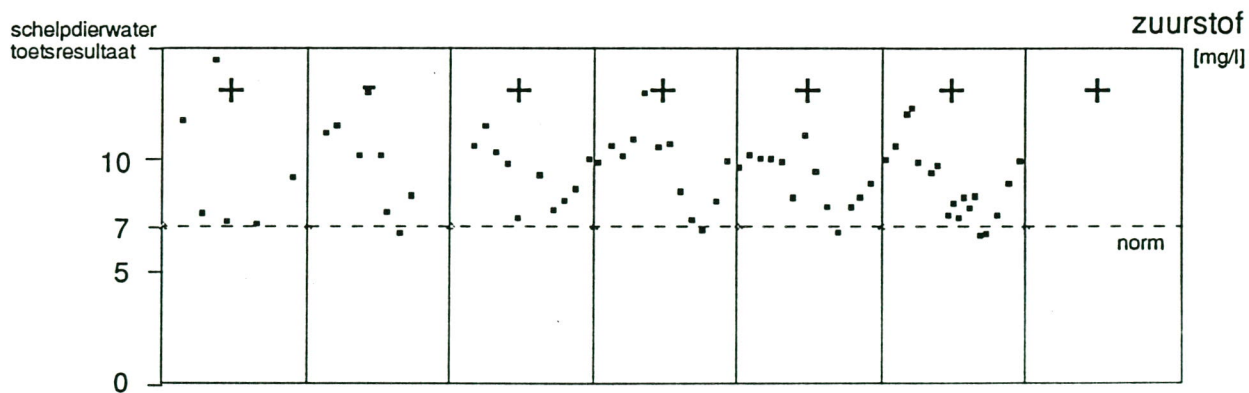
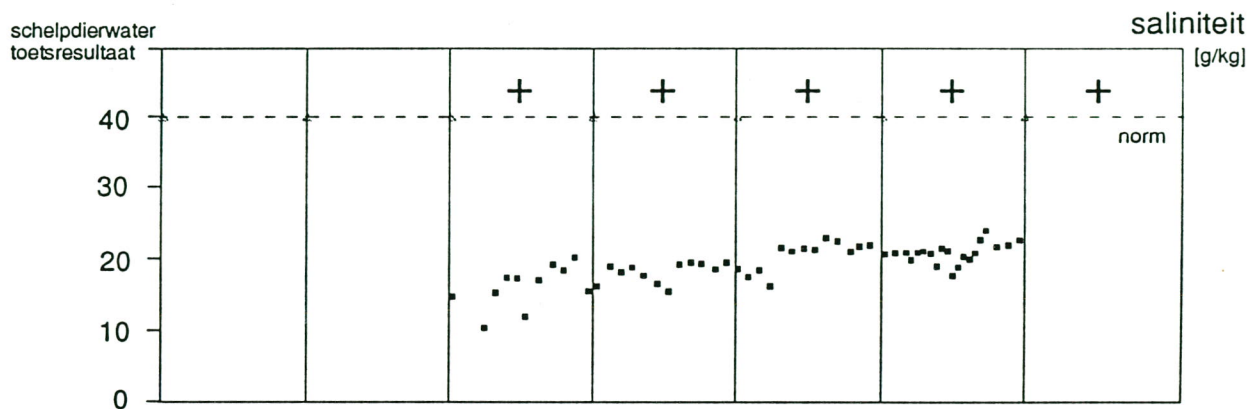
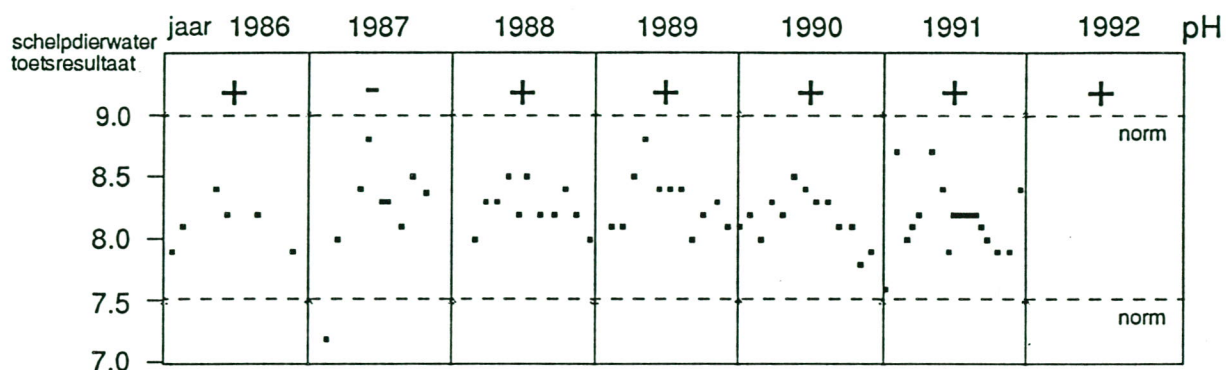
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | | |
|------|------|-------|-------|------|------|------|------|------|------|------|------|--|--|
| 1987 | 0.02 | 0.23 | 0.02 | 0 | 0.04 | 0.02 | 0.02 | 0.02 | 0.11 | 0.70 | 0.08 | | |
| 1988 | 0 | 0 | 0 | 0 | 0.02 | | | | | | | | |
| 1989 | 0 | 0 | 0 | 0.02 | 0.04 | | | | | | | | |
| 1990 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 1991 | 0 | <0.02 | <0.02 | 0.04 | 0.02 | | | | | | | | |

lokatie: **Oosterschelde, Zijpe**

code: OS40



bijlage 12lokatie: **Oosterschelde, Krabbekreek**

code: OS30

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1986 | 7.9 | 8.1 | 8.3 | 8.1 | 8.2 | 8.0 | | | | | | | |
| 1987 | 7.1 | 8.0 | 8.4 | 8.5 | 8.8 | 8.1 | 8.1 | 8.0 | 8.4 | 7.9 | | | |
| 1988 | 8.0 | 8.1 | 8.3 | 8.6 | 8.1 | 8.1 | 8.2 | 8.1 | 8.2 | 8.1 | 8.0 | | |
| 1989 | 8.0 | 8.0 | 8.1 | 8.4 | 8.6 | 8.4 | 8.2 | 8.2 | 8.2 | 8.2 | 8.3 | 8.2 | |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.2 | 8.6 | 8.2 | 8.3 | 8.3 | 8.1 | 8.1 | 7.8 | |
| | 7.9 | | | | | | | | | | | | |
| 1991 | 7.7 | 8.5 | 7.9 | 8.2 | 8.7 | 8.4 | 8.1 | 8.1 | 8.2 | 8.0 | 7.8 | 7.9 | |
| | 8.5 | | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 1988 | 28.70 | 25.15 | 28.20 | 29.00 | 28.70 | 28.45 | 29.10 | 30.35 | 29.95 | 30.55 | 29.70 | | |
| 1989 | 28.55 | 29.70 | 29.50 | 30.20 | 30.25 | 29.90 | 30.20 | 30.35 | 30.40 | 29.90 | 29.45 | 30.60 | |
| 1990 | 30.16 | 29.37 | 30.36 | 30.16 | 31.33 | 31.63 | 31.71 | 31.60 | 31.84 | 31.54 | 31.91 | 31.54 | |
| | 31.97 | | | | | | | | | | | | |
| 1991 | 30.44 | 30.87 | 31.02 | 31.18 | 30.96 | 31.05 | 29.97 | 30.96 | 31.17 | 32.14 | 31.94 | 31.12 | |
| | 31.41 | | | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|--|
| 1986 | 11.72 | 14.63 | 7.14 | 7.42 | 6.67 | 9.22 | | | | | | | |
| 1987 | 11.00 | 11.49 | 9.96 | 10.77 | 11.59 | 7.82 | 6.67 | 6.44 | 7.23 | 7.85 | | | |
| 1988 | 10.70 | 10.10 | 10.30 | 9.82 | 7.39 | 8.24 | 7.69 | 7.88 | 8.46 | 9.70 | | | |
| 1989 | 9.64 | 10.53 | 9.98 | 10.44 | 10.18 | 7.10 | 7.78 | 7.45 | 7.17 | 6.68 | 8.06 | 9.68 | |
| 1990 | 9.41 | 9.97 | 10.01 | 9.19 | 9.96 | 9.77 | 8.35 | 8.53 | 7.34 | 6.37 | 7.76 | 8.04 | |
| | 8.70 | | | | | | | | | | | | |
| 1991 | 9.91 | 10.47 | 11.56 | 9.84 | 9.52 | 7.38 | 7.38 | 7.02 | 6.78 | 8.43 | 9.27 | 10.14 | |

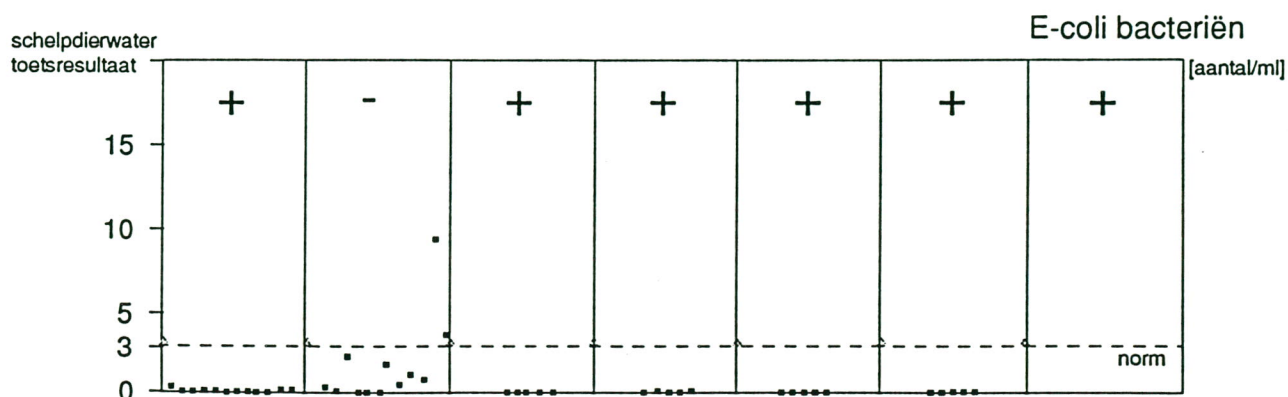
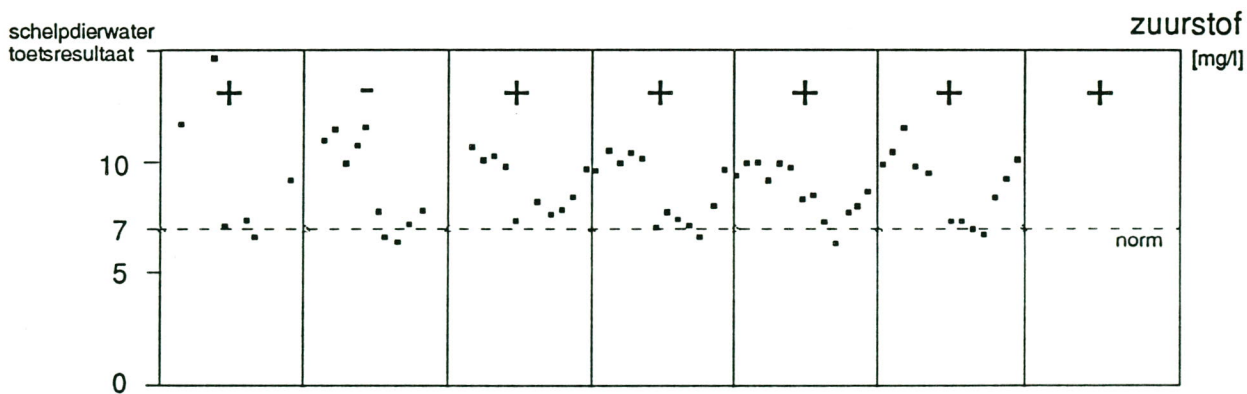
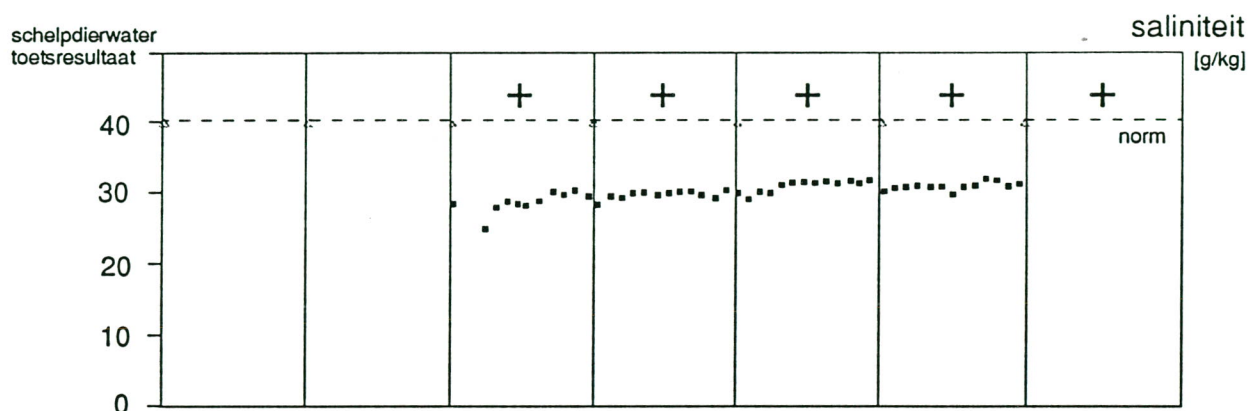
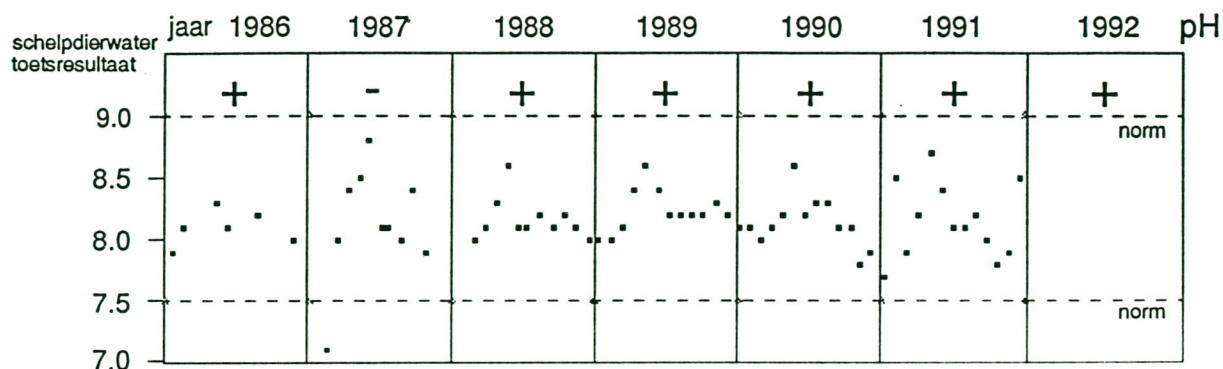
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 1986 | 0.33 | 0.04 | 0.04 | 0.11 | 0.08 | 0.02 | 0.04 | 0.04 | 0.02 | 0 | 0.17 | 0.17 | |
| 1987 | 0.33 | 0.11 | 2.20 | 0 | 0 | 0.02 | 1.70 | 0.49 | 1.10 | 0.79 | 9.20 | 3.50 | |
| 1988 | 0 | 0 | 0 | 0 | 0 | | | | | | | | |
| 1989 | 0.02 | 0.08 | 0 | 0 | 0.08 | | | | | | | | |
| 1990 | 0 | 0.02 | 0.02 | 0 | 0 | | | | | | | | |
| 1991 | 0.02 | 0.02 | 0.04 | 0.04 | 0.04 | | | | | | | | |

lokatie: **Oosterschelde, Krabbekreek**

code: OS30



bijlage 13

lokatie: **Oosterschelde, Lodijkse gat**

code: OS10

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.2 | 8.4 | 8.7 | 8.6 | 8.1 | | | | | | |
| 1987 | 8.1 | 8.2 | 8.3 | 8.5 | 8.5 | 8.4 | 8.2 | 8.2 | 8.6 | 8.0 | | |
| 1988 | 8.0 | 8.2 | 8.4 | 8.6 | 8.4 | 8.2 | 8.4 | 8.3 | 8.3 | 8.1 | 8.1 | |
| 1989 | 8.2 | 8.1 | 8.3 | 8.8 | 8.4 | 8.3 | 8.4 | 8.3 | 8.3 | 8.2 | 8.0 | |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.2 | 8.6 | 8.3 | 8.2 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.4 | 8.3 | 8.4 | 8.3 | 8.9 | 8.5 | 8.0 | 8.2 | 8.3 | 8.1 | 8.1 |
| | 8.2 | 8.1 | 8.1 | 7.9 | 7.9 | 7.8 | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 29.95 | 29.70 | 28.35 | 29.10 | 29.65 | 29.55 | 29.65 | 29.90 | 30.55 | 30.30 | 30.75 | 30.60 |
| 1989 | 29.95 | 30.20 | 29.90 | 30.20 | 30.70 | 30.85 | 31.05 | 31.35 | 31.40 | 31.30 | 31.10 | 31.20 |
| 1990 | 30.85 | 31.14 | 31.21 | 31.58 | 31.68 | 32.19 | 32.53 | 32.49 | 32.91 | 32.83 | 32.60 | 32.35 |
| | 32.48 | | | | | | | | | | | |
| 1991 | 31.38 | 31.26 | 31.33 | 31.34 | 31.43 | 31.93 | 31.60 | 31.97 | 32.00 | 32.09 | 31.01 | 30.73 |
| | 31.36 | 31.40 | 31.81 | 32.63 | 32.88 | 32.91 | 31.92 | 32.08 | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-------|
| 1986 | 13.08 | 10.48 | 9.50 | 8.00 | 7.41 | 7.80 | 8.34 | 9.25 | | | | |
| 1987 | 11.08 | 12.68 | 9.77 | 10.96 | 8.22 | 11.71 | 7.56 | 10.10 | 8.48 | 8.24 | | |
| 1988 | 10.70 | 10.00 | 12.70 | 9.28 | 8.43 | 8.21 | 7.89 | 8.32 | 8.35 | 9.06 | 9.93 | |
| 1989 | 9.87 | 10.84 | 10.39 | 10.11 | 11.41 | 8.30 | 7.49 | 7.26 | 8.14 | 7.20 | 8.14 | 10.05 |
| 1990 | 9.61 | 10.04 | 9.89 | 9.32 | 9.78 | 7.62 | 8.75 | 8.33 | 6.93 | 7.08 | 8.02 | 9.69 |
| | 9.12 | | | | | | | | | | | |
| 1991 | 9.94 | 10.79 | 14.80 | 12.84 | 9.61 | 10.28 | 8.89 | 7.29 | 8.05 | 7.90 | 7.73 | 7.09 |
| | 7.37 | 7.52 | 7.01 | 7.37 | 8.75 | 9.40 | 10.34 | | | | | |

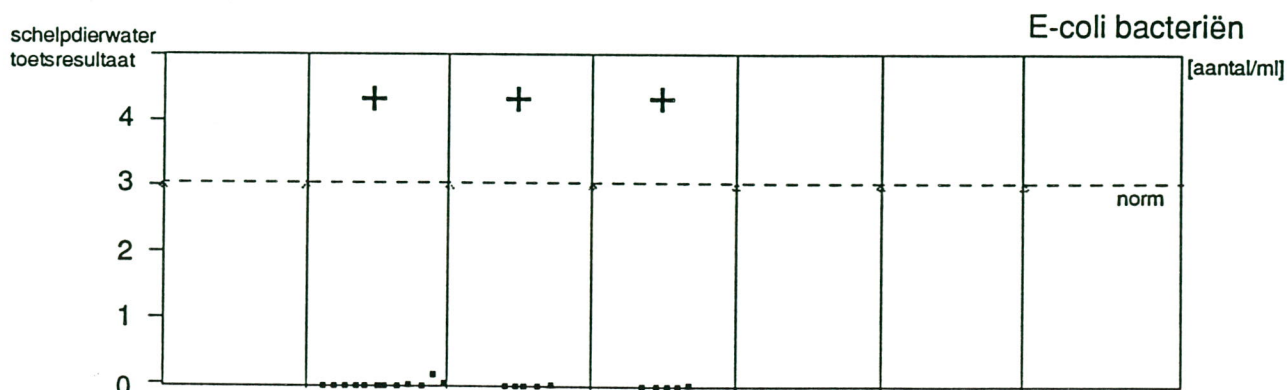
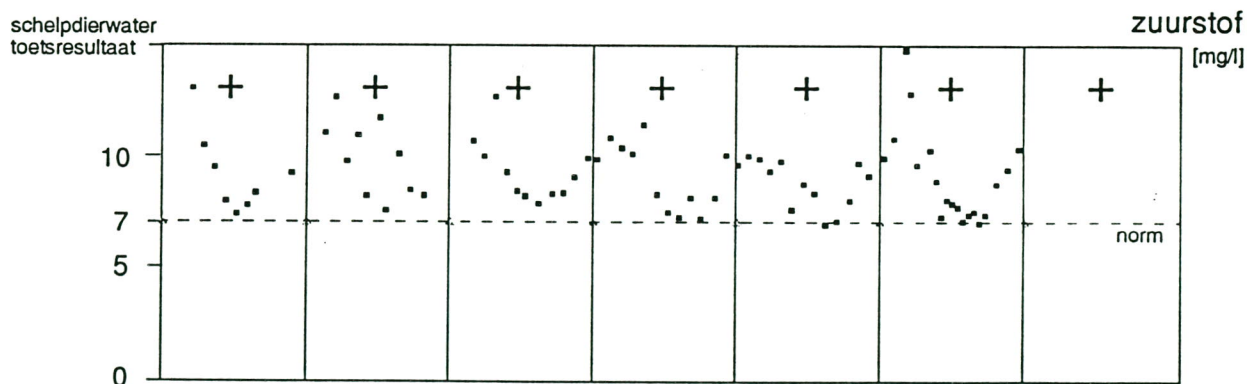
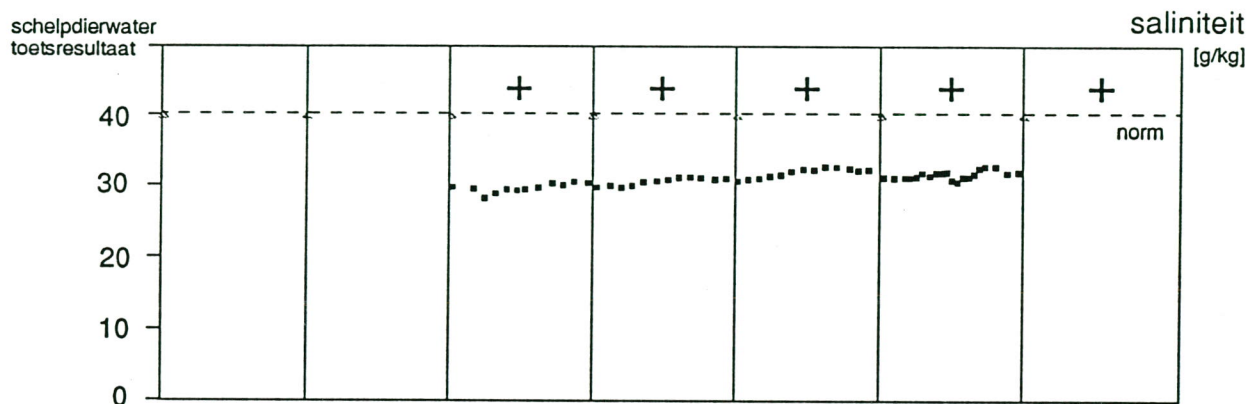
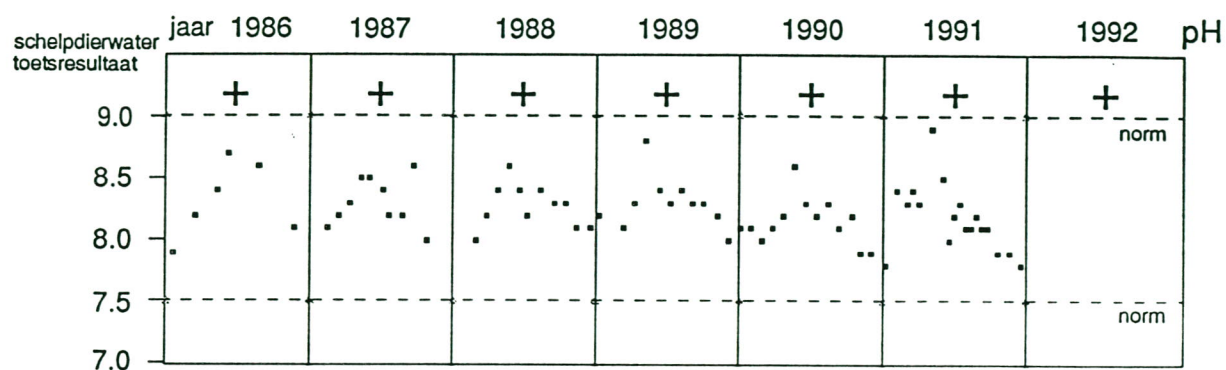
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|---|---|---|------|---|---|---|------|---|------|------|
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0 | 0.17 | 0.04 |
| 1988 | 0 | 0 | 0 | 0 | 0.02 | | | | | | | |
| 1989 | 0 | 0 | 0 | 0 | 0.02 | | | | | | | |

lokatie: **Oosterschelde, Lodijkse gat**

code: OS10



bijlage 14

lokatie: **Oosterschelde, Yerseke**

code: OS20

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.4 | 8.7 | 8.6 | 8.1 | | | | | | |
| 1987 | 8.2 | 8.2 | 8.5 | 8.5 | 8.4 | 8.2 | 8.3 | 8.6 | 8.1 | | | |
| 1988 | 8.0 | 8.2 | 8.4 | 8.6 | 8.5 | 8.2 | 8.4 | 8.4 | 8.3 | 8.1 | 8.1 | |
| 1989 | 8.1 | 7.6 | 8.1 | 8.3 | 8.8 | 8.4 | 8.2 | 8.3 | 8.3 | 8.3 | 8.3 | 8.1 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.2 | 8.2 | 8.7 | 8.3 | 8.2 | 8.3 | 8.1 | 8.2 | 7.8 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.5 | 8.3 | 8.3 | 8.9 | 8.5 | 8.2 | 8.1 | 8.1 | 8.0 | 7.9 | 7.8 |
| | 7.8 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 29.90 | 29.80 | 28.30 | 29.00 | 29.30 | 29.40 | 29.70 | 29.95 | 30.70 | 30.35 | 30.85 | 30.70 |
| 1989 | 29.95 | 30.20 | 29.95 | 30.20 | 30.65 | 30.45 | 31.05 | 31.35 | 31.05 | 30.20 | 31.10 | 31.25 |
| 1990 | 30.86 | 31.05 | 31.23 | 31.53 | 31.93 | 32.19 | 32.50 | 32.51 | 32.97 | 32.88 | 32.73 | 32.33 |
| | 32.54 | | | | | | | | | | | |
| 1991 | 31.49 | 31.28 | 31.28 | 31.50 | 31.66 | 31.97 | 30.97 | 31.36 | 31.77 | 32.86 | 32.86 | 31.76 |
| | 32.05 | | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| 1986 | 12.93 | 10.44 | 9.02 | 8.25 | 7.51 | 7.80 | 8.27 | 9.17 | | | | |
| 1987 | 10.98 | 12.64 | 9.92 | 10.90 | 8.16 | 11.97 | 7.62 | 10.25 | 8.18 | 8.21 | | |
| 1988 | 10.70 | 10.00 | 10.60 | 9.43 | 8.51 | 8.17 | 7.95 | 8.28 | 8.37 | 8.96 | 9.98 | |
| 1989 | 9.93 | 10.78 | 10.63 | 9.97 | 11.52 | 8.20 | 7.58 | 7.24 | 8.20 | 7.31 | 8.19 | 10.06 |
| 1990 | 9.61 | 10.01 | 9.89 | 9.29 | 9.83 | 7.59 | 8.64 | 8.35 | 6.93 | 6.92 | 7.98 | 8.68 |
| | 9.10 | | | | | | | | | | | |
| 1991 | 9.81 | 10.76 | 14.80 | 9.47 | 10.39 | 7.55 | 7.95 | 7.09 | 6.92 | 7.28 | 8.85 | 9.45 |
| | 10.27 | | | | | | | | | | | |

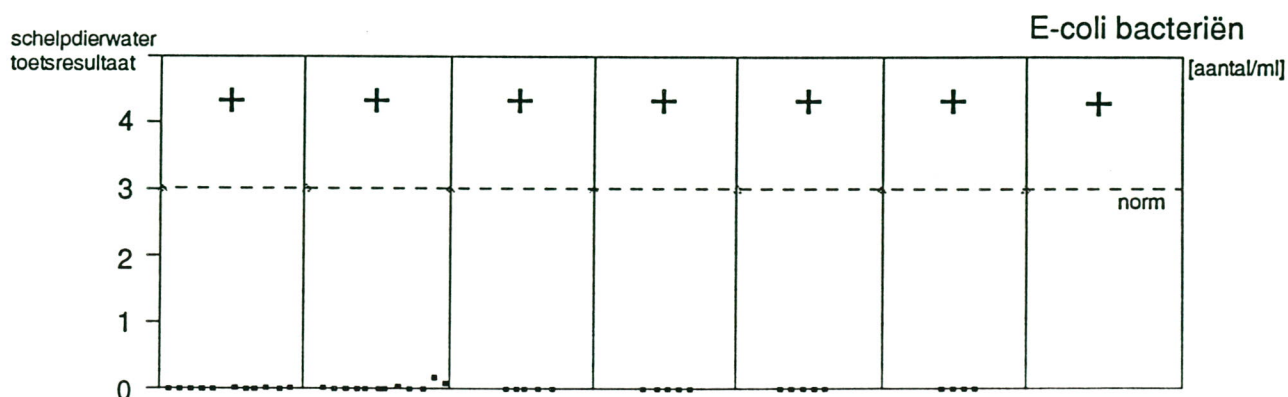
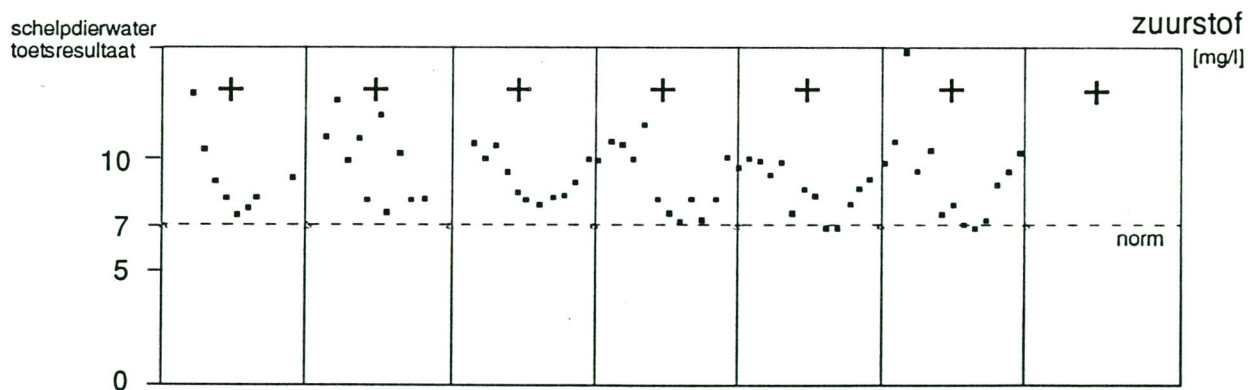
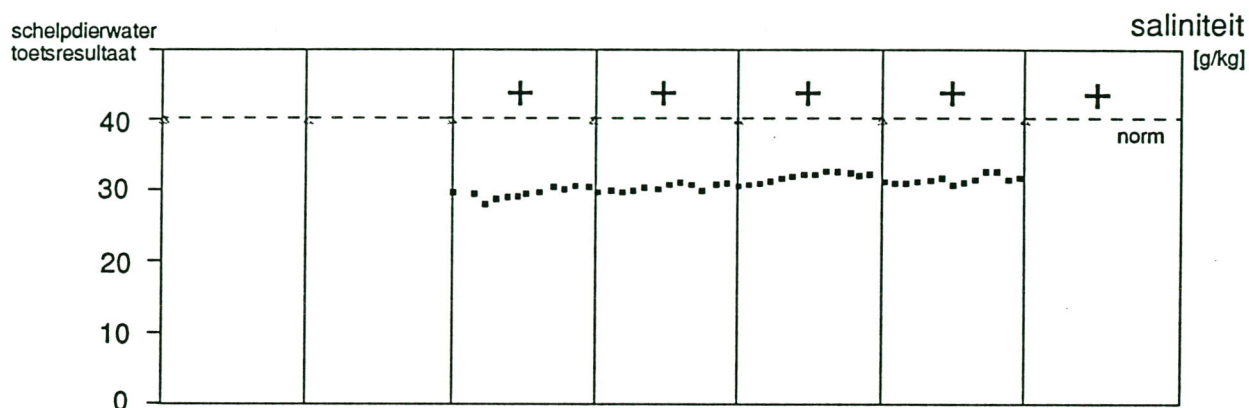
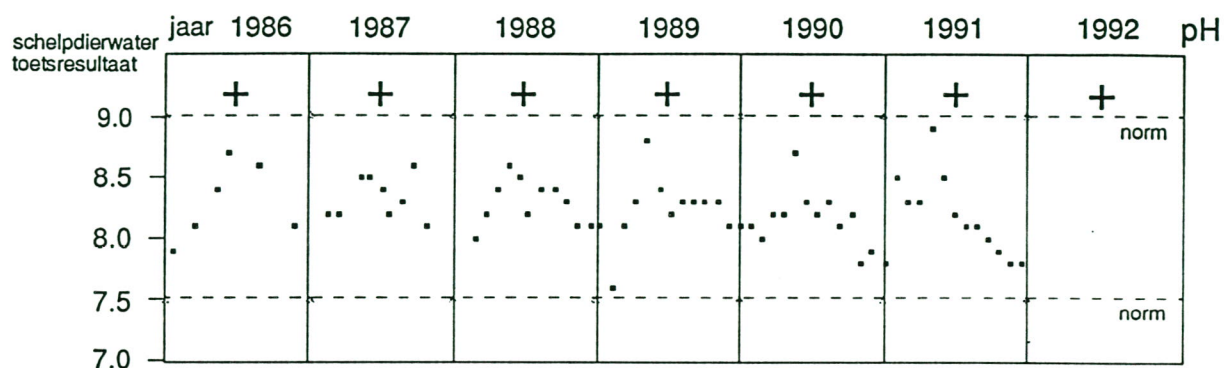
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|---|------|---|------|------|---|------|------|
| 1986 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0 | 0 | 0.02 | 0 | 0.02 | |
| 1987 | 0.02 | 0 | 0 | 0 | 0 | 0 | 0 | 0.04 | 0 | 0 | 0.17 | 0.09 |
| 1988 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1989 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1990 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1991 | <0.02 | <0.02 | <0.02 | <0.02 | | | | | | | | |

lokatie: **Oosterschelde, Yerseke**

code: OS20



bijlage 15lokatie: **Oosterschelde, Oosterschelde**

code: OS80

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.4 | 8.3 | 8.1 | | | | | | | |
| 1987 | 8.2 | 8.1 | 8.3 | 8.6 | 8.5 | 8.1 | 8.2 | 8.2 | 8.6 | 8.0 | | |
| 1988 | 8.0 | 8.2 | 8.4 | 8.6 | 8.3 | 8.1 | 8.3 | 8.3 | 8.3 | 8.0 | 8.0 | |
| 1989 | 8.1 | 8.0 | 8.0 | 8.3 | 8.7 | 8.3 | 8.2 | 8.3 | 8.3 | 8.2 | 8.2 | 7.9 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.2 | 8.6 | 8.3 | 8.2 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.2 | 8.2 | 8.2 | 8.9 | 8.5 | 8.1 | 8.2 | 8.2 | 8.1 | 8.0 | 7.9 |
| | 7.8 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 30.35 | 29.90 | 28.75 | 28.90 | 29.80 | 29.65 | 29.50 | 30.35 | 31.25 | 30.70 | 31.15 | 29.95 |
| 1989 | 29.90 | 30.70 | 30.35 | 30.85 | 30.85 | 30.55 | 31.15 | 31.25 | 31.25 | 31.00 | 31.15 | 31.65 |
| 1990 | 31.18 | 31.70 | 31.58 | 31.73 | 31.83 | 32.45 | 32.43 | 32.49 | 32.54 | 32.87 | 33.08 | 32.56 |
| | 32.84 | | | | | | | | | | | |
| 1991 | 31.66 | 31.78 | 31.71 | 31.72 | 33.65 | 31.72 | 31.04 | 31.80 | 32.20 | 32.92 | 33.24 | 32.41 |
| | 32.96 | | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|------|------|
| 1986 | 12.57 | 6.99 | 7.55 | 8.90 | | | | | | | | |
| 1987 | 11.23 | 11.63 | 10.72 | 11.55 | 7.83 | 9.16 | 7.49 | 10.10 | 8.22 | 8.06 | | |
| 1988 | 10.60 | 10.10 | 11.50 | 9.86 | 7.88 | 7.48 | 7.67 | 8.13 | 8.11 | 8.79 | 9.90 | |
| 1989 | 9.81 | 10.62 | 10.06 | 10.11 | 10.84 | 7.43 | 7.74 | 7.63 | 7.60 | 7.18 | 7.80 | 9.70 |
| 1990 | 9.44 | 9.88 | 9.92 | 9.21 | 9.97 | 7.38 | 8.10 | 8.27 | 6.99 | 6.78 | 8.00 | 8.43 |
| | 8.94 | | | | | | | | | | | |
| 1991 | 9.84 | 10.36 | 12.73 | 10.12 | 9.94 | 7.14 | 7.56 | 7.53 | 7.19 | 6.95 | 8.52 | 8.85 |
| | 9.92 | | | | | | | | | | | |

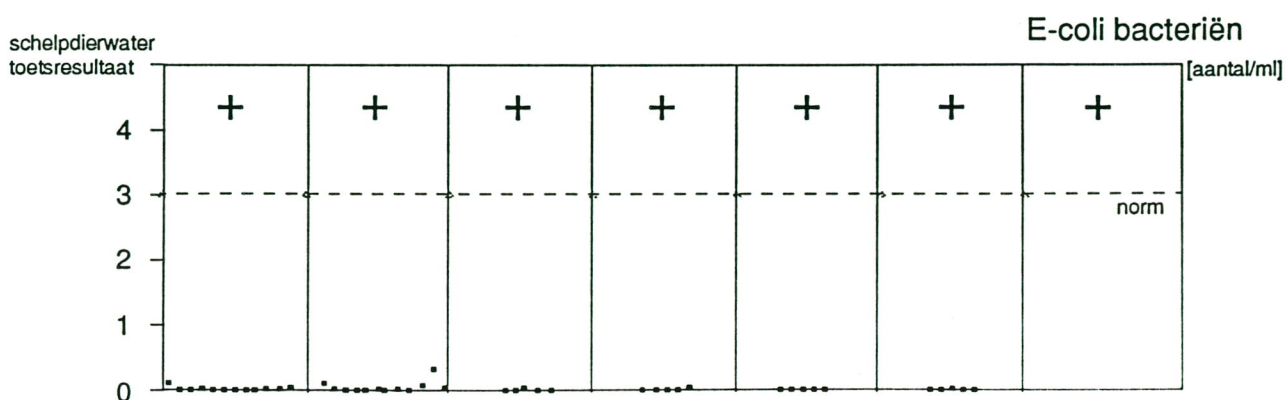
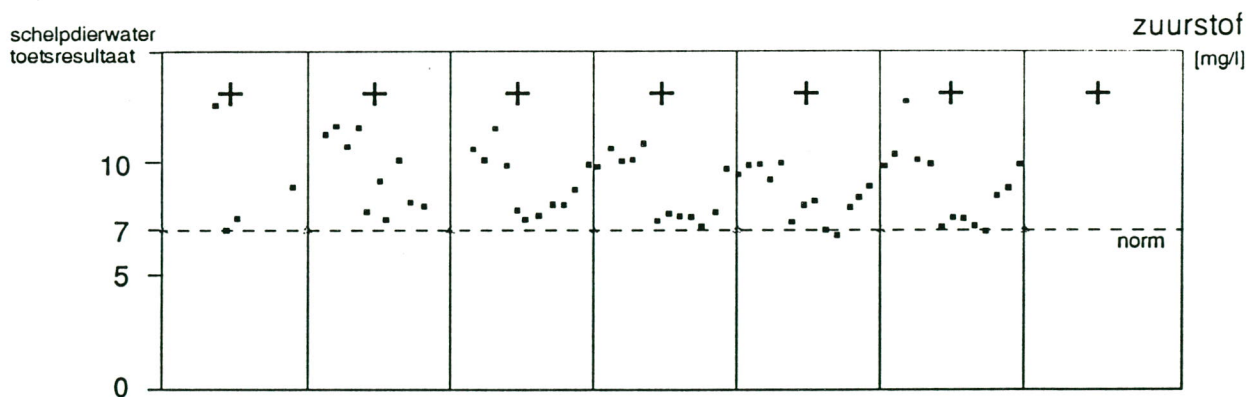
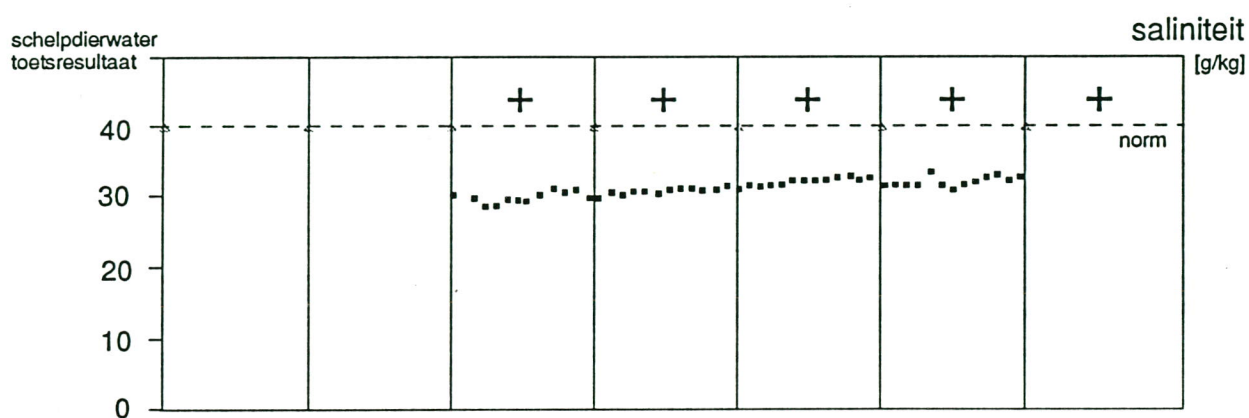
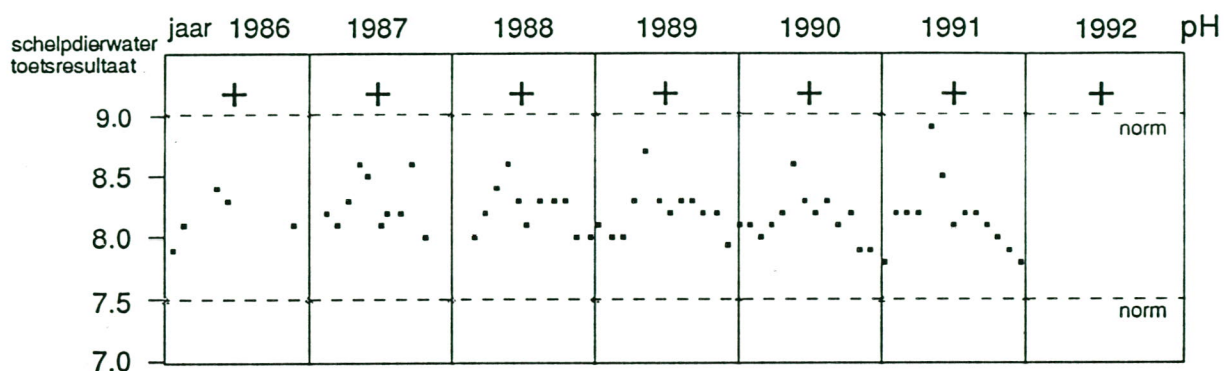
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|-------|------|-------|-------|------|---|------|---|------|------|------|
| 1986 | 0.11 | 0 | 0 | 0.02 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0.04 |
| 1987 | 0.11 | 0.02 | 0 | 0 | 0 | 0.02 | 0 | 0.02 | 0 | 0.08 | 0.33 | 0.04 |
| 1988 | 0 | 0 | 0.04 | 0 | 0 | | | | | | | |
| 1989 | 0 | 0 | 0 | 0 | 0.04 | | | | | | | |
| 1990 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1991 | 0 | <0.02 | 0.02 | <0.02 | <0.02 | | | | | | | |

lokatie: **Oosterschelde, Oosterschelde**

code: OS80



bijlage 16

lokatie: **Oosterschelde, Zierikzee de Val**

code: OS90

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.5 | 8.2 | 8.2 | 8.2 | | | | | | |
| 1987 | 8.1 | 8.1 | 8.3 | 8.6 | 8.6 | 8.1 | 8.1 | 8.2 | 8.5 | 8.0 | | |
| 1988 | 8.0 | 8.1 | 8.5 | 8.6 | 8.3 | 8.1 | 8.2 | 8.3 | 8.3 | 8.0 | 8.0 | |
| 1989 | 8.1 | 8.1 | 8.1 | 8.2 | 8.7 | 8.4 | 8.2 | 8.2 | 8.3 | 8.2 | 8.3 | 8.1 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.2 | 8.2 | 8.5 | 8.2 | 8.2 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.2 | 7.9 | 8.4 | 8.9 | 8.4 | 8.1 | 8.2 | 8.2 | 8.1 | 7.9 | 7.9 |
| | 7.9 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 30.30 | 29.80 | 28.55 | 29.70 | 29.55 | 29.50 | 30.10 | 31.35 | 31.00 | 31.40 | 29.80 | |
| 1989 | 29.80 | 31.00 | 30.70 | 30.95 | 30.75 | 30.55 | 30.90 | 31.05 | 31.05 | 31.35 | 30.95 | 31.40 |
| 1990 | 31.11 | 31.70 | 31.64 | 31.85 | 31.87 | 32.52 | 32.40 | 32.46 | 32.44 | 32.67 | 33.01 | 32.85 |
| | 33.14 | | | | | | | | | | | |
| 1991 | 31.59 | 31.49 | 31.70 | 31.75 | 31.45 | 31.64 | 30.92 | 31.70 | 32.27 | 32.85 | 33.17 | 32.43 |
| | 32.79 | | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1986 | 11.33 | 14.25 | 7.05 | 7.84 | 7.32 | 9.08 | | | | | | |
| 1987 | 11.01 | 11.43 | 10.56 | 11.34 | 8.31 | 8.84 | 6.99 | 9.17 | 8.16 | 8.00 | | |
| 1988 | 10.50 | 10.20 | 11.40 | 10.20 | 7.96 | 7.45 | 8.26 | 8.12 | 8.76 | 9.84 | | |
| 1989 | 9.79 | 10.50 | 10.02 | 10.19 | 11.40 | 7.40 | 7.72 | 7.75 | 7.65 | 7.29 | 7.98 | 9.73 |
| 1990 | 9.49 | 9.95 | 9.98 | 9.19 | 10.34 | 7.14 | 7.73 | 8.34 | 6.79 | 6.81 | 7.92 | 8.41 |
| | 8.95 | | | | | | | | | | | |
| 1991 | 9.83 | 10.35 | 11.56 | 10.08 | 10.24 | 7.14 | 7.54 | 7.62 | 7.22 | 7.06 | 8.48 | 8.86 |
| | 9.90 | | | | | | | | | | | |

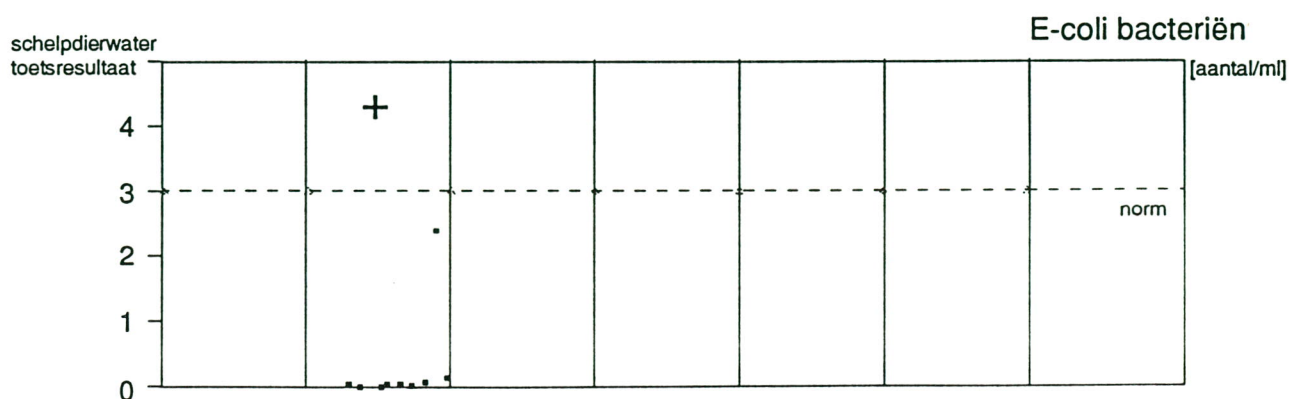
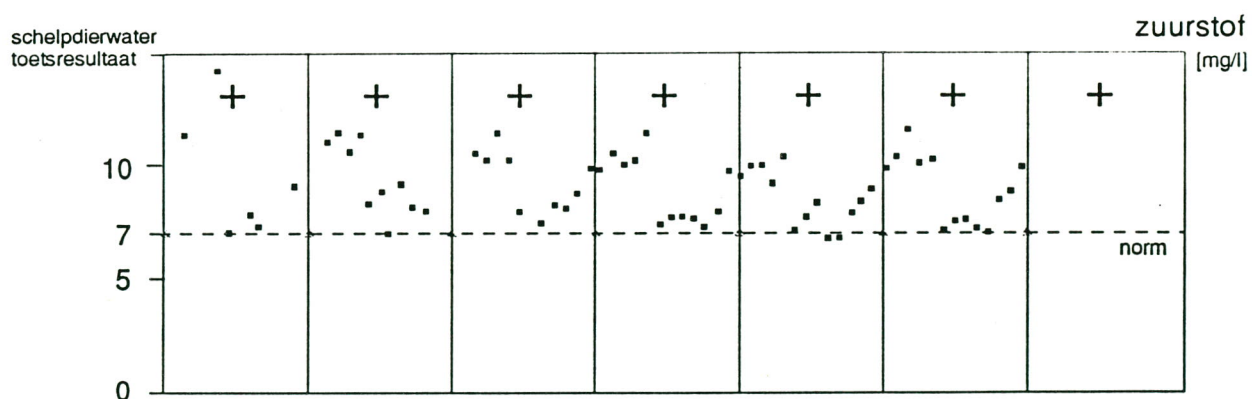
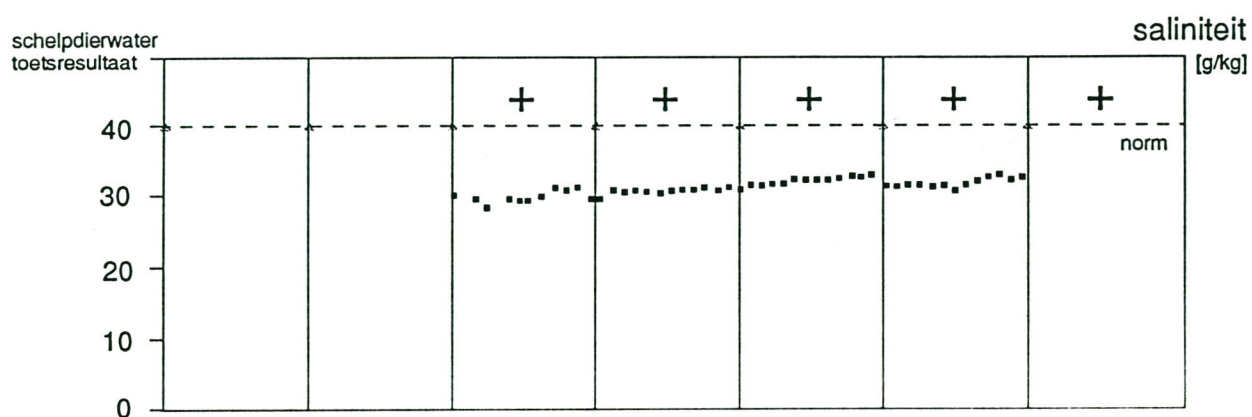
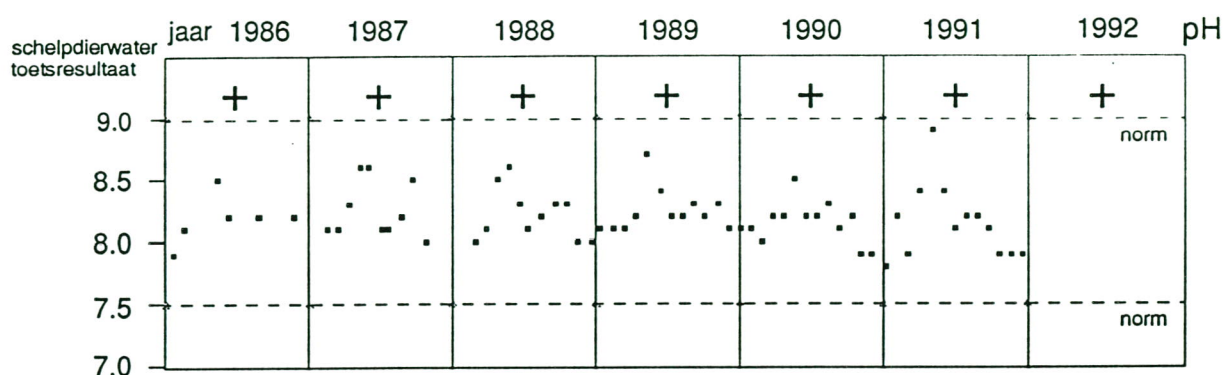
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|---|---|------|------|------|------|------|------|--|--|--|
| 1987 | 0.04 | 0 | 0 | 0.04 | 0.04 | 0.02 | 0.07 | 2.40 | 0.14 | | | |
|------|------|---|---|------|------|------|------|------|------|--|--|--|

lokatie: **Oosterschelde, Zierikzee de Val**

code: OS90



bijlage 17

lokatie: **Oosterschelde, Hammen oost**

code: OS110

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.5 | 8.2 | 8.2 | 8.1 | | | | | | |
| 1987 | 8.1 | 8.1 | 8.6 | 8.6 | 8.1 | 8.1 | 8.1 | 8.5 | 8.0 | | | |
| 1988 | 8.0 | 8.1 | 8.3 | 8.6 | 8.3 | 8.1 | 8.2 | 8.3 | 8.3 | 8.0 | 8.0 | |
| 1989 | 8.1 | 8.1 | 8.1 | 8.3 | 8.7 | 8.3 | 8.2 | 8.3 | 8.3 | 8.3 | 8.3 | 8.1 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.2 | 8.5 | 8.2 | 8.2 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.3 | 7.9 | 8.2 | 8.3 | 8.9 | 8.5 | 7.9 | 8.1 | 8.1 | 8.2 | 8.2 |
| | 8.1 | 8.1 | 8.1 | 8.0 | 7.9 | 7.9 | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 30.05 | 29.40 | 29.00 | 29.10 | 29.90 | 29.65 | 29.65 | 30.10 | 31.50 | 31.15 | 31.65 | 29.55 |
| 1989 | 29.95 | 31.65 | 30.95 | 31.50 | 30.85 | 30.65 | 31.15 | 31.10 | 30.95 | 31.50 | 31.05 | 31.45 |
| 1990 | 31.29 | 31.88 | 32.08 | 31.98 | 31.86 | 32.87 | 32.52 | 32.54 | 32.53 | 32.74 | 33.58 | 33.01 |
| | 32.96 | | | | | | | | | | | |
| 1991 | 31.90 | 31.49 | 31.72 | 31.94 | 31.84 | 32.10 | 31.26 | 31.75 | 31.58 | 32.02 | 31.10 | 31.97 |
| | 31.81 | 32.25 | 32.28 | 32.93 | 32.95 | 33.29 | 32.78 | 33.31 | | | | |

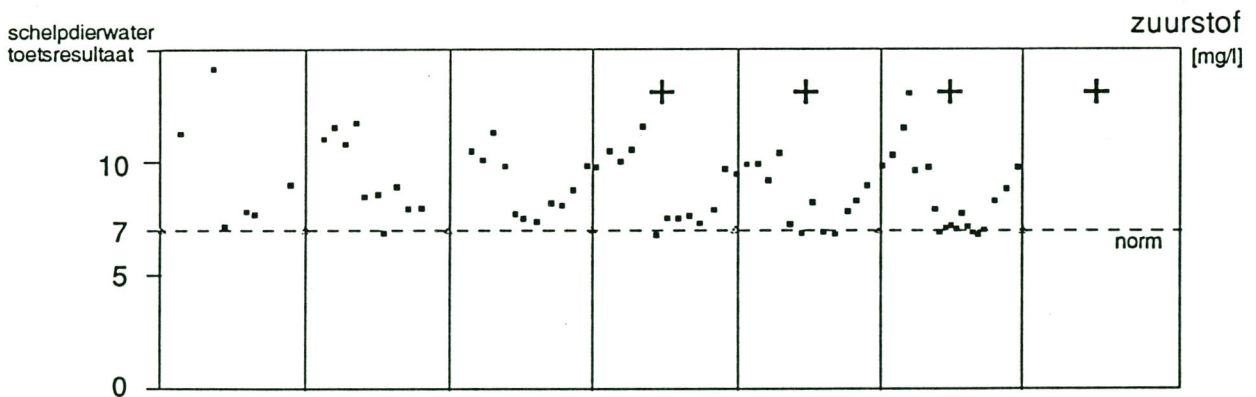
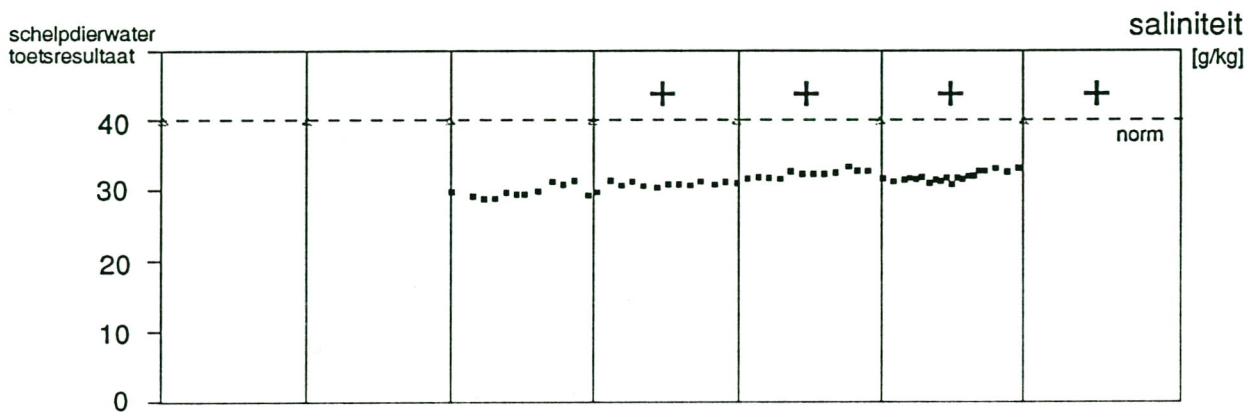
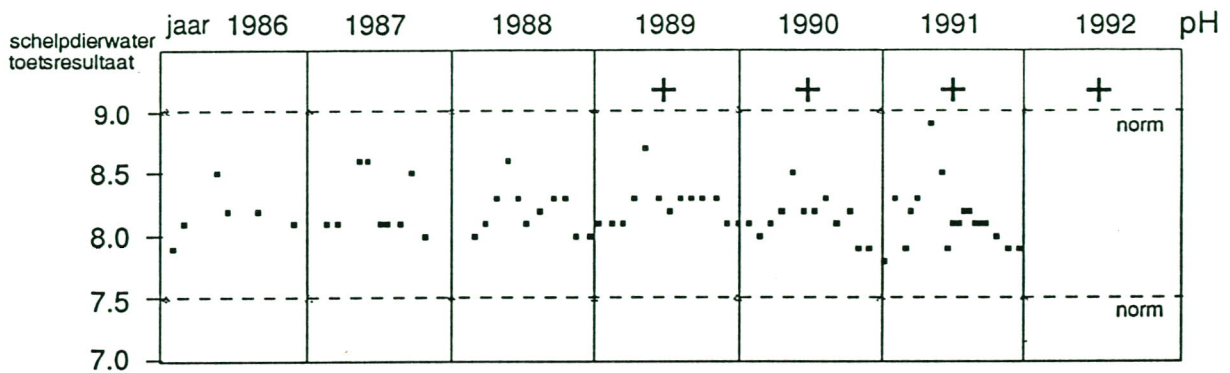
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1986 | 11.26 | 14.13 | 7.18 | 7.84 | 7.71 | 9.02 | | | | | | |
| 1987 | 11.00 | 11.54 | 10.79 | 11.71 | 8.49 | 8.58 | 6.90 | 8.92 | 7.98 | 7.99 | | |
| 1988 | 10.50 | 10.10 | 11.30 | 9.82 | 7.75 | 7.54 | 7.40 | 8.22 | 8.13 | 8.78 | 9.84 | |
| 1989 | 9.77 | 10.47 | 10.03 | 10.55 | 11.55 | 6.80 | 7.56 | 7.54 | 7.66 | 7.33 | 7.93 | 9.69 |
| 1990 | 9.48 | 9.90 | 9.91 | 9.21 | 10.40 | 7.28 | 6.90 | 8.25 | 6.95 | 6.85 | 7.87 | 8.33 |
| | 8.99 | | | | | | | | | | | |
| 1991 | 9.84 | 10.32 | 11.50 | 13.05 | 9.64 | 9.77 | 7.96 | 6.94 | 7.13 | 7.22 | 7.09 | 7.77 |
| | 7.19 | 6.93 | 6.84 | 7.04 | 8.32 | 8.84 | 9.79 | | | | | |

lokatie: **Oosterschelde, Hammen oost**

code: OS110



bijlage 18

lokatie: **Oosterschelde, Roggenplaat**

code: OS130

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.5 | 8.2 | 8.2 | 8.2 | | | | | | |
| 1987 | 8.1 | 8.1 | 8.3 | 8.7 | 8.7 | 8.2 | 8.1 | 8.2 | 8.5 | 8.1 | | |
| 1988 | 8.0 | 8.1 | 8.4 | 8.6 | 8.2 | 8.1 | 8.1 | 8.2 | 8.3 | 8.0 | 8.0 | |
| 1989 | 8.1 | 8.2 | 8.0 | 8.3 | 8.6 | 8.3 | 8.3 | 8.2 | 8.3 | 8.3 | 8.3 | 8.1 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.3 | 8.6 | 8.2 | 8.1 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 7.8 | 8.2 | 8.0 | 8.3 | 8.8 | 8.5 | 8.1 | 8.1 | 8.1 | 8.1 | 8.0 | 7.9 |
| | 7.9 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 30.55 | 29.15 | 29.30 | 29.10 | 30.05 | 29.80 | 29.55 | 31.15 | 31.65 | 31.40 | 31.80 | 29.15 |
| 1989 | 30.20 | 32.20 | 31.50 | 31.75 | 30.90 | 30.95 | 31.45 | 31.25 | 30.95 | 31.10 | 31.25 | 31.75 |
| 1990 | 31.57 | 32.16 | 32.73 | 32.26 | 32.37 | 32.94 | 32.44 | 32.80 | 32.62 | 32.91 | 33.75 | 33.34 |
| | 33.17 | | | | | | | | | | | |
| 1991 | 31.80 | 31.62 | 31.98 | 31.97 | 30.93 | 31.43 | 31.23 | 32.16 | 32.54 | 33.07 | 33.50 | 32.82 |
| | 33.72 | | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1986 | 11.32 | 13.52 | 7.17 | 7.98 | 7.84 | 9.02 | | | | | | |
| 1987 | 11.00 | 11.56 | 10.79 | 12.21 | 8.54 | 9.88 | 7.17 | 8.94 | 7.79 | 8.00 | | |
| 1988 | 10.50 | 10.10 | 11.50 | 10.60 | 7.73 | 7.54 | 7.16 | 8.16 | 8.17 | 8.80 | 9.97 | |
| 1989 | 9.79 | 10.48 | 10.03 | 10.82 | 10.00 | 6.66 | 7.91 | 6.97 | 7.83 | 7.31 | 8.01 | 9.61 |
| 1990 | 9.47 | 9.90 | 9.87 | 9.17 | 10.80 | 8.51 | 6.98 | 8.03 | 7.31 | 6.83 | 7.85 | 8.48 |
| | 9.02 | | | | | | | | | | | |
| 1991 | 9.79 | 10.29 | 11.18 | 10.05 | 9.39 | 6.90 | 7.27 | 7.63 | 6.92 | 7.17 | 8.44 | 9.13 |
| | 9.73 | | | | | | | | | | | |

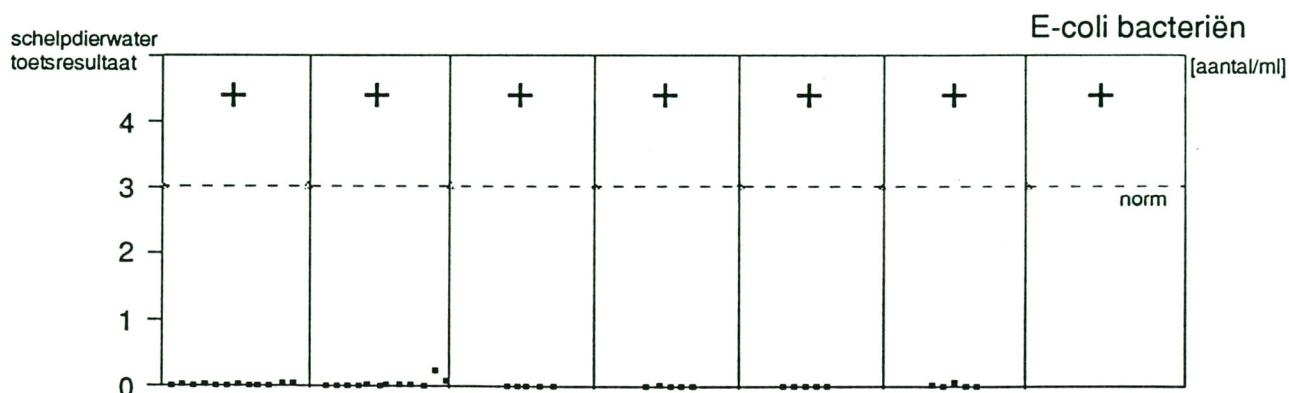
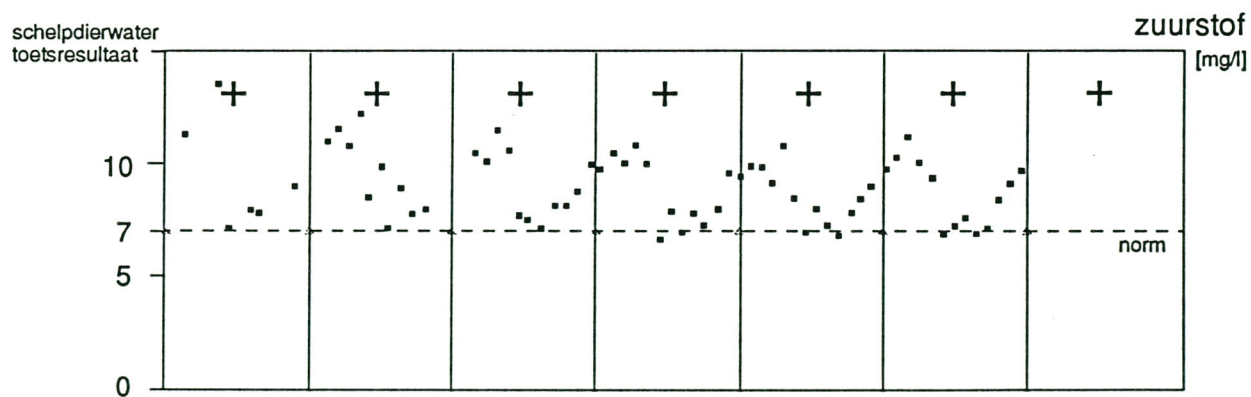
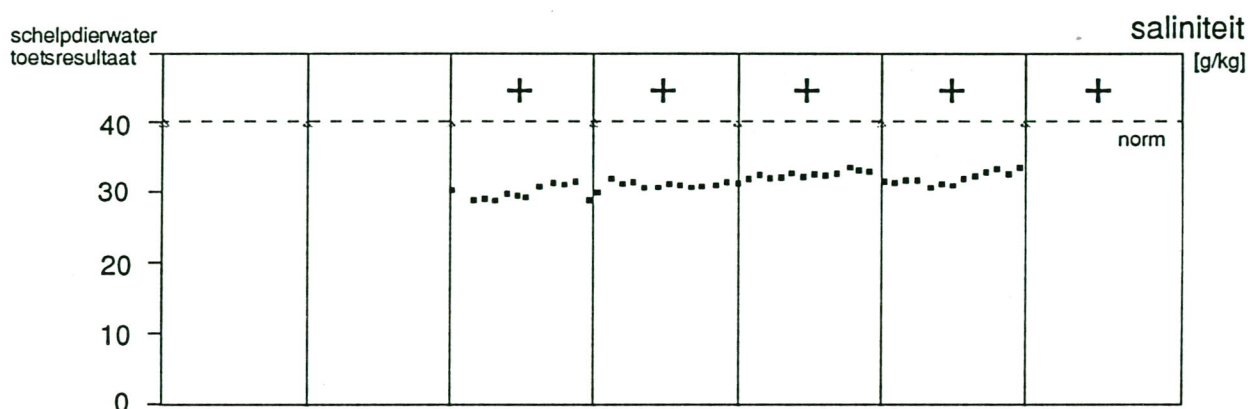
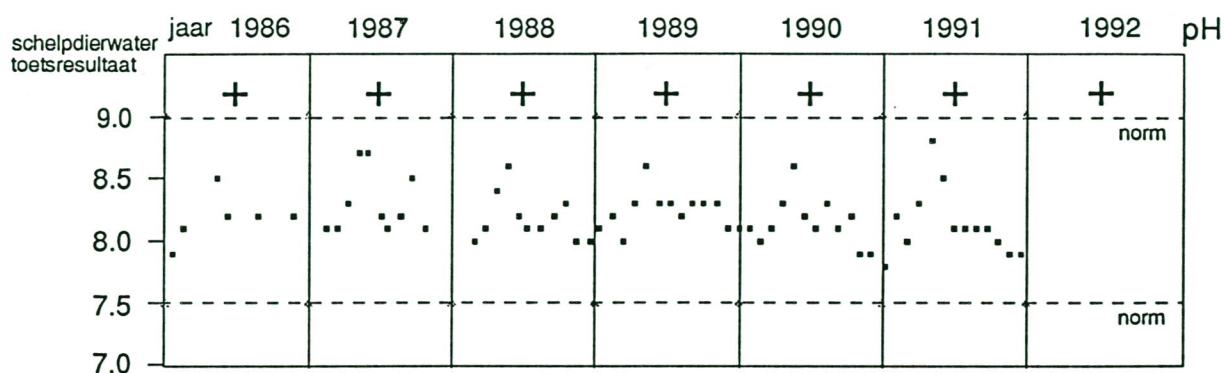
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|-------|------|-------|-------|---|------|------|------|---|------|------|
| 1986 | 0 | 0.02 | 0 | 0.02 | 0 | 0 | 0.02 | 0 | 0 | 0 | 0.04 | 0.04 |
| 1987 | 0 | 0 | 0 | 0 | 0.02 | 0 | 0.02 | 0.02 | 0.02 | 0 | 0.23 | 0.08 |
| 1988 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1989 | 0 | 0.02 | 0 | 0 | 0 | | | | | | | |
| 1990 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1991 | 0.02 | <0.02 | 0.06 | <0.02 | <0.02 | | | | | | | |

lokatie: **Oosterschelde, Roggenplaat**

code: OS130



bijlage 19

lokatie: **Oosterschelde, Roompot**

code: OS140

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.5 | 8.2 | 8.1 | | | | | | | |
| 1987 | 8.1 | 8.1 | 8.3 | 8.7 | 8.7 | 8.2 | 8.2 | 8.1 | 8.5 | 8.1 | | |
| 1988 | 8.0 | 8.2 | 8.3 | 8.6 | 8.4 | 8.2 | 8.1 | 8.3 | 8.3 | 8.0 | 8.1 | |
| 1989 | 8.1 | 8.1 | 8.0 | 8.3 | 8.6 | 8.5 | 8.2 | 8.1 | 8.2 | 8.3 | 8.3 | 8.1 |
| 1990 | 8.1 | 8.1 | 8.0 | 8.1 | 8.3 | 8.5 | 8.2 | 8.1 | 8.3 | 8.1 | 8.2 | 7.9 |
| | 8.0 | | | | | | | | | | | |
| 1991 | 7.8 | 8.2 | 8.1 | 8.1 | 8.3 | 8.8 | 8.5 | 7.9 | 8.1 | 8.0 | 8.1 | 8.1 |
| | 8.1 | 8.2 | 8.1 | 8.0 | 7.9 | 7.9 | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 30.70 | 29.65 | 29.95 | 29.30 | 30.30 | 29.90 | 29.95 | 31.40 | 31.65 | 31.65 | 32.00 | 29.30 |
| 1989 | 30.45 | 32.00 | 31.75 | 31.90 | 30.90 | 30.80 | 31.55 | 31.35 | 31.55 | 31.90 | 31.55 | 31.85 |
| 1990 | 32.09 | 32.26 | 32.57 | 32.41 | 32.53 | 33.05 | 32.52 | 32.99 | 32.66 | 33.15 | 33.60 | 33.27 |
| | 33.20 | | | | | | | | | | | |
| 1991 | 31.63 | 31.59 | 31.87 | 32.36 | 31.94 | 32.31 | 30.77 | 31.90 | 31.54 | 32.14 | 31.43 | 32.06 |
| | 32.60 | 32.71 | 32.74 | 33.09 | 33.16 | 33.66 | 33.19 | 33.44 | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1986 | 11.20 | 13.51 | 7.47 | 8.02 | 8.96 | | | | | | | |
| 1987 | 11.11 | 11.81 | 11.22 | 12.28 | 8.56 | 9.96 | 7.19 | 8.83 | 7.91 | 8.12 | | |
| 1988 | 10.60 | 10.10 | 10.90 | 10.40 | 8.19 | 7.71 | 7.21 | 8.15 | 8.19 | 8.84 | 9.91 | |
| 1989 | 9.82 | 10.55 | 10.08 | 10.73 | 10.38 | 6.75 | 7.63 | 6.89 | 7.98 | 7.40 | 7.92 | 9.73 |
| 1990 | 9.50 | 9.90 | 9.20 | 11.36 | 7.31 | 7.12 | 8.08 | 7.47 | 6.97 | 7.86 | 8.51 | 9.10 |
| 1991 | 9.80 | 10.34 | 11.14 | 12.13 | 10.23 | 8.50 | 7.71 | 7.28 | 6.98 | 7.33 | 7.25 | 7.35 |
| | 7.28 | 7.06 | 7.20 | 7.16 | 8.41 | 8.95 | 9.87 | | | | | |

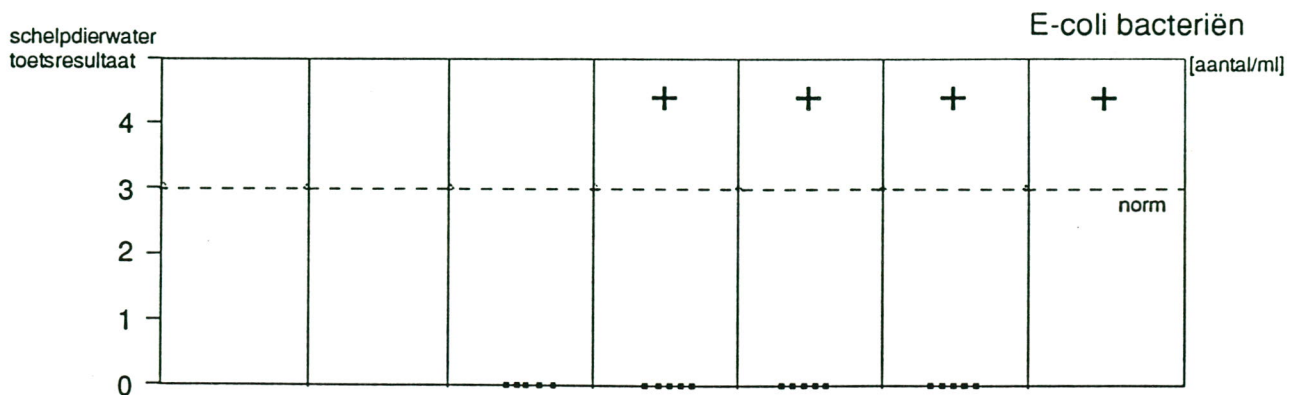
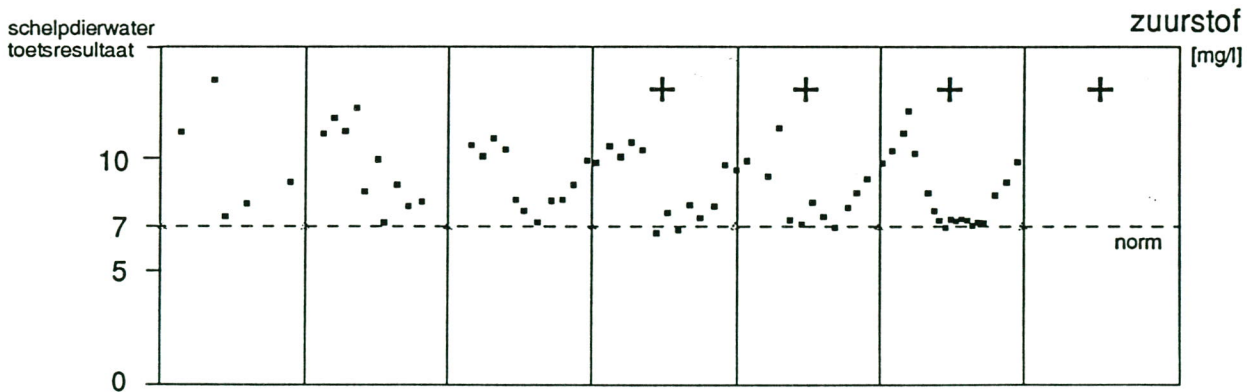
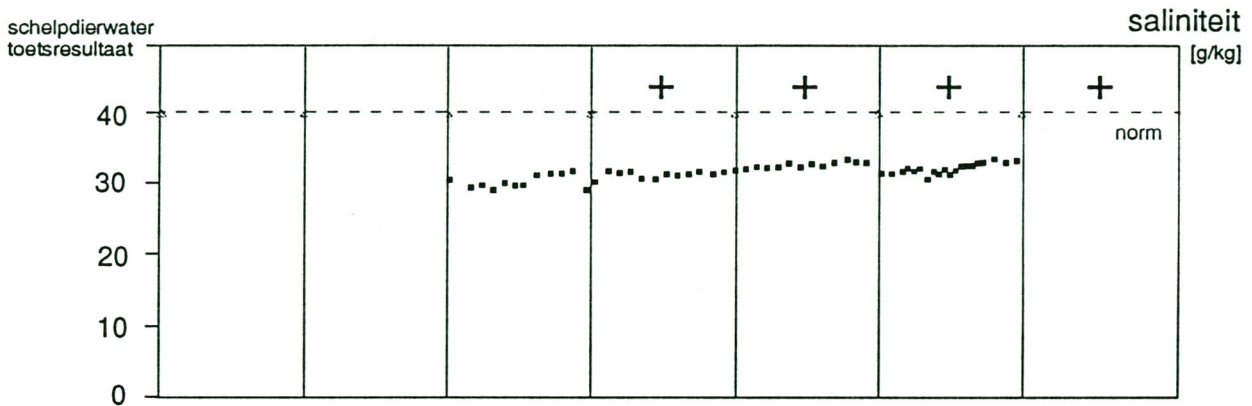
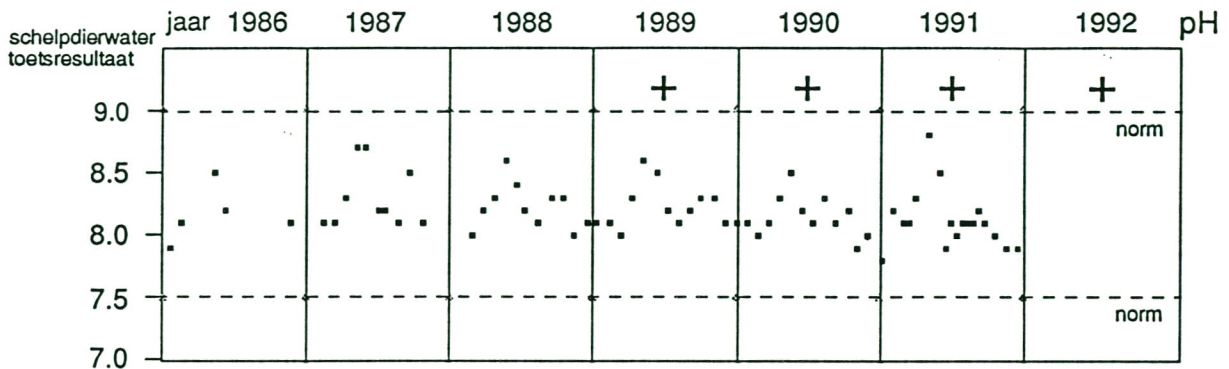
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|-------|-------|-------|-------|--|--|--|--|--|--|--|
| 1988 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1989 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1990 | 0 | 0 | 0 | 0 | 0 | | | | | | | |
| 1991 | 0 | <0.02 | <0.02 | <0.02 | <0.02 | | | | | | | |

lokatie: **Oosterschelde, Roompot**

code: OS140



bijlage 20

lokatie: **Westerschelde, Vlissingen**

code: WS160

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.8 | 7.8 | | | | | | | | | | |
| 1987 | 8.0 | 7.9 | 7.8 | 7.9 | 8.4 | 8.6 | 8.2 | 8.2 | 8.0 | 7.9 | 7.8 | 7.9 |
| 1988 | 7.8 | 7.8 | 7.9 | 8.0 | 8.1 | 7.8 | 8.5 | 8.1 | 8.1 | 8.1 | | |
| 1989 | 8.1 | 8.0 | 8.5 | 8.5 | 8.7 | 8.2 | 8.1 | 8.2 | 8.0 | 8.3 | 8.1 | |
| 1990 | 8.0 | 8.0 | 8.1 | 8.1 | 8.3 | 8.5 | 8.3 | 8.2 | 8.1 | 8.2 | 8.0 | 7.9 |
| | 7.9 | 7.8 | | | | | | | | | | |
| 1991 | 9.4 | 8.5 | 7.9 | 8.2 | 8.3 | 8.6 | 8.3 | 8.5 | 8.1 | 8.0 | 8.0 | 8.0 |
| | 8.1 | 8.2 | 8.1 | 8.0 | 7.9 | 8.0 | 7.8 | 7.2 | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 30.81 | 27.36 | 29.65 | 27.36 | 27.50 | 29.65 | 29.94 | 31.15 | 31.86 | 32.52 | 32.12 | 30.52 |
| | 31.17 | | | | | | | | | | | |
| 1987 | 30.37 | 28.45 | 26.55 | 26.23 | 27.34 | 28.61 | 28.40 | 26.70 | 26.86 | 26.95 | | |
| 1988 | 27.50 | 24.95 | 27.55 | 25.15 | 26.05 | 27.90 | 26.05 | 28.30 | 31.10 | 30.95 | 30.60 | 28.85 |
| 1989 | 27.25 | 28.90 | 28.85 | 29.40 | 29.10 | 28.95 | 30.25 | 30.65 | 30.70 | 31.20 | 30.95 | 31.40 |
| 1990 | 31.04 | 31.11 | 30.23 | 30.40 | 30.98 | 31.07 | 31.26 | 32.34 | 32.00 | 32.69 | 32.09 | 32.71 |
| | 32.05 | | | | | | | | | | | |
| 1991 | 30.72 | 30.07 | 29.65 | 30.42 | 30.08 | 30.88 | 31.22 | 30.80 | 30.98 | 30.53 | 29.96 | 30.30 |
| | 32.68 | 30.91 | 31.08 | 32.37 | 32.46 | 31.48 | 32.50 | 31.17 | 31.41 | 31.26 | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 1986 | 10.60 | 11.27 | 11.76 | 10.60 | 11.00 | 8.69 | 7.91 | 7.11 | 7.33 | 7.62 | 8.12 | 8.70 |
| | 9.40 | | | | | | | | | | | |
| 1987 | 9.56 | 11.08 | 9.48 | 7.23 | 14.77 | 9.62 | 7.82 | 7.97 | 7.88 | 7.98 | 7.99 | 9.89 |
| 1988 | 9.72 | 9.23 | 7.18 | 8.43 | 7.46 | 7.18 | 8.97 | 8.75 | 9.59 | | | |
| 1989 | 9.45 | 10.30 | 9.30 | 8.57 | 6.98 | 7.85 | 7.34 | 7.27 | 6.72 | 7.98 | 9.10 | |
| 1990 | 11.21 | 9.85 | 9.14 | 9.23 | 9.69 | 9.00 | 9.44 | 7.91 | 8.18 | 6.49 | 7.78 | 7.96 |
| | 9.25 | | | | | | | | | | | |
| 1991 | 9.75 | 9.71 | 10.33 | 10.05 | 11.29 | 9.09 | 9.00 | 8.72 | 7.15 | 7.79 | 6.97 | 7.62 |
| | 7.07 | 8.86 | 6.73 | 6.81 | 6.87 | 7.63 | 7.67 | 8.22 | 8.84 | | | |

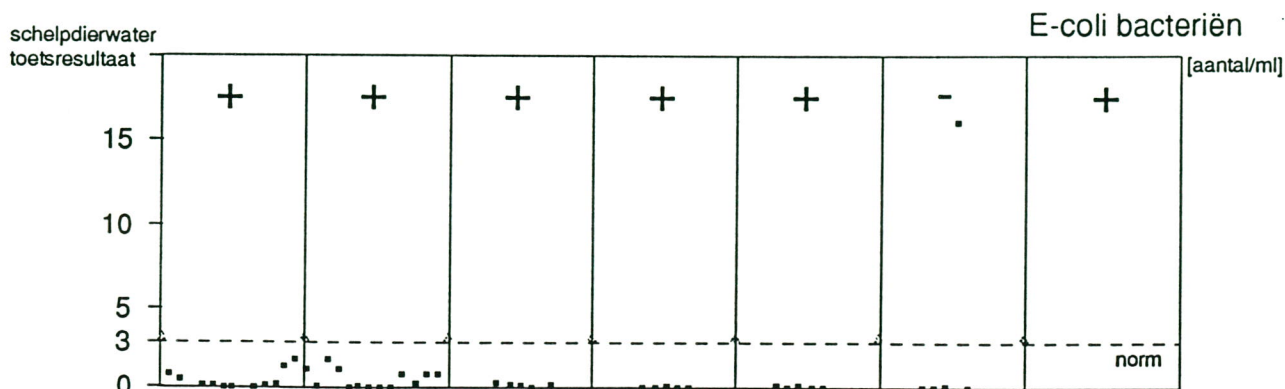
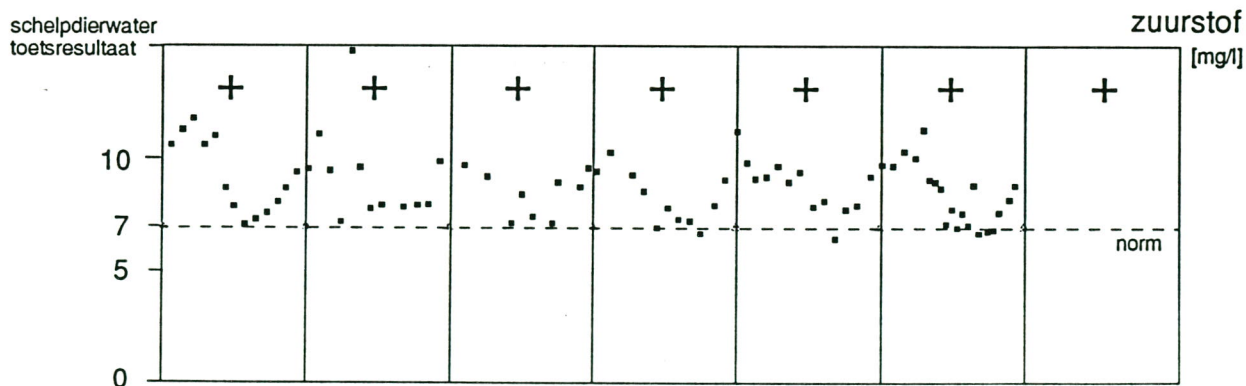
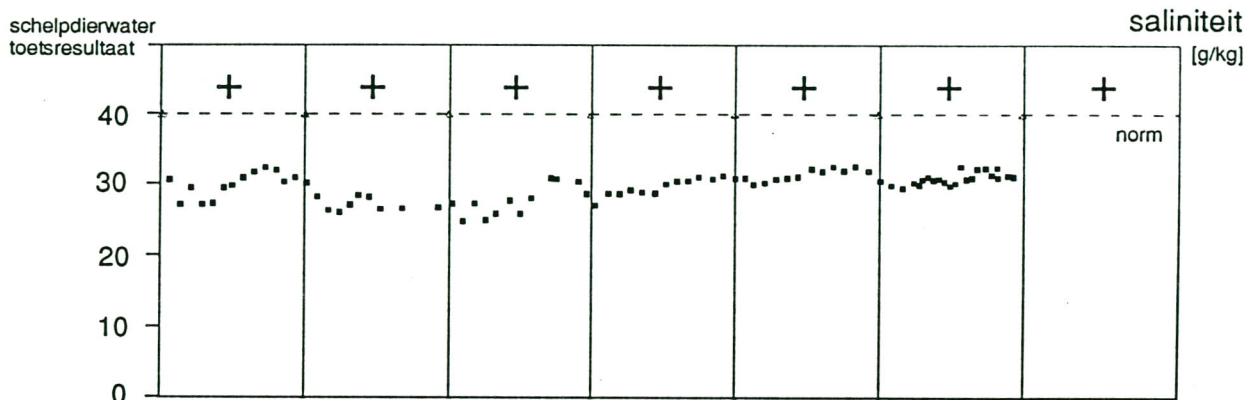
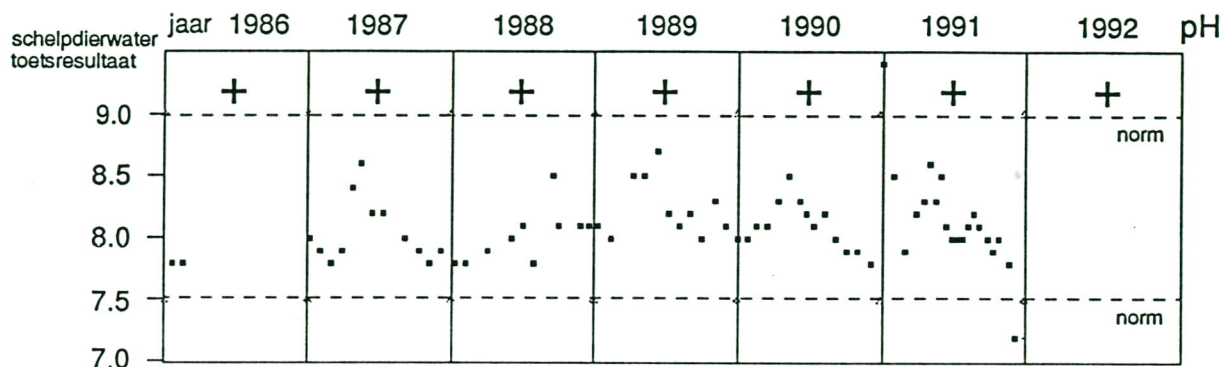
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|-------|------|------|-------|------|------|---|------|------|------|------|------|
| 1986 | 0.79 | 0.49 | 0.13 | 0.13 | 0.02 | 0 | 0 | 0.14 | 0.22 | 1.30 | 1.70 | |
| 1987 | 1.10 | 0.11 | 1.70 | 1.10 | 0 | 0.08 | 0 | 0 | 0 | 0.79 | 0.23 | 0.79 |
| | 0.79 | | | | | | | | | | | |
| 1988 | 0.30 | 0.16 | 0.12 | 0.02 | 0.18 | | | | | | | |
| 1989 | 0.02 | 0.02 | 0.09 | 0 | 0.02 | | | | | | | |
| 1990 | 0.14 | 0 | 0.14 | 0 | 0.02 | | | | | | | |
| 1991 | <0.02 | 0.02 | 0.11 | 16.00 | 0.02 | | | | | | | |

lokatie: **Westerschelde, Vlissingen**

code: WS160



bijlage 21

lokatie: **Westerschelde, Hoofdplaat**

code: WS140

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.8 | 7.8 | | | | | | | | | | |
| 1987 | 7.8 | 7.8 | 7.8 | 8.3 | 8.3 | 8.0 | 7.9 | 7.8 | 7.8 | | | |
| 1988 | 7.8 | 1.8 | 7.8 | 8.0 | 8.0 | 7.7 | 8.5 | 8.1 | 8.0 | 8.1 | | |
| 1989 | 8.0 | 8.0 | 7.8 | 8.5 | 8.5 | 8.7 | 8.1 | 8.1 | 8.1 | 8.0 | 8.2 | 8.2 |
| 1990 | 8.0 | 8.0 | 8.1 | 8.0 | 8.2 | 8.5 | 8.3 | 8.1 | 8.2 | 8.0 | 7.8 | 7.8 |
| | 7.9 | | | | | | | | | | | |
| 1991 | 9.1 | 8.3 | 7.8 | 8.0 | 8.3 | 8.2 | 8.2 | 8.0 | 8.1 | 8.1 | 8.0 | 8.0 |
| | 7.8 | 8.0 | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1988 | 22.80 | 19.05 | 26.05 | 22.10 | 23.50 | 26.30 | 23.40 | 25.30 | 28.15 | 28.15 | 27.75 | 28.20 |
| 1989 | 24.60 | 26.25 | 27.20 | 26.85 | 28.45 | 27.05 | 29.05 | 29.60 | 28.50 | 30.60 | 28.85 | 29.65 |
| 1990 | 29.20 | 29.18 | 27.38 | 26.57 | 28.31 | 27.90 | 30.94 | 29.82 | 31.51 | 31.67 | 30.25 | 30.46 |
| | 30.78 | | | | | | | | | | | |
| 1991 | 29.03 | 27.65 | 26.80 | 29.38 | 29.90 | 28.96 | 29.27 | 28.90 | 29.46 | 30.99 | 31.73 | 32.30 |
| | 30.87 | 29.90 | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1986 | 10.68 | 11.32 | 11.39 | 10.20 | 9.60 | 8.69 | 8.56 | 7.15 | 6.78 | 7.28 | 7.63 | 8.56 |
| | 9.04 | | | | | | | | | | | |
| 1987 | 7.10 | 9.22 | 8.66 | 8.43 | 13.71 | 9.61 | 7.85 | 6.98 | 7.85 | 7.72 | 7.85 | 9.29 |
| 1988 | 9.78 | 8.88 | 7.22 | 8.28 | 6.86 | 7.02 | 8.77 | 8.24 | 9.50 | | | |
| 1989 | 9.27 | 9.86 | 9.43 | 9.49 | 8.78 | 7.13 | 7.74 | 6.21 | 6.93 | 6.54 | 7.97 | 8.97 |
| 1990 | 9.24 | 10.07 | 9.06 | 8.96 | 9.42 | 10.00 | 9.19 | 7.95 | 8.28 | 6.75 | 7.52 | 7.71 |
| | 9.12 | | | | | | | | | | | |
| 1991 | 9.82 | 9.59 | 10.21 | 9.85 | 11.05 | 8.84 | 7.51 | 7.03 | 7.44 | 7.00 | 6.80 | 7.67 |
| | 8.22 | 8.65 | | | | | | | | | | |

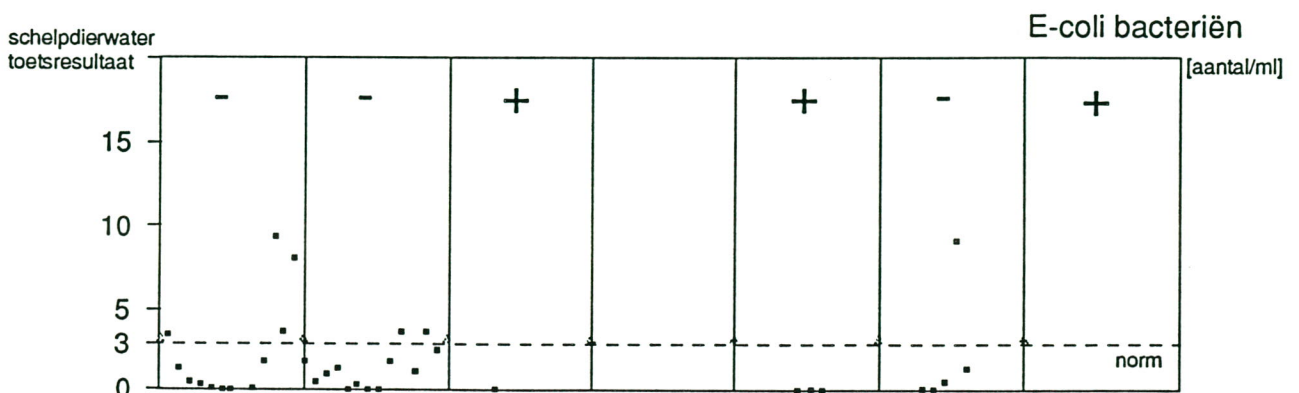
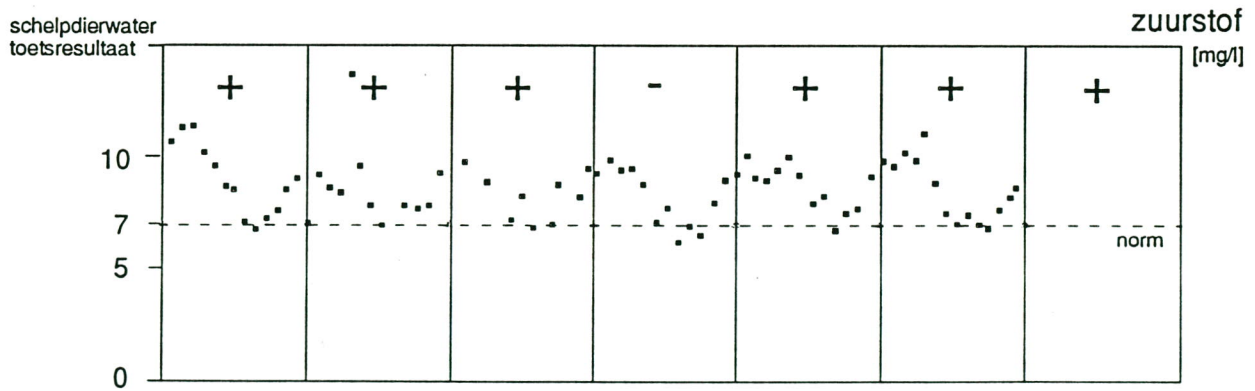
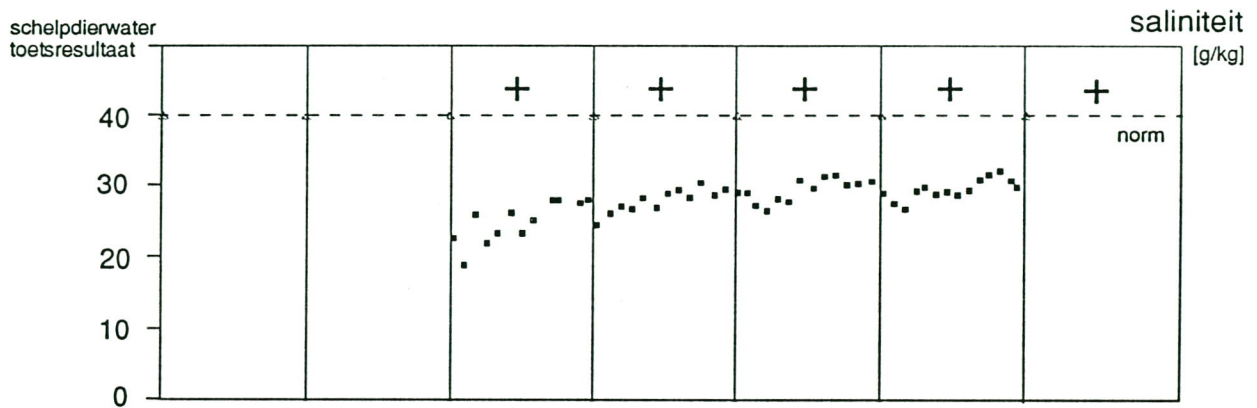
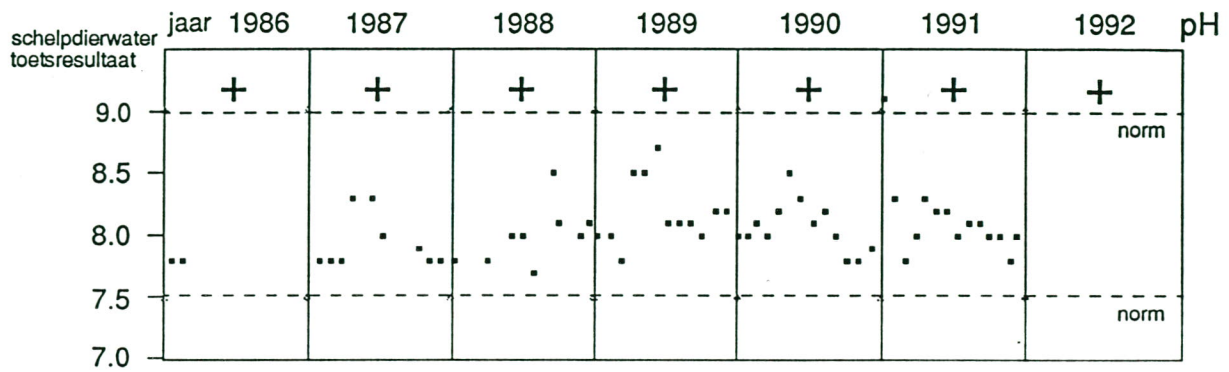
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|---|------|------|------|------|------|
| 1986 | 3.30 | 1.30 | 0.49 | 0.33 | 0.08 | 0.02 | 0 | 0.08 | 1.70 | 9.20 | 3.50 | 7.90 |
| 1987 | 1.70 | 0.49 | 0.94 | 1.30 | 0 | 0.33 | 0 | 0.02 | 1.70 | 3.50 | 1.10 | 3.50 |
| | 2.40 | | | | | | | | | | | |
| 1988 | 0.05 | | | | | | | | | | | |
| 1989 | | | | | | | | | | | | |
| 1990 | 0 | 0.04 | 0 | | | | | | | | | |
| 1991 | 0.07 | 0.04 | 0.50 | 9.00 | 1.30 | | | | | | | |

lokatie: **Westerschelde, Hoofdplaat**

code: WS140



bijlage 22

lokatie: **Westerschelde, Terneuzen**

code: WS130

meetresultaten (norm: 7.5 < pH < 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.8 | 7.8 | | | | | | | | | | |
| 1987 | 7.9 | 7.8 | 7.8 | 7.8 | 8.0 | 8.5 | 8.3 | 7.8 | 7.9 | 7.9 | 7.7 | 7.8 |
| 1988 | 7.7 | 7.8 | 7.8 | 8.0 | 8.0 | 7.7 | 8.4 | 8.0 | 7.9 | 8.0 | | |
| 1989 | 8.0 | 7.8 | 7.7 | 8.4 | 8.4 | 8.6 | 8.0 | 8.0 | 8.0 | 7.9 | 8.2 | 8.1 |
| 1990 | 7.9 | 8.0 | 8.0 | 7.9 | 8.2 | 8.6 | 8.2 | 8.0 | 8.1 | 8.0 | 7.8 | 7.8 |
| | 7.8 | | | | | | | | | | | |
| 1991 | 8.6 | 8.1 | 8.0 | 8.0 | 8.0 | 8.1 | 8.2 | 7.8 | 8.0 | 8.1 | 7.9 | 7.9 |
| | 7.7 | 7.8 | | | | | | | | | | |

meetresultaten (norm: < 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 23.33 | 15.45 | 23.68 | 20.76 | 20.48 | 22.28 | 24.66 | 26.47 | 27.04 | 27.93 | 27.78 | 27.21 |
| | 25.29 | | | | | | | | | | | |
| 1987 | 21.10 | 21.56 | 20.03 | 17.61 | 20.64 | 23.73 | 22.40 | 20.80 | 21.26 | 20.00 | | |
| 1988 | 16.25 | 14.80 | 18.65 | 15.30 | 19.60 | 22.40 | 23.10 | 21.70 | 25.35 | 24.60 | 24.05 | 23.55 |
| 1989 | 20.20 | 22.20 | 21.80 | 23.35 | 23.45 | 24.50 | 26.05 | 26.65 | 26.40 | 27.15 | 26.70 | 27.05 |
| 1990 | 25.43 | 25.30 | 22.87 | 23.16 | 25.16 | 25.72 | 27.40 | 27.36 | 28.64 | 28.70 | 27.64 | 27.38 |
| | 27.97 | | | | | | | | | | | |
| 1991 | 24.58 | 23.23 | 22.55 | 25.27 | 25.72 | 25.64 | 26.90 | 25.40 | 26.72 | 28.29 | 28.55 | 28.25 |
| | 25.60 | 25.40 | | | | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 1986 | 10.79 | 11.35 | 10.80 | 10.40 | 8.40 | 8.96 | 8.81 | 7.00 | 6.37 | 7.51 | 7.78 | 8.45 |
| | 8.85 | | | | | | | | | | | |
| 1987 | 10.10 | 9.16 | 7.89 | 8.25 | 11.92 | 10.24 | 8.12 | 6.98 | 7.71 | 5.87 | 7.74 | 9.21 |
| 1988 | 9.71 | 8.52 | 7.83 | 7.90 | 6.83 | 7.00 | 8.55 | 8.20 | 8.95 | | | |
| 1989 | 9.24 | 9.62 | 8.99 | 9.65 | 8.95 | 7.26 | 6.91 | 5.98 | 6.98 | 6.26 | 7.96 | 8.97 |
| 1990 | 8.75 | 10.18 | 8.90 | 8.83 | 9.26 | 10.55 | 7.79 | 7.69 | 7.39 | 6.72 | 7.67 | 7.94 |
| | 9.07 | | | | | | | | | | | |
| 1991 | 9.88 | 9.28 | 9.94 | 9.23 | 10.23 | 8.45 | 7.57 | 6.53 | 7.17 | 6.87 | 6.61 | 7.46 |
| | 8.09 | 7.96 | | | | | | | | | | |

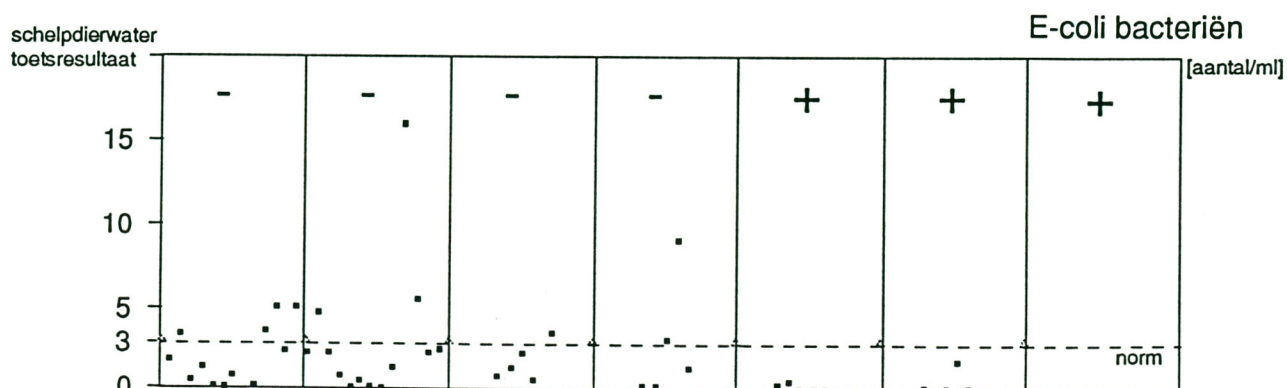
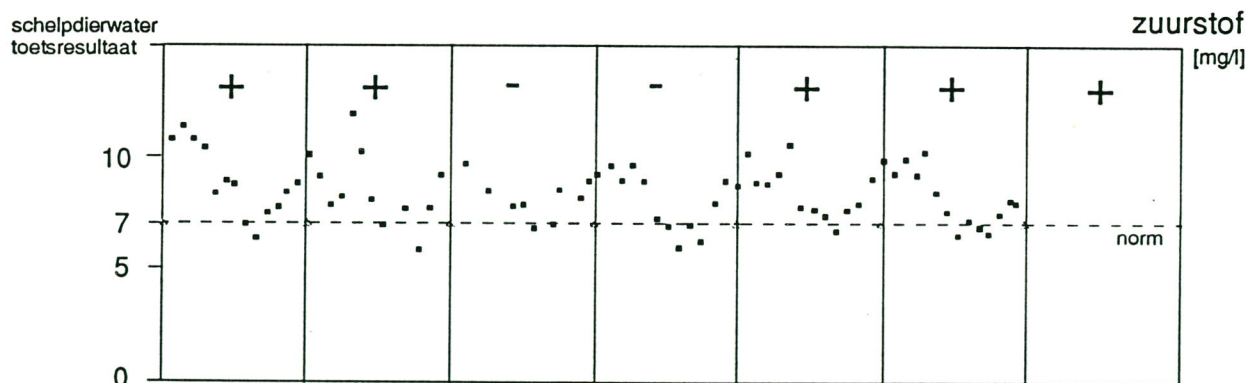
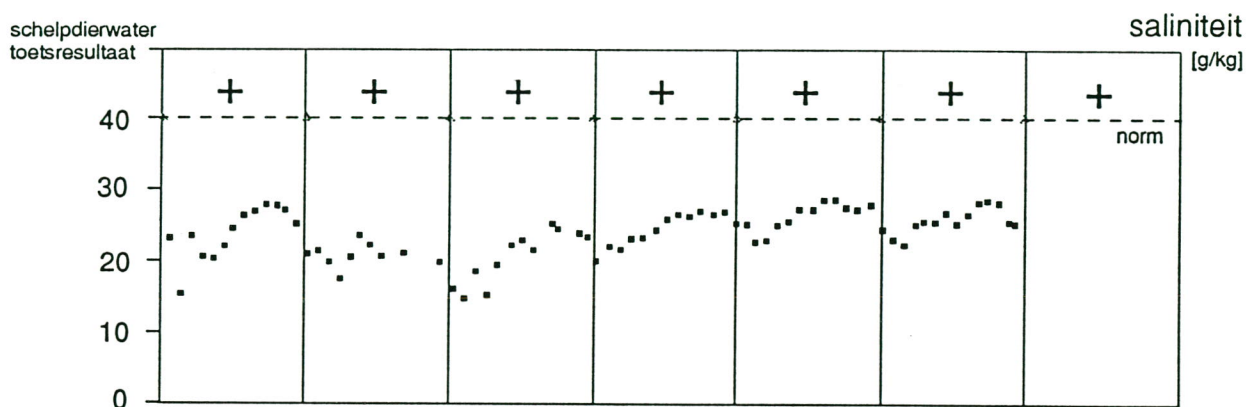
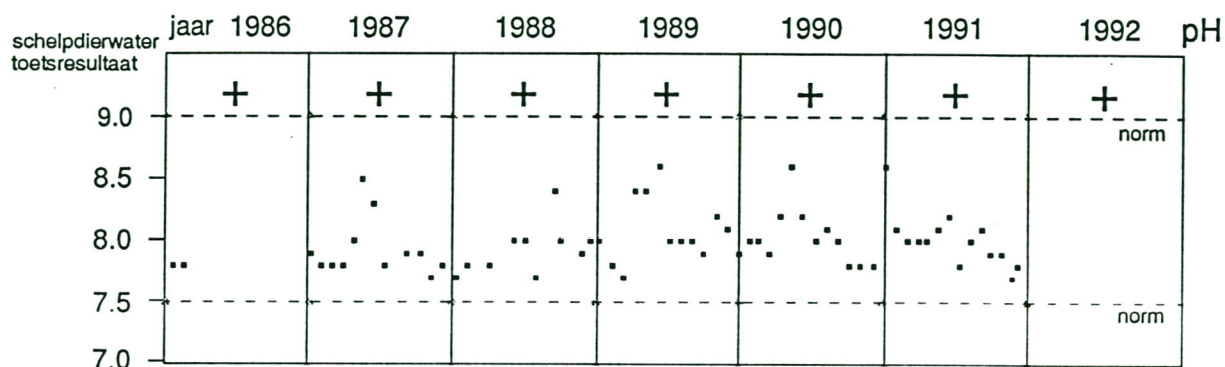
meetresultaten (norm: < 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| 1986 | 1.70 | 3.30 | 0.49 | 1.30 | 0.13 | 0.07 | 0.79 | 0.17 | 3.50 | 4.90 | 2.30 | 4.90 |
| 1987 | 2.20 | 4.60 | 2.20 | 0.79 | 0.11 | 0.49 | 0.14 | 0.04 | 1.30 | 16.00 | 5.40 | 2.20 |
| | 2.40 | | | | | | | | | | | |
| 1988 | 0.80 | 1.30 | 2.20 | 0.56 | 3.40 | | | | | | | |
| 1989 | 0.22 | 0.22 | 3.00 | 9.00 | 1.30 | | | | | | | |
| 1990 | 0.27 | 0.50 | 0 | 0.02 | 0.02 | | | | | | | |
| 1991 | 0.13 | 0.02 | 0.11 | 1.70 | 0.11 | | | | | | | |

lokatie: **Westerschelde, Terneuzen**

code: WS130



bijlage 23lokatie: **Westerschelde, Hansweert**

code: WS100

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.7 | 7.7 | | | | | | | | | | |
| 1987 | 7.8 | 7.7 | 7.7 | 7.7 | 7.6 | 8.6 | 8.1 | 7.7 | 7.9 | 7.8 | 7.6 | 7.6 |
| 1988 | 7.6 | 7.7 | 7.8 | 7.7 | 7.8 | 7.9 | 7.5 | 8.3 | 8.0 | 7.7 | 7.9 | |
| 1989 | 7.8 | 7.7 | 7.3 | 8.2 | 8.1 | 8.5 | 7.8 | 7.8 | 7.9 | 7.8 | 8.2 | 8.1 |
| 1990 | 7.6 | 7.9 | 7.8 | 7.9 | 8.1 | 8.4 | 8.0 | 7.9 | 7.9 | 7.9 | 7.7 | 7.7 |
| | 7.7 | | | | | | | | | | | |
| 1991 | 8.1 | 7.9 | 7.8 | 8.2 | 7.7 | 7.8 | 8.4 | 7.8 | 8.2 | 8.1 | 7.8 | 7.7 |
| | 7.7 | 7.8 | 8.1 | 7.9 | 7.9 | 8.0 | 7.6 | 7.8 | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 14.59 | 22.28 | 16.53 | 13.07 | 13.99 | 16.12 | 18.02 | 20.70 | 22.34 | 23.71 | 24.52 | 21.03 |
| | 18.21 | | | | | | | | | | | |
| 1987 | 12.15 | 15.37 | 12.59 | 8.05 | 13.75 | 16.71 | 15.55 | 14.78 | 14.05 | 10.65 | | |
| 1988 | 10.00 | 6.15 | 10.95 | 7.55 | 12.65 | 15.80 | 15.05 | 15.20 | 19.95 | 19.50 | 18.15 | 17.70 |
| 1989 | 13.80 | 15.90 | 14.20 | 14.55 | 17.30 | 19.75 | 19.80 | 21.25 | 20.80 | 22.15 | 21.35 | 21.65 |
| 1990 | 18.49 | 17.87 | 15.15 | 15.55 | 18.80 | 19.40 | 21.23 | 20.99 | 24.54 | 23.10 | 22.78 | 21.95 |
| | 21.69 | | | | | | | | | | | |
| 1991 | 15.82 | 15.24 | 14.86 | 19.07 | 19.34 | 19.78 | 22.35 | 18.28 | 25.60 | 20.95 | 20.72 | 18.19 |
| | 19.36 | 20.00 | 22.90 | 22.17 | 25.30 | 25.35 | 19.73 | 21.39 | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|------|-------|------|-------|-------|------|------|------|------|------|
| 1986 | 11.86 | 11.34 | 9.29 | 9.20 | 6.60 | 8.68 | 10.97 | 6.45 | 5.96 | 7.20 | 8.00 | 8.15 |
| | 7.69 | | | | | | | | | | | |
| 1987 | 7.81 | 10.62 | 8.73 | 9.10 | 5.25 | 11.80 | 8.14 | 6.60 | 7.45 | 8.39 | 6.84 | 7.63 |
| 1988 | 9.58 | 10.20 | 7.62 | 7.80 | 8.24 | 5.80 | 6.91 | 8.17 | 7.18 | 8.64 | | |
| 1989 | 8.38 | 8.63 | 7.66 | 10.08 | 8.42 | 7.55 | 6.49 | 5.94 | 6.96 | 6.41 | 8.17 | 8.71 |
| 1990 | 7.22 | 10.38 | 8.12 | 7.94 | 9.15 | 10.07 | 7.37 | 7.11 | 6.55 | 6.55 | 7.65 | 7.86 |
| | 8.87 | | | | | | | | | | | |
| 1991 | 9.81 | 8.33 | 8.61 | 7.35 | 8.73 | 9.32 | 9.38 | 8.33 | 8.81 | 8.21 | 7.54 | 5.89 |
| | 6.57 | 8.74 | 6.63 | 6.86 | 7.58 | 7.86 | 7.12 | | | | | |

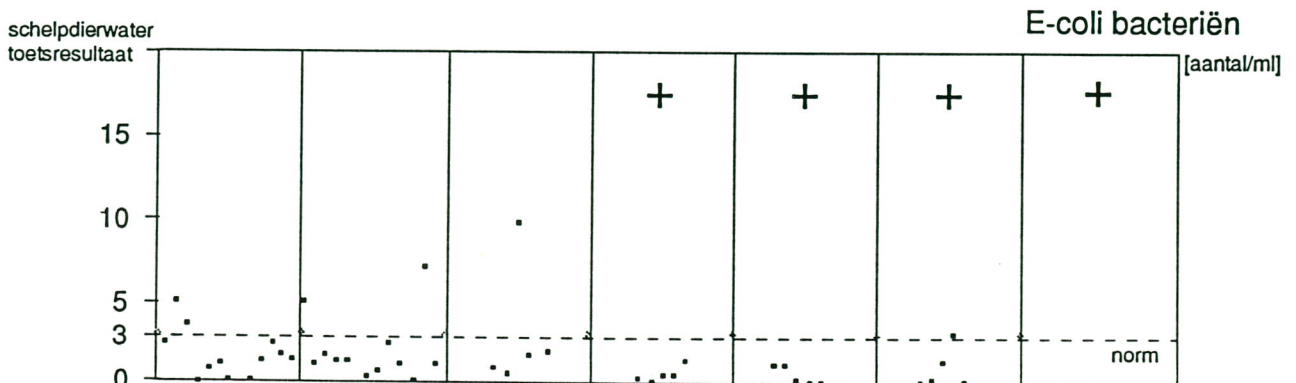
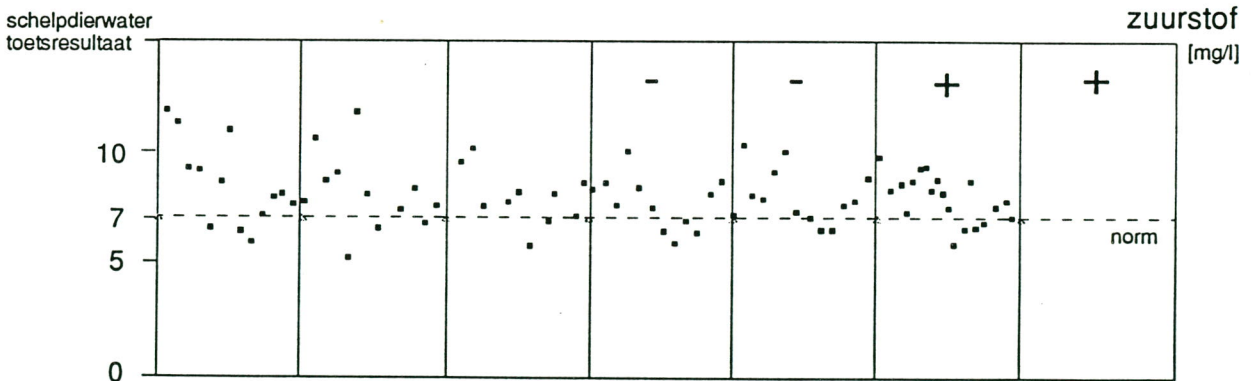
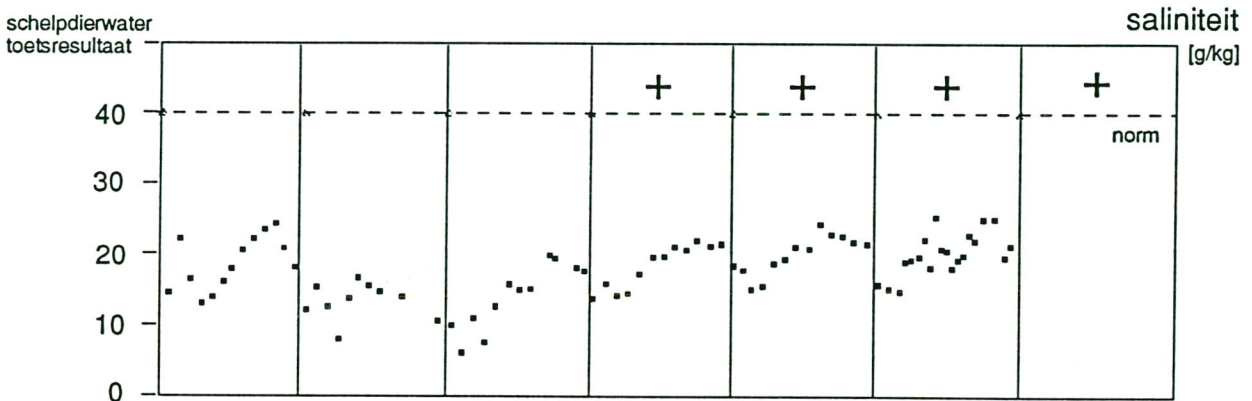
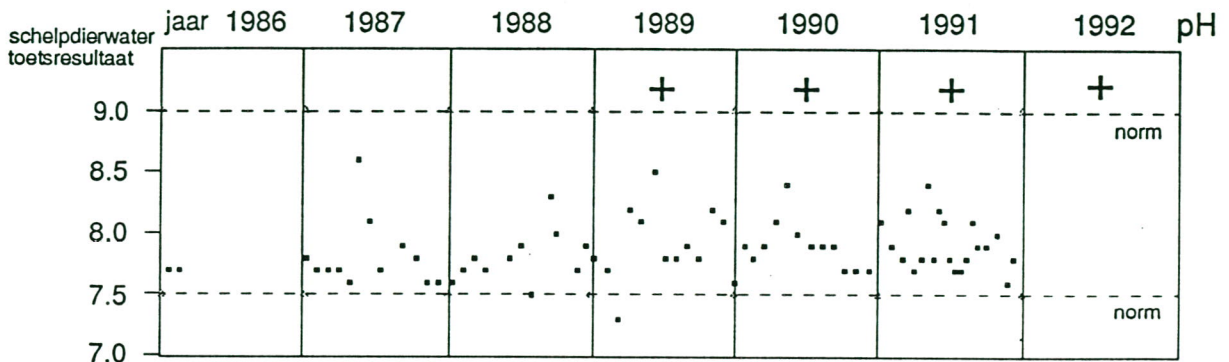
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1986 | 2.40 | 4.90 | 3.50 | 0 | 0.79 | 1.10 | 0.13 | 0.13 | 1.30 | 2.40 | 1.70 | 1.40 |
| 1987 | 4.90 | 1.10 | 1.70 | 1.30 | 1.30 | 0.33 | 0.70 | 2.40 | 1.10 | 0.13 | 7.00 | 1.10 |
| 1988 | 0.90 | 0.56 | 9.70 | 1.70 | 1.90 | | | | | | | |
| 1989 | 0.30 | 0.13 | 0.50 | 0.50 | 1.40 | | | | | | | |
| 1990 | 1.10 | 1.10 | 0.22 | 0.08 | 0.07 | | | | | | | |
| 1991 | 0.08 | 0.23 | 1.30 | 3.00 | 0.13 | | | | | | | |

lokatie: **Westerschelde, Hansweert**

code: WS100



bijlage 24

lokatie: **Waddenzee, Marsdiep**

code: WZ30

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.6 | 8.6 | 8.2 | 8.1 | 8.2 | 8.1 | 8.1 | 8.0 | | |
| 1987 | 8.0 | 8.0 | 8.1 | 8.5 | 8.5 | 8.2 | 8.1 | 8.1 | 8.1 | 7.9 | 7.9 | |
| 1988 | 7.9 | 8.0 | 8.0 | 8.3 | 8.0 | 8.0 | 8.1 | 8.3 | 8.0 | 8.0 | 7.9 | 7.9 |
| 1989 | 7.8 | 8.0 | 7.9 | 7.9 | 8.4 | 8.1 | 8.0 | 8.2 | 7.9 | 7.9 | 7.9 | 7.9 |
| 1990 | 7.9 | 8.3 | 8.3 | 8.2 | 8.3 | 8.1 | 8.1 | 8.0 | 8.0 | 8.0 | | |
| 1991 | 7.2 | 7.8 | 8.0 | 8.0 | 7.9 | 8.0 | 7.9 | 7.9 | 8.0 | 8.2 | 8.2 | 8.2 |
| | 8.2 | 8.0 | 7.9 | 7.9 | 7.9 | 7.9 | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 27.13 | 30.17 | 28.49 | 29.42 | 30.15 | 30.93 | 30.25 | 28.85 | 30.36 | | | |
| 1987 | 29.80 | 26.67 | 27.72 | 31.38 | 27.25 | 26.90 | 26.75 | 25.89 | 27.78 | 26.91 | 26.80 | |
| 1988 | 26.25 | 27.55 | 27.35 | 22.95 | 25.75 | 26.15 | 29.60 | 27.80 | 29.00 | 31.45 | 28.08 | 28.77 |
| 1989 | 25.61 | 28.21 | 29.02 | 26.31 | 28.20 | 29.65 | 29.55 | 26.45 | 30.11 | 29.25 | 28.60 | 29.88 |
| 1990 | 29.07 | 30.66 | 27.21 | 30.47 | 30.44 | 29.58 | 32.03 | 29.43 | 29.43 | 30.81 | | |
| 1991 | 22.41 | 30.49 | 28.90 | 30.76 | 30.52 | 31.35 | 30.86 | 32.42 | 30.69 | 27.83 | 28.81 | 29.90 |
| | 29.66 | 30.30 | 28.56 | 30.48 | 27.12 | 31.32 | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|------|------|-------|------|-------|
| 1986 | 10.60 | 10.00 | 12.20 | 10.30 | 7.40 | 7.60 | 7.40 | 9.20 | | | | |
| 1987 | 9.50 | 5.10 | 7.60 | 7.60 | 8.40 | 8.60 | 9.40 | | | | | |
| 1988 | 10.50 | 10.90 | 10.50 | 10.80 | 8.00 | 7.20 | 8.50 | 9.80 | 7.80 | 8.10 | 9.10 | 10.00 |
| 1989 | 9.80 | 10.10 | 9.70 | 7.70 | 8.00 | 6.80 | 8.19 | 7.41 | 8.17 | 8.91 | 9.68 | |
| 1990 | 9.83 | 10.79 | 9.60 | 6.60 | 10.40 | 7.22 | 8.21 | 8.20 | 8.82 | | | |
| 1991 | 9.57 | 10.60 | 10.48 | 10.12 | 9.99 | 8.95 | 7.90 | 7.17 | 7.50 | 10.13 | 7.83 | 8.07 |
| | 7.71 | 7.48 | 6.91 | 7.59 | 9.52 | 9.68 | | | | | | |

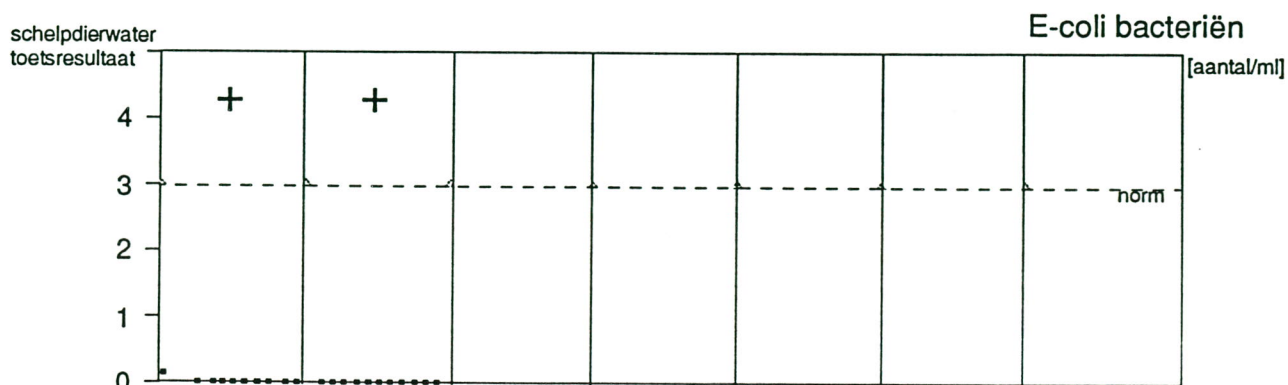
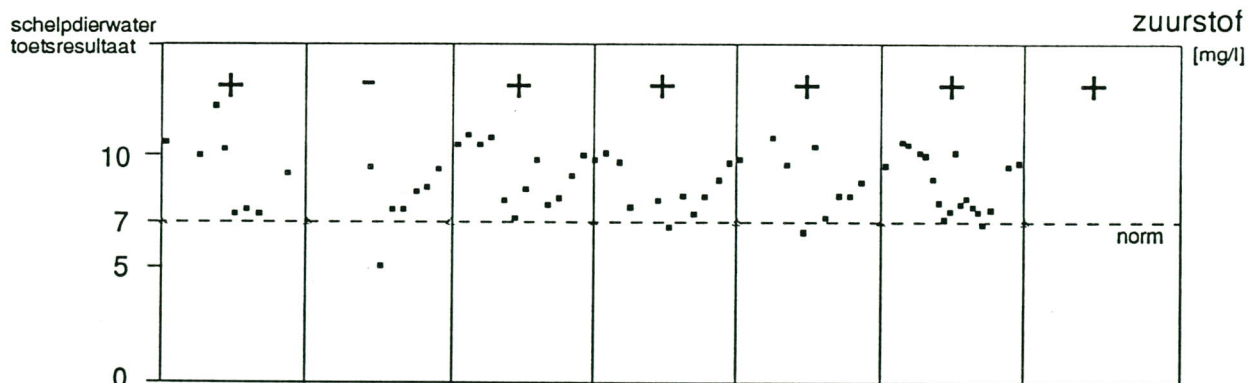
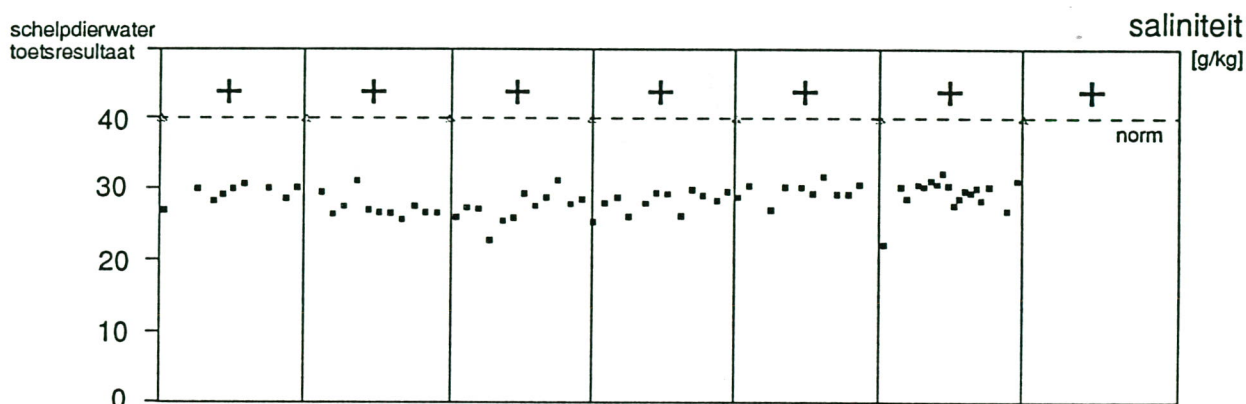
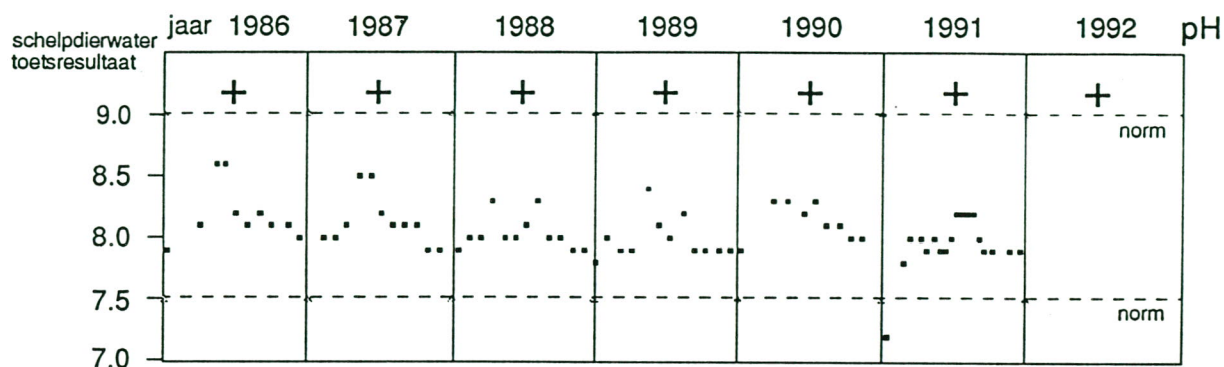
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0.14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

lokatie: **Waddenzee, Marsdiep**

code: WZ30



bijlage 25lokatie: **Waddenzee, Doove Balg**

code: WZ110

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.0 | 8.1 | 8.7 | 8.5 | 8.1 | 8.1 | 8.0 | 8.0 | 8.0 | 8.0 | | |
| 1987 | 8.0 | 7.9 | 8.1 | 8.8 | 8.4 | 8.8 | 8.0 | 8.0 | 8.0 | 7.8 | 7.9 | |
| 1988 | 8.0 | 8.0 | 8.0 | 8.3 | 8.1 | 8.3 | 8.0 | 8.1 | 7.9 | 8.0 | 7.9 | 7.9 |
| 1989 | 7.8 | 8.0 | 8.0 | 7.9 | 8.4 | 8.2 | 8.0 | 8.3 | 7.9 | 7.9 | 7.9 | 7.9 |
| 1990 | 7.9 | 8.3 | 8.4 | 8.2 | 8.3 | 8.2 | 8.2 | 8.0 | 8.1 | 7.9 | | |
| 1991 | 7.7 | 7.9 | 8.0 | 8.2 | 8.3 | 7.9 | 8.2 | 8.3 | 8.0 | 8.0 | 7.9 | 7.8 |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 22.37 | 26.84 | 23.90 | 22.79 | 28.82 | 28.09 | 27.13 | 26.38 | 29.52 | | | |
| 1987 | 24.57 | 21.86 | 23.67 | 25.28 | 16.50 | 20.26 | 20.41 | 21.27 | 21.73 | 22.17 | 18.71 | |
| 1988 | 18.45 | 21.40 | 23.25 | 14.85 | 23.45 | 24.45 | 25.55 | 22.25 | 25.00 | 26.80 | 22.30 | 25.54 |
| 1989 | 20.33 | 21.77 | 23.71 | 25.95 | 25.45 | 29.35 | 27.90 | 27.48 | 26.82 | 29.35 | 26.95 | 29.25 |
| 1990 | 23.17 | 28.93 | 26.48 | 24.69 | 28.86 | 29.48 | 29.23 | 32.42 | 28.21 | 28.21 | 24.67 | 20.55 |
| 1991 | 22.55 | 27.09 | 23.85 | 31.44 | 31.58 | 31.12 | 22.83 | 26.69 | 30.69 | 11.53 | 20.20 | 24.87 |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|-------|------|------|-------|-------|-------|
| 1986 | 11.30 | 10.80 | 9.70 | 11.70 | 6.20 | 7.30 | 8.00 | 9.20 | | | | |
| 1987 | 8.20 | 8.29 | 7.80 | 7.40 | 8.90 | 8.79 | 10.20 | | | | | |
| 1988 | 11.30 | 10.40 | 10.60 | 8.70 | 8.60 | 8.60 | 8.50 | 7.30 | 8.00 | 9.50 | 10.00 | |
| 1989 | 10.40 | 10.70 | 9.90 | 9.10 | 8.20 | 8.00 | 8.72 | 5.70 | 8.32 | 9.45 | 9.96 | |
| 1990 | 10.68 | 11.66 | 11.60 | 8.00 | 10.50 | 7.50 | 9.11 | 8.82 | 9.73 | 11.20 | | |
| 1991 | 10.66 | 11.01 | 11.31 | 10.12 | 9.94 | 7.00 | 10.94 | 7.10 | 7.35 | 9.25 | 10.43 | 10.31 |

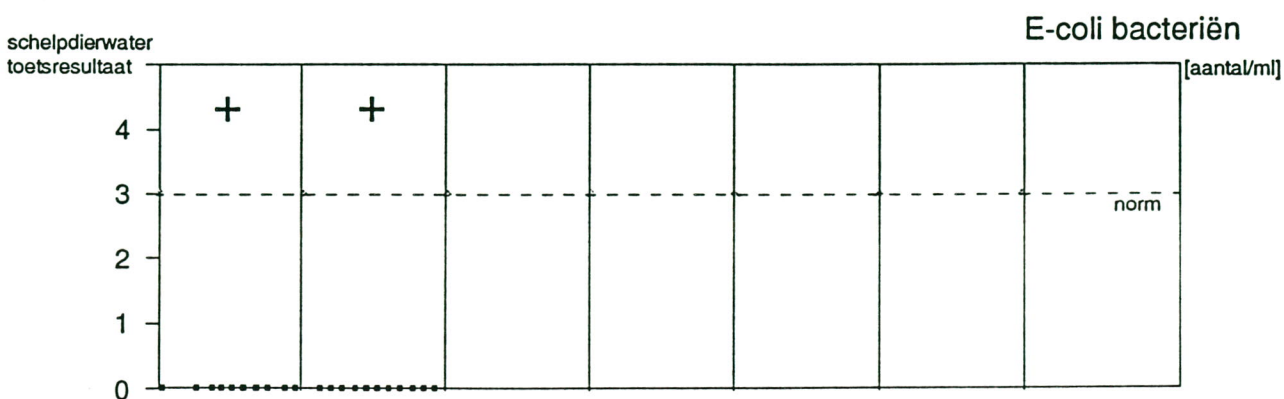
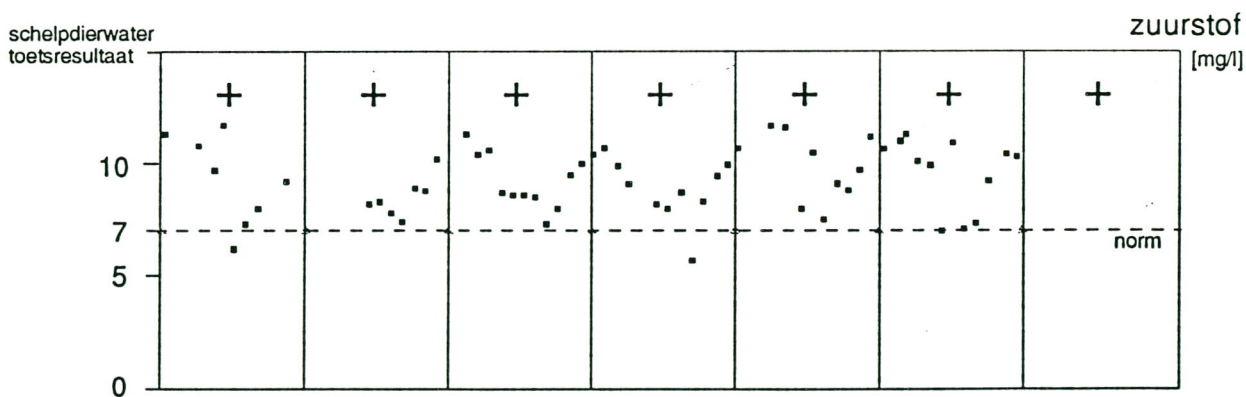
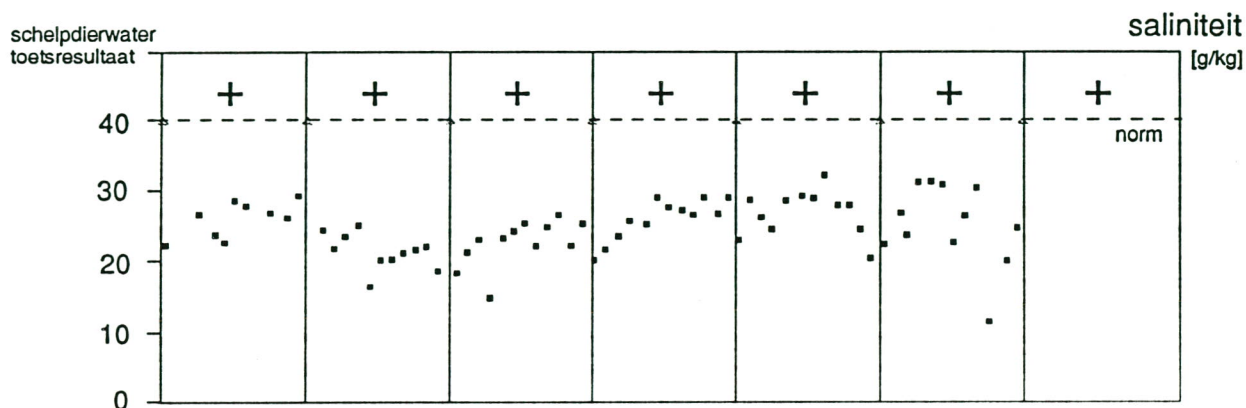
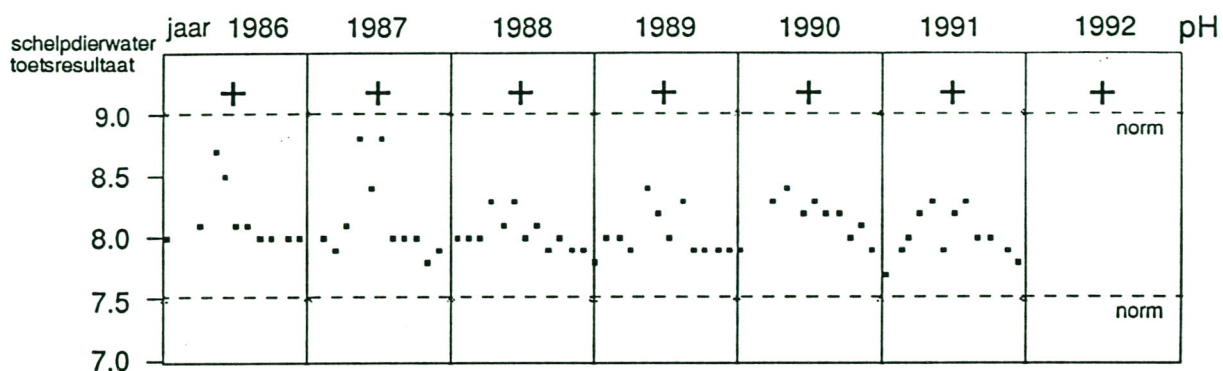
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

lokatie: **Waddenzee, Doove Balg**

code: WZ110



bijlage 26lokatie: **Waddenzee, Kornwerderzand**

code: WZ200

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.1 | 8.2 | 8.7 | 8.5 | 8.1 | 8.2 | 8.0 | 8.2 | 8.2 | 8.0 | | |
| 1987 | 8.0 | 8.0 | 8.1 | 8.7 | 8.4 | 8.8 | 8.4 | 8.2 | 8.1 | 7.9 | 8.1 | |
| 1988 | 8.3 | 8.3 | 8.4 | 8.7 | 8.1 | 8.4 | 8.3 | 8.0 | 8.0 | 7.9 | 7.9 | |
| 1989 | 7.9 | 8.0 | 8.4 | 7.8 | 8.4 | 8.1 | 8.3 | 8.3 | 7.8 | 7.8 | 7.9 | 7.9 |
| 1990 | 7.9 | 8.3 | 8.3 | 8.2 | 8.4 | 8.3 | 8.2 | 8.0 | 8.3 | 7.8 | | |
| 1991 | 7.2 | 8.0 | 8.0 | 8.2 | 8.0 | 7.9 | 8.0 | 8.3 | 7.9 | 7.9 | 8.0 | 7.9 |

meetresultaten (norm: 7.5 « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 6.30 | 10.36 | 13.33 | 21.40 | 28.58 | 23.85 | 19.49 | 8.46 | 14.21 | | | |
| 1987 | 20.41 | 17.67 | 20.79 | 23.15 | 26.64 | 13.44 | 5.56 | 11.34 | 15.20 | 16.24 | 7.70 | |
| 1988 | 3.75 | 3.60 | 8.10 | 4.45 | 20.05 | 17.70 | 22.30 | 23.15 | 20.50 | 23.55 | 21.24 | 22.22 |
| 1989 | 8.25 | 17.92 | 8.66 | 26.81 | 21.40 | 26.00 | 31.10 | 29.84 | 28.49 | 28.40 | 19.85 | 26.66 |
| 1990 | 19.15 | 10.98 | 19.54 | 22.39 | 29.53 | 32.66 | 29.79 | 32.50 | 24.99 | 24.99 | 16.05 | 9.74 |
| 1991 | 5.65 | 14.95 | 17.77 | 28.35 | 31.79 | 30.11 | 18.94 | 24.07 | 29.94 | 21.65 | 4.97 | 11.81 |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| 1986 | 12.90 | 11.30 | 8.90 | 9.40 | 6.30 | 7.30 | 7.90 | 11.20 | 8.20 | | | |
| 1987 | 8.20 | 10.20 | 9.00 | 8.10 | 10.10 | 9.20 | 11.50 | | | | | |
| 1988 | 12.70 | 13.10 | 12.50 | 11.20 | 9.20 | 9.90 | 8.80 | 9.90 | 8.60 | 8.10 | 9.20 | 10.70 |
| 1989 | 11.50 | 11.20 | 11.70 | 9.10 | 8.90 | 8.89 | 6.84 | 8.73 | 9.83 | 10.17 | | |
| 1990 | 11.05 | 11.08 | 10.20 | 10.40 | 11.20 | 8.09 | 10.21 | 9.78 | 10.42 | 12.00 | | |
| 1991 | 11.49 | 12.40 | 12.09 | 10.28 | 9.54 | 7.94 | 10.14 | 5.97 | 7.68 | 7.99 | 11.92 | 11.99 |

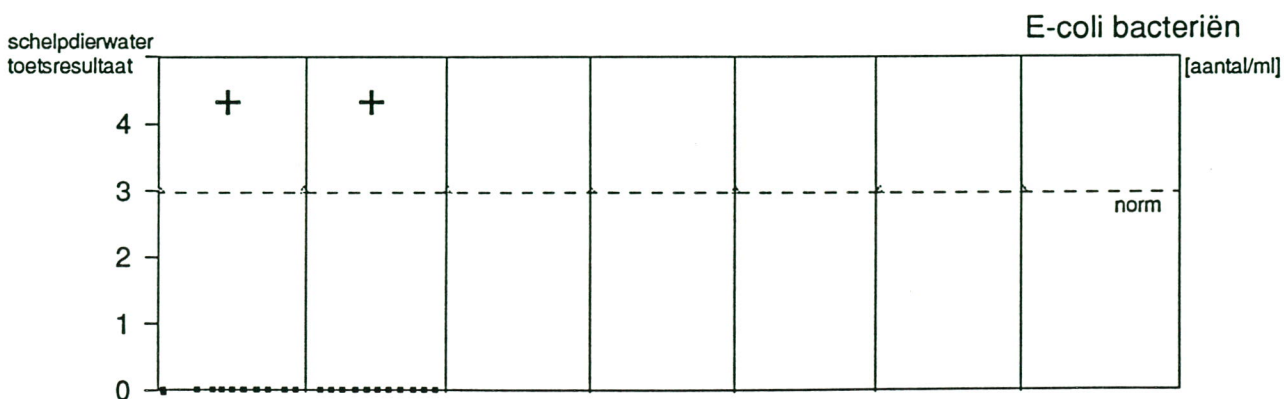
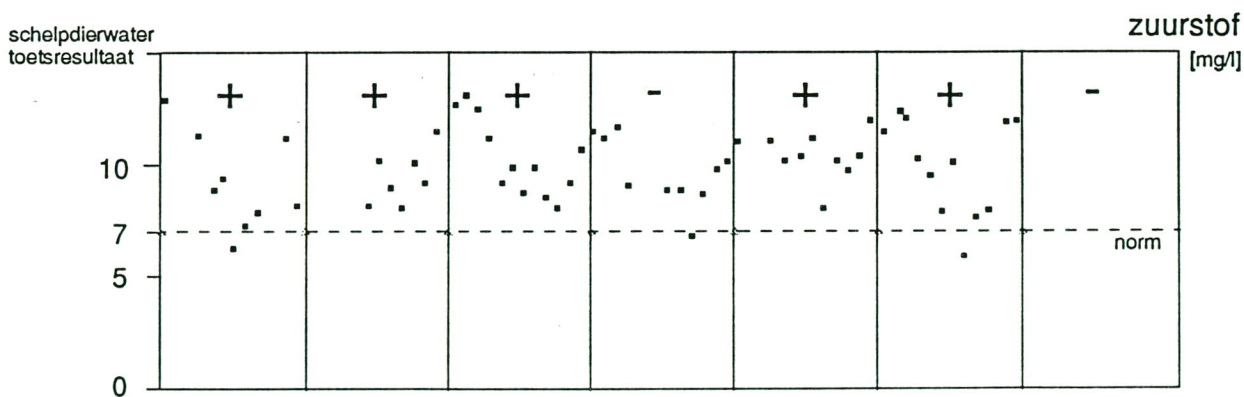
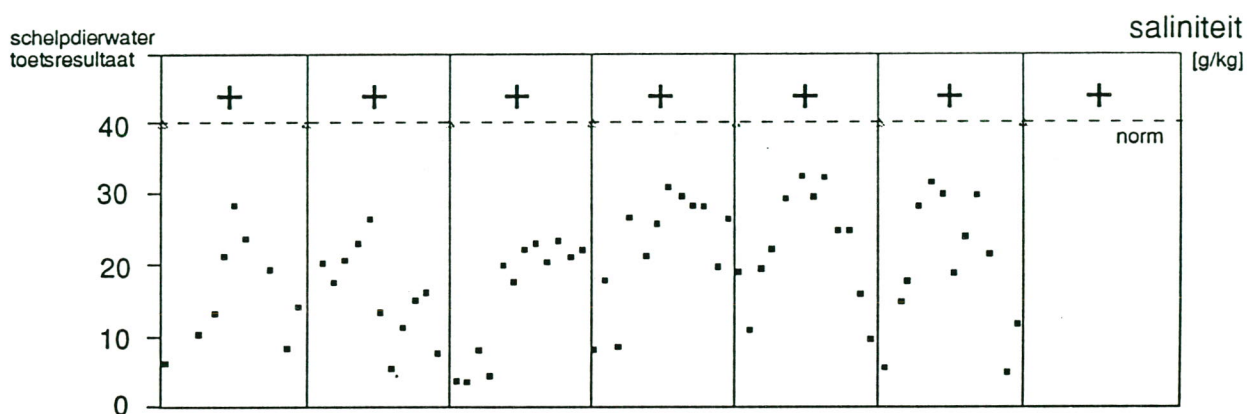
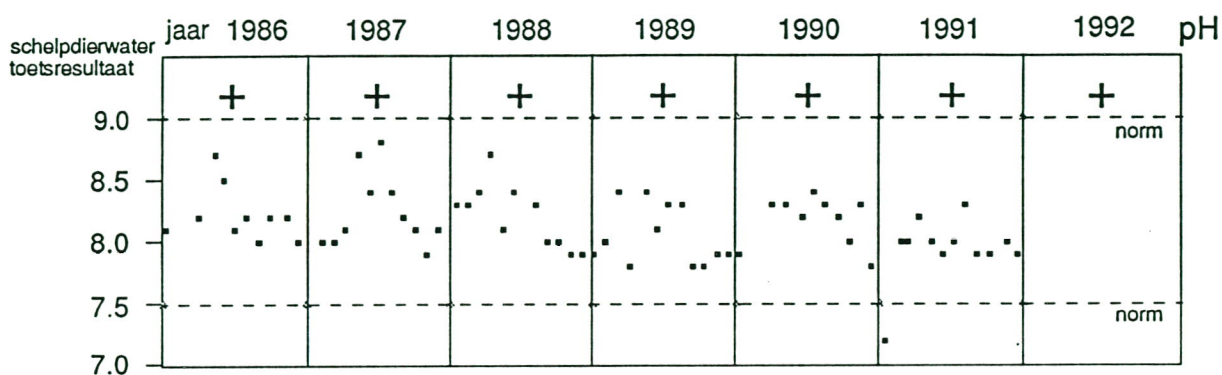
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

lokatie: **Waddenzee, Kornwerderzand**

code: WZ200



bijlage 27lokatie: **Waddenzee, Harlingen**

code: WZ310

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 7.9 | 8.7 | 7.9 | 7.9 | 7.9 | 8.0 | 8.0 | 7.9 | | | |
| 1987 | 8.0 | 7.9 | 7.9 | 8.0 | 8.5 | 8.4 | 8.7 | 8.1 | 7.8 | 7.9 | 7.7 | 7.8 |
| 1988 | 8.0 | 8.1 | 8.1 | 8.0 | 7.8 | 7.6 | 7.8 | 7.9 | 7.6 | 7.9 | 7.9 | 7.8 |
| 1989 | 7.8 | 8.0 | 7.8 | 7.9 | 7.9 | 8.0 | 7.7 | 8.1 | 7.7 | 7.6 | 7.9 | 7.7 |
| 1990 | 7.9 | 8.0 | 8.0 | 8.0 | 8.0 | 8.1 | 8.2 | 8.1 | 8.0 | 8.0 | 7.8 | |
| 1991 | 7.5 | 7.9 | 8.0 | 8.2 | 7.7 | 7.8 | 7.7 | 8.0 | 7.7 | 7.7 | 7.8 | 7.8 |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 17.90 | 25.74 | 13.61 | 30.34 | 24.74 | 23.23 | 18.03 | 19.64 | | | | |
| 1987 | 15.55 | 15.93 | 25.48 | 20.45 | 22.54 | 26.72 | 18.91 | 17.35 | 17.77 | 21.06 | 20.98 | 18.41 |
| 1988 | 12.95 | 11.70 | 16.55 | 18.20 | 28.95 | 28.95 | 20.40 | 22.70 | 20.50 | 17.65 | 21.36 | 24.50 |
| 1989 | 11.39 | 18.42 | 24.30 | 24.06 | 23.65 | 29.14 | 31.00 | 27.40 | 30.41 | 30.36 | 28.76 | 29.89 |
| 1990 | 19.38 | 18.83 | 17.92 | 24.47 | 30.52 | 27.96 | 28.95 | 32.39 | 28.56 | 28.56 | 23.78 | 24.22 |
| 1991 | 21.34 | 22.31 | 22.26 | 27.35 | 31.65 | 30.23 | 20.94 | 25.18 | 31.02 | 22.74 | 21.02 | 14.57 |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|
| 1986 | 12.00 | 9.79 | 8.20 | 6.30 | 7.80 | 7.60 | 7.30 | 9.79 | 9.79 | | | |
| 1987 | 10.50 | 11.40 | 7.80 | 9.79 | 7.60 | 9.10 | 7.70 | 7.10 | 8.60 | 8.50 | 10.29 | |
| 1988 | 11.30 | 12.00 | 11.00 | 9.50 | 7.30 | 7.00 | 8.00 | 7.30 | 5.90 | 8.20 | 9.70 | 10.30 |
| 1989 | 11.20 | 10.70 | 9.40 | 9.80 | 7.64 | 5.60 | 7.12 | 6.38 | 7.72 | 8.38 | 9.33 | |
| 1990 | 11.07 | 10.29 | 8.45 | 5.50 | 9.30 | 8.30 | 8.00 | 8.40 | 8.61 | 9.11 | 11.10 | |
| 1991 | 10.16 | 10.78 | 11.87 | 10.59 | 7.92 | 6.97 | 6.17 | 4.61 | 5.76 | 6.49 | 10.63 | 11.49 |

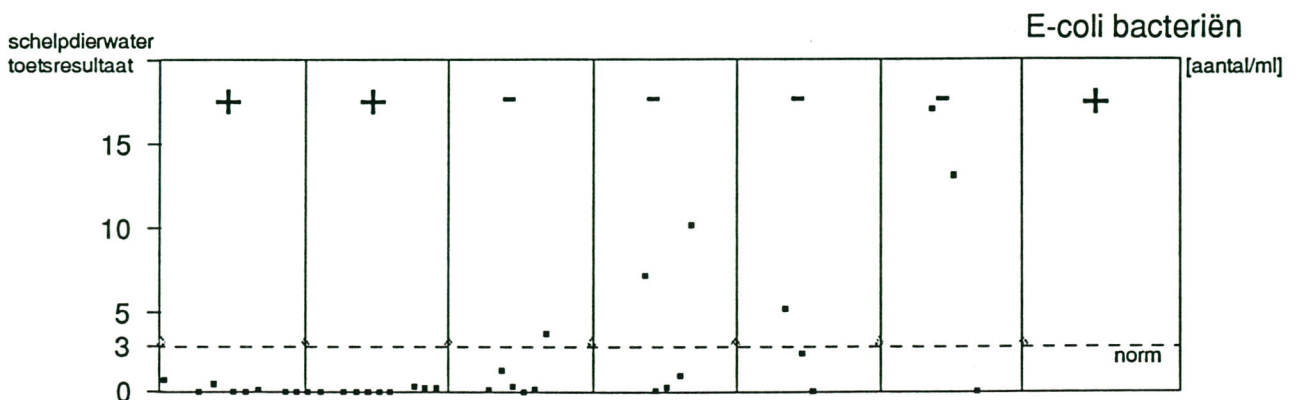
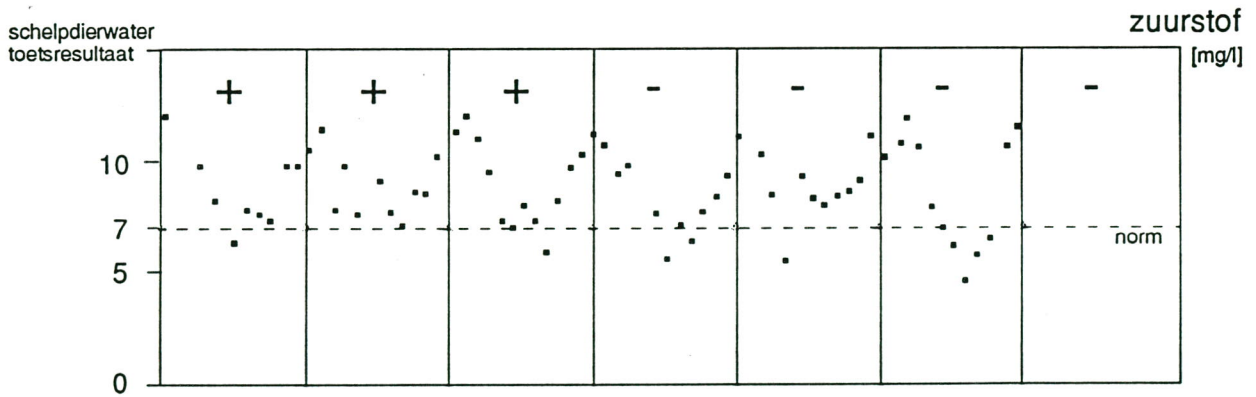
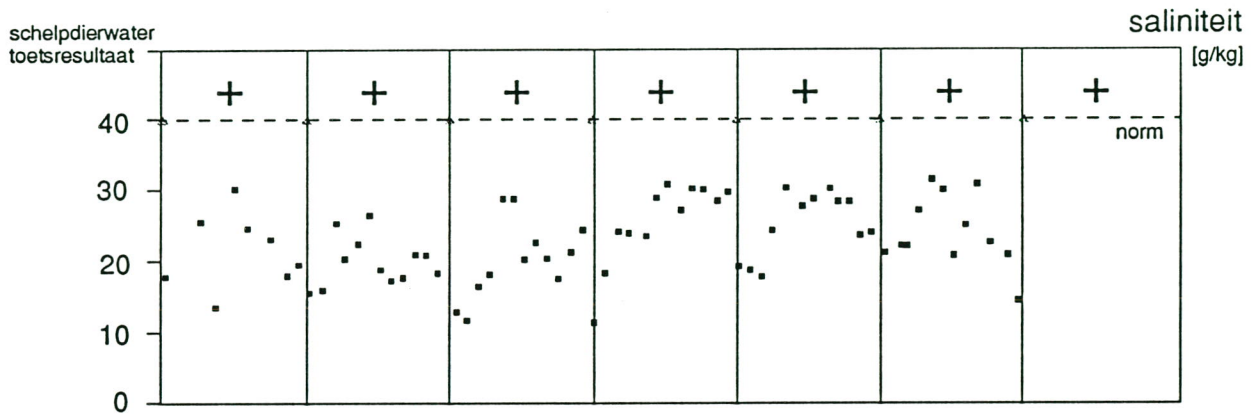
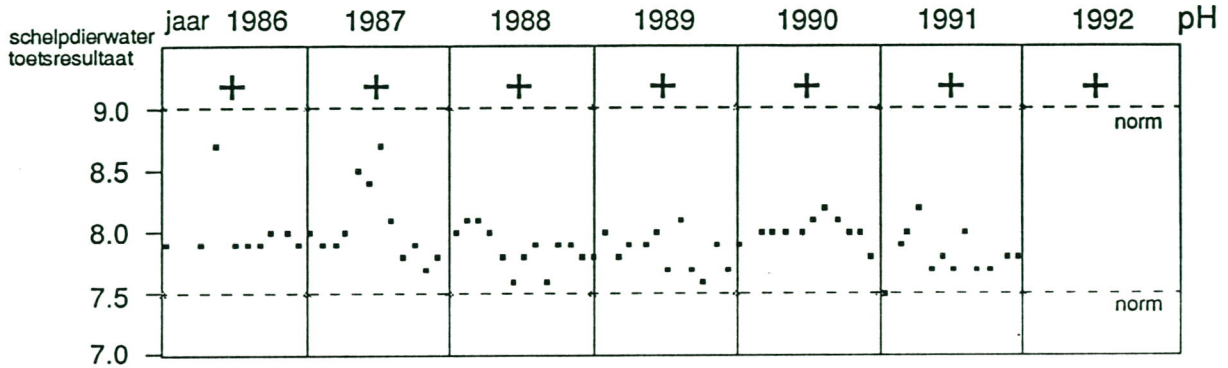
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|-------|-------|-------|------|-------|------|---|------|------|------|--|--|
| 1986 | 0.72 | 0 | 0.46 | 0 | 0 | 0.12 | 0 | 0 | | | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.33 | 0.23 | 0.25 | | |
| 1988 | 0.13 | 1.30 | 0.33 | 0 | 0.17 | 3.50 | | | | | | |
| 1989 | 7.00 | 0.11 | 0.30 | 1.00 | 10.00 | | | | | | | |
| 1990 | 5.00 | 2.30 | 0.04 | | | | | | | | | |
| 1991 | 17.00 | 13.00 | 80.00 | 0.04 | | | | | | | | |

lokatie: **Waddenzee, Harlingen**

code: WZ310



bijlage 28lokatie: **Waddenzee, Blauwe Slenk**

code: WZ230

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 8.0 | 9.0 | 8.1 | 8.1 | 8.0 | 8.1 | 8.0 | 7.9 | | | | |
| 1987 | 8.0 | 7.9 | 7.9 | 8.1 | 8.7 | 8.4 | 8.6 | 8.0 | 8.0 | 8.0 | 7.8 | 7.9 |
| 1988 | 8.0 | 8.1 | 8.0 | 8.2 | 8.0 | 7.9 | 7.8 | 8.5 | 7.9 | 8.0 | 7.9 | 7.9 |
| 1989 | 7.8 | 8.0 | 7.9 | 8.0 | 8.2 | 8.2 | 8.1 | 8.3 | 7.9 | 7.8 | 8.0 | 7.9 |
| 1990 | 7.9 | 8.0 | 8.3 | 8.2 | 8.1 | 8.2 | 8.3 | 8.2 | 8.0 | 8.1 | 7.8 | |
| 1991 | 7.5 | 7.9 | 8.1 | 8.3 | 7.9 | 7.9 | 8.0 | 8.3 | 7.9 | 7.9 | 7.8 | 7.8 |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 20.97 | 27.31 | 18.99 | 32.24 | 27.79 | 28.44 | 21.40 | 23.37 | | | | |
| 1987 | 15.51 | 22.50 | 29.29 | 23.03 | 29.73 | 28.79 | 23.18 | 23.67 | 24.69 | 23.73 | 27.11 | 22.13 |
| 1988 | 16.55 | 15.95 | 19.10 | 18.50 | 27.85 | 27.30 | 24.70 | 27.10 | 24.50 | 21.65 | 24.49 | 27.04 |
| 1989 | 16.29 | 21.91 | 24.98 | 27.43 | 25.15 | 31.70 | 32.50 | 28.62 | 32.16 | 31.85 | 28.70 | 31.63 |
| 1990 | 22.27 | 24.82 | 23.85 | 28.04 | 32.12 | 31.71 | 32.29 | 33.44 | 30.03 | 30.03 | 24.97 | 27.92 |
| 1991 | 21.62 | 23.83 | 24.40 | 28.52 | 32.87 | 31.10 | 21.72 | 27.85 | 32.37 | 25.32 | 23.82 | 24.31 |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|-------|-------|------|-------|-------|
| 1986 | 11.90 | 10.20 | 9.10 | 7.80 | 7.20 | 8.20 | 8.40 | 9.90 | 10.00 | | | |
| 1987 | 10.60 | 9.00 | 9.10 | 9.40 | 8.60 | 8.79 | 8.90 | 7.40 | 7.60 | 9.00 | 8.60 | 10.40 |
| 1988 | 11.30 | 11.70 | 10.70 | 10.40 | 8.00 | 8.30 | 8.30 | 10.70 | 8.00 | 8.10 | 9.90 | 10.40 |
| 1989 | 11.00 | 10.90 | 9.80 | 10.00 | 7.91 | 7.30 | 8.30 | 7.26 | 8.23 | 9.02 | 9.38 | |
| 1990 | 10.88 | 10.20 | 9.85 | 7.00 | 8.70 | 9.00 | 7.67 | 8.85 | 9.00 | 9.70 | 10.60 | |
| 1991 | 10.49 | 10.78 | 12.44 | 10.65 | 8.45 | 8.41 | 7.22 | 6.88 | 7.21 | 8.02 | 10.41 | 10.69 |

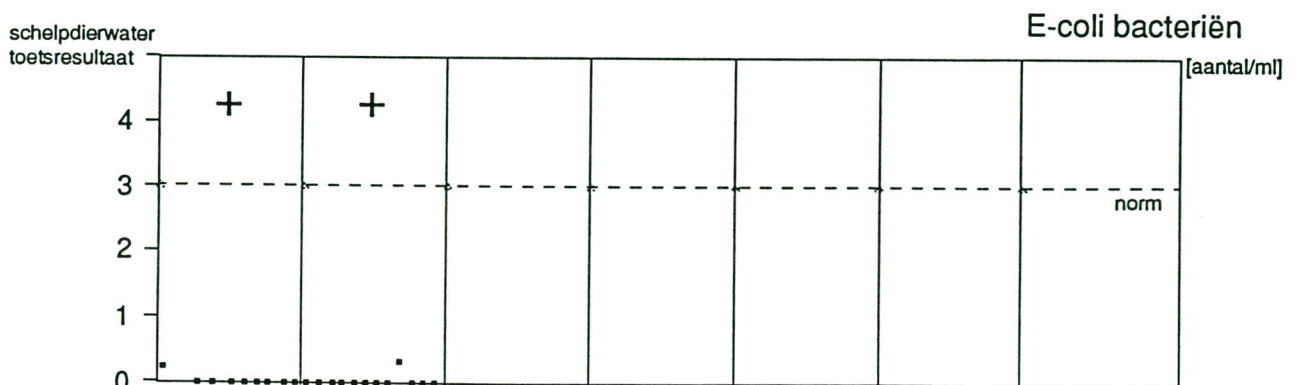
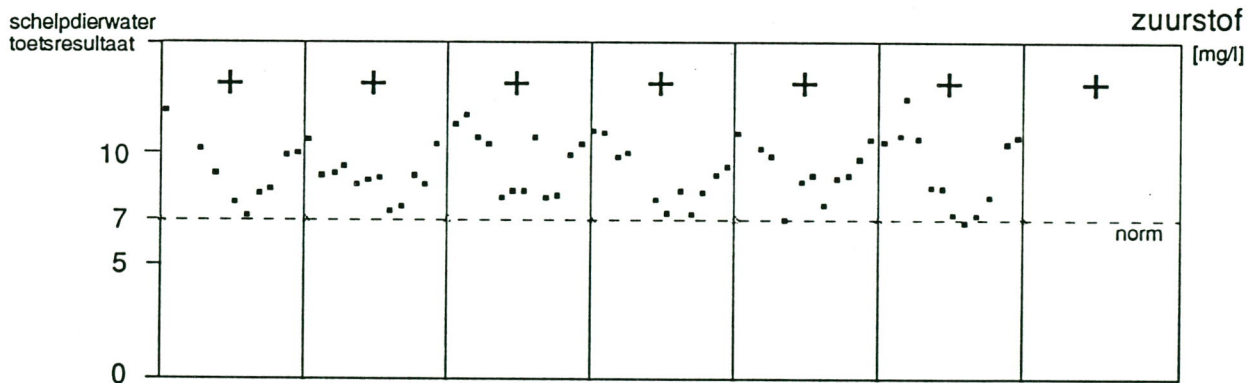
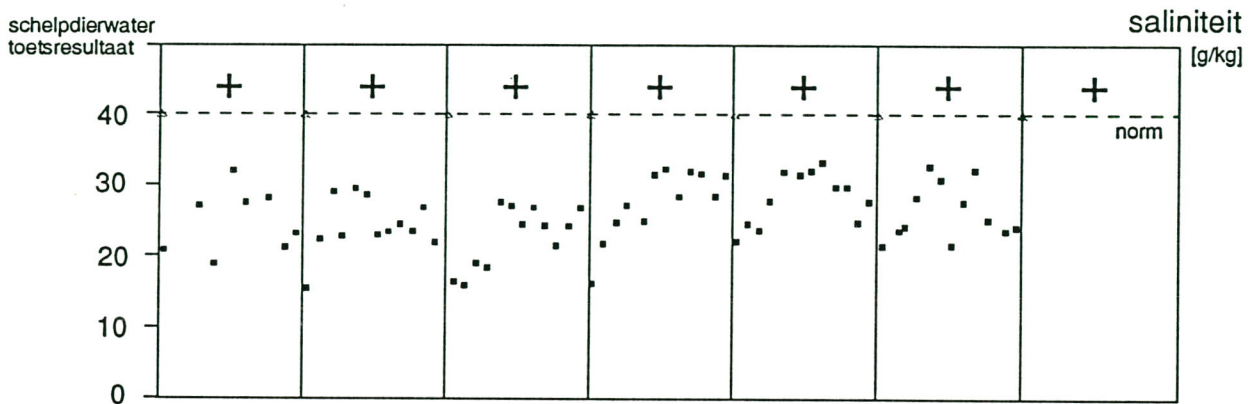
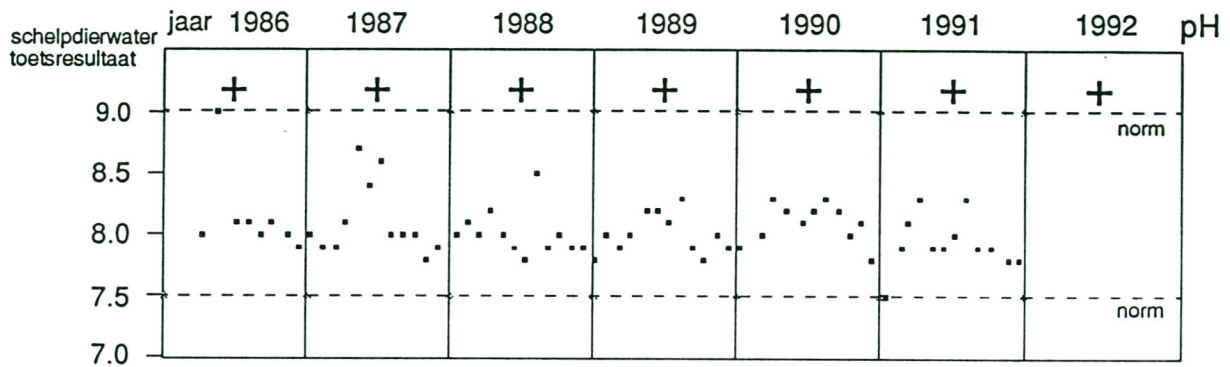
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|---|---|---|---|---|---|---|------|---|---|---|
| 1986 | 0.24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.33 | 0 | 0 | 0 |

lokatie: **Waddenzee, Blauwe Slenk**

code: WZ230



bijlage 29lokatie: **Waddenzee, Vliestroom**

code: WZ190

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.1 | 8.9 | 8.2 | 8.2 | 8.2 | 8.2 | 8.0 | 8.0 | | | |
| 1987 | 8.0 | 7.9 | 7.9 | 8.1 | 8.7 | 8.4 | 8.3 | 8.1 | 8.3 | 8.1 | 7.9 | 7.9 |
| 1988 | 7.9 | 8.0 | 8.0 | 8.3 | 8.1 | 8.1 | 8.0 | 8.5 | 8.1 | 8.0 | 7.9 | 7.9 |
| 1989 | 7.8 | 8.0 | 7.9 | 8.1 | 8.2 | 8.2 | 8.1 | 8.2 | 8.0 | 7.9 | 8.0 | 8.0 |
| 1990 | 7.9 | 8.0 | 8.3 | 8.2 | 8.2 | 8.3 | 8.2 | 8.2 | 8.0 | 8.1 | 7.9 | |
| 1991 | 7.4 | 7.9 | 8.0 | 8.2 | 8.1 | 8.2 | 7.9 | 8.0 | 8.3 | 8.0 | 8.0 | 8.0 |
| | 7.9 | | | | | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 28.07 | 30.27 | 26.75 | 32.35 | 31.07 | 32.82 | 27.40 | 28.88 | | | | |
| 1987 | 27.84 | 29.43 | 30.46 | 29.95 | 31.79 | 24.68 | 29.62 | 29.69 | 29.20 | 29.53 | 30.15 | 30.61 |
| 1988 | 26.05 | 26.70 | 31.80 | 28.75 | 30.15 | 30.45 | 30.00 | 30.00 | 28.50 | 29.90 | 31.50 | 31.07 |
| 1989 | 26.49 | 28.10 | 30.23 | 30.32 | 30.35 | 32.40 | 32.70 | 32.48 | 32.62 | 32.65 | 31.10 | 32.52 |
| 1990 | 29.47 | 29.49 | 30.76 | 31.34 | 32.97 | 25.45 | 33.11 | 32.63 | 32.63 | 31.40 | 31.05 | |
| 1991 | 28.48 | 28.34 | 29.51 | 30.58 | 33.32 | 33.43 | 30.59 | 31.56 | 32.82 | 32.28 | 30.82 | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|-------|------|------|-------|-------|
| 1986 | 11.10 | 10.40 | 9.70 | 7.80 | 6.70 | 7.90 | 8.79 | 9.60 | 9.70 | | | |
| 1987 | 10.50 | 10.60 | 10.30 | 8.50 | 8.10 | 9.20 | 7.00 | 8.79 | 8.70 | 8.50 | 9.50 | |
| 1988 | 10.60 | 10.80 | 10.30 | 10.60 | 8.20 | 7.90 | 8.20 | 11.50 | 8.10 | 7.80 | 9.50 | 10.10 |
| 1989 | 9.80 | 10.50 | 9.90 | 9.80 | 7.75 | 7.40 | 7.77 | 7.40 | 8.23 | 8.64 | 9.73 | |
| 1990 | 10.20 | 9.80 | 10.41 | 7.60 | 7.90 | 9.90 | 7.79 | 8.52 | 8.49 | 9.00 | 10.20 | |
| 1991 | 10.32 | 10.45 | 10.83 | 10.48 | 8.13 | 9.90 | 7.06 | 7.67 | 7.92 | 7.31 | 7.63 | 9.46 |

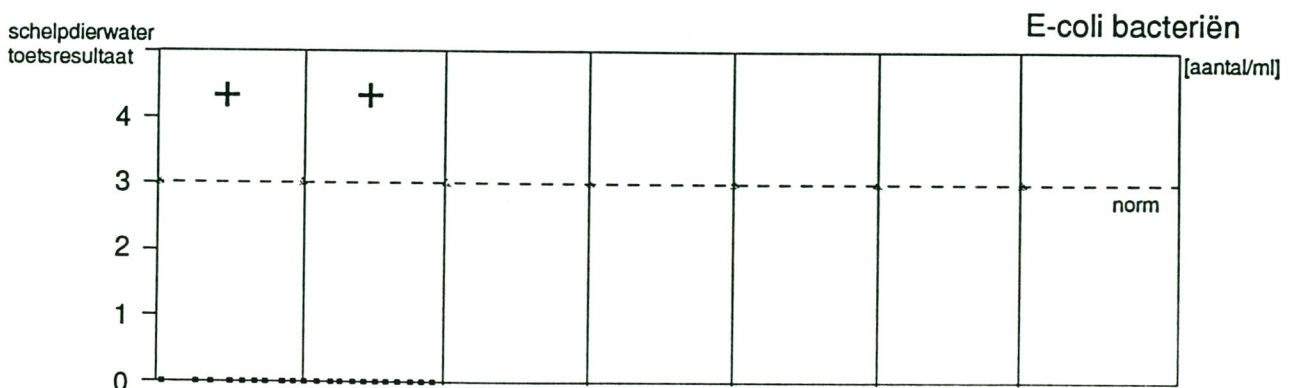
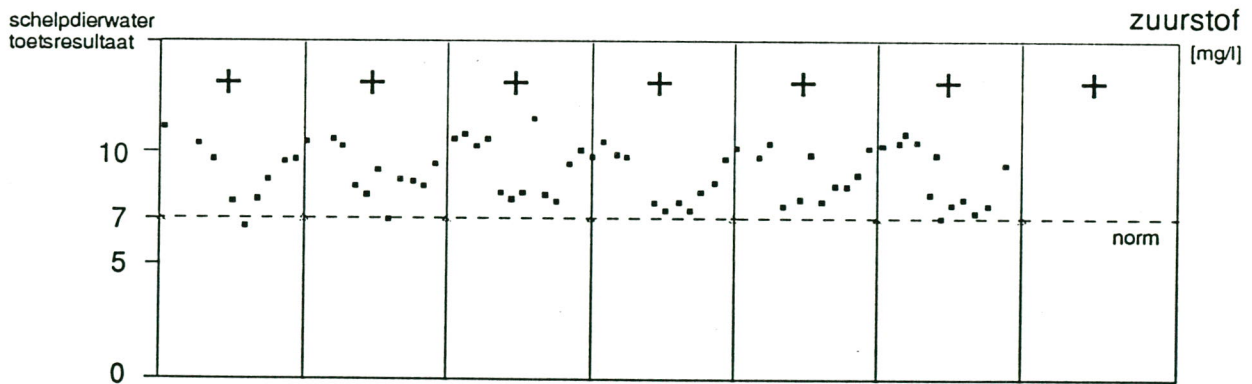
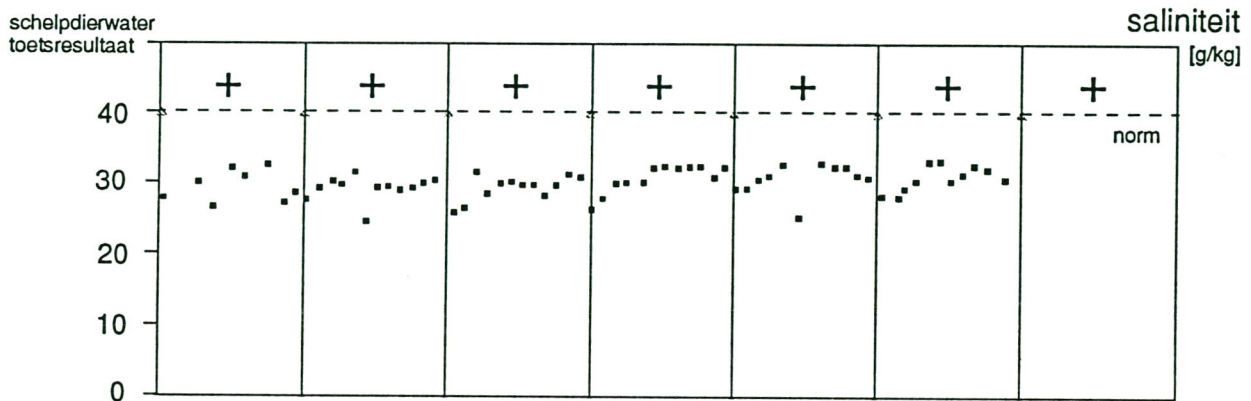
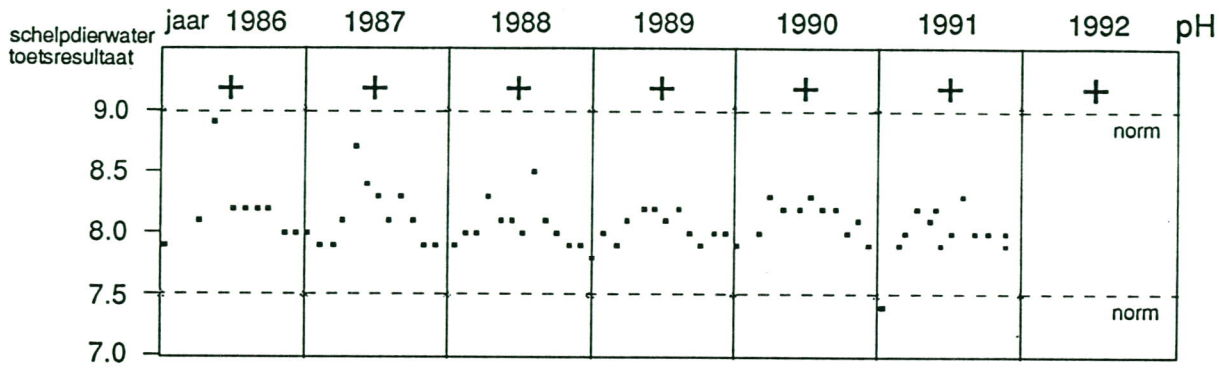
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

lokatie: **Waddensee, Vliestroom**

code: WZ190



bijlage 30

lokatie: **Waddenzee, Dantziggat**

code: WZ420

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.0 | 8.7 | 8.5 | 8.2 | 8.1 | 8.2 | 8.2 | 8.0 | 8.0 | | |
| 1987 | 7.9 | 7.9 | 8.0 | 8.4 | 8.3 | 8.2 | 7.9 | 7.9 | 7.9 | 7.9 | 7.9 | 7.8 |
| 1988 | 7.8 | 7.9 | 7.9 | 8.1 | 7.8 | 7.8 | 7.9 | 7.9 | 7.9 | 7.8 | 7.9 | 7.7 |
| 1989 | 7.7 | 7.8 | 7.9 | 7.9 | 8.2 | 7.9 | 8.0 | 8.1 | 7.7 | 7.8 | 7.9 | 7.8 |
| 1990 | 7.8 | 8.0 | 8.1 | 8.3 | 8.3 | 8.2 | 8.2 | 8.2 | 7.9 | 8.1 | 7.8 | |
| 1991 | 7.5 | 7.8 | 8.0 | 8.5 | 8.1 | 8.0 | 7.9 | 7.8 | 7.8 | 8.0 | 8.2 | 8.2 |
| | 8.2 | 7.8 | 7.9 | 7.9 | 7.8 | 7.7 | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 30.17 | 28.92 | 27.58 | 29.43 | 32.75 | 32.86 | 32.92 | 28.65 | 28.71 | | | |
| 1987 | 30.38 | 29.93 | 28.47 | 27.08 | 31.08 | 29.96 | 28.30 | 28.87 | 23.90 | 24.24 | 23.13 | 30.89 |
| 1988 | 27.20 | 25.85 | 30.35 | 26.70 | 31.35 | 31.45 | 25.30 | 26.35 | 30.50 | 30.55 | 32.00 | 30.72 |
| 1989 | 24.64 | 25.23 | 26.47 | 29.57 | 29.20 | 32.35 | 32.60 | 32.58 | 32.41 | 32.15 | 28.20 | 32.34 |
| 1990 | 29.19 | 27.37 | 24.99 | 28.79 | 33.28 | 32.69 | 31.90 | 33.76 | 32.53 | 32.53 | 31.38 | 31.50 |
| 1991 | 20.83 | 28.06 | 30.55 | 29.69 | 32.76 | 32.83 | 33.55 | 32.82 | 30.13 | 30.41 | 27.66 | 31.86 |
| | 31.34 | 33.28 | 33.24 | 31.40 | 30.39 | 25.31 | | | | | | |

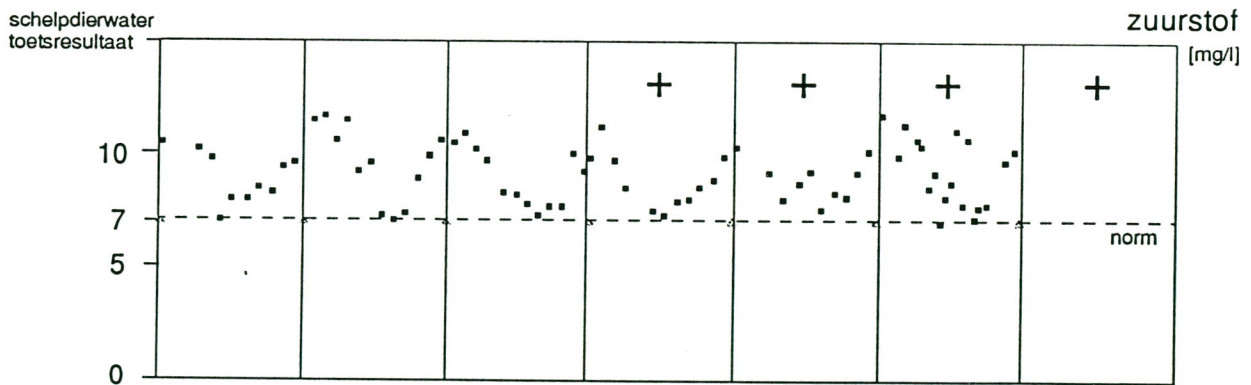
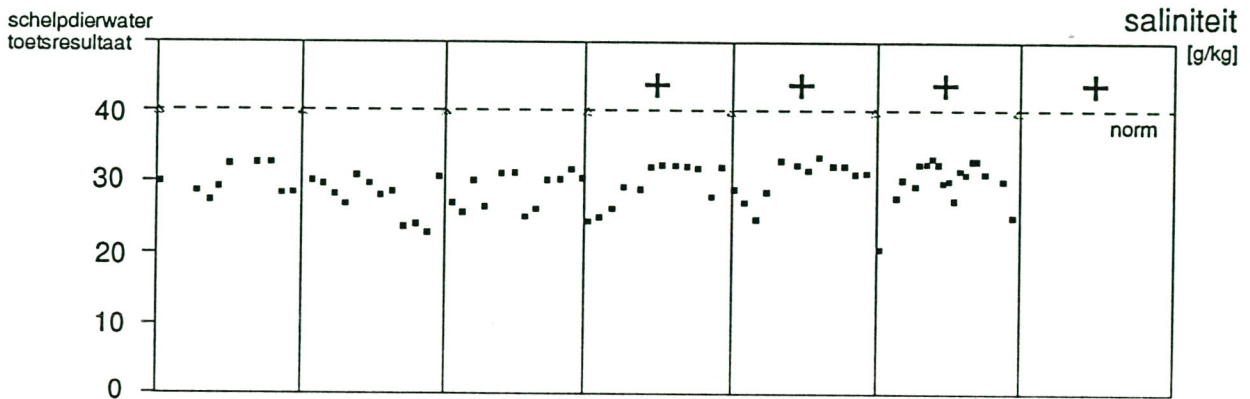
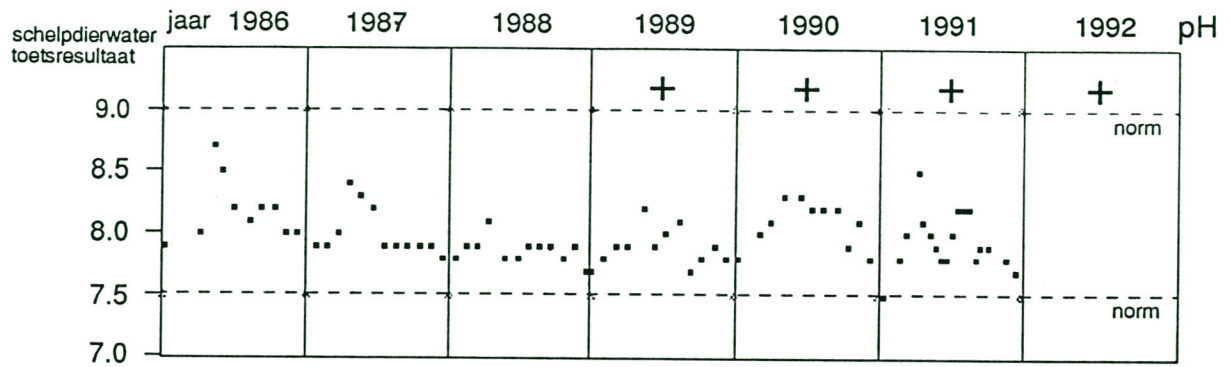
meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|------|-------|-------|-------|
| 1986 | 10.50 | 10.20 | 9.79 | 7.10 | 8.00 | 8.00 | 8.50 | 8.29 | 9.40 | 9.60 | | |
| 1987 | 11.50 | 11.70 | 10.60 | 11.50 | 9.20 | 9.60 | 7.30 | 7.10 | 7.40 | 8.90 | 9.90 | 10.60 |
| 1988 | 10.50 | 10.90 | 10.20 | 9.70 | 8.30 | 8.20 | 7.80 | 7.30 | 7.70 | 7.70 | 10.00 | 9.20 |
| 1989 | 9.80 | 11.20 | 9.70 | 8.50 | 7.50 | 7.30 | 7.91 | 7.99 | 8.53 | 8.84 | 9.87 | |
| 1990 | 10.29 | 9.15 | 8.00 | 8.70 | 9.20 | 7.57 | 8.28 | 8.10 | 9.16 | 10.10 | | |
| 1991 | 11.74 | 9.89 | 11.29 | 10.62 | 10.35 | 8.51 | 9.14 | 6.97 | 8.08 | 8.73 | 11.06 | 7.77 |
| | 10.66 | 7.16 | 7.65 | 7.77 | 9.67 | 10.14 | | | | | | |

lokatie: **Waddenzee, Dantziggat**

code: WZ420



bijlage 31lokatie: **Waddenzee, Wierumergronden**

code: WZ460

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 7.9 | 8.0 | 8.7 | 8.2 | 8.4 | 8.2 | 8.1 | 8.0 | 8.0 | 8.0 | |
| 1987 | 8.0 | 7.9 | 8.0 | 8.3 | 8.3 | 8.0 | 8.1 | 7.9 | 8.0 | 7.9 | 7.9 | 7.8 |
| 1988 | 7.8 | 8.0 | 8.0 | 8.3 | 8.1 | 8.0 | 8.0 | 8.0 | 7.8 | 7.7 | 7.9 | 7.8 |
| 1989 | 7.8 | 7.9 | 7.9 | 7.9 | 8.2 | 8.0 | 8.1 | 8.2 | 8.8 | 7.9 | 7.9 | 7.9 |
| 1990 | 7.8 | 8.0 | 8.2 | 8.2 | 8.1 | 8.3 | 8.3 | 8.1 | 8.0 | 8.0 | 7.9 | |
| 1991 | 7.1 | 8.2 | 7.9 | 8.2 | 7.9 | 8.0 | 8.2 | 8.0 | 7.9 | 7.8 | 8.0 | 7.8 |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 29.91 | 27.32 | 28.23 | 27.61 | 30.39 | 31.37 | 32.71 | 33.18 | 30.15 | 29.58 | | |
| 1987 | 28.47 | 29.01 | 29.12 | 29.52 | 31.07 | 30.07 | 29.25 | 30.73 | 22.07 | 26.13 | 27.25 | 29.33 |
| 1988 | 28.55 | 25.15 | 30.45 | 28.60 | 30.05 | 30.80 | 29.00 | 29.60 | 30.00 | 29.20 | 32.28 | 32.72 |
| 1989 | 29.22 | 29.72 | 27.37 | 28.88 | 31.65 | 31.75 | 32.00 | 33.19 | 32.30 | 32.35 | 30.40 | 31.58 |
| 1990 | 31.34 | 28.37 | 28.28 | 31.23 | 32.70 | 32.99 | 32.40 | 33.71 | 32.63 | 32.63 | 31.07 | 30.07 |
| 1991 | 29.72 | 30.20 | 32.26 | 33.36 | 31.33 | 32.46 | 32.97 | 32.19 | 30.67 | 28.46 | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|
| 1986 | 11.00 | 11.80 | 10.40 | 9.20 | 8.50 | 8.10 | 8.60 | 7.70 | 7.80 | 9.00 | | |
| 1987 | 11.80 | 11.60 | 11.00 | 11.30 | 9.10 | 7.90 | 8.40 | 7.40 | 7.70 | 8.90 | 9.79 | 10.80 |
| 1988 | 10.20 | 11.00 | 10.30 | 10.30 | 8.50 | 7.60 | 7.80 | 7.60 | 8.10 | 7.80 | 9.80 | 10.30 |
| 1989 | 9.80 | 10.30 | 9.80 | 9.80 | 8.19 | 7.69 | 7.87 | 7.18 | 8.47 | 9.05 | 9.79 | |
| 1990 | 9.99 | 9.60 | 9.83 | 8.70 | 9.70 | 9.90 | 7.64 | 8.19 | 8.00 | 8.99 | 10.20 | |
| 1991 | 10.93 | 11.69 | 8.10 | 7.73 | 6.47 | 7.73 | 7.71 | 7.62 | 10.58 | 10.76 | | |

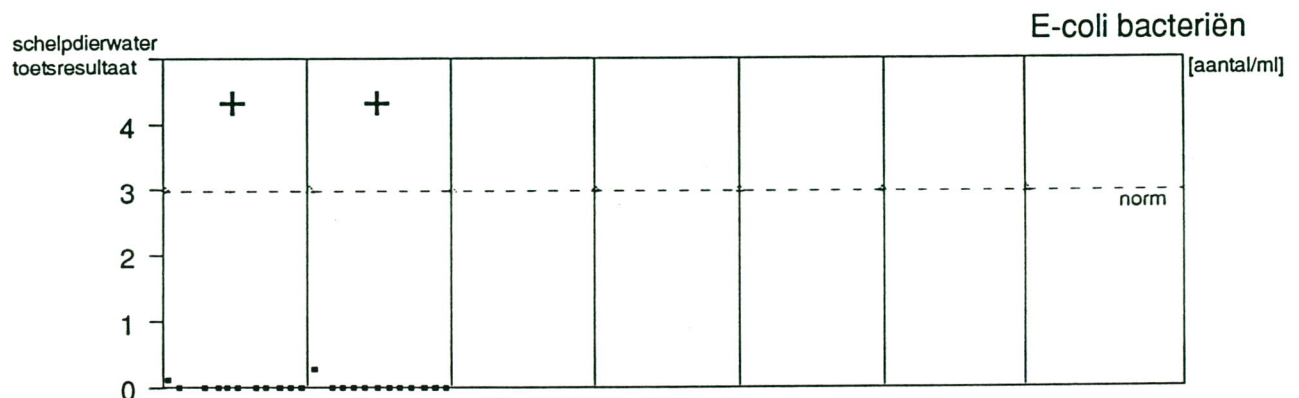
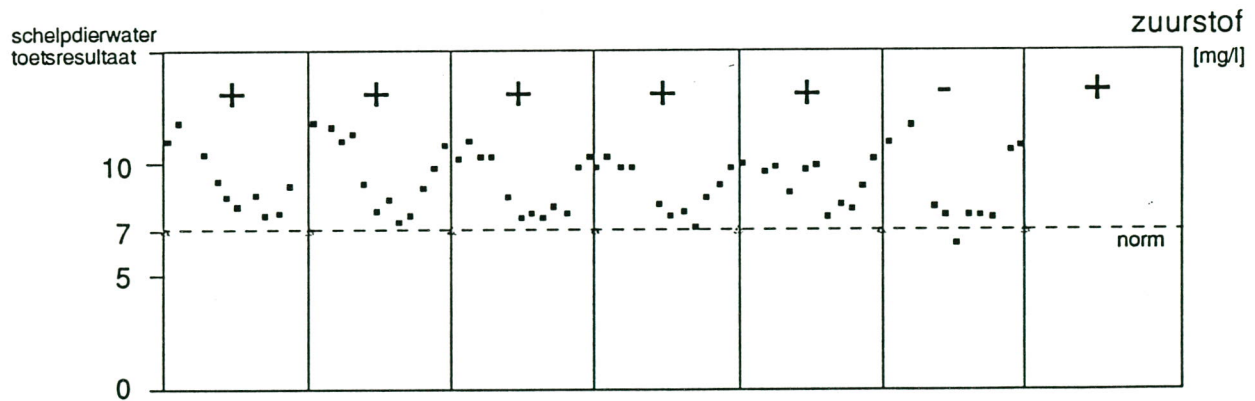
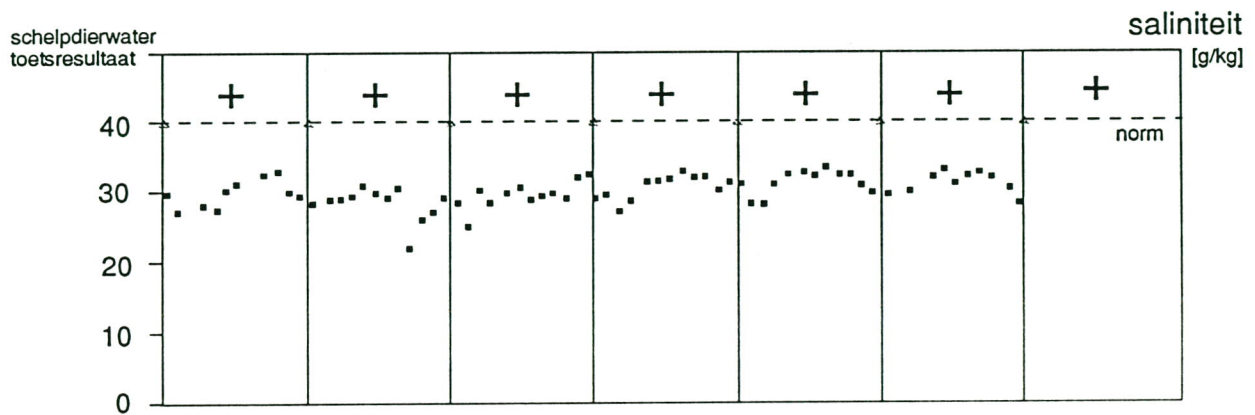
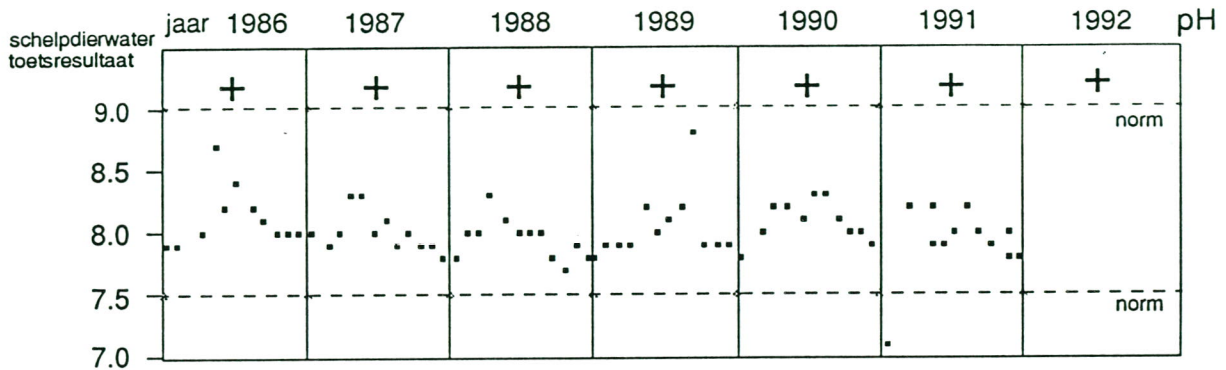
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0.12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0.28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

lokatie: **Waddenzee, Wierumergronden**

code: WZ460



bijlage 32lokatie: **Waddenzee, Zoutkamperlaag**

code: WZ480

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 7.9 | 8.0 | 8.7 | 8.4 | 8.5 | 8.2 | 8.1 | 7.9 | 7.9 | 8.0 | |
| 1987 | 8.0 | 7.9 | 8.0 | 8.3 | 8.2 | 7.9 | 8.1 | 7.8 | 8.0 | 7.9 | 7.9 | 7.8 |
| 1988 | 7.9 | 8.0 | 8.0 | 8.3 | 8.2 | 8.0 | 7.9 | 8.0 | 7.9 | 8.0 | 7.9 | 7.8 |
| 1989 | 7.8 | 7.9 | 8.0 | 7.9 | 8.0 | 8.1 | 8.2 | 8.2 | 7.9 | 7.9 | 7.9 | 7.9 |
| 1990 | 7.9 | 8.1 | 8.2 | 8.3 | 8.2 | 8.3 | 8.3 | 8.0 | 8.0 | 8.0 | 7.8 | |
| 1991 | 6.8 | 8.2 | 8.4 | 8.0 | 7.9 | 8.0 | 8.2 | 8.0 | 7.9 | 7.8 | 7.8 | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 27.14 | 25.59 | 28.29 | 28.03 | 29.12 | 31.06 | 32.35 | 32.72 | 29.87 | 29.13 | | |
| 1987 | 25.31 | 27.45 | 28.71 | 29.56 | 30.47 | 29.96 | 27.51 | 30.44 | 27.48 | 25.23 | 28.04 | 28.28 |
| 1988 | 27.00 | 24.20 | 29.15 | 27.90 | 29.90 | 30.95 | 28.60 | 29.80 | 29.00 | 29.15 | 30.98 | 32.48 |
| 1989 | 28.90 | 29.09 | 24.50 | 26.63 | 31.80 | 31.00 | 31.70 | 33.45 | 32.21 | 32.10 | 29.75 | 31.31 |
| 1990 | 31.07 | 28.52 | 29.15 | 29.56 | 32.30 | 32.97 | 31.89 | 33.85 | 32.58 | 32.58 | 29.24 | 29.02 |
| 1991 | 25.41 | 29.17 | 31.02 | 31.20 | 33.34 | 30.13 | 32.42 | 33.03 | 31.92 | 29.72 | 25.18 | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|------|------|------|-------|-------|
| 1986 | 11.20 | 11.90 | 9.80 | 9.10 | 8.20 | 8.10 | 8.90 | 8.20 | 7.60 | 9.20 | 10.20 | |
| 1987 | 12.20 | 11.60 | 10.90 | 11.00 | 9.00 | 7.60 | 8.50 | 6.50 | 7.60 | 9.00 | 9.70 | 10.40 |
| 1988 | 10.40 | 11.00 | 10.30 | 10.20 | 10.20 | 7.70 | 7.60 | 7.30 | 8.10 | 8.10 | 10.30 | 10.10 |
| 1989 | 9.80 | 10.28 | 9.80 | 10.40 | 9.75 | 7.63 | 7.93 | 7.20 | 8.53 | 9.11 | 9.96 | |
| 1990 | 9.96 | 10.50 | 9.79 | 9.50 | 10.20 | 10.40 | 7.38 | 8.15 | 8.05 | 9.32 | 10.50 | |
| 1991 | 11.13 | 12.03 | 8.85 | 8.07 | 8.26 | 6.94 | 7.88 | 7.74 | 7.74 | 9.75 | 10.02 | |

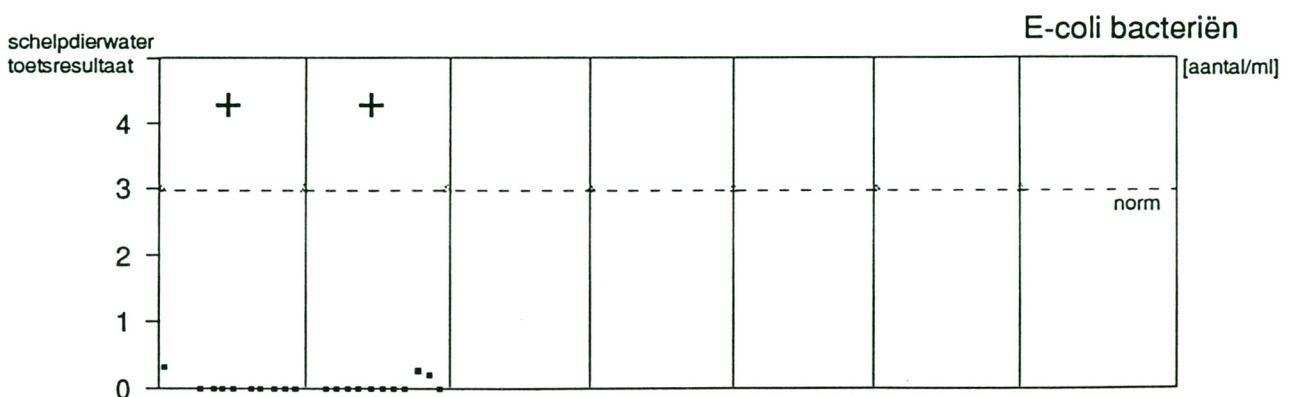
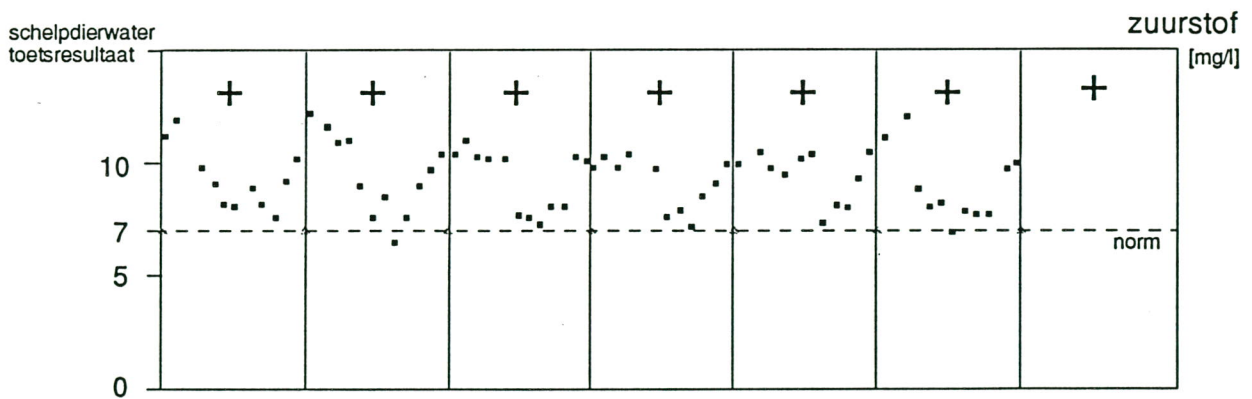
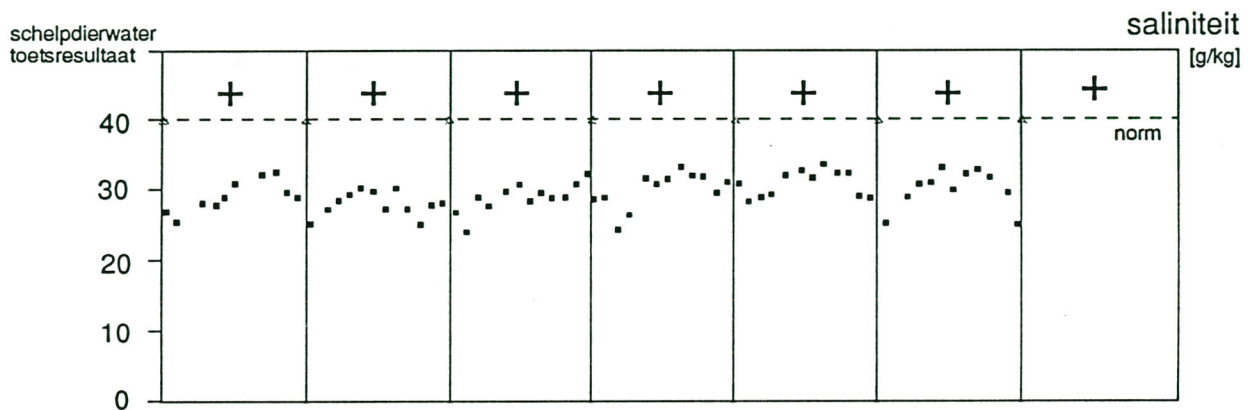
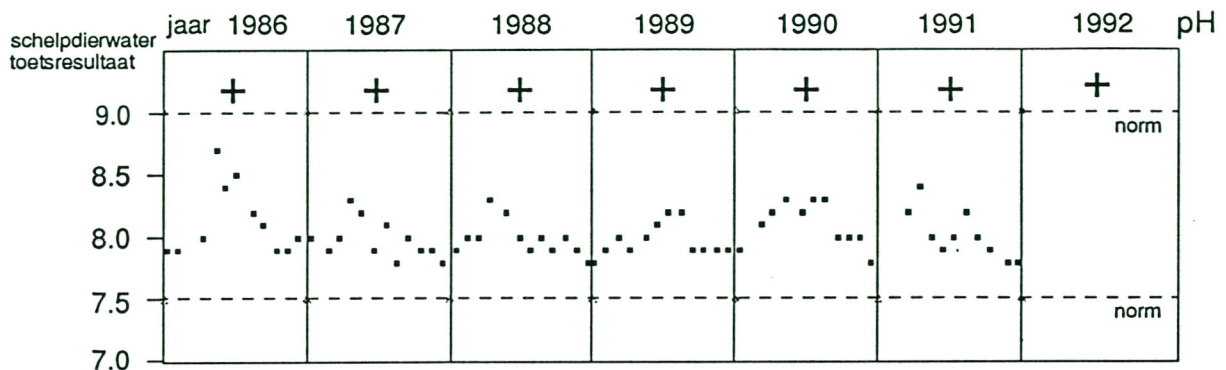
meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|------|---|---|---|---|---|---|---|------|------|---|--|
| 1986 | 0.32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.27 | 0.21 | 0 | |

lokatie: **Waddenzee, Zoutkamperlaag**

code: WZ480



bijlage 33lokatie: **Waddenzee, Zuid Oost Lauwers**

code: WZ590

meetresultaten (norm: 7.5 « pH « 9)

pH

| | | | | | | | | | | | | |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1986 | 7.9 | 8.0 | 8.9 | 8.6 | 8.5 | 8.2 | 8.2 | 8.0 | 7.9 | 7.9 | | |
| 1987 | 8.0 | 7.9 | 8.0 | 8.5 | 8.3 | 7.9 | 8.2 | 7.8 | 7.7 | 7.9 | 7.9 | 7.9 |
| 1988 | 7.8 | 7.9 | 7.9 | 8.2 | 8.0 | 7.9 | 8.2 | 7.9 | 7.9 | 7.8 | 7.8 | 7.8 |
| 1989 | 7.8 | 7.9 | 7.9 | 7.9 | 8.0 | 7.9 | 8.2 | 8.1 | 7.7 | 7.8 | 7.9 | 7.8 |
| 1990 | 7.8 | 8.0 | 8.2 | 8.3 | 8.2 | 8.1 | 8.2 | 7.9 | 8.0 | | | |
| 1991 | 7.0 | 7.8 | 7.9 | 8.3 | 8.3 | 8.4 | 7.5 | 7.9 | 7.7 | 7.8 | 8.0 | 8.2 |
| | 7.8 | 7.9 | 7.9 | 7.9 | 7.8 | | | | | | | |

meetresultaten (norm: « 40)

saliniteit (g/kg)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1986 | 28.65 | 26.08 | 29.95 | 29.41 | 28.12 | 31.40 | 32.14 | 29.76 | 29.69 | | | |
| 1987 | 28.86 | 28.02 | 28.54 | 29.02 | 29.55 | 29.83 | 29.77 | 29.56 | 28.84 | 28.45 | 28.59 | 27.71 |
| 1988 | 26.40 | 26.15 | 29.40 | 26.70 | 28.50 | 30.20 | 28.70 | 30.20 | 29.50 | 27.75 | 30.77 | 27.42 |
| 1989 | 29.05 | 28.38 | 28.88 | 26.92 | 31.38 | 30.20 | 31.30 | 32.58 | 31.60 | 31.65 | 30.15 | 30.82 |
| 1990 | 29.31 | 29.56 | 32.51 | 29.14 | 31.17 | 32.49 | 33.29 | 32.35 | 32.35 | 28.63 | | |
| 1991 | 26.02 | 29.94 | 29.10 | 30.79 | 30.50 | 29.16 | 31.98 | 31.67 | 32.18 | 29.99 | 31.71 | 32.20 |
| | 32.72 | 32.69 | 32.10 | 29.54 | 29.21 | | | | | | | |

meetresultaten (norm: » 7.0)

zuurstof (mg/l)

| | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|
| 1986 | 11.40 | 10.60 | 10.30 | 10.80 | 11.20 | 8.70 | 9.00 | 10.20 | 9.20 | 9.90 | | |
| 1987 | 11.70 | 11.70 | 10.70 | 13.40 | 9.20 | 8.20 | 8.10 | 7.80 | 7.40 | 9.00 | 9.70 | 11.30 |
| 1988 | 10.90 | 11.00 | 10.40 | 10.40 | 8.60 | 10.30 | 7.70 | 7.80 | 8.80 | 10.40 | 10.10 | |
| 1989 | 9.80 | 10.70 | 9.60 | 10.50 | 7.26 | 8.65 | 7.46 | 7.78 | 8.47 | 9.22 | 10.14 | |
| 1990 | 10.12 | 10.60 | 9.86 | 9.30 | 9.10 | 7.61 | 9.66 | 7.88 | 9.11 | | | |
| 1991 | 10.61 | 9.78 | 10.03 | 11.84 | 12.11 | 11.30 | 8.56 | 6.99 | 7.85 | 7.09 | 8.47 | 8.28 |
| | 7.68 | 7.13 | 8.14 | 8.79 | 10.30 | | | | | | | |

meetresultaten (norm: « 3)

E-coli bacteriën (aantal/ml)

| | | | | | | | | | | | | |
|------|---|------|---|---|---|------|---|------|------|------|--|--|
| 1986 | 0 | 0 | 0 | 0 | 0 | 0.14 | 0 | 0.12 | 0.54 | | | |
| 1987 | 0 | 0.19 | 0 | 0 | 0 | 0 | 0 | 0.23 | 0 | 0.24 | | |

lokatie: **Waddenzee, Zuid Oost Lauwers**

code: WZ590

