

This paper not be cited without reference to the author

MESURE E LA SALINITE

Croisière côtière du 23 au 25 Avril 1975

LABO de Chimie de la MER - FORCE NAVALE

| <u>POINTS</u> | <u>DATE</u> | <u>HEURE</u> | <u>POSITION</u> | <u>PROFONDEUR</u> | <u>SALINITE</u> | <u>BATEAU</u> |
|---------------|-------------|--------------|-------------------------|-------------------|-----------------|---------------|
| 982 | | | 51°03'53"5 N 2°17'15" E | | | |
| 2 | | | 51°05'20" 2°15' | | | |
| 1012 | | | 51°06'46"5 2°12'45" | | | |
| 980 | | | 51°04'15" 2°26'15" | | | |
| 51 | | | 51°05'42" 2°24'40" | | | |
| 1010 | | | 51°06'20" 2°21'45" | | | |
| 1 | 230475 | 12.15 | 51°06'15" 2°32'40" | 0 m | 33.20532 | MSI |
| 1008 | " | 12.05 | 51°07'10" 2°31' | " | 33.29292 | |
| 1022 | " | 11.30 | 51°08'13" 2°28'30" | " | 33.52818 | |
| 1006b | " | 12.47 | 51°08'21" 2°38'40" | " | 33.16718 | |
| 1020b | " | 12.35 | 51°08'56" 2°36'18" | " | 33.17000 | |
| 1036b | " | 11.10 | 51°10'22"5 2°34'40" | " | 33.52890 | |
| 1034 | " | 13.20 | 51°10' 2°44'20" | 0 m | 32.53064 | |
| " | " | 13.35 | | 5 m | 32.59750 | |
| 1050 | " | 13.45 | 51°11'06" 2°42'04" | 0 m | 33.09392 | |
| 1067 | " | 10.45 | 51°12'32"5 2°39'48" | " | 33.00626 | |
| 1048b | " | 14.35 | 51°12'20" 2°50'14" | 0 m | 32.41789 | |
| " | " | 14.30 | | 3 m | 32.33601 | |
| 1065b | " | 14.10 | 51°13'07" 2°47'57" | 0 m | 33.09342 | |
| 1081b | " | 10.15 | 51°14'33"5 2°45'41"5 | " | 32.64462 | |
| IE | " | 15.00 | 51°14'30" 2°54'50" | 0 m | 30.64596 | |
| " | " | 15.10 | | 5 m | 31.50090 | |
| 1079b | 240475 | 10.00 | 51°14'35" 2°55'25" | 0 m | 27.94708 | |
| " | " | 10.07 | | 4 m | 27.8034 | |
| 1097 | " | 10.20 | 51°15'25"5 2°53'24" | 0 m | 33.13527 | |
| 1115 | " | 10.30 | 51°16'52" 2°51'08" | " | 29.13466 | |
| IF | | | 51°15'30" 2°56'50" | | | |
| 1112a | " | 11.30 | 51°16'40" 3°00'30" | 0 m | 27.70725 | |
| " | " | 11.45 | | 5 m | 27.61325 | |
| 1113b | " | 11.20 | 51°17'35" 2°59'07" | 0 m | 27.03157 | |
| 1133b | " | 11.05 | 51°19'01"5 2°56'51" | " | 28.80153 | |

| | | | | | | |
|-------|--------|-------|------------|----------|-------|-----------|
| IG | 240475 | 11.50 | 51°18'40" | 3°04'30" | 0 m | 28.01664 |
| IH | " | 12.00 | 51°19'10" | 3°06' | 0 m | 27.93412 |
| " | " | 12.15 | | | 4 m | 27.89563 |
| 1149b | " | 13.00 | 51°20'02" | 3°04'16" | 0 m | 28.11232 |
| 1169b | " | 13.15 | 51°21'28" | 3°02' | 0 m | 29.09520 |
| II | | | 51°20'30" | 3°10'30" | | |
| 1188 | 250475 | 9.45 | 51°22'38" | 3°09'15" | 0 m | 29.92667 |
| " | " | 10.15 | | | 0 m | 28.75043 |
| 1211 | | | 51°24'04"5 | 3°07' | | |
| IJ | " | 10.30 | 51°21' | 3°12'40" | 0 m | 27.32958 |
| " | " | 10.30 | | | 5 m | 27.37294 |
| IK | " | 10.35 | 51°21' | 3°13'50" | 0 m | 27.36768 |
| IL | " | 11.00 | 51°21'50" | 3°17'10" | 0 m | 27.75452 |
| " | " | 11.00 | | | " | 27.63102 |
| " | " | 11.00 | | | 4,5 m | 27.59931 |
| 1185b | " | 11.45 | 51°23'02" | 3°22'56" | 0 m | 27.37528 |
| " | " | 11.45 | | | 4,5 m | 27.36870 |
| 1208 | " | 11.35 | 51°24'04"5 | 3°21'02" | 0 m | 26.86306 |
| 1231 | " | 11.25 | 51°25'31" | 3°18'41" | 0 m | 29.47709 |
| 1250b | " | 12.15 | 51°27'17" | 3°31'33" | " | 29.656151 |
| 5 | " | 12.25 | 51°28'25" | 3°28'07" | " | 31.24609 |
| 1283 | " | 12.40 | 51°29'49" | 3°25'45" | " | 30.64504 |

Campagne "Brise-lames" du 16 Avril 1975

| | | | | | | |
|-----|--------|-------|-----------|----------|---------|----------|
| 134 | 160475 | 13.00 | 51°09'18" | 2°42'53" | Surface | 30.16694 |
| 141 | " | 12.15 | 51°12'05" | 2°50'37" | " | 30.14519 |
| 212 | " | 11.15 | 51°16'50" | 2°01'57" | " | 28.38152 |
| 258 | " | 10.20 | 51°19'44" | 3°11'20" | " | 27.05103 |
| 272 | " | 09.40 | 51°20'20" | 3°14'10" | " | 26.97710 |
| 286 | " | 9.10 | 51°21'10" | 3°17'17" | " | 27.53928 |

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MESURE DE LA SALINITE

Croisière Estuaire du 15 au 18 Avril 1975
 LABO de Chimie DER-FORCE NAVALE

| <u>N°</u> <u>échant.</u> | <u>DATE</u> | <u>HEURE</u> | <u>POSITION</u> | <u>PROFONDEUR</u> | <u>SALINITE</u> | <u>BATEAU</u> |
|-----------------------------|-------------|--------------|------------------------|-------------------|-----------------|---------------|
| H1 | 150475 | 11.40 | 51°26'00" N 3°34'45" E | Surface | 23.34296 | HASSELT |
| H 2 | " | 11.52 | 51°27'10" 3°32'08" | " | 27.81872 | " |
| H 3 | " | 12.04 | 51°28'45" 3°30'11" | " | 29.45615 | " |
| H 4 | " | 12.15 | 51°30'10" 3°27'53" | " | 30.25646 | " |
| H5 | " | 12.27 | 51°31'32" 3°25'51" | " | 30.80502 | " |
| H 6 | " | 12.37 | 51°33'27" 3°24'55" | " | 30.84834 | " |
| H 7 | " | 12.47 | 51°35'19" 3°23'41" | " | 31.00033 | " |
| H 8 | " | 12.55 | 51°36'20" 3°21'50" | " | 31.51185 | " |
| H 9 | " | 13.07 | 51°34'55" 3°19'33" | " | 30.50938 | " |
| H10 | " | 13.13 | 51°33'30" 3°17'15" | " | 30.23206 | " |
| H11 | " | 13.22 | 51°32'03" 3°14'57" | " | 30.60489 | " |
| H12 | " | 13.31 | 51°30'38" 3°12'42" | " | 30.92326 | " |
| H13 | " | 13.40 | 51°29'20" 3°10'40" | " | 29.85172 | " |
| H14 | " | 13.49 | 51°27'55" 3°08'24" | " | 30.72386 | " |
| H15 | " | 13.58 | 51°26'28" 3°06'05" | " | 30.54937 | " |
| H16 | " | 14.09 | 51°25'06" 3°03'51" | " | 30.29917 | " |
| H17 | " | 14.18 | 51°23'40" 3°01'32" | " | 29.03272 | " |
| H18 | " | 14.29 | 51°22'15" 2°59'47" | " | 28.73215 | " |
| H19 | " | 14.40 | 51°20'47" 2°57'03" | " | 29.16780 | " |
| H20 | " | 14.51 | 51°19'27" 2°54'45" | " | 29.40511 | " |
| K 1 | " | 11.35 | 51°26'00" N 3°34'45" E | Surface | 24.41501 | KORTRIJK |
| K 2 | " | 11.50 | 51°25'25" 3°31'20" | " | 24.42193 | " |
| K 3 | " | 12.06 | 51°24'45" 3°28'00" | " | 25.05085 | " |
| K 4 | " | 12.16 | 51°24'25" 3°24'45" | " | 26.18705 | " |
| K 5 | " | 12.28 | 51°24'20" 3°21'20" | " | 26.42709 | " |
| K 6 | " | 12.37 | " 3°17'55" | " | 27.08541 | " |
| K 7 | " | 12.49 | " 3°14'30" | " | 28.46755 | " |
| K 8 | " | 13.01 | " 3°11'10" | " | 28.50387 | " |
| K 9 | " | 13.17 | " 3°07'50" | " | 28.96346 | " |
| K10 | " | 13.28 | " 3°04'15" | " | 29.49936 | " |
| K11 | " | 13.39 | " 3°00'55" | " | 29.84612 | " |
| K12 | " | 13.49 | " 2°57'30" | " | 30.04240 | " |
| K13 | " | 14.00 | " 2°54'10" | " | 29.96227 | " |

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|-----|---|-------|-----------|------------|-----------|----------|---|
| K14 | " | 14.16 | 51°23'35" | N 2°50'45" | E Surface | 31.29958 | " |
| K15 | " | 14.26 | 51°22'50" | 2°47'30" | " | 31.92060 | " |
| K16 | " | 14.37 | 51°21'50" | 2°46'50" | " | 31.51749 | " |
| K17 | " | 14.49 | 51°20'05" | 2°48'50" | " | 30.43235 | " |
| K18 | " | 15.00 | 51°18'30" | 2°50'35" | " | 30.01199 | " |
| K19 | " | 15.12 | 51°16'35" | 2°52'45" | " | 31.02230 | " |
| K20 | " | 15.22 | 51°14'45" | 2°54'45" | " | 30.92168 | " |

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|------------|---|-------|-----------|---------|-----------|----------|----------|
| 1 S 160475 | | 9.59 | 51°22' | N 2°55' | E Surface | 30.29364 | HASSELT |
| 2 S | " | 10.09 | " | 2°58' | " | 29.64536 | " |
| 3 S | " | 10.21 | " | 3°01' | " | 28.54411 | " |
| 4 S | " | 10.33 | " | 3°04' | " | 28.58770 | " |
| 5 S | " | 10.45 | " | 3°07' | " | 28.22154 | " |
| 6 S | " | 11.01 | 51°24'30" | 3°07' | " | 28.84994 | " |
| 7 S | " | 11.09 | " | 3°04' | " | 28.99391 | " |
| 8 S | " | 11.17 | " | 3°01' | " | 28.86398 | " |
| 9 S | " | 11.26 | " | 2°58' | " | 29.27290 | " |
| 10 S | " | 11.35 | " | 2°55' | " | 29.98644 | " |
| 11 S | " | 9.41 | 51°27' | 2°55' | " | 31.09417 | KORTRIJK |
| 12 S | " | 9.52 | " | 2°58' | " | 30.41216 | " |
| 13 S | " | 10.08 | " | 3°01' | " | 30.34246 | " |
| 14 S | " | 10.13 | " | 3°04' | " | 29.79966 | " |
| 15 S | " | 10.26 | " | 3°07' | " | 29.28820 | " |
| 16 S | " | 10.47 | 51°29'30" | 3°07' | " | 30.23369 | " |
| 17 S | " | 10.57 | " | 3°04' | " | 30.32581 | " |
| 18 S | " | 11.06 | " | 3°01' | " | 30.70260 | " |
| 19 S | " | 11.17 | " | 2°58' | " | 30.91091 | " |
| 20 S | " | 11.26 | " | 2°55' | " | 31.15527 | " |

| | | | | | | | | |
|------------------------|---|-------|-----------|----------|---|----------|----------|--------|
| SCHEUR | " | 11.30 | 51°24'30" | 3°10'30" | " | 28.54815 | MECHELEN | T° eau |
| " 8" | " | 12.30 | " | " | " | 28.94587 | " | 6°4 |
| | | 13.30 | " | " | " | 29.30722 | " | 6°3 |
| | | 14.30 | " | " | " | 30.04459 | " | 6°4 |
| | | 15.30 | " | " | " | 30.36789 | " | 6°5 |
| Changement de la marée | - | 16.30 | " | " | " | 30.45512 | " | " |
| | | 17.30 | " | " | " | 29.92436 | " | " |
| | | 18.30 | " | " | " | 29.57728 | " | 6°3 |
| | | 19.30 | " | " | " | 29.45820 | " | 6°5 |
| | | 20.30 | " | " | " | 28.90109 | " | 6°3 |
| | | 21.30 | " | " | " | 28.92347 | " | 6°4 |
| Changement de la marée | - | 22.30 | " | " | " | 28.57612 | " | " |
| | | 23.30 | " | " | " | 28.57459 | " | " |

| | | | | | | | | |
|------|--------|-------|-----------|----------|---|---------|----------|----------|
| 1 N | 170475 | 9.00 | 51°34'30" | N 3°16' | E | Surface | 30.97566 | HASSELT |
| 2 N | " | 9.12 | " | 3°19'30" | " | " | 30.80642 | " |
| 3 N | " | 9.24 | " | 3°23' | " | " | 30.64467 | " |
| 4 N | " | 9.36 | " | 3°26'30" | " | " | 31.13137 | " |
| 5 N | " | 9.47 | " | 3°30' | " | " | 30.74961 | " |
| 6 N | " | 10.15 | 51°37'30" | 3°30' | " | " | 31.54183 | " |
| 7 N | " | 10.25 | " | 3°26'30" | " | " | 31.20208 | " |
| 8 N | " | 10.35 | " | 3°23' | " | " | 30.77283 | " |
| 9 N | " | 10.45 | " | 3°19'30" | " | " | 31.20823 | " |
| 10 N | " | 10.55 | " | 3°16' | " | " | 31.10955 | " |
| 11 N | " | 8.52 | 51°40' | 3°16' | " | " | 31.45096 | KORTRIJK |
| 12 N | " | 9.03 | " | 3°19'30" | " | " | 31.24119 | " |
| 13 N | " | 9.12 | " | 3°23' | " | " | 31.23069 | " |
| 14 N | " | 9.25 | " | 3°26'30" | " | " | 31.38198 | " |
| 15 N | " | 9.35 | 51°41'30" | 3°28'18" | " | " | 31.44940 | " |
| 16 N | " | 9.45 | 51°43' | 3°30' | " | " | 31.64640 | " |
| 17 N | " | 9.55 | " | 3°26'30" | " | " | 31.34620 | " |
| 18 N | " | 10.05 | " | 3°23' | " | " | 31.11459 | " |
| 19 N | " | 10.15 | " | 3°19'30" | " | " | 31.18315 | " |
| 20 N | " | 10.25 | " | 3°16' | " | " | 31.57344 | " |

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|---------------------------|--------|--------|-----------|------------|---|---|----------|----------|---------------|
| OG1A | 170475 | 8.00 | 51°31'10" | N 3°25'40" | E | " | 29.38344 | MECHELEN | T° eau 6°4 |
| | | 9.00 | " | " | " | " | 29.45512 | " | 6°5 |
| | | 10.00 | " | " | " | " | 29.45272 | " | " |
| | | 11.00 | " | " | " | " | 29.00604 | " | " |
| Changement de la marée | | -11.30 | " | " | " | " | 29.21972 | " | " |
| | | 12.00 | " | " | " | " | 29.80492 | " | " |
| | | 13.00 | " | " | " | " | 30.47923 | " | " |
| | | 14.00 | " | " | " | " | 30.92949 | " | 6°4 |
| | | 15.00 | " | " | " | " | 31.07348 | " | 6°5 |
| | | 16.00 | " | " | " | " | 30.87818 | " | " |
| | | 17.00 | " | " | " | " | 30.19185 | " | " |
| Changement de la marée | | -17.30 | " | " | " | " | 30.09333 | " | " |
| | | 18.00 | " | " | " | " | 29.97353 | " | " |
| | | 19.00 | " | " | " | " | 30.30228 | " | 6°4 |
| | | 20.00 | " | " | " | " | 29.68810 | " | 6°5 |
| | | 21.00 | " | " | " | " | 29.29334 | " | 6°6 |

| | | | | | | | |
|-----|--------|-------|-----------|--------------|---------|----------|----------|
| K21 | 180475 | 8.55 | 51°26'00" | N 3°34'45" E | Surface | 24.74225 | KORTRIJK |
| K22 | " | 9.01 | 51°25'41" | 3°32'11" | " | 25.27460 | " |
| K23 | " | 9.08 | 51°25'21" | 3°29'37" | " | 27.21180 | " |
| K24 | " | 9.15 | 51°25'02" | 3°27'06" | " | 27.16986 | " |
| K25 | " | 9.23 | 51°24'46" | 3°24'35" | " | 27.51232 | " |
| K26 | " | 9.32 | 51°24'33" | 3°22'00" | " | 28.18686 | " |
| K27 | " | 9.41 | 51°24'31" | 3°19'26" | " | 28.04607 | " |
| K28 | " | 9.48 | 51°24'43" | 3°16'54" | " | 28.65485 | " |
| K29 | " | 9.57 | 51°24'45" | 3°14'20" | " | 28.80319 | " |
| K30 | " | 10.06 | 51°24'31" | 3°11'49" | " | 28.11662 | " |
| K31 | " | 10.13 | 51°24'19" | 3°09'16" | " | 28.36108 | " |
| K32 | " | 10.22 | 51°24'12" | 3°06'40" | " | 28.48954 | " |
| K33 | " | 10.31 | 51°24'13" | 3°04'05" | " | 28.78945 | " |
| K34 | " | 10.39 | 51°24'12" | 3°01'28" | " | 29.67010 | " |
| K35 | " | 10.48 | 51°24'13" | 2°58'57" | " | 30.39055 | " |
| K36 | " | 10.56 | 51°24'14" | 2°56'15" | " | | " |
| K37 | " | 11.05 | 51°24'12" | 2°53'33" | " | 31.53001 | " |
| K38 | " | 11.14 | 51°23'39" | 2°51'01" | " | 31.95334 | " |
| K39 | " | 11.23 | 51°23'05" | 2°48'30" | " | 32.16999 | " |
| K40 | " | 11.31 | 51°22'30" | 2°46'00" | " | 32.19971 | " |

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MESURE DE LA SALINITE

Croisière en Mer du Nord - 03 au 05 MAR 75

LABO de CHIMIE DER FORCE NAVALE

| <u>POINT</u> | <u>DATE</u> | <u>HEURE</u> | <u>PROFONDEUR</u> | <u>SALINITE</u> | |
|--------------|-------------|--------------|-------------------|-----------------|-----|
| 5 | 050375 | . | 0 m | 30.27186 | MSI |
| | | . | 4 | 30.80655 | |
| | | . | 8,5 | 31.26562 | |
| 6 | " | . | 0 | 32.00231 | |
| | | . | 7 | 32.00440 | |
| | | . | 14 | 32.05864 | |
| 8 | 040375 | . | S | 34.22214 | |
| | | . | M | 34.21203 | |
| | | . | F | 34.19353 | |
| 9 | " | . | 0 | 34.73226 | |
| | | . | 13 | 34.78712 | |
| | | . | 27 | 34.72387 | |
| 10 | " | . | 0 | 34.87344 | |
| | | . | 20 | 34.91713 | |
| | | . | 40 | 34.93205 | |
| 51 | 030375 | . | 0 | 34.11590 | |
| | | . | 8 | 34.12965 | |
| | | . | 16 | 34.17854 | |
| 52 | " | . | S | 33.98602 | |
| | | . | F | 33.91998 | |
| 55 | 050375 | . | 0 | 32.19073 | |
| | | . | 11 | 32.33145 | |
| | | . | 22 | 32.30165 | |
| 1068 | 030375 | . | S | 33.94103 | |
| | | . | M | 33.92159 | |
| | | . | F | 33.94193 | |

| <u>Point</u> | <u>Date</u> | <u>Heure</u> | <u>Profondeur</u> | <u>Salinité</u> |
|--------------|-------------|--------------|-------------------|-----------------|
| 1154 | 070475 | 11.10 | 0m | 31.78460 |
| | " | " | 12,5 m | 31.81014 |
| | " | " | 25, m | 28.07248 |