?K-1-81-AR

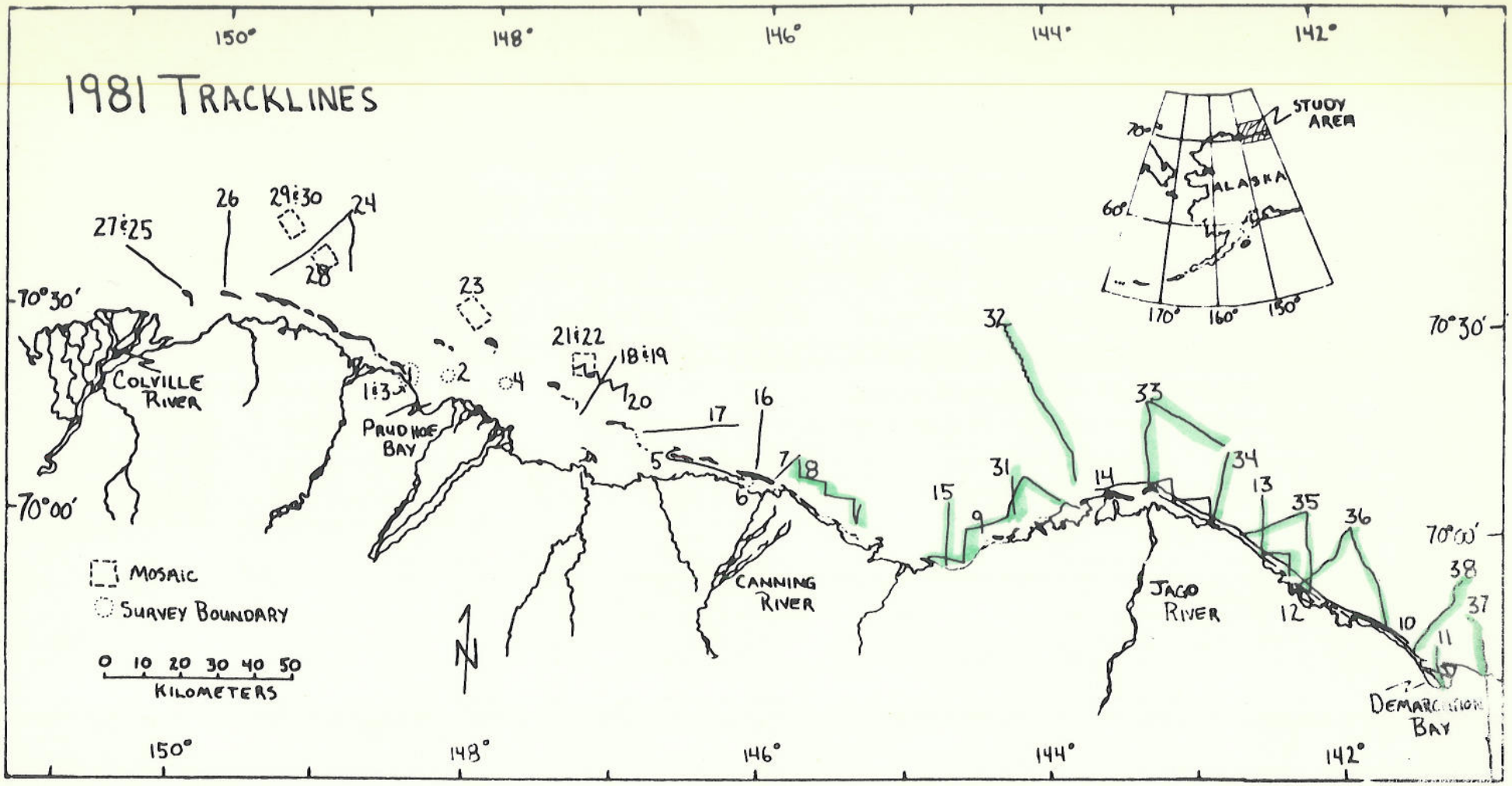


Figure 1. 1981 Tracklines

1981 tracklines used for ice gouge characteristic studies in the Barter Island Sector.

T - transitional S - smooth R - rough C - cohesive N - non-cohesive DM

# Line Number : 08 Year : 1981 ?K-1-81-AR gouge measurements in meters

| SEGMENT | Fathogram Measurements: Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Sonograph Measurements: Gouge Width | Density C D | Orientation (°T) | Sediment Cohesion | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 000 | 24.3 | — | .4 | .4 | 17 | 168/161 | 105 / 285 | R/C | .4 Km of sonar missing. Count adjusted. SSS Range 150 m |
| 001 | 22.8 | — | .8 | .9 | — | — | — | R/C | no sonar for this segment. |
| 002 | 22.1 | 27.1 | .8 | .6 | — | — | — | R/C | no sonar for this segment. |
| 003 | 21.3 | 25.5 | .4 | .5 | — | — | — | R/C | no Sonar for this segment. |
| 004 | 17.4 | 22.7 | <.2 | <.2 | — | — | — | S/N | no sonar for this segment. 4 Meter bench at start of segment (includes 1 meter shoal on crest). |
| 005 | 17.0 | 22.0 | .2 | .3 | 3 | 97/93 | 080 / 260 | S/N | .4 Km of sonar missing. Count adjusted. |
| 006 | 16.1 | 20.6 | <.2 | <.2 | 11 | 88/127 | 156/246 | S/N | 1 multi-gouge - 12 inc., 78 m, 144°T |
| 007 | 17.3 | 22.3 | <.2 | <.2 | 5 | 70/112 | 20/110 | S/N | gouge orientations are highly variable. |
| 008 | 18.0 | 23.5 | <.2 | .2 | 5 | 87/106 | 36/126 | S/N | " " " " " |
| 009 | 18.8 | 24.3 | .2 | .2 | 4 | 142/227 | 158/248 | R/C | Orientation is highly variable. 3 Multi-Gouges - 24 incs. in largest - 125 m wide - 240°T |
| 010 | 19.1 | 24.4 | .4 | .3 | 8 | 152/219 | 24/114 | R/C | |
| 011 | 19.6 | 25.3 | .4 | .5 | 7 | 175/231 | 151/241 | R/C | orientation is highly variable. |
| 012 | 20.1 | 25.3 | .5 | .7 | 5 | 169/243 | 26/116 | R/C | Orientation is highly variable. large multi gouge with 13 incisions and oriented 90°T. width = 65m. |
| 013 | 20.2 | 25.8 | .4 | .5 | 5 | 124/119 | 70/250 | R/C | sonar quality poor - many range changes. |
| 014 | 18.1 | 24.5 | .4 | .5 | 16 | 156/190 | 143/323 | R/C | orientation is highly variable. |
| 015 | 16.9 | 22.8 | .3 | .5 | 5 | 121/174 | 26/206 | R/C | 600 m of sonar missing. count adjusted. |
| 016 | 15.9 | 21.4 | <.2 | <.2 | 5 | 39/48 | 126/306 | S/N | 4 meter shoal in middle of segment. most gouging ends on offshore slope of the shoal. |
| 017 | 12.7 | 18.2 | <.2 | <.2 | 4 | 25/46 | 166/256 | S/N | |
| 018 | 13.0 | — | .2 | .2 | 10 | 42/51 | 35/125 | S/N | |
| 019 | 15.8 | — | .2 | .3 | 7 | 137/167 | 145/235 | T | orientation is highly variable. |
| 020 | 16.4 | — | .2 | .3 | 5 | 149/197 | 150/240 | R/C | orientation is highly variable. |
| 021 | 17.0 | — | .4 | .9 | — | — | — | R/C | no sonar this segment. |
| 022 | 16.9 | — | .3 | .6 | 6 | 167/240 | 23/113 | R/C | orientation is highly variable. |
| 023 | 17.8 | — | .5 | .5 | 5 | 148/213 | 23/113 | R/C | orientation is highly variable. |
| 024 | 17.5 | 22.8 | .9 | .9 | 18 | 172/187 | 136/226 | R/C | orientation is highly variable. |
| 025 | 18.2 | 24.9 | .6 | .6 | 7 | 136/148 | 45/225 | R/C | orientation is variable. |
| 026 | 17.2 | 22.5 | .7 | .5 | — | — | — | R/C | no sonar this segment. |
| 027 | 16.4 | 20.9 | .4 | .4 | 4 | 85/83 | 120/300 | T | 400 m. of sonar missing. Count adjusted. |
| 028 | 13.7 | 19.0 | .2 | <.2 | 3 | 16/17 | 128/308 | S/N | 3.5 m. shoal in middle of segment. |

Line Number : 08 Year : 1981 gouge measurements in meters

| | Fathogram Measurements | | | | Sonograph Measurements | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SEGMENT | Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Gouge Width | Density (C / D) | Orientation (°T) | Sediment Cohesion | REMARKS |
| 029 | 10.3 | 15.0 | <.2 | <.2 | 2 | 25/26 | 131/311 | S/N | a series of shoals (4-5) with gouging on crest & sand waves in troughs (λ = 1M θ = 147°T) |
| 030 | 10.6 | — | <.2 | <.2 | 3 | 21/26 | 147/327 | S/N | |
| 031 | 9.0 | — | <.2 | <.2 | 2 | 6/7 | 137/157 | S/N | |
| 032 | 10.2 | — | <.2 | <.2 | 2 | 72/83 | 40/60 | S/N | large multi-gouge (pressure ridge type?) 58 incisions, 205m wide, θ = 60°T |
| 033 | 11.9 | 15.2 | .2 | <.2 | 6 | 57/56 | 83/103 | S/N | |
| 034 | 12.3 | 18.3 | .3 | .8 | 7 | 47/49 | 49/69 | T | 3 Meter shoal at beginning of segment. Heavier gouging at seaward base. |
| 035 | 15.8 | 20.5 | .2 | .5 | 5 | 113/123 | 43/63 | R/C | orientation is highly variable. |
| 036 | 17.2 | 21.7 | | | | | | | |

Line Number : 09 Year : 1981 gouge measurements in meters

| SEGMENT | Fathogram Measurements: Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Sonograph Measurements: Gouge Width | Density | Orientation (°T) | Sediment Cohesion | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 000 | 4.1 | — | — | — | — | — | — | — | no sonar this segment. Range 150m |
| 001 | 6.1 | — | — | — | — | — | — | — | no sonar this segment. |
| 002 | 7.5 | — | — | — | — | — | — | — | no sonar this segment. |
| 003 | 8.0 | — | .2 | .2 | 6 | 57/56 | 121/221 | N ? | sonar Range : 150 m |
| 004 | 8.1 | — | .5 | <.2 | 6 | 51/49 | 117/217 | N ? | |
| 005 | 8.0 | 13.2 | .3 | .2 | 5 | 54/52 | 110/210 | N ? | secondary orientation : 130°T |
| 006 | 7.7 | 13.5 | .2 | .2 | 6 | 85/82 | 115/215 | N ? | 30 cm hole noted on both BATS AND SONAR. Other holes noted on sonar. (7 meter diameter) |
| 007 | 7.2 | 13.5 | <.2 | <.2 | — | — | — | — | no sonar this segment. |
| 008 | 6.9 | 11.5 | <.2 | <.2 | 3 | 67/96 | 153/253 | N | 250 m of sonar missing. Count adjusted. |
| 009 | 6.5 | 11.7 | .2 | .2 | 2 | 26/28 | 133/233 | N | 30 cm hole noter on BATS & SONAR. |
| 010 | 6.0 | 12.7 | .2 | .3 | 3 | 28/31 | 45/55 | N | |
| 011 | 6.2 | 11.3 | .2 | .2 | 2 | 37/38 | 51/61 | N | |
| 012 | 6.8 | 12.0 | .3 | .5 | 3 | 34/35 | 50/60 | N | SMOOTH SUBBOTTOM DIPS UNDER AN UPPER REFLECTOR (ROUGH) THAT SURFACES AT KM. 12. * |
| 013 | 7.3 | 11.0 | .3 | .5 | 4 | 37/36 | 59/69 | N | SUBBOTTOM IS very rough. |
| 014 | 8.2 | 11.1 | .2 | .3 | 7 | 34/33 | 80/90 | N | SUBBOTTOM IS VERY rough (gouge like appearance). |
| 015 | 9.1 | 12.3 | <.2 | <.2 | 5 | 25/25 | 56/66 | N | ROUGH SUBBOTTOM |
| 016 | 9.5 | 12.4 | .3 | .3 | 4 | 17/16 | 78/88 | N | ROUGH SUBBOTTOM |
| 017 | 10.5 | 13.5 | <.2 | .2 | 2 | 10/10 | 63/73 | N | ROUGH SUBBOTTOM. 200 m of sonar missing. count adjusted. |
| 018 | 11.5 | 14.5 | <.2 | .3 | 3 | 36/35 | 62/72 | N | ROUGH SUBBOTTOM. 100 m sonar missing. count adjusted. |
| 019 | 12.3 | 15.1 | <.2 | .2 | 5 | 74/118 | 21/96 | N ? | ROUGH SUB. |
| 020 | 12.7 | 14.8 | <.2 | .5 | 3 | 81/107 | 30/105 | T ? | ROUGH SUB. |
| 021 | 12.8 | 15.0 | .6 | .7 | 20 | 171/209 | 34/109 | R/C | Gouge character change. Pressure Ridge gouging at end of segment. Many larger gouges. |
| 022 | 13.0 | — | .5 | .8 | 19 | 110/233 | 169/244 | R/C | secondary orientation : 85°T |
| 023 | 13.0 | 17.7 | <.2 | .3 | 8 | 100/160 | 19/94 | R/C | Gouging becoming less intense. |
| 024 | 12.9 | 17.2 | .3 | .2 | 7 | 133/282 | 8/83 | R/C | SUBBOTTOM BECOMES FLAT AGAIN. |
| 025 | 12.8 | 17.0 | .3 | .5 | 3 | 108/229 | 10/85 | R/C | multi-gouge - 13 incisions, 95 m wide, 86°T |
| 026 | 12.7 | 16.7 | <.2 | .2 | 3 | 110/233 | 9/84 | R/C | |
| 027 | 12.5 | 16.4 | <.2 | <.2 | 4 | 103/187 | 15/90 | R/C | |
| 028 | 12.3 | 15.6 | — | — | 7 | 131/278 | 10/85 | RC | no fathogram for segment. PRESSURE RIDGE TYPE GOUGING. |

Line Number : 09 Year : 1981 gouge measurements in meters

| SEGMENT | Fathogram Measurements: Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Sonograph Measurements: Gouge Width | Density (L/D) | Orientation (°T) | Sediment Cohesion | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 029 | 12.1 | 16.5 | .3 | .3 | 10 | 75/137 | 15/90 | R/C | |
| 030 | 11.9 | 16.5 | .5 | 1.0 | 17 | 69/146 | 8/83 | R/C | |
| 031 | 12.2 | 16.2 | .5 | .9 | 3 | 108/104 | 113/113 | R/C | |
| 032 | 13.3 | 16.6 | .2 | .8 | 7 | 105/103 | 60/80 | R/C | |
| 033 | 14.0 | 17.9 | .5 | .7 | 8 | 171/168 | 61/81 | R/C | Very high gouge density but gouges are small and shallow. |
| 034 | 14.8 | 20.0 | .5 | .6 | 5 | 217/213 | 58/78 | R/C | gouges are narrow (~ 1-2m wide) |
| 035 | 15.4 | 19.9 | .3 | .7 | 8 | 263/274 | 52/72 | R/C | 400m of sonar missing. Count adjusted |
| 036 | 15.8 | 20.4 | .3 | .6 | 3 | 165/172 | 52/72 | R/C | high density gouging stops at middle of segment for no apparent reason (no shoals, etc). |
| 037 | 16.1 | 19.9 | <.2 | .3 | 7 | 58/59 | 57/77 | R/C? | |
| 038 | 16.5 | 22.3 | <.2 | .2 | 3 | 50/61 | 153/173 | R/C? | (Because they are shallow they may be covered by a transitory layer?? ) |
| 039 | 17.2 | — | <.2 | .2 | 7 | 56/58 | 51/71 | R/C? | |
| 040 | 17.9 | 22.1 | .3 | .5 | — | — | — | — | NO SONAR THIS SEGMENT. HIGH DENSITY GOUGING STARTS AGAIN AT SEG. START (NO APPARENT REASON). |
| 041 | 19.0 | 23.5 | .3 | .7 | 8 | 226/362 | 18/38 | R/C | 2 SUB BOTTOM REFLECTORS – TOP ONE APPEARS TO SURFACE AT ~ 40 Km point. * |
| 042 | 19.7 | 24.3 | .3 | .3 | 5 | 140/141 | 53/73 | S/N ? | long low shoal with little gouging on it. Probably sand and will not hold gouges. 500m Sonar missing-adj. |
| 043 | 19.0 | — | .4 | .6 | 7 | 214/216 | 123/238 | R/C | high density gouging starts again after shoal crossing. |
| 044 | 20.0 | 24.0 | .3 | .5 | 10 | 198/200 | 126/241 | R/C | END OF SONAR |
| 045 | 18.5 | 23.0 | .3 | .4 | — | — | — | — | |
| 046 | 18.2 | 22.3 | — | — | — | — | — | — | 2 meter shoal at beginning of segment |
| 047 | 18.6 | 22.1 | — | — | — | — | — | — | |
| 048 | 17.2 | — | — | — | — | — | — | — | |
| 049 | 15.3 | — | — | — | — | — | — | — | |
| 050 | 14.5 | — | — | — | — | — | — | — | 2 meter shoal at mid segment. |
| 051 | 13.9 | — | — | — | — | — | — | — | |
| 052 | 11.6 | — | — | — | — | — | — | — | |
| 053 | 12.1 | — | — | — | — | — | — | — | |
| 054 | 11.2 | — | — | — | — | — | — | — | |
| 055 | 9.5 | — | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Line Number : 13 Year : 1981 gouge measurements in meters

| | Fathogram Measurements | | | | Sonograph Measurements | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SEGMENT | Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Gouge Width | Density C / D | Orientation (°T) | Sediment Cohesion | REMARKS |
| 000 | 7.0 | 8.0 | <.2 | <.2 | 2 | 15/30 | 165/165 | N/S | course 000°T Range: 725 m |
| 001 | 8.0 | 11.0 | .2 | .3 | 2 | 48/58 | 142/142 | N/S | 2 multi gouges - 10 inc., 151°T, 32 m wide, |
| 002 | 11.3 | 17.5 | <.2 | .3 | 3 | 40/39 | 117/117 | N/S | |
| 003 | 13.8 | 23.2 | <.2 | .2 | 8 | 16/17 | 128/128 | N/S | |
| 004 | 16.1 | 24.0 | .2 | .2 | 12 | 45/44 | 97/97 | N/S | |
| 005 | 18.1 | 27.0 | .3 | .4 | 9 | 105/102 | 100/100 | T ? | orientations are variable |
| 006 | 20.0 | 28.4 | .5 | .8 | 7 | 160/158 | 113/113 | C/R | multi gouge - 8 inc., 016°T, 25 m wide. |
| 007 | 21.4 | — | .8 | .5 | 10 | 166/164 | 113/113 | C/R | |
| 008 | 23.1 | — | 1.2 | 1.0 | 7 | 124/123 | 112/112 | C/R | 3 small multi gouges |
| 009 | 24.1 | — | 1.5 | 1.2 | 15 | 114/113 | 115/115 | dR | many deep gouges (1.0m +) |
| 010 | 26.8 | 31.8 | 1.3 | 1.4 | 10 | 125/135 | 128/128 | C/R | different sub bottom reflector. |
| 011 | 28.5 | 34.9 | 3.0 | 1.5 | 10 | 104/112 | 128/128 | C/R | 5 gouges over 2 m deep. |
| 012 | 29.9 | 35.6 | 2.8 | 2.6 | 10 | 122/121 | 117/117 | dR | deepest incision and highest ridge are the same gouge (5.4 m relief) |
| 013 | 33.3 | 36.5 | 1.0 | .8 | 13 | 93/94 | 121/121 | C/R | gouges become much smaller than previous segments. |
| 014 | 34.9 | 37.7 | 1.3 | 1.1 | 17 | 100/101 | 118/118 | T ? | |
| 015 | 35.2 | 39.2 | .9 | .7 | 17 | 115/124 | 129/129 | N/S | gouges are wider and very subdued on sonar. |
| 016 | 34.8 | — | | | | | | | |

Line Number : 15 Year : 1981 gouge measurements in meters

| SEGMENT | Fathogram Measurements: Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Sonograph Measurements: Gouge Width | Density E/P | Orientation (°T) | Sediment Cohesion | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 000 | 6.4 | — | .5 | .4 | 5 | 49/68 | 32/35 | S N | Wet paper, range 125m |
| 1 | 7.8 | — | .4 | .3 | 15 | 24/31 | 34/37 | S N | |
| 2 | 8.2 | — | .3 | .2 | 15 | 36/55 | 23/26 | S N | |
| 3 | 8.5 | — | .2 | .2 | 12 | 62/86 | 36/39 | S N | |
| 4 | 9.3 | — | .2 | .2 | 7 | 48/52 | 52/55 | S N | |
| 5 | 10.0 | — | .2 | .2 | 6 | 33/33 | 65/68 | S N | |
| 6 | 10.7 | — | .2 | .2 | 4 | 50/49 | 70/73 | S N | |
| 7 | 11.6 | — | .2 | .2 | 5 | 80/102 | 36/39 | R C | (interpolate density) |
| 8 | 12.3 | — | .6 | .5 | 8 | 44/43 | 100/103 | R C | |
| 9 | 13.3 | — | .7 | .7 | 12 | 44/43 | 80/83 | R C | |
| 10 | 14.2 | — | .5 | .4 | 3 | 44/43 | 80/83 | R C | |
| 11 | 14.5 | — | .6 | .8 | 6 | 72/99 | 150/153 | R C | |
| 12 | 16.3 | — | .6 | .9 | 7 | 125/135 | 130/133 | R C | |
| 13 | 16.8 | — | .8 | .5 | 10 | 138/149 | 130/133 | R C | |
| 14 | 18.0 | — | .7 | 1.1 | 12 | 117/118 | 58/61 | R C | |
| 15 | 19.0 | — | .6 | .7 | 8 | 112/113 | 120/123 | R C | |
| 16 | 19.8 | — | .6 | .7 | 8 | 77/75 | 70/73 | R C | |
| 17 | 21.0 | | | | | | | | |

Line Number : 31 Year : 1981 gouge measurements in meters

| | Fathogram Measurements | | | | Sonograph Measurements | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SEGMENT | Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Gouge Width | Density ε/β | Orientation (°T) | Sediment Cohesion | REMARKS |
| 000 | 24.2 | — | 1.2 | 1.7 | 12 | 128/123 | 106/096 | R/C | Range: 150m |
| 001 | 23.2 | — | 1.4 | 1.0 | 6 | 170/167 | 094/084 | R/C? | 6m bench (gouging heavier to seaward) |
| 002 | 18.4 | — | .8 | .5 | 6 | 80/77 | 100/090 | T? | |
| 003 | 17.1 | — | .4 | .5 | 3 | 57/55 | 070/060 | S/N | Sediment waves (ripples) λ= 6 meters θ= 144°T |
| 004 | 17.0 | — | .2 | .2 | 7 | 81/79 | 063/053 | S/N | |
| 005 | 17.0 | — | .4 | .3 | 5 | 106/102 | 075/065 | T? | |
| 006 | 16.2 | — | .3 | .5 | 4 | 102/98 | 080/070 | R/C? | |
| 007 | 15.3 | — | .4 | .9 | 6 | 53/53 | 092/082 | R/C | |
| 008 | 14.2 | — | .3 | .3 | 7 | 48/47 | 086/076 | T? | |
| 009 | 13.1 | — | | | | | | | |

# Line Number : 32 Year : 1981

gouge measurements in meters

| SEGMENT | Fathogram Measurements: Water Depth (meters) | Reflector "A" | Gouge Depth | Ridge Height | Sonograph Measurements: Gouge Width | Density C/D | Orientation (°T) | Sediment Cohesion | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 000 | 65.6 | — | — | — | — | 0/0 | — | N | Possible sand waves. Very SUBDUED. θ=116°T Range 150m.* h=<20 cm λ=3M |
| 001 | 64.2 | — | — | - | - | 0/0 | - | N | Possible sand waves and ripples. θ=118°T h=<20CM λ=3M |
| 002 | 57.3 | — | .5 | .7 | 11 | 12/13 | 137/102 | S/N | Range change to 200m. Possible shelf edge at * midsegment. Probably granular sediments. |
| 003 | 53.6 | — | 1.1 | .8 | 13 | 42/44 | 131/96 | S/N | Gouges are large but subdued on sonar (sand+gravel) Most gouges are wide (>5m). |
| 004 | 54.3 | — | .8 | .5 | 8 | 41/41 | 125/90 | S/N | |
| 005 | 54.2 | — | 1.1 | .4 | 15 | 57/62 | 134/99 | S/N | |
| 006 | 53.5 | — | 1.2 | .7 | 18 | 59/58 | 120/105 | S/N | |
| 007 | 54.0 | 59.0 | 1.3 | .7 | 19 | 48/52 | 136/104 | S/N | 1st subbottom reflector appears midway through segment 6-7. |
| 008 | 54.5 | 58.3 | 2.5 | 1.3 | 35 | 61/70 | 140/120 | S/N | 350m of sonar missing, count adjusted. |
| 009 | 54.3 | — | 2.5 | .5 | — | — | 135/115 | S/N | no sonar this segment. |
| 010 | 54.7 | — | 2.5 | .6 | 22 | 51/59 | 140/120 | S/N | some BATS missing |
| 011 | 55.0 | — | 2.0 | 1.3 | 18 | 46/48 | 131/111 | S/N | |
| 012 | 54.5 | 60.0 | 1.6 | 1.1 | 26 | 40/40 | 123/103 | S/N | 2 SUBBOTTOM REFLECTORS. |
| 013 | 54.7 | 59.3 | 1.5 | .8 | 40 | 32/32 | 127/107 | S/N | |
| 014 | 53.5 | 60.0 | 2.1 | 1.2 | 67 | 40/40 | 123/103 | S/N | |
| 015 | 52.8 | 58.0 | 3.0 | 1.3 | 27 | 41/43 | 131/111 | S/N | |
| 016 | 53.3 | 56.5 | 2.1 | 1.0 | 25 | 44/44 | 124/104 | S/N | upper reflector surfaces at mid segment. |
| 017 | 53.4 | — | 1.3 | .7 | 21 | 39/41 | 129/109 | S/N | gouges become much smaller at this point. |
| 018 | 51.7 | 56.0 | 1.0 | .8 | 22 | 48/48 | 127/107 | S/N | 2nd sub bottom reflector. |
| 019 | 51.2 | 54.1 | 1.0 | .5 | — | — | — | S/N | no sonar this segment. 3rd Reflector begins this segment. |
| 020 | 49.7 | 53.6 | 2.0 | 1.1 | — | — | — | S/N | 2nd reflector surfaces at mid segment. |
| 021 | 47.3 | 53.8 | 1.5 | .8 | 32 | 72/88 | 144/109 | S/N | |
| 022 | 47.7 | 54.0 | .6 | .6 | 15 | 78/85 | 134/99 | S/N | |
| 023 | 46.3 | 52.0 | 1.1 | .8 | 15 | 85/93 | 135/100 | S/N | |
| 024 | 45.5 | 50.4 | 1.4 | .6 | 20 | 76/79 | 132/97 | S/N | |
| 025 | 43.5 | 49.8 | — | — | 23 | 94/102 | 133/98 | S/N | NO FATHOGRAM THIS SEGMENT. 3rd Sub bottom reflector surfaces. |
| 026 | 43.6 | — | 1.3 | 1.4 | 39 | 93/101 | 134/99 | S/N | |
| 027 | 43.0 | — | 2.3 | .7 | 34 | 126/137 | 135/100 | S/N | Large Multi-gouges |
| 028 | 41.5 | — | 1.8 | 1.9 | 11 | 114/131 | 140/105 | S/N | |