Dredge № 8

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Dredge № 8

100' x 50'-7½" x 9' Deep

Thaw W/O

N.T.

Stripping W/O

N° 82-81	3/4 Remainder	=	17646 Cubes
81-80	4/4	=	15200
80-79	1/4	=	9210
79-78	1/4	=	12613
	Total	=	54669

Dredge No 8. May 196-

Started May 2 - 3:05 pm.

Dredge Operated 30 Days. - 29 day for depth.
dug 623 hrs. 10 min. = 25.97 days = 86.55%
lost 96 hrs 50 min = 4.03 = 13.45%

Avg Hgt Bank = 1.7 Ft.
Depth. = 19.6
Total = 21.3

(7.0)

Surface: 6257 − 5559 = 698 ✓ ; 6964 − 6264 = 700 ✓ ; 699 × 17.67 = 12,351

Bedrock: 7722 − 7042 = 680 ✓ ; 8423 − 7745 = 678 ✓ ; 679 × 17.67 = 11,998

24,349

Avg. Area: 12,175 Sq. Yards

$12{,}175 \times \frac{7.1}{21.3} = 86{,}443$ Cu. Yards.

$\frac{86.443}{30} = 2881$ Cu. Yards per day elapsed time

$\frac{86.443}{25.97} = 3329$ running

Pond elev. 1695.4
Claims dredged 9 Below Sulph.
Area 2.55 Acres
Avg length of Cut 210'
width 220'

12351 / 9 = 1116 ; 11998 / 9 = 10798 ; 12175 / 9 = 10957

Thaw W/O

N.) - Hat. Thaw.

Strip W/O

x² 80-79	-	5/6 Remainder	= 3695 Cu Yds.
- 79-78	-	5/6 ✓	= 4040 ✓
- 78-77	-	1/2 ✓	= 3282 ✓
			Total = 10917 ✓

Dredge N° 8. June 196

Dredge operated 30 Days
dug 651 hrs. 50 min = 27.16 days = 90.532
lost 68 10 = 2.84 = 9.47%
Avg Ht. Bank = 1.9 Ft.
Depth. = 20.2 (20.0)
Total = 22.1

Surface :	9175 − 8043 = 1132	1316 − 0185 = 1131
Bedrock :	2485 − 1378 = 1107	3661 − 2552 = 1109

1132 × 17.67 = 20,002 Sq. Yds

1108 × 17.67 = 19578

2 | 39,580

Avg. Area : 19,790 Sq. Yds

$\frac{145786}{3}$ = 145786 Cu. Yds

$\frac{145786}{30}$ = 4860 Cu. Yds per day elapsed time

$\frac{145786}{27.16}$ = 5368 running

Pond Elev = 1691.2
Claims dredged = 9 & Below Tulsh.
Surface area = 4.13 Acres
Avg. width = 200 Ft.
Length = 820

20002	19578	19790
9	9	9
180018	176202	178110

Thaw W/O

Nil - Natural Thaw

Strip W/O

XD 80-79 - 1/2 Remainder = 307 Cu Yds.

79-78 - 2/3 " = 1606 "

78-77 - 5/6 " = 2735 "

77-76 - 2/3 " = 4384 "

76-75 - 2/3 " = 4760 "

Total = 13706 Cu Yds

Dredge #: 8 July 1962

Dredge operated 31 days
Avg 683 hrs. 25 min = 28.48 days = 91.86%
Lost 60 - 35 = 2.52 - = 8.14%
Avg Dist Bank - 3.4 Ft.
Depth - 20.0 ✓ (5.0)
Total - - 23.4 ✓

Surface - 5137 / 6614
-3720 / -5200
1417 / 1414 /

1416 × 17.67 = 25021 Sq. Yards

Bedrock - 9541 / 3769
-8141 / -2365
1400 / 1404 /

1402 × 17.67 = 24,773
2 | 49,794

Avg. Area 24,897 Sq. Yards.

24,897 × 23.4 / 3 (7.8) = 194,196 Cu. Yards

194,196 / 31 = 6263 Cu. Yards per day elapsed time.

194,196 / 28.48 = 6819 " " " running "

Pond Elev - 1691.2
Claims dredged - 25-9-4 Below Sulph.
Surface area - 5.17 Acres
Avg width - 220 Ft.
length - 1015 ✓

25021 / 9 = 22189
24773 / 9 = 22197
24897 / 9 = 24073

Thaw W/O

Nil

Strip W/O

X² 78-77	- 4/5 Remainder	= 4380	Cu Yds.
77-76	- 4/5 - "	= 17552	"
76-75	- 5/6 "	= 19620	"
75-74	- 1/4 "	= 18788	"
74-73	- 1/4 "	= 19486	"
		Total = 79856	"

Dredge № 8

Aug 1962

Dredge operated 31 days
- Aug 671 hrs. 20 min = 27.97 day = 90.23%
- lost 72 - 40 - = 3.03 - = 9.77%

Avg Wet Bank = 2.8 Ft.
- Depth = 19.0 -
Total - = 21.8 -

(5.0)

Surface: 2965 − 1680 = 1285 ✓ ; 4263 − 2965 = 1298 ✓

Bedrock: 5552 − 4258 = 1294 ✓ ; 6834 − 5552 = 1282 ✓

1291 × 17.67 = 22812 Cu. Yds

1288 × 17.67 = 22759

45471

Avg Area = 22786

22786 × 21.8 / 3 = 165578 Cu. Yds

165578 / 31 = 5341 Cu. Yds. per day elapsed time

165578 / 17.97 = 9220 - - running -

Pond Key = 1686.8
Claims dredged = 92A Below Tulsh.
Surface Area = 4.71 Acres.
Avg Width = 220 Ft
Length = 900 -

22812	22759	22786
9	9	9
205308	204831	205074

Thaw W/O

Nil

Strip W/O

X^n 75-74	- 3/4 Remainder	=	42276 Cu Yds
74-73	- 3/4 "	=	44444 "
73-72	- 1/10 "	=	8118 "
		Total	= 94839

Dr. #8 Sept 1962

Dredge operated 20 days
Avg 666 hrs. 40 min = 27.78 days 92.5%
lost 3 20 = 2.22 7.4%
Avg Max Depth = 3.3 Ft.
Depth = 20.0
Total = 23.3 (5.0)

Surface - 9940 − 8691 = 1249 ; 1198 − 9940 = 1258 ; 1254 × 17.67 = 22158 Sq. Yds.

Bedrock - 2544 − 1296 = 1248 ; 3790 − 2544 = 1246 ; 1247 × 17.67 = 22034

22158 + 22034 = 44192

Avg Area = 22096

22096 × 23.3 / 3 = 171612 Cu Yds.

171612 / 30 = 5720 Cu. Yds per day elapsed time

171612 / 27.78 = 6178 running

Pond Elev - 1685.4
Claims dredged - 9 A Below Sulph.
Surface area - 4.58 Acres
Avg width - 215 Ft.
Length - 900

22158 × 9 = 199422
22034 × 9 = 198306
22096 × 9 = 198864

Thaw W/o

Block N= 43 - 1/2 Remainder = 8197 Cu Yds.

Strip W/o

x² 75-74 - 1/2 Remainder = 7046 Cu Yds.

74-73 - 7/8 " = 9342 "

73-72 - 3/5 " = 43839 "

72-71 - 3/5 " = 48957 "

Total = 109184 "

Dredge № 8 October 19--

Dredge operated 31 days
Avg 684 hrs. 15 min = 28.51 days = 91.97 %
Lost 59 - 45 - = 2.09 - = 8.03 %
Avg Hgt Bank = 4.0 Ft.
Depth = 21.3 .
Total - = 25.3 .

(25.3)

Surface

4959	6201
-3774	-5020
1185	1181

1183 x 17.67 = 20,904 Sq. Yards

Bedrock

7382	8593
-6237	-7445
1145	1148

1147 x 17.67 = 20,268

2 | 41,172 Sq. Yards

Avg. Area. = 20,586 Sq. Yards

$\frac{20,586 \times 25.3}{27} = 173,610$ Cu. Yards

$\frac{173,610}{31} = 5,600$ Cu. Yds per day elapsed time

$\frac{173,610}{28.51} = 6,089$ " " " " running

Pond Elev - 1687.1
Claims dredged - 9-A-93
Surface area - 4.3 Acres.
Avg Width - 20 Ft.
Length 960 .

0900	0968	0986
9	9	9
18836	18412	18874

Thaw W/O

N.I. - Nat. Thaw.

Strip W/O

X² T3-T2 - 1/2 Remainder = 14614 Cu Yds.

T2-T1 - 1/2 " = 16320 -

Total = 30934

Drt #8 - Final November 1962

Shut down Nov 22 - 8:00 AM

Dredge operated 21 days 20 days for depth

- dug 417 hrs 20 min = 17.39 days = 82.80%
- lost 86 - 40 - = 3.61 - = 17.20%

Avg Hgt Bank = 11.0 Ft.

- Depth = 21.0 -

Total = 25.0 - (25.0)

Surface

631 − 132 = 499 ✓

1184 − 683 = 501 ✓

500 × 17.67 = 8,835 Sq. Yards.

Bedrock

1671 − 1180 = 491 ✓

2200 − 1710 = 490 ✓

491 × 17.67 = 8,676 " "

= 17,511 Sq. Yards

Avg. Area = 8,755 Sq. Yards

$\frac{8,755 \times 25.0}{3}$ (8.34) = 73,017 Cu. Yards.

$\frac{73,017}{21}$ = 3,477 Cu. Yds per day elapsed time,

$\frac{73,017}{17.39}$ = 4,199 " " " " running "

Pond Elev — 100

Chains dredged — 9.A.93 Bel. Suffolk.

Surface area — 1.83 Acres.

Avg width — 230 Ft.

" Length — 360 "

8835 / 9 = 7951

8676 / 9 = 7808.4

8755 / 9 = 7879.5

Thaw w/o

Nil - Nat. Thaw

Strip w/o

Xn 71-72 - 500 Cu Yds. assumed.

Dredge № 8 April 1963

Started Apr. 29 - 8:00 AM

Dredge operated 2 days
" Bug 47 hrs 40 min = 1.90 days = 95.14 %
" lost " 20 " = 0.10 " = 4.86 %
Avg Hgt Bank = 1.0 Ft.
" Depths = 21.0 "
Total " = 22.0 " (6.0)

Area = 2477 Sq Ft. = 273 Sq. Yds - Assumed

Total Cu. Yds. assumed = 2000 To be deducted from May yds

2000 / 2 = 1000 Cu. Yds. per day elapsed time

2000 / 1.90 = 1013 " " running "

Claims dredged - 93 Below Sulph.

Thaw N/O

Nil - Not Thaw.

Strip N/O

X2	70-69 - 1/5- Remainder	=	16246 Cubic
	71-70 - 1/5- "	=	16367 -
	72-71 - 1/5- Remainder	=	3164 -
	73-72 - 1/5- Remainder	=	2923 -
		Total	= 38700 -

Deduct 2000 Cu. Yds (Approximated yds) from May yds

Dredge #8 May 1963

Dredge operated 31 days
- dug 662 hrs. or min. = 27.59 days = 88.99 %
- lost 81 - " - = 3.41 - = 11.01 %
Avg Hgt Bank = 2.5 Ft.
- Depth = 19.4 -
Total - = 21.9 - (1.3)

Surface - 1396 − 0517 = 879 / 2279 − 1396 = 883 / 881 x 17.67 = 15567 / 15 Yds.
- 273
15294

Bedrock - 3149 − 2279 = 870 / 4002 − 3140 = 862 / 4866 − 4002 = 864 / 863 x 17.67 = 15249
- 273
14976
Avg Area = 30270 / 15135 Sq. Ft.
7.3
15135 x 21.9 / 3 = 110485 Cu. Yds
- 2000
108485

108485 / 31 = 3500 Cu. Yds. per day elapsed time

108485 / 27.59 = 3932 / - - running -

Pond Flow - 1685 c
Claims dredged - G-A-93 Below Talbot.
Surface area - 3.16 Acres
Avg width - 230 Ft.
Length - 630

15294 / 9 = 137646 / 14976 / 9 = 134784 / 15135 / 9 = 136215 /

Thana W/O

Nil

Strip W/O

X268-69 - Written off

69-70 - W/S Remainder = 2934 Cubic

70-71 - W/S - = 2166 -

Total = 5100 -

Dredge #8 June 1963

Dredge operated 30 days. (29 days for depth)
- dug 639 hrs 05 min = 26.63 days = 88.76 %
- lost 80 - 55 - = 3.37 - = 11.24 %
Avg Mat Bank = 3.6 Ft. (5.6) Time in F.G. = 0.96 days
- Depth = 18.7 - = 0.03 % of Elapsed Time
Total - = 22.3 - = 0.04 % - Running -

Surface - 5395 / 4333 / 1062 — 6459 / 5395 / 1064 — 1063 × 17.67 = 18783 Sq. Yds.

Bedrock - 7540 / 6467 / 1073 — 8610 / 7540 / 1070 — 1072 × 17.67 = 18942

Avg Area (18942 + 18863) / 2 = 18902.5

$\frac{18902.5 \times 22.3}{3}$ = 140222 Cu. Yds.

$\frac{140222}{30}$ = 4674 Cu. Yds. per day elapsed time

$\frac{140222}{26.63}$ = 5265 - - running -

Pond Filter - 1685.1
Clams dredged - 93 Bal. Sulph.
Surface area - 3.88 Acres
Avg width - 250 Ft.
- Length - 675 -

18783 / 9 = 169047
18942 / 9 = 170478
18863 / 9 = 169767

Thaw W/O

Block #43 - Remainder = 32788 Cu Yds

Strip W/O

Xs 69-70 - Remainder = 39069 Cu. Yds.

70-71 - " = 39281 "

71-72 - " = 12655 "

72-73 - " = 11692 "

73-74 - " = 4671 "

74-75 - " = 7044 "

75-76 - " = 3927 "

Total = 118340 "

Dredge N° 8 July 1963

Dredge operated 31 days
- dug 687 hr. 30 min = 28.6 days = 92.41 %
- lost 56 - 30 - = 2.3 - = 7.59 %
Avg Hgt Bank = 3.3 Ft.
- Depth = 20.1 - (17.7)
Total - = 23.4 -

Time in F.G. = 0.46 days = 1.48 %

Surface - 9700 8460 1240 / 0937 9700 1237

1239 × 17.67 = 21893 Sq. Yds.

Bedrock - 2232 0940 1292 / 3524 2232 1292

1297 × 17.67 = 22918
- 4481 1

Avg Area = 22406

22406 × 7.8 / 3.4 = 174766 Cu. Yds.

174766 / 31 = 5638 Cu. Yds. per day elapsed time

174766 / 28.6 = 6100 - - running

Pond Elev - 1688.4
Claims dredged - 92A-93 Bel. Sulph.
Surface area - 4.32 Acres
Avg width - 150 Ft.
- Length - 1160 -

21893 / 9 = 197037

22918 / 9 = 206262

22406 / 9 = 201654

Thaw K/O

Block # 140 — 85 x 120 x 21.0 / 27 = 7933 Cu. Yds.

21.0

Strip K/O

x2 87-76 - Remainder of Inventory = 54241 Cu. Yds

plus 88-87 = 6832 -

Total = 61073 -

Dredge № 8 August 1913

Dredge operated 31 days
- dug 699 hrs. 20 min = 29.14 days = 94.00%
- lost 44 - 40 - = 1.86 - = 6.00%
Avg Hgt Bank = 22.3 Ft.
- Depth = 23.2 -
Total - = 25.8 (8.5) Time in Ft. = 2.1

Surface - $\frac{6436}{5389}{}_{1047}$ $\frac{7291}{6436}{}_{106}$ $\frac{8545}{7201}{}_{1044}$ 1046 x 17.67 = 18483 Sq. Yds.

Bedrock - $\frac{9600}{8228}{}_{1042}$ $\frac{0670}{9600}{}_{1070}$ 1046 x 17.67 = 18483 -

Avg Area = 18483 -

$$\frac{18483 \times 25.8}{3} = 158954 \text{ Cu. Yds.}$$

$\frac{158954}{31}$ = 5128 Cu. Yds. per day elapsed time

$\frac{158954}{29.14}$ = 5455 - - running -

Pond Elev. - 1693.1
Claims dredged. - 90-91-92-93 A Below Sulph.
Surface Area - 3.82 Acres
Avg Width - 140 Ft.
- Length - 1200 -

18483 × 9 = 166347

Thaw W/O

Block # 140 - Remainder = 44427 Cu Yds

- # 139 - " = 48084

210

Total = 92511

Strip W/O

X-Cut 88-97 - Remainder = 83229 Cu Yds

Dredge No 8 - September 1663

Dredge operated 30 days
Dug 66 hrs 0 min = 27.7 days = 92.5 %
Lost 24 " 0 " = 2.7 " = 7.5 %
Avg Hyt Dash = 2.7 Ft.
Depth = 22.7 " (7.7) Ft. = Min
Total " = 25.4 "

Surface - 1181 / 0234 / 947 / 1137 / 1181 / 926 /

947 x 17.67 = 16804 Sq. Yds

Bedrock - 3077 / 2124 / 953 / 4020 / 3077 / 943 /

948 x 17.67 = 16751 / 33.333

Avg. Area = 16778

16778 x 8.47 / 3 = 142109 Cu. Yds

142109 / 30 = 4737 Cu. Yds. per day elapsed time

142109 / 27.71 = 5121 " " running "

Pond Elev. - 1704.4
Claims dredged - 88-89-90 BLD
Surface area - 3.47 Acres
Avg width - 170 Ft.
Length - 880 "

16804 / 9 / 151236 / 16751 / 9 / 150759 / 16778 / 9 / 151002 /

Thaw W/O

Blk #137 - Remainder = 6r999 Cu Yds

- #135 - - = 4333 -

Total 10933 -

Strip W/O

Nº 97-107 Incl - Remainder = 11>649 Cu Yds

Dredge № 8 October 1963

Dredge operated 31 days
" dug 672 hrs. 55 min = 28.04 days = 90.45 %
" lost 71 " 05 " = 2.96 " = 9.55 %
Avg Hgt Bank = 2.3 ft.
" Depth = 22.3 "
Total " = 24.6 "

(8.3) F.G. Nil

Surface
7205 − 6149 = 1056
8315 − 7258 = 1057
1057 × 17.67 = 18677 Sq. Yds.

Bedrock
9340 − 8280 = 1060
2092 − 1032 = 1060
1060 × 17.67 = 18730
37407
Avg Area = 18704

18704 × 24.6 / 3 = 153373 Cu. Yds.

153373 / 31 = 4948 Cu. Yds. per day elapsed time

153373 / 28.04 = 5470 " " running "

Pond Elev = 1706.0
Claims dredged = 86A-87A-88
Surface area = 3.86 Acres
Avg width = 160'
" Length = 1050'

18677 × 9 = 168093
18730 × 9 = 168570
18704 × 9 = 168336

Thaw W/O

Block #133 - Remainder = 48478 Cu. Yds

Strip W/O

X-cut 107-108 - Remainder = 2468 Cu. Yds

108-109 - " = 8781 "

109-110 - " = 8994 "

110-111 - " = 7794 "

111-112 - 1/2 " = 863 "

Total = 31700 "

Dredge N° 8 — November 1923

Shutdown Nov 16 - 8.00 PM.

Dredge operated 15 days
- dug 320 hrs. 25 min = 13.35 days = 89.00 %
- lost 39 - 35 - = 1.65 - = 11.00 %

Avg Max Depth = 3.0 Ft.
- Depths = 21.25 (7.2) F.G. - Nil
Total - = 24.25 -

Surface	6548 − 6185 = 363	6938 − 6571 = 367	365 × 17.67 = 6450 Sq. Yds.
Bedrock	7364 − 7002 = 362	7762 − 7396 = 366	364 × 17.67 = 6432
			12882
			Avg Area = 6441

2147

6441 × 24.25 / 3 = 51957 Cu. Yds.

51957 / 15 = 3464 Cu. Yds. per day elapsed time

51957 / 13.35 = 3892 " " running -

Pond Elev - 1707.5
Claims dredged - 86-86A Bel. Disc.
Surface Area - 1.33 Acres
Avg width - 150 Ft.
- Length - 410 -

6450	6432	6441
9	9	9
58050	57888	57969

thaw W/O

Block #131 - 95 x 260 x 19.5 / 27 = 17839 Cu.Yds.
19.5

Strip W/O

X-S 111-112 - Remainder = 864 Cu.Yds.

112-113 - " = 4839 "

113-114 - " = 1408 "

[illegible] = [illegible] "

Total = 7111 "

Dredge N: 8 — May 1964

Started May 6 - 8:00 A.M.

Dredge operated 26 days - 26 for depth
- Avg run hrs. 3r min = 22.69 days = 87.27 %
- lost 179 - 7r - = 3.31 - = 12.73 %
Avg Hot Bank - 3.8 Ft.
- Depth = 17.6 -
Total - = 21.4 - (4.3) F.G. 14.94 days

Surface - 3896 / 3676 / 220 ; 4123 / 3890 / 233 ; 4371 / 4123 / 248 ; 230 x 17.67 = 4064 Sq. Yds.

Bedrock - 4546 / 4337 / 211 ; 4757 / 4546 / 211 ; 211 x 17.67 = 3728 ; 2 / 7792

Avg Area = 3896

$3896 \times \frac{21.4}{3} = 27778$ Cu. Yds.

$\frac{27778}{26} = 1068$ cu. yds. per day elapsed time.

$\frac{27778}{22.69} = 1224$ - running

Pond Filler. 1711.2
Claims dredged - 85-A-86 Below Tulsh
Surface area 0.84 Acres
Avg width - 135 Ft.
- Length - 260 -

4064 / 9 = 3576 ; 3728 / 9 = 3392 ; 3896 / 9 = 3064

Thaw W/O

Block #131 - Remainder = 19474 Cu.Yds.

- #129 - - = 4963 -

- #127 - $\frac{170 \times 170 \times 18.5}{27}$ = 17477 -

Total = 86577

Strip W/O

X2 114 - 115 - Remainder = 5327 Cu.Yds

115 - 116 - = 17000 -

116 - 117 - = 5486 -

117 - 118 - = 5050 -

118 - 119 - = 3014 -

119 - 120 - = 2148 -

120 - 121 - = 1161 -

121 - 122 - = 7420 -

122 - 123 - = 5378 -

Total = 49283 -

Dredge № 8 June 1964

Dredge operated 30 days
- dug 668 hrs. 40 min = 27.86 days = 92.87 %
- lost 1 - 80 - = 2.14 - = 7.13 %
Avg Hgt Bank = 2.3 Ft.
Depth = 17.4 (4.)
Total = 19.7 8.12 days in F.G.

Surface - 5844/50.6/788 6433/5844/789 789 x 17.67 = 13942 Sq. Yds.

Bedrock - 7400/6614/785 8180/7400/780 783 x 17.67 = 13836

13778

Avg Area = 13889

$\frac{13889 \times 19.7}{3} = 91251$ Cu. Yds.

$\frac{91251}{30}$ = 3042 Cu. Yds. per day elapsed time

$\frac{91251}{27.86}$ = 3275 - - running -

Pond Flow - 1713.8
Claims dredged - 84-85-85A Below Tulsh.
Surface area - 2.88 Acres
Avg. Width - 130 Ft
Length - 975

$\frac{13942}{9}$ 1549.78 $\frac{13836}{9}$ 1537.4 $\frac{13889}{9}$ 1543.001

Thaw W/O

Block #173 - Remainder = 40574 Cu Yds.

#175 - = 57411

#173 - = 33743

#171 - $\frac{330 \times 1170 \times 20.8}{27}$ = 38133

Total = 166311

Strip W/O

X-Sec 173 to 138 Incl = 109038 Cu. Yds.

Dredge № 8 July 1964

Dredge operated 31 days
dug 680 hrs. 40 min = 28.36 days = 91.49 %
lost 63 - 20 - = 2.64 - = 8.51 %
Avg Max Bank - 21 Ft.
- Depth - 15.4 - (4.0) F.G. = 4.79 days
Total - - 17.5 - -

Surface - 8810 / 7390 / 1420 — 0235 / 8810 / 1425
1423 x 17.67 = 25144 Sq. Yds.

Bedrock - 1669 / 0265 / 1404 — 3064 / 1669 / 1395
1400 x 17.67 = 24738
25 | 4988
Avg Area = 24941
24941 x 17.5/3 = 145406 Cu. Yds.

145406 / 31 = 4691 Cu. Yds. per day elapsed time

145406 / 28.36 = 5127 - - running -

Pond Elev - 1723.
Claims dredged - 81A-82-83-84 Below Sulph.
Surface area - 5.20 Acres
Avg Width - 160 Ft.
- Length - 1410 -

25144 / 9 = 22796
24738 / 9 = 22642
24941 / 9 = 22469

Thaw W/O

Block No 111 - Remainder = 32490 Cu Yds

" 113 - " = 79740 -

" 115 - " = 41798 -

" 117 - " = 57955 -

" 119 - " = 61422 -

" 121 - " = 11341 -

Total = 280751 -

Strip W/O

X² 138 to 163 incl = 119966 Cu Yds.

Dredge № 8 — August 1964

Dredge operated 31 days
- dug 679 hrs. 55 min = 28.33 days = 91.39 %
- not 64 - 01 - = 2.67 - = 8.61 %
Avg Hgt Bank = 2.9 Ft.
- Depth = 12.8 - (4.9) Time in F.G. = 0
Total - = 15.7 -

Surface - 7310 / 3906 / 1924 — 7041 / 7130 / 1911 — 8955 / 7041 / 1914 — 1913 × 17.67 = 33803 Sq. Yds.

Bedrock - 0745 / 8913 / 1858 — 2650 / 0765 / 1885 — 4135 / 2650 / 1885 — 1885 × 17.67 = 33308 — (67111)

Avg. Area = 33956

5.23
33956 × 15.7 / 3 = 175498 Cu. Yds.

175498 / 31 = 5661 Cu. Yds. per day elapsed time

175498 / 28.33 = 6195 - - running -

Pond Eler 1740.1
Claims dredged - 77-78-79-80-81-81A Sulph
Surface area - 6.98 Acres
Avg width - 175 Ft.
- Length - 2222

33803 / 9 / 304227

33308 / 9 / 299772

33956 / 9 / 302004

Thaw W/O

Nil

Strip W/O

X-2163 - 18-rincl = 88819 Cu Yds.

Dredge № 8 September 1964

Dredge operated 30 days
Dug 631 hrs 55 min = 26.5 days = 88.3%
Lost 84 - 05 - = 3.50 = 11.6%
Avg Dist Bank = 1.5 Mi
Depth = 13.6 ft (3.4) Time in FG = 5.99 days
Total = 151

Surface - 2240 x 125 = 280000 Sq Ft.

Bedrock - 2240 x 100 = 280000 -

Avg Area = 280000

280000 x 27 / 27 = 1036 Cu. Yds

1036 / 30 = 3450 Cu. Yds. per day elapsed time

1036 / 26.50 = 5909 - - running

Pond Eleven
Claims dredged - 73 H-74-74A-75-76-77
Surface area - 6.43 Acres.
Avg width - 125 ft
- Length - 2240

280000 Sq Ft

Trans. W/O

No. 1

Strip. W/O

X-ray 183 Lo Bar Iron = 1108-7 Cu. Yds.

Dredge #8 October 1964

Dredge operated 31 days
- dug 664 hrs. 10 min = 27.67 days = 89.27 %
- lost 79 - 50 - = 3.33 - = 10.73 %
Avg Net Dank: 1.8 Ft.
- Depths = 13.4 - (3.3) Time in F.G. - 17 hrs 25 m.
Total - = 15.25

Surface - 2000 x 125 = 250000 Sq. Ft.

Bedrock 2000 x 150 = 25000

Avg. Area 250000

250,000 x 15.2 / 27 = 140740 Cu. Yds.

140740 / 31 = 4540 Cu. Yds. per day elapsed time

140740 / 27.67 = 5086 - - running -

Pond Eler
Dams dredged = 69-71-72-73-73A Bel Disc
Surface area - 5.73 Acres
Avg width - 125 Ft.
- Length - 2000 -

250000 Sq. Ft.

Thaw w/o

Nil

Strip w/o

X-7 Norto 11 incl - 67310 Cu.Yds. ✓

Dredge N: 8 November 1964

Shut down Nov. 23 - 8:00 AM.

Dredge operated 22 days

- Avg 470 hrs. 15 min = 19.59 days = 89.06 %
- Lost 27 - 45 - = 2.41 - = 10.94 %

Avg Hgt Bank = 2.0 Ft

- Depth = 13.0 - (3.6) M.G. = 6 hrs 30 min

Total - = 15.0 -

Surface - 915 x 125 = 114375 Sq. Ft

Bedrock - 915 x 125 = 114375 -

Avg Area = 114375

114375 x 15.0 = 6375 Cu. Yds.
27

6375 / 19.59 = 325 Cu. Yds. per day elapsed time

6375 / 22 = 289 Cu. Yds. per day - running -

Pond Eller

Claims dredged - 67-68-69 Bd. Sulph.

Surface area - 2.63 Acres.

Avg width - 125 Ft.

- Length - 915 -

114375 Sq. Ft.

Thaw W/O

Nil

Strip W/O

X-ray	11 - 12	=	4777 Cubic
	12 - 13	=	7431 "
	13 - 14	=	1010 "
	14 - 15	=	6744 "
	15 - 16	=	4139 "
		Total =	28141 "

Dredge No 6 May 1941
Started May 3 - 10:00 PM.

Dredge operated 29 days
Avg 6 hrs 40 min = 26.03 days = 89.7 %
Lost 71 - 20 = 2.97 = 10.2 %
Avg Mat Bank = 1.4 Ft.
Depth = 15.4 (3.4)
Total = 16.8 - 469 hrs. 10 min - F 61

Surface - 600 x 175 = 630000 Sq. Ft.

Bedrock - 600 x 175 = ✓ ✓

$\frac{630000 \times 16.8}{27}$ = 38889 Cu. Yds.

$\frac{38889}{29}$ = 1341 Cu. Yds. per day elapsed time

$\frac{38889}{26.03}$ = 1494 ✓ running time

Pond Filler
Claims dredged - 66-67 Below Selby
Surface area 1.43 Acres
Avg width - 175 Ft.
Length - 600

630000

Throw W/O

Nil

Strip W/O

X² 216 to 227 incl = 9635 Cu Yds

Dredge #8 June 1965

Dredge operated 30 days
- dug 646 hrs. 0 min = 26.9 days = 89.7%
- lost 74 - 0 - = 3.08 - = 10.28%
Avg Mat Bank = 1.9 Ft.
- Depth = 15.7 - (3.2) F.G. = 34 Hrs.
Total - = 17.6 -

Surface - 115' x 175' = 13937 Sq Ft = 1546 Sq. Yds.

Bedrock - - = = 1546 -

Avg Area = 1546 Sq. Yds

17.6
1546 x 17.6 = 9085 Cu. Yds.
3

9085 = 302.8 Cu. Yds. per day elapsed time.
30

9085 = 337 - - - running -
26.9

Claims dredged - 64-65-66 Below Tulph.
Surface area - 3.20 Acres
Avg width - 125'
- Length - 1115'

1546
9
13932

13937

Trip W/O

XS	227-228	7073	CY.S
	234-235	10996	"
	235-236	8704	"
	236-237	10003	"
	Total	36776	"

Note. XS 228 to 234 incl written off.

Dredge No. 8 July 1961

Dredge operated 31 days - 30 days for depth
- Avg 615 hrs. 50 min = 25.66 days = 82.77%
- Lost 178 - 10 - = 5.34 - = 17.23%
Avg Hgt Bank - 2.1 ft.
Depth - 16.0 - (3.5) F.G. 3 hrs 30 min
Total - - 18.1

Surface 1050 x 125 = 131250 Sq Ft = 14483 Sq Yds.

Bedrock = 14483 -
Avg Area 14483

4861
14483 x 18.1 / 3 = 87984 Cu. Yds.

87984 / 31 = 2838 Cu. Yds. per day elapsed time

87984 / 25.66 = 3429 - - running -

Claims dredged - 62-6-A-63 Below Tupper.
Surface Area 3.20 Acres
Avg Width - 125 ft.
Length - 1050

131250 Sq Ft.

Strip w/o

#2 237 to 252+1001 = 103130 Cu Yds

Dredge No. 8 August 1947

Dredge operated 31 days
- Aug 688 hrs. 20 min = 28.68 days = 92.52%
- lost 44 - 40 - = 2.32 - = 7.48 %
Avg Hgt Bank - 0.5 Ft.
- Depth - 21.5 - (4.7) Eq. 102 Hrs.
Total - - 22.4 -

Surface 1600 x 125 = 200000 Sq Ft = 22222 Sq. Yds.

Bedrock $\frac{22 \times 125 \times 22.4}{3} \times \frac{7.47}{22.4}$ = 16,998 Cu Yds.

$\frac{16,998}{31}$ = 1398 Cu. Yds. per day elapsed time

$\frac{16,998}{142.68}$ = 788 - - running -

Claims dredged - 60A-61-61A-62 Bed. Soils.
Surface area - 4.59 Acres.
Avg width - 125'
- Length - 1600 Ft

200000 Sq Ft.

Strip W/O

X-sec to-be incl = 68000 Cu Yds

Dredge № 8 September 1964

Dredge operated 30 days
- dug 657 hrs or 21.90 = 27.39 days = 91.31 %
- lost 63 - 35 - = 2.61 - = 8.69 %
Avg Hgt Bank = 11 Ft.
- Depth - 22.3 - (4.5) F.G. = 4 Hrs.
Total - - 23.4 -

Surface - 1360 x 125 = 170000 Sq Ft. = 18888 Sq. Yds

Bedrock - $18888 \times \frac{23.4}{3} = 147326$ Cu Yds. (7.8)

$\frac{147326}{30} = 4910$ Cu. Yds. per day elapsed time

$\frac{147326}{27.39} = 5379$ - - running -

Claims dredged - 59-59A-60-60A Bel Disc.
Surface area - 3.90 Acres
Avg widths - 125 Ft.
- Length - 1360 -

170000 Sq. Ft.

Strip W/O

xns x65 to x78 inal = 7x3x1 Cu Yds.

Dredge No. 8. October 1965

Dredge operated 31 days - 27 days for depth
- Avg 537 hrs. 55 min = 22.41 days = 72.30%
- Lost 206 : 05 - = 8.59 - = 27.70%
Avg. Hgt Bank = 1.8 Ft.
- Depth = 20.4 - (3.4) FG 34 Hrs
- Total depth = 22.2 -

Surface - 1150 x 157 = 113750 Sq. Ft = 15972 Sq Yds.

Bedrock - $15972 \times \frac{7.4}{22.2} = 11819$ Cu. Yds.

$\frac{11819}{31} = 381$ Cu Yds per day elapsed time

$\frac{11819}{22.41} = 527.4$ - - running -

Claims dredged - 7-8-7-8A-8B-7-9
Surface area - 3.30 Acres
Avg Width - 157 Ft.
- Length - 1150 -

113750 Sq. Ft.

Dr #8. November 1940

Shut down Nov 4 - 8:00 PM

Estimated yage = 8100 Cu Yds.

Thaw W/O

Nil

Strip W/O

X1 277-282 Written off

X2 282-283 - Rem. = 7536 Cu Yds

" 283-284 - " = 7522 "

Total 15058 "

Dredge No: 8 May 1966

Started May 3 - 1:00 pm.

Dredge operated 29 days
Dug 592 Hrs. 40 min = 24.97 days = 86.10 %
Lost 96 - 40 - = 4.03 - = 13.90 %
Avg Max Bank = 1.6 Ft
Depth = 21.8 - (3.10) F.G. 688 Hrs. 20 min
Total - = 23.4 -

Surface - 261 x 177 = 7062 Sq. Ft. = 784 Sq. Yds

$$\frac{784 \times 234}{3} \overset{7.8}{=} 6120 \text{ Cu Yds.}$$

$\frac{6120}{29} = 211$ Cu Yds. per day elapsed time

$\frac{6120}{24.97} = 245.1$ - - running -

Claims dredged - 57-58 Bel Sulph.
Surface area - 1.62 Acres
Avg Width - 177 Ft.
Avg Length - 561 -

7062 Sq Ft

Thaw W/O

W.I

Strip. W/O

XS 884-891- incl. = 4555 Cu Yds.

Dredge № 8 June 1966

Dredge Operated 30 days
- dug 656 hrs. 45 min = 27.36 days = 91.22 %
- lost 63 - 45 - = 2.64 - = 8.78 %
Avg Max Bank - 0.4 Ft.
- Depth = 21.0 - (21) F.G. = 447 Hrs
Total - = 21.4 -

Surface - 720 x 125 = 90000 Sq. Ft = 10000 Sq. Yds.

$$10000 \times \frac{7.13}{3} = 71300 \text{ Cu. Yds.}$$

$\frac{71300}{30}$ = 2376 Cu Yds. per day elapsed time

$\frac{71300}{27.36}$ = 2605 - - running -

Claims dredged - 56-57 Bel. Diso.
Surface area - 2.07 Acres
Avg width - 125 Ft.
- Length - 720 -

90000 Sq. Ft

Thaw W/o

N:1

Strip W/o

X⁻⁵ rail to 300 incl = 4V892 Cu.Yds.

Dredge No. 8 July 1966

Dredge operated 31 days
- dug 677 hrs. 55 min = 28.25 days = 91.12 %
- lost 66 - 05 - = 2.75 - = 8.88 %

Avg Hgt Bank = 1.5 Ft.
- Depth = 14.8 - (1.0) F-G - 453 Hrs. 30 min
Total - = 16.3 -

Surface - 965 x 125 = 120625 Sq. Ft. = 13402 Sq. Yds.

$$13402 \times \frac{16.3}{3} \times \frac{5.43}{} = 72773 \text{ Cu. Yds.}$$

$$\frac{72773}{31} = 2347 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{72773}{28.25} = 2576 \text{ - - running time}$$

Claims dredged SW + NE Bel. Disc
Surface Area 2.76 Acres
Ave width - 125 Ft.
- Length - 965 -

120625 Sq. Ft.

Thaw W/O

Block # 13 - 135 x 140 x 22.8 / 27 = 15960 Cu Yds.
22-8

Strip W/O

X^m 300 to 308 incl = 4416 Cu Yds

Dredge #8 August 1966

Dredge operated 31 days - 30 days for depths
" Avg Cu Yds Hrs Worked = 26.91 days = 86.8 %
" lost 9.8 - or - = 4.09 - = 13.18 %
Avg Dept Bank = 1.5 Ft.
" Depth = 14.2 - (7.0) F.G. = 470 Hrs. Worked
Total " = 15.7 -

Surface - 750 x 125 = 93750 Sq Ft. = 10417 Sq. Yds

$10417 \times \frac{15.7}{3} = 54481$ Cu Yds.

$\frac{54481}{31} = 1757$ Cu. Yds. per day elapsed time

$\frac{54481}{26.91} = 2025$ " " running time

Claims dredged - 52 - 53 - 54 Below Suloh
Surface area - 2.15 Acres
Avg width - 125 Ft.
" Length - 750 -

93750 Sq. Ft

Thaw W/O

Block # 13 - Remainder = 17579 Cu Yds
- # 103 - = 1772 -
- # 102 - = 3079 8 -
- # 101 - = 618 1 -
- # 82 - = 1864 0 -
- # 81 - = 1997 -

Sub Total = 10369 -
- # 6 - 175 x 65 x 23.1 / 27 / 23.1 = 6951 -
Total = 110643

Strip W/O

X-S 308 to 317 incl = 37049 Cu. Yds.
317 - 318 = 4304 .
Total = 41753

Dredge No. 8 — September 1966

Dredge operated 30 days
- dug 668 hrs. 20 min = 27.81 days = 92.8 %
- lost 5 1 - 40 - = 2.17 - = 7.18 %
Avg Hyd Sand = 1.0 Ft.
- Depth = 17.7 - (2.7) F-G = 4 hrs. 30 min
Total - = 16.7 -

Surface - 1010 x 1170 = 1,161,170 Sq. Ft. = 140,27 Sq. Yds.

$$\frac{140{,}27 \times 16.7}{3} = 78{,}130 \text{ Cu Yds.}$$

$\frac{78130}{30}$ = 2604 Cu. Yds. per day elapsed time

$\frac{78130}{27.81}$ = 2809 - - running -

Claims dredged - 50-51-52 Below Ralph.
Surface area - 2.90 Acres
Avg width - 117 Ft.
- Length - 1010 -

1,161,170 Sq Ft.

Thaw W/O

Block #1	- Remainder	= 1760	Cu Yds.
- #4	- "	= 33866	-
- #6	- "	= 1991	-
- #133	- 150 × 200 × 38 / 27	= 44074	
		Total =	123791

Stripping W/O

XS - 318-319	- Remainder	= 167	Cu Yds
319 - 320	- "	= 6685	-
320 - 321	- "	= 63	-
321 - 322	- "	= 7703	-
322 - 323	- "	= 436	-
323 - 324	- "	= 241	-
324 - 325	- "	= 755	-
325 - 326	- "	= 1466	-
326 - 327	- 1/3 Remainder	= 7903	-
327 - 328	- 1/3 -	= 7281	-
		Total =	6485 -

Dredge No. 8 October 1966

Dredge operated 31 days - 30 days for depth
- dug 584 hrs. 44 min = 24.36 days = 78.60 %
- lost Nq - N - = 6.64 - = 21.40 %
Avg Nat Bank - 3.3 Ft.
- Depth - 16.2 -
Total - - 19.5 ✓ (1.5) F.G. 213 hrs. 17 min

Surface - 6676 / 5647 / 1029 ✓ — 7700 / 6676 / 1024 ✓

1027 × 17.67 = 18147 Sq. Yds.

Bedrock - 8603 / 7686 / 917 ✓ — 9576 / 8603 / 973 ✓

970 × 17.67 = 16755 ✓
+ 34402 ✓

Avg Area = 17701 ✓

17201 × 19.5 / 3 = 111806 Cu. Yds. ✓

111806 / 31 = 3606 Cu. Yds. per day elapsed time

111806 / 24.36 = 4590 ✓ - running -

Claims dredged - 48-49-50 Rel. Tulsh
Surface area - 3.75 Acres. ✓
Avg width - 150 Ft.
- Length - 1050 ✓

18147 × 9 = 163323 ✓
16755 × 9 = 146295 ✓
17201 × 9 = 154809 ✓

Thaw W/O

Block # 133 - 1/3 Remainder = 44074 CYS.

" # 13" - 50 x " 50 x 21.3 = 9861 "
21.3 27

Total = 53931"

O/H Jan1-66 1412061 CYS
Charged 1966 - 303879 "
Prepared grd. remaining 1108183" "

Strip W/O

X? 3"6 - 3"7 - 1/" Remainder = 7903 CYS.

3"7 - 3"8 - " " - 7"81 "

Total 151844

O/H Jan1-66 - 96073" CYS
Charged 1966 - "49347 "
Prepared grd. remaining - 71138" "

Dredge № 8 November 1966

Shut down Nov 13 - 8: AM.

Dredge operated 12 days

- dpg 240 hrs. 00 min = 10.00 days = 83.82%
- lost 47 - 36 - = 1.98 - = 16.50%

Avg Hot Bank - 2.0 Ft.

- Depth - 20.8 - (2.6) F.G. 12 Hrs.

Total - - 22.8 -

Surface - 4221 − 3846 = 375 ; 4596 − 4221 = 375

375 x 17.67 = 6626 Cu Yds.

Bedrock - 4930 − 4558 = 372 ; 5300 − 4930 = 370

371 x 17.67 = 6556 -

- 1318 -

Avg Run = 6591 -

6591 x 7.6/22.8 = 50091 Cu. Yds.

50091/12 = 4174 Cu. Yds. per day elapsed Time

50091/10.0 = 4999 - - running -

Claims dredged - 48 Bel. Sol. Ch.

Surface area - 1.37 Acres

Avg width - 270 Ft

Length - 240 -

66.6 × 9 = 59634

6556 × 9 = 59004

6591 × 9 = 59319

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