Dredge No 8

MADE IN
CANADA

THE CANADIAN LINE

THIS BOOK IS

SERIES NO. 1230

SIZE 12¼ x 10 INCHES

MADE IN THE FOLLOWING RULINGS

2 COLUMNS TO RIGHT
3 " "
4 " "
5 " "
6 " "
7 " "
8 " "
10 " "
12 " "
14 " "
16 " "
18 " "
20 " "
FEINT
QUADRILLE

MADE ONLY IN 150 PAGE THICKNESS

TO OBTAIN A DUPLICATE OF THIS BOOK
ORDER NO. 1230
SPECIFYING RULING AND THICKNESS

Dredge № 8

Thawing Worksheet

Block # 76 - 19.2 — 9991 − 8886 = 1108 — 6090 − 5991 = 99 — 6190 − 6090 = 100

100 × 17.67 × 19.2/3 (6.4) = 11309 C.Y.s.

- # 77 - 20.1 — 6771 − 6549 = 222 — 7094 − 6771 = 323

323 × 17.67 × 20.1/3 (6.7) = 6192.3

Total = 7323.2

Stripping Worksheet

X? 224 − 223 = 1/2 Remainder = 1183.2 Cu. Yds.

- 223 − 222 = 1/2 = 3248.5

- 222 − 221 = 1/4 = 17121

Total = 21438

Dredge #8 — May 1971

Started May 1 - 8:00 AM.

Dredge operated 31 days

Avg 549 hrs 30 min = 22.91 days = 73.9%

Lost 194 hrs 10 min = 8.09 days = 26.1%

Avg Mat Bank = 1.5 ft

Depth = 19.7

Total = 21.2

Surface — 4759, 4103, 6562; 5419, 4759, 660; 658 x 17.67 = 11627 Sq. Yds.

Bedrock — 6059, 5415, 644; 6701, 6059, 642; 643 x 17.67 = 11361

11988

Avg. Area = 11494

$\frac{11494 \times 21.2}{3} = 81224$ Cu Yds.

$\frac{81224}{31} = 2620$ Cu. Yds. per day elapsed time

$\frac{81224}{22.91} = 3545$ running

Pond Elev. = 1779.6

Claims dredged = 64-65 Below Surface

Surface Area = 2.40 Acres.

Avg Width Cut = 190 Ft

Lengths = 530 -

11627 × 9 = 104643

11361 × 9 = 102249

11494 × 9 = 103446

Thawing Waterfall

Block Hgt - Remainder = 16351 Cu Yds.

76 - = 99656

77 -	7473 / 7374	7573 / 7473	100 × 17.89 × 20.1 / 3	=	11839
20.1	99	100			
78 -	8310 / 8288	8405 / 8310	59 × 17.89 × 20.8 / 3	=	7227
20.8	22	95			
79	8430 / 8405	8455 / 8430	25 × 17.89 × 20.5 / 3	=	3017
20.5	25	25			

Total = 138090

Stripping Waterfall

X 219.220	- 1/4 Remainder	=	16880 Cu Yds.
220. 221	- 1/4	=	34183
221. 222	- 3/4	=	38523
222. 223	- 3/4	=	24343
223. 224	- 1/4	=	2918

Total - 116907

Dredge #8 June 1951

Dredge operated 30 days
Dug 650 hrs. 15 min = 27.09 days = 90.3%
Lost 69 - 41 - = 2.91 " = 9.6%
Avg Wet Bank = 2.6 Ft.
" Depth = 16.9 "
Total " = 19.5 "

Surface	3185 2018 1167	4362 3185 1177	1172 x 17.67 = 20709 Sq. Yds
Bed Rock	5500 4331 1169	6653 5500 1153	1161 x 17.67 = 20518 41224

Avg Area = 20612

$$20612 \times \frac{19.5}{3} = 133978 \text{ Cu. Yds}$$

$$\frac{133978}{30} = 4466 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{133978}{27.09} = 4946 \text{ " " running "}$$

Pond Elev. 1773.8
Claims Dredged 65. Bel Lakes.
Surface Area 4.28 Acres.
Length of Cut 935 Ft
Width " " 200'

20709 + 20515 + 20612 = 61836 Sq. Yds
61836 x 3 = 185508 Cu. Yds

Thawing Kriteoff

Block #77 - Remainder = 27161 Cu.Yds

- #78	1945 - 1811 = 134	2088 - 1945 = 143	2223 - 2088 = 135	135 × 17.67 × 20.8 / 3	= 16537
20.8					
- #79	3620 - 2909 = 711	4331 - 3620 = 711		711 × 17.67 × 20.5 / 3	= 8817
20.5					Total = 129515

Stripping Kriteoff

x3	217-218	- 1/5 Remainder	= 13456 Cu Yds
	218-219	- 1/2	= 34109
	219-220	- 2/3	= 33762
	220-221	- 2/3	= 22788
	221-222	- 1/2	= 6420
			Total = 110535

Dredge #8 July 1941

Dredge operated 31 days
- Dug 693 hrs. 0 min = 28.04 days = 90.46 %
- lost 71 - 0 - = 2.96 - = 9.54 %
Avg Hgt. Bank = 1.9 ft.
- Depth = 19.0 -
Total - = 20.9 -

Surface $\frac{1922}{0827}\ \frac{3013}{1922}$ - 1093 x 17.67 = 19313 Sq. Yds.
1095 1091

Bedrock $\frac{4089}{3023}\ \frac{5153}{4089}$ 1065 x 17.67 = 18819
1066 1064

= 38132

Avg Area = 19066

$\frac{19066 \times 20.9}{3}$ = 132876 Cu. Yds.

$\frac{132876}{31}$ = 4285 Cu. Yds. per day elapsed time

$\frac{132876}{28.04}$ = 4737 - - running -

Pond Elev - 1774.2
Claims dredged - 65 & 66 Bel. on Sulp
Surface Area - 4.00 Acres
Avg. width cut - 200 Ft.
- Length - - 860'

19313 18819 19066
9 9 9
173817 169371 171594

Thawing Write off

Block #78 – Remainder = 96884 Cu.Yds.

#80 – 20.5' — 1741 / 1489 / 252 — 1997 / 1741 / 251 = $\frac{\pi \times 17.67 \times 20.5}{3}$ = 30240

Total = 127124

Stripping Write off

X=3 215-216 – 1/4 Remainder = 15898 Cu.Yds.

216-217 – 1/2 – = 32689 –

217-218 – 2/3 – = 35884 –

218-219 – 3/4 – = 25884 –

219-220 – 1/2 – = 8440

Total = 118495

Dredge # 8 Aug. 1951

Dredge Operated 31 days

" Dug 667 hrs 0 min = 27.79 D = 89.65 %

" Lost 77 . 0 " 3.21 10 35 %

Av. Hgt of Bank 1.4

" Depth of Cut 17 0

Total 21.4

Surface $\frac{5538}{4495}$ $\frac{6575}{5538}$ 1040 X 17.67 18377

$\frac{1043}{}$ $\frac{1037}{}$

Bed Rock $\frac{7577}{6565}$ $\frac{8591}{7577}$ 1013 x 17.67 17900

1012 1014

Av. Area 18138

$18138 \times \frac{21.4}{3} =$ 129384 Cu yds

$\frac{129384}{31}$ 4174 Cu yd per day Elapsed Time

$\frac{129384}{27.79}$ 4656 " " " Running Time

Pond Elev. 1776.9

Claims Dredged 65 & 66 Bel. on Sul

Surface Area 3.80

Av. width of Cut 200

" Length " " 827

165393 161010 163242

Thawing Write off

Block #79 - Remainder = 15689 Cu. Yds.

- #80 - $\frac{125 \times 30 \times 20.5}{27}$ = 2847 -

- #81 - $104601 - \frac{150 \times 50 \times 20.0}{27}$ = 99046 -

Total = 117582 - -

Stripping Write off

X-D 217-218 - 2/3 Remainder = 11962 Cu. Yds.

216-217 - 3/4 - = 24576 -

215-216 - 2/3 - = 31796 -

214-215 - 38% - = 24798 -

213-214 - 20% - = 12987 -

Total = 106059 - -

Dredge № 8 Sept 1921

Dredge operated 30 days
" dug 657 hrs 15 min = 27.39 days = 91.38 %
" lost 62 " " = 2.61 " = 8.72 %
Avg Mat Bank = 1.7 Ft
" Depth = 20.2 / 21.9

Surface
2756 / 1699 / 1057
3805 / 2756 / 1049

Bedrock
4848 / 3813 / 1035
5883 / 4848 / 1035

1053 X 17.67 = 18607 sq yd.

1035 X 17.67 = 18289 " "

Av. 18448

18448 X 21.9 / 3 = 7.3

134670 Cu yds

134670 / 30 = 4489 cu. yd. per day Elapsed Time

134670 / 27.39 = 4917 " " " Running "

Pond El 1770.9

Claims Dredged 66 Below on Sulphur

Surface Area 3.84 Acres

Av. Width of cut 200 ft
" Length " " 837 "

167463 164601 166032

Thawing Writeoff

Block # 81 - Remainder = 5555 Cu. Yds.

- 20.0 80 - 435 × 145 × 20.5 / 27 = 47890 ✓

- 20.5 - 18.9 81 - 410 × 70 × 18.9 / 27 = 20090 ✓

- 18.9 - 19.3 83 - 320 × 40 / 2 × 19.3 / 27 = 4575 ✓

Total = 78110

Stripping Writeoff

X? 216-211 - 2/3 Remainder = 10600 Cu. Yds.

215 - 214 - 3/4 ✓ = 3045 ✓

214 - 213 - 1/2 ✓ = 2975 ✓

Total = 66920 ✓

Dredge #8 — October 1951

Dredge operated 31 days
- Dug 665 hrs 45 min = 27.74 days = 89.48%
- Lost 78 - 15 - = 3.26 - = 10.52%

Avg Hgt. Bank = 3.9 Ft.
- Depth = 17.1 -
Total - = 21.0 -

Surface

$\frac{1810}{1206}$ $\frac{2476}{1840}$
634 636

635 X 17.67 = 11,220 Sq Yd

Bedrock

$\frac{3105}{2476}$ $\frac{3746}{3105}$ $\frac{4379}{3746}$
629 641 633

634 X 17.67 = 11202 Sq Yd

Av. Area 11211 Sq. Yd.

$11211 \times \frac{21.0}{3} = 78477$ Cu. Yd.

$\frac{78477}{31} =$ 2532 Cu yd per day Elapsed

$\frac{78477}{27.74} =$ 2829 Cu. Yd. per day Running Time

Pond El 1774.2

Claims Dredged 66 & 67 Below on Sal.

Area 2.32 Acres

Length of Cut 480'

Width of Cut 210'

100980 100818 100899

Thawing Write off

Block #80- Remainder = 5465 Cu. Yds.

- #8 - 18.9 — 3707 − 836 = 371 — 3780 − 3707 = 373 — 37 × 17.67 × 6.3 / 3 × 189 = 4129 —

Total = 4675 —

Stripping Write off

X12 - 11 - 12 — 1/7 Remainder = 995 Cu. Yds.

12 - 13 — 1/4 " = 1673 —

13 - 14 — 1/6 " = 347 —

14 - 15 — 1/3 " = 337 —

15 - 16 — 1/5 " = 1060 —

Total = 34143 ✓

Dredge # 8 Nov. 18 1951

Shut down Nov 18 - 8:00 A.M.

Dredge operated 17 days

" dug 353 Hrs 30 Min = 14.73 days 86.6%

" Lost 54 " 30 " = 2.27 " 13.36%

Av. Height of Bank. = 3.5 Ft.

" Depth = 16.0 "

" Total = 19.5 "

Surface $\frac{8318}{7936}$ $\frac{8710}{8368}$ = 426 × 17.67 = 75 275 Sq. Yds

Bed Rock $\frac{8191}{7784}$ $\frac{9602}{9191}$ 409 × 17.67 = 72.27 " "

147.5

Av. Area = 7377 " "

$7377 \times \frac{19.5}{3} = 47950$ Cu Yds.

$\frac{47950}{17} = 2821$ Cu yds. per day elapsed time

$\frac{47950}{14.73} = 3255$ " " running "

Pond E1

Claims Dredged 66 & 67 Below on Sal

Area 1.56 Acres

Av. Length of Cut 370 Ft.

Av. Width of Cut 183 "

67743 65043 66393

Thaw Write off

Block # 82 - $\frac{190 \times 190 \times 18.9}{27}$ = 25270 Cu. Yds.

Block # 83 - $\frac{215 \times 115 \times 19.3}{27}$ = 17674 "

Total = 42944 "

Stripping Write off

X-S 211 - 213 - 1/5 Remainder = 11941 Cu. Yds.

" 212 - 213 - 40% " = 19815 "

" 213 - 214 - 1/3 " = 7576 "

Total = 39332 "

Dredge # 8 May 1952

Started May 4 - 10:00 AM.

Dredge Operated 28 Days

" dug 539 hrs 0 Min 22.46 days 80.21%

" lost 133 " 0 " 5.54 19.79%

Av. Hgt. of Bank 2.2'

" Depth " 19.8

Total 22.0

Surface

4001	4377	4744
3634	4001	4377
367	376	367

371 X 17.67 6555 sq yd

Bedrock

5110	5475	5835
4754	5110	5475
356	365	360

360 X 17.67 6361

12916

Aver 6458

6458 X $\frac{22.0}{3}$ = 47359 Cu yds

$\frac{47359}{28}$ = 1691 Cu Yd/day Elapsed Time.

$\frac{47359}{22.46}$ 2109 Cu Yd/day Digging Time

Pond El 1772.8

Claims Dredged 67. Below Sulph.

Area 1.35 Acres

Average Length of Cut 295'

" " " " 200'

58995 57249 58122

Thaw Writeoff

Block #83 - $\frac{330 \times 330 \times 19.3}{27}$ = 77843 Cu Yds.
19.3

Block #85 - $\frac{310 \times 85 \times 18.0}{27}$ = 17566 "
18.0

Total - 95409 "

Strip Writeoff

X² 213 - 214 - 2/3 Remainder = 10102 Cu. Yds.

213 - 212 - 3/4 " = 2293 "

211 - 212 - 3/4 " = 3583 "

210 - 211 - 1/3 " = 2174 "

209 - 210 - 1/6 " = 1033 "

Total = 10062 5/6 "

1050 330
960 33
90

Dredge #8 — June 1952

Dredge Operated — 656 Hrs 0 min = 27.33 " = 91.11 %
" Dug — 64 " 0 " = 2.67 " = 8.89 %
" last
Av. Hgt. Bank — 2.3'
" Depth — 18.1
Total — 20.4

30 Days

Surface — 1228 / 0358 / 870 — 2110 / 1228 / 882

870 × 17.67 = 15479 Sq. yd.

Bedrock — 3817 / 2953 / 864 — 5379 / 4511 / 868

864 × 17.67 = 15302 Sq. yd.

30781

Av. 15391

15391 × 20.4 / 3 = 104659 Cu. yd.

104659 / 30 = 3489 Cu yd. per day Elapsed Time

104659 / 27.33 = 3829 " " " " Digging Time

Pond El. 1768.8
Claims Dredged 67 Below on Sulphur
Area 320 Acres
Av. Length of Cut 686 ft.
Av. Width " " 203 ft.

139311 — 137718 — 138519

Thaw Wrikes.ff

Block #83 - Remainder	= 9211	Cu. Yds
" 82 - "	= 22489	"
" 84 - Remainder less $\frac{175 \times 200 \times 18.0}{27}$	= 73443	"
" 86 - $\frac{250 \times 60 \times 17.5}{27}$	= 9722	"
	Total = 114864	"

Strip Wrikes.ff

X² 211-212 - 3/5 Remainder	= 7164	Cu. Yds.
X² 210-211 - 4/5 "	= 38004	"
X² 209-210 - 4/5 "	= 40932	"
X² 208-209 - 1/4 "	= 14976	"
X² 207-208 - 1/4 "	= 14590	"
	Total = 115666	"

Dredge #8

July 1952

Dredge operated 31 Days

668 hrs 20 Min	=	27.85 "	= 89.83 %
75 " 40 "		3.15 "	10.17 %

Av. Hgt. Bank 3.0
" Depth 16.4
Total 19.4

Surface	1929 − 0716 = 1213	3134 − 1929 = 1205	1209	17.67	21363
Bedrock	4327 − 3145 = 1182	5511 − 4327 = 1184	1183	17.67	20903
					42266
				Av.	21133

21363 × 19.4/3 = 138147 Cu yds

138147/31 = 4456 Cu.yd. per day Elapsed Time

138147/27.85 = 4960 Cu.yd. per day Digging Time

Pond El.
Claims Dredged 67 and 68 Below on Sulphur
Area 4.41 Acres
Av. length of cut 815 feet
Av. width 235 "

192267 188127 190197

Thaw Write off

Block 86 - $\frac{270 \times 220 \times 17.5}{27}$ = 38500 Cu. Yds.

" 88 - $\frac{390 \times 210 \times 17.8}{27}$ = 53993 ✓

" 90 - $\frac{330 \times 200 \times 17.0}{27}$ = 41555 ✓

" 92 - $\frac{240 \times 200 \times 16.6}{27}$ = 30122 ✓

Total = 164173 ✓

Stripping Write off

X3	207-206	-	1/4 Remainder	= 12905	Cu. Yds.
	206-205	-	1/4 ✓	= 11205	✓
	205-204	-	27% ✓	= 11264	✓
	204-203	-	28% ✓	= 11124	✓
	203-202	-	27% ✓	= 9770	✓
	202-201	-	27% ✓	= 8894	✓
	201-200	-	29% ✓	= 8878	✓
	200-199	-	29% ✓	= 8142	✓
	199-198	-	29% ✓	= 8157	✓
	198-197	-	29% ✓	= 8711	✓
	197-196	-	29% ✓	= 9340	✓
	196-195	-	28% ✓	= 9436	✓
	195-194	-	14% ✓	= 4934	✓

Total = 132710 ✓

Dredge # 8 Aug 1952

Dredge operated 31 days
" dug 669 hrs 35 min = 27.90 days = 90.00%
" lost 74 - 24 - = 3.10 - = 10.00%
Avg Hgt Bank = 1.6 Ft
" Depth = 12.8 -
Total - = 14.4 -

Surface 3524 / 1921 / 1603 — 5129 / 3524 / 1605 — 1604 x 17.67 = 28343 □yd

Bed Rock 6636 / 5136 / 1500 — 8140 / 6636 / 1504 — 1502 x 17.67 = 26541 □yds

54884

Av. 27442

$\frac{27442 \times 14.4}{3}$ = 131722 Cu. Yds

$\frac{131722}{31}$ = 4249 Cu. Yd. per day Elapsed Time

$\frac{131722}{27.90}$ = 4721 " " " " Digging "

Pond El. 17573
Claims Dredged 68, 69, + 71 Below on Sulphur
Area 5.86 Acres
Av. Length of Cut 1230 feet
" Width 207 "

255087 238869 246978

Thaw Write off

Block #92	$\frac{215 \times 90 \times 16.6}{27}$	= 11897 Cu. Yds.
" #94	$\frac{330 \times 220 \times 17.0}{27}$	= 45711 "
" #96	$\frac{330 \times 240 \times 17.0}{27}$	= 49867 "
" #98	$\frac{215 \times 220 \times 17.0}{27}$	= 3384 "
		Total = 141317 "

Strip Write off

X2 195-194	28% Remainder	= 8488 Cu. Yds.
194-193	27% "	= 9226 "
193-192	28% "	= 9116 "
192-191	29% "	= 8601 "
191-190	29% "	= 8312 "
190-189	30% "	= 9249 "
189-188	29% "	= 9399 "
188-187	29% "	= 10147 "
187-186	30% "	= 10232 "
186-185	34% "	= 11218 "
185-184	8% "	= 2731 "
		Total = 96761 "

Dredge #1-8 — 3 Sept. 19--

Dredge operated 30 days
- Dug 636 hrs. 35 min = 26.52 days = 88.41 %
- Lost 83 - 22 - = 3.48 - = 11.59 %

Avg. Hgt. of Bank = 2.1 Ft.
- Depth = 13.7 -
Total - = 15.8 -

Surface - 6698 / 5236 / 1462 — 8141 / 6698 / 1443 — 9586 / 8141 / 1445

1445 × 17.67 = 25510 Sq. Yds.

Bedrock - 0960 / 9590 / 1370 — 2337 / 0960 / 1377

1374 × 17.67 = 24278
24278 / 149988

Avg. Area = 24994

24994 × 15.8 / 3 = 131635 Cu. Yds.

131635 / 30 = 4388 Cu. Yds. per day elapsed Time

131635 / 26.52 = 4964 - - running

Pond Elev - 1751.5
Claims dredged - 71-92-73 Below Sulphur
Surface Area - 5.31 Acres
Avg width cut - 235 Ft.
- Length - - 965

25710 / 9 = 231390
24278 / 9 = 218502
24994 / 9 = 224946

Thaw Writeoff

Block 98	- 210 × 60 × 17.0 / 27	=	7933 Cu.Yds.
- 96	- Remainder	=	17867 ✓
- 94	- ✓	=	22023 ✓
- 92	- 120 × 90 × 14.6 / 27	=	4640 ✓
- 90	- 420 × 100 × 17.0 / 27	=	26444 ✓
- 97	- 330 × 140 × 17.5 / 27	=	29944 ✓
- 99	- 200 × 155 × 17.5 / 27	=	20092 ✓
		Total =	130943 ✓

Stripping Writeoff

X² 184-185	- 8% Remainder	=	2515 Cu.Yds.
185-186	- 30% ✓	=	4532 ✓
186-187	- 30% ✓	=	7162 ✓
187-188	- 30% -	=	7453 ✓
188-189	- 30% ✓	=	6904 ✓
189-190	- 30% -	=	6474 ✓
190-191	- 30% ✓	=	6136 ✓
191-192	- 35% ✓	=	7369 ✓
192-193	- 35% ✓	=	8204 ✓
193-194	- 35% ✓	=	8730 ✓
194-195	- 15% ✓	=	3274 ✓
		Total	70750 ✓

Dredge N= 8 October 19--

Dredge operated 31 days
" 693 hrs. 15 min = 27.64 days = 89.1--%
" lost 80 " 4--" = 3.36 " = 10.8--%
Avg Hgt Bank = 3.-- Ft.
" Depth = 13.0 "
Total " = 16.-- "

Surface 5757 / 4464 / 1263 ; 7001 / 5757 / 1248 ; 8774 / 7001 / 1269 — 1266 x 17.67 = --370 Sq. Yds

Bedrock 9--7 / 8771 / 1211-- ; 0775 / 9--7 / 1248 — 1250 x 17.67 = --088 "
--4458

Avg Area = ----9 -

$$\frac{----9 \times 16.-- \times 5.4}{3} = 120036 \text{ Cu. Yds.}$$

$\frac{120036}{31}$ = 387-- Cu. Yds per day elapsed time

$\frac{120036}{--.64}$ = 4343 - " running time

Pond Elev - 1757.4
Claims dredged - 71-72-73 Bel. Sulph.
Surface Area - 4.6-- Acres
Avg. Width - --1-- Ft.
" Length - 9--- "

--370	--088	----9
9	9	9
--01330	19879--	--00061

Thaw Writeoff

Block 9 - Remainder		= 17478 Cu Yds
- 90 -	-	= 30973 -
- 91 - $\frac{450 \times 60 \times 16.6}{27}$		= 8300 -
- 91 - $\frac{70 \times 80 \times 17.0}{27}$		= 3516 -
	Total	= 60277 -

Stripping Writeoff

X 194-195 -	1/5 Remainder	= 3710 Cu Yds.
195-196 -	1/3 -	= 8088 -
196-197 -	1/3 -	= 7623 -
197-198 -	1/3 -	= 7110 -
198-199 -	1/3 -	= 6623 -
199-200 -	2/9 -	= 4430 -
	Total	= 37584 -

Dredge No 8 November 1927

Shut down for season Nov 26 - 10:45 AM.

Dredge operated 25 days

" Dug 544 hrs. 50 min = 27.70 days = 90.81 %

" lost 55 " 10 " = 2.30 " = 9.19 %

Avg. Hgt. Bank = 3.8 Ft.

" Depth = 17.9 " Avg. Depth in BR = 6.3 Ft.

Total " = 16.7 "

Surface: 8029 / 7401 / 628 — 8653 / 8029 / 624 — 626 X 17.67 — 11062 Sq. Yd.

Bedrock: 9320 / 8696 / 624 — 9949 / 9323 / 626 — 625 X 17.67 — 11044 Sq. Yd.

11053 Sq Yd.

$11053 \times \frac{16.7}{3} =$ 61528 Cu Yds

$\frac{61528}{25} =$ 2461 Cu Yds per day Elapsed Time

$\frac{61528}{22.70} =$ 2710 Cu Yds per day Running Time

Pond El. 1760 7

Claims Dredged. 69 & 71 Below on Sulphur-

Surface Area 2.28 Acres

Av. Width of cut 181'

Av. Length " 540'

99558 99396 99477

Thaw W/O

Block #90 - Remainder = 0

" #88 - 315 = 2635 Cu. Yds

" #89 - $\frac{150 \times 30^{10} \times 18^{3}}{27^{3}}$ = 3150 -

Total = 5985

Stripping W/O

125 199-200 - 1/9 Remainder = 1773 Cu Yds.

" 200-201 - 1/3 = 705 -

" 201-202 - 1/3 = 801.6 -

" 202-203 - 1/10 = 264 -

Total = 1958.6

Dredge # 8 May 1953.

Started May 3- 2:30 pm.

Dredge operated 29 days
" dug 648 hrs. 0 min. = 27.0 days = 93.10 %
" lost 48 " 0 " = 2.0 " = 6.90 %

Avg. Hgt. Bank = 2.9 Ft.
" Depth = 13.2 "
Total = 16.1 "

Surface 0758. 1077
0437 0758
3 " 1 319

3 " 0 x 17.67 = " 6 " 4 Sq. Yds.

Bedrock - 1418 1739 " 0 " 7
1086 1418 1739 3 " 0 x 17.67 = " 6 " 4
3 3 " 3 " 1 3 18

Avg Area " 6 " 4.

" 6 " 4 x 16.1 / 3 = 30343 Cu. Yds.

30343 / 29 = 1046 Cu. Yds. per day elapsed time

30343 / 27.0 = 1124 " " " running "

Pond El. 1761.0
Claims dredged 49 Bal Surface.
Surface Area 1.17 Acres.
Avg. width of Cut 200 Ft.
" length of Cut 260 "

" 654
9
" 0886.

Thaw Writeoff

Block 88 - Remainder	=	17899 Cu Yds.
" 86 - "	=	49455 "
" 84 - $\frac{175 \times 30 \times 18.0}{27}$	=	3500 "
" 87 - $\frac{335 \times 100 \times 17.7}{27}$	=	21961 "
" 89 - $\frac{175 \times 50 \times 18.9}{27}$	=	6125 "
	Total =	98940 "

Stripping Writeoff

X2 202-203 - 1/3 Remainder	=	7925 Cu Yds.
203-204 - 1/3 "	=	9535 "
204-205 - 2/5 "	=	12184 "
205-206 - 2/5 "	=	13446 "
206-207 - 2/5 "	=	15486 "
207-208 - 1/6 "	=	7294 "
	Total =	65870 "

Dredge #8 June 1913

Dredge operated 30 days
- Avg 66 hrs. 30 min = 27.77 days = 92.7 %
- lost 5.3 - 30 = 2.23 - = 7.43 %
Avg Hgt Bank = 3.1 Ft.
- Depth = 16.6 -
Total - = 19.7 -

Surface	7414	8271	858 × 17.67	= 15160 Sq. Yds
	6550	7414		
	858	857		
Bedrock	9130	9980	846 × 17.67	= 14948
	8288	9130		= 30108
	842	850	Avg Area	= 15054

$$\frac{150\,54 \times 19.7}{3} = 98855 \text{ Cu. Yds.}$$

$$\frac{98855}{30} = 3295 \text{ Cu Yds. per day elapsed time}$$

$$\frac{98855}{27.77} = 3560 \text{ - running -}$$

Pond Elev. - 1767.1
Claims dredged - 68.69 Sulph
Surface Area - 3.13 Acres
Avg Width cut - 265 Ft
- Length - - 515 -

15160	14948	15054
9	9	9
136440	134532	135486

Thaw Write off

Block 84	Remainder	=	19833	Cu Yds.
85		=	65060	
87	$\frac{250 \times 70 \times 17.7}{27}$	=	11477	
		Total =	96369	

Stripping Write off

X" 209-210	3/4	Remainder	7668	Cu yds
208-209	3/5		26955	
207-208	3/4		27357	
206-207	1/2		11613	
		Total -	73593	

Dredge N° 8 July 1953

Dredge operated 31 days
- dlg 683 hrs. 15 min = 28.47 days = 91.83 %
- lost 60 - 45 - = 2.53 - = 8.17 %
Avg Hgt of Bank = 1.8 FT
- Depth = 18.4 -
Total - = 20.2 -

(6.4)

Surface
1367 − 0456 = 911
2278 − 1367 = 911
911 × 17.67 = 16097 Sq Yds

Bedrock
3238 − 2280 = 958
4186 − 3238 = 948
953 × 17.67 = 16839 Sq Yds
- 32936

Avg Area = 16468

16468 × 20.2/3 = 110884 Cu. Yds

110884/31 = 3577 Cu. Yds per day elapsed time

110884/28.47 = 3895 - - running -

Pond Elev - 1767.5
Claims Dredged - 67-68 Below Sulph.
Surface Area - 3.33 Acres
Avg width cut - 300 Ft.
- length - 520 -

16097 × 9 = 144873
16839 × 9 = 151551
16468 × 9 = 148212

Thaw W/O

Block 87- Remainder = 37289 Cu. Yds.

" 89- " = 49834 "

" 91 - 95 × 180 × 17.1 / 27 = 10830 "

Total = 97953 .

Strip W/O

x² 207-206 - 1/2 Remainder = 5807 Cu. Yds.

206-205 - 2/3 " = 13448 "

205-204 - 2/3 " = 12182 "

204-203 - 2/3 " = 12714 "

203-202 - 3/5 " = 9510 "

202-201 - 1/2 " = 8015 "

201-200 - 3/5 " = 8646 "

200-199 - 3/5 " = 8268 "

Total = 78590 "

Dredge No. 8 — Aug. 1913

Dredge operated 31 days
- Aug 671 hrs. 45 min = 27.99 days = 90.29 %
- lost 72 - 18 - = 3.01 - = 9.71 %
Avg Ht Bank = 0.9 Ft.
- Depth = 17.8 - (L.0)
Total - = 18.7 -

Surface	9075 / 8100 / 975	0046 / 9075 / 971	973 × 17.67	= 17193 Cu Yds.
Bedrock	1048 / 0065 / 983	2027 / 1048 / 979	981 × 17.67	= 17334 -
				+ (345 - 27
			Avg Area	= 17763 -

17763 × 18.7/3 = 107606 Cu Yds

107606/31 = 3471 Cu. Yds per day elapsed time

107606/27.99 = 3844 - - running -

Pond Elev - 1764.6
Claims dredged - 28.69 Bel. Sulph.
Surface area - 3.55 Acres
Avg Width - 200 Ft.
- Length 770 -

17193 / 9 / 154737

17334 / 9 / 156006

17263 / 9 / 155367 /

Thaw W/O

Block 91 - Remainder = 1836 Cu.Yds.

" 91 - $\frac{220 \times 430 \times 17.0}{27}$ = 9562 "

Total = 111398

Strip 10 W/O

92 198-198 - 1/2 Remainder = 667 Cu.Yds.

198-197 - 3/4 " = 8532 "

197-196 - 3/4 " = 9147 "

196-195 - 3/4 " = 9709 "

195-194 - 3/4 " = 8904 "

194-193 - 3/4 " = 9734 "

193-192 - 2/3 " = 10148 "

192-191 - 2/3 " = 9126 "

191-190 - 1/2 " = 5863 "

Total = 74844 "

Dredge. No. 8 September 1953

Dredge operated 30 days
" Avg 643 hrs. 10 min = 26.83 days = 89 % "
" lost 76 " 10 " = 3.17 " = 10.57 %
Avg dept Bank = 1.7 Ft.
" Depth = 15.3 "
Total " = 17.0 "

(6.8)

Surface	9150	0219
	8083	9150
	1067	1069
Bedrock	1301	2373
	0232	1301
	1069	1072

1068 x 17.67 = 18872 Sq. Yds.

1070 x 17.67 = 18906 "

37778

Avg Area = 18889 "

$\frac{18889 \times 17.0}{3}$ = 107038 Cu. Yds

$\frac{107038}{30}$ = 3568 Cu Yds per day elapsed time

$\frac{107038}{26.83}$ = 3989 " " running "

Pond Elev - 1759.4
Claims dredged - 69-71-72 Bet Sulph.
Surface area - 3.90 Acres
Avg Width - 215 Ft.
" Length - 825 "

18872	18906	18889
9	9	9
169848	170154	170001

Thaw Unit

Blocktop - Remainder = 6643 Cu Yds.

- 97 - " = 49436 "

- 99 = 4946 − 4434 = 512 ; 5464 − 4946 = 518 ; 589 ; 5 × 17.67 × 17.5 / 3 = 3045 "

- 101 - 5591 − 5579 = 12 ; 6121 − 5591 = 530 ; 31 × 17.67 × 18.0 / 3 = 3186 "

Total = 11410 "

Strip Unit

#7 191-190 - 63% Remainder = 716 Cu Yds.

190-189 - " = 9516 "

189-188 - " = 10148 "

188-187 - " = 10955 "

187-186 - " = 10529 "

186-185 - " = 9603 "

185-184 - 32% Remainder = 9246 "

184-183 - 26% " = 6 / 8954 "

Total = 73767 "

Dr # 8 October 1953

Dredge operated 31 days 18 for depth
" Dug 191 hrs. 45 min = 24.66 days = 79.54 %
" lost 15 " " = 6.34 " = 20.46 %
Avg Hgt Bank = 1.3 Ft
" Depth = 14.1 "
Total " = 15.4 "

(15.4)

Surface - 8503 / 7407 / 1136 ; 9679 / 8543 / 1136 ; 1136 x 17.67 = 20073 Cu. Yds.

Bedrock - 0809 / 9675 / 1134 ; 1936 / 0809 / 1127 ; 1130 x 17.67 = 19967 / 40040

Avg. Area = 20020

20020 x 15.4 / 3 = 102769 Cu. Yds.

102769 / 31 = 3315 Cu. Yds. per day elapsed time

102769 / 24.66 = 4167 " " running "

Pond Sluice Dr. 3
Claims dredged - 72-73-73 A Bel. Sulpho
Surface area - 4.15 Acres
Avg. Width cut - 225 Ft.
" Length - 760 "

20073 / 9 / 180657 ; 19967 / 9 / 179703 ; 20020 / 9 / 180180

Thaw Watcott

Block 99 — 8181 − 8143 = 38 ; 8217 − 8181 = 36 ; 37 × 17.67 × 17.5 / 3 = 3811 Cu. Yds.
17.5

Block 101 — 8474 − 8367 = 107 ; 8479 − 8474 = 5 ; 5 × 17.67 × 18.0 / 3 = 534
18.0

Total = 9745

Stripping Wentcott

X² 182-183 — 5% Remainder = 1780 Cu Yds.

183-184 — 10% = 4986

184-185 — 6% = 1179

Total = 9945

Dredge No 8 Nov 1943

Shut down Nov 8 - 8:00 PM

Dredge operated 7 days

- dug 134 hrs 40 min = 5.61 days = 80.16 %
- lost 33 " 20 " = 1.39 " = 19.84 %

Avg Ht + Bank = 1.0 Ft.

- Depth = 13.0 "

Total " = 14.0 "

5.0

Surface - 8573 8668 / 8479 8573 — 94 9-

95 x 17.67 = 1679 Sq Yds.

Bedrock - 8758 8848 / 8668 8758 — 92 90

91 x 17.67 = 1607

32.86

Avg. Area = 1643

1643 x 14.0/3 = 7667 Cu. Yds.

7667/7 = 1095 Cu. Yds. per day elapsed time

7667/5.61 = 1367 " " running "

Pond Elev ———

Claims dredged - 73-73A Bed. Sulph.

Surface Area - 0.34 Acres

Avg. Width - 200 Ft

" Length - 40 "

1675 1607 1643 / 6 9 9 — 15411 14463 14787

Thaw Write off

Block 98 — $\frac{130 \times 120 \times 17.0}{27}$ = 9825 Cu Yds.
17.0

Block 99 — $80 \times \frac{130 \times 17.5}{27}$ = 6740 ✓
17.5

Block 100 — $110 \times \frac{110 \times 17.0}{27}$ = 7619 ✓
17.0

Block 101 — $100 \times \frac{90 \times 18.0}{27}$ = 6000 ✓
18.0

Total = 30181 ✓

STRIPPING WRITE OFF

x^n 184 - 185 — ½ Remainder = 9234 Cu. Yds.

183 - 184 — ½ Remainder = 12604 ✓

182 - 183 — ⅙ Remainder = 1691 ✓

Total = 38750

Dredge № 8 — May 1954

Started May 5 - 12 noon

Dredge operated 27 days

- Dug 580 hrs. 50 min = 24.2 days = 89.63 %
- Lost 67 - 10 - = 2.80 - = 10.37 %

Avg Hgt Bank = 1.7 Ft.

- Depth = 14.3 -

Total - = 16.0 -

(5.3)

Surface	8790	9107
	8479	8790
	311	317
Bedrock	9423	9740
	9106	9423
	317	317

314 × 17.67 = 5548 Sq Yds

317 × 17.67 = 5600 Sq Yds

11148

Avg Area = 5574

5574 × 16.0 / 3 = 29728 Cu. Yds.

29728 / 27 = 1101 Cu. Yds. per day elapsed time

29728 / 24.20 = 1228 - - running -

Pond Elev - 1752.0

Claims dredged - 73.73 A Bel. Sulph

Surface Area - 1.15 Acres

Avg Width - 220 Ft.

Length - 215

5548	5600	5574
9	9	9
49932	50400	50166

Thaw Wrote 11

Block 98 - Remainder = 15111 Cu.Yds.

100 - $\frac{270 \times 275 \times 17.0}{27}$ = 46750

102 - $\frac{265 \times 130 \times 19.6}{27}$ = 27008

Total = 86869

Strip Wrote 11

X2 184 - 185 - 3/5 Remainder = 5541 Cu Yds.

183 - 184 - 3/5 = 7563

182 - 183 - 3/5 = 10146

181 - 182 - 3/5 = 18726

180 - 181 - 2/3 = 20104

Total = 62080

Dredge #8 June 19--

Dredge operated 30 days
Dug 670 hrs. 20 min = 27.10 days = 90.33%
Lost 69 - 40 = 2.90 = 9.67%
Avg Dep Bank = 7.6 Ft.
Depth = 10.6
Total = 17.7

(6.)

Surface — 9700 − 8448 = 752 ; 9906 − 9700 = 206

754 × 17.67 = 13323 Cu Yds

Bedrock — 0700 − 9960 = 740 ; 1437 − 0700 = 737

736 × 17.67 = 13005
2328
Avg Area = 13164

13164 × 17.7 / 3 = 75474 Cu. Yds

75474 / 30 = 2516 Cu. Yds. per day elapsed time

75474 / 87.40 = 2784 running

Pond Elev = 1750.4
Claims dredged = 73-73A-74 Bel. Sulph
Surface Area = 2.75 Acres
Avg. Width = 245 Ft.
Length = 5280

13323 / 9 = 119907
13005 / 9 = 117045
13164 / 9 = 118476

Thaw Water

Block 102 — 350 × 300 × 19.6 / 27 = 76222 Cu. Yds.
19.6

104 — 245 × 245 × 21.0 / 27 = 15402 ✓
21.0

Total = 17824

Strip Water off

X3 175-180 — 30% Remainder = 5900 Cu Yds.

176-179 — ✓ = 10793 ✓

177-178 — ✓ = 11136 ✓

176-177 — ✓ = 12384 ✓

175-176 — ✓ = 12533 ✓

174-175 — ✓ = 13402 ✓

173-174 — ✓ = 12727 ✓

Total = 81875 ✓

Dr #8 — July 1954

Dredge operated 31 days
" day 6.5 hrs. 50 min = 27.74 days = 89.49 %
" lost 7.8 " 10 " = 3.26 " = 10.51 %
Avg Mat Bank = 1.3 Ft.
" Depth = 18.5 "
Total " = 19.8 "

(5.8)

Surface

8841	9934
7754	8841
1087	1093

1090 x 17.67 = 19260 Sq. Yds.

Bedrock

0978	2028
9933	0978
1045	1050

1048 x 17.67 = 18518 "

37778

Avg Area = 18889 "

$$18889 \times \frac{6.6}{3} \times \frac{19.8}{3} = 172467 \text{ Cu. Yds.}$$

$$\frac{172467}{31} = 4099 \text{ Cu. Yds per day elapsed time}$$

$$\frac{172467}{27.74} = 4494 \text{ " " running "}$$

Pond Elev = 1747.9
Cells dredged = 74-34 A Below
Surface Area = 3.98 Acres
Avg width = 270 Ft.
" length = 600 "

19260	18518	18889
9	9	9
173340	166662	170001

Thaw Write off

Block 104 - 210 x 210 x 21.0 / 27 = 4861 Cu. Yds.
21.0

" 106 - 410 x 240 x 20.2 / 27 = 73618 ✓
20.2

" 108 - 245 x 215 x 20.0 / 27 = 4137 ✓
20.0

Total = 126766 ✓

Stripping Write off

X 173-174 - 1/4 Remainder = 7425 Cu. Yds.

172-173 - 1/4 ✓ = 10087 ✓

172-171 - 20% ✓ = 11222 ✓

171-170 - 20% ✓ = 10883 ✓

170-169 - 1/3 ✓ = 11981 ✓

169-168 - 1/3 ✓ = 11575 ✓

168-167 - 1/3 ✓ = 12328 ✓

Total = 75501 ✓

Dredge No. 8 — August 1954

Dredge operated 31 days
Avg 678 hrs. 50 min = 28.28 days = 91.24 %
lost 45 " 10 " = 2.72 " = 8.76 %
Avg Height Bank = 1.5 Ft.
" Depth = 19.8 "
Total " = 21.3 "

(5.7)

Surface: 0335 / 9196 / 1139 ; 1473 / 0335 / 1138 ; 1139 × 17.67 = 20126 Cu. Yds.

Bedrock: 2526 / 1469 / 1057 ; 3634 / 2526 / 1080 ; 1084 × 17.67 = 19154

39280

Avg. Area = 19640

$$19640 \times \frac{21.3}{3} = 139444 \text{ Cu. Yds}$$

$$\frac{139444}{31} = 4498 \text{ Cu. Yds per day elapsed time}$$

$$\frac{139444}{28.28} = 4931 \text{ " " running "}$$

Pond Elev — 1741.5
Claims dredged — 74A-75-76 Sulph.
Surface area — 4.16 Acres.
Avg Width — 250 Ft.
" Length — 700

20126 / 5 / 181134 ; 19154 / 9 / 172386 ; 19640 / 9 / 176760

Thaw #1/0

Block #108 - Remainder - 20'×7'×20.0/27 = 1389 = 1213'3 Cu.

" #110 - 90×45'×2.5'/27 = 3045'8 -

" #109 - 330×70×20.0/27 = 17111 -

Total = 16892 -

Stope #1/0

X-cut 167-166 - 1/3 Remainder = 1227'3 Cu Yds.

" 166-165 - " = 2166 -

" 165-164 - " = 2078 -

" 164-163 - " = 2006 -

" 163-162 - " = 2600 -

Total = 9717 -

Dredge No 8 — Sept 1914

Dredge operated 30 days
- Avg hrs per mo = 27.20 days = 90.68 %
- lost " " = 2.80 " = 9.32 %
Avg Ht Bank = 1.3 Ft
" Depth = 14.2 "
Total " = 15.5 "

(1.1)

Surface — 6099 / 4680 / 1419 — 6099 / 1426 — 14.3 × 17.67 = 252144 Sq. Yds.

Bedrock — 8888 / 7525 / 1363 — 8888 / 1329 — 1366 × 17.67 = 24137

24137 / 49281

Avg. Area = 24642

8214 / 24642 × 15.8 / 3 = 129781 Cu. Yds

129781 / 30 = 4326 Cu. Yds. per day elapsed time

129781 / 27.20 = 4771 " " running "

Pond Elev = 1740.0
Claims dredged = 76-77 Bel Suph
Surface Area = 17.20 Acres
Avg. Width = 270 Ft
" Length = 880 "

252144 / 9 = 28016

24137 / 9 = 2681.33

24642 / 9 = 2738

Shaw W/O

Block #108 - Remainder		= 11389 Cu.Yds
✓ #106 -	✓	= 6x018 ✓
✓ #107 19.5	- 410 x 40 x 19.5 ÷ 27	= 13324 ✓
✓ #104 21.0	- 430 x 172 x 21.0 ÷ 27	= 57524 ✓
✓ #105 19.6	- 430 x 70 x 19.6 ÷ 27	= 21347 ✓
		Total = 165598 ✓

Stripping W/O

✗ 176 - 175	- 1/8 Remainder	= 3455 Cu.Yds.
175 - 174	- 1/3 ✓	= 9646 ✓
174 - 173	- 1/3 ✓	= 7424 ✓
173 - 172	- 2/5 ✓	= 12104 ✓
172 - 171	- 2/5 ✓	= 10474 ✓
171 - 170	- 2/5 ✓	= 10158 ✓
170 - 169	- 2/5 ✓	= 9584 ✓
169 - 168	- 2/5 ✓	= 9760 ✓
168 - 167	- 2/5 ✓	= 9864 ✓
167 - 166	- 2/5 ✓	= 9870 ✓
		Total = 91989 ✓

Dredge No 8 October 1924

Dredge operated 31 days
" dug 670 hrs 22 min = 27.93 days = 90.11 %
" lost 73 " 30 " = 3.07 " = 9.89 %
Avg. Hgt. Bank = 3.1 Ft.
" Depth = 14.5 "
Total " = 17.6 "

(F.4)

Surface - 0693 + 9296 = 1397 ; 2080 − 0693 = 1387

139 × 17.67 = 24597 Sq. Yds.

Bedrock 3495 + 2087 = 4408 ; 4914 − 3495 = 1419 ; 4914 − 3507 = 1407

1408 × 17.67 = 24879 "

= 49476

Avg. Area = 24738 "

$\frac{24738 \times 17.6}{3} = 144130$ Cu. Yds

$\frac{144130}{31} = 4682$ Cu. Yds. per day elapsed time.

$\frac{144130}{27.93} = 5196$ " " running "

Pond Elev - 1743.7
Claims dredged - 74A - 75 - 76 Bal Sulph
Surface Area - 5.08 Acres
Avg Width - 230 Ft.
" Length - 915 "

24597	24879	24738
9	9	9
221373	223911	222642

Thaw W/O

Block # 104 - Remainder

- 101 - $\frac{100 \times 70 \times 19.6}{27}$ = 9443 Cu Yds.
- 102 - $\frac{440 \times 140 \times 19.6}{27}$ = 4081 ✓
- 103 - $\frac{443 \times 130 \times 20.5}{27}$ = 44717 ✓
  = 44936 ✓

Total = 102176 -

Strip W/O

x3 175-176 = 1/2 Remainder = 5118 Cu Yds.

176-177 - 2/3 - = 11558 ✓

177-178 - 2/3 - ✓ = 10394 ✓

178-179 - 2/3 - ✓ = 10074 ✓

179-180 - 2/3 - ✓ = 9440 ✓

Total = 46384 ✓

Dredge № 8

November 1954

Dredge operated 30 days (24 days for depth)
" dug 458 hrs 24 min = 23.42 days = 77.6 %
" lost 141 " 34 " = 4.73 " = 22.4 %
Avg Dpt Bank = 4.0 Ft.
" Depth = 13.8 "
Total " = 17.8 "

(5.0)

Surface — 2484 / 1660 / 8 24 — 3313 / 2484 / 8 28

Bedrock — 4142 / 3310 / 832 — 4970 / 4142 / 828

8 27 × 17.67 = 14613 Sq Yds.

830 × 17.67 = 14666 −
(27 79)
14639

Avg Area

14639 × 17.8 / 3 = 86858 Cu Yds

86858 / 30 = 2895 Cu Yds per day elapsed time

86858 / 23.77 = 3733 " " running "

Pond Elev — 1747.0
Claims dredged — 74-74 A
Surface Area — 3.02 Acres
Avg width — 270 Ft.
" Length — 500 "

14613 (9) 14666 (7) 14639 (9)

13157 13199 13171

Thaw Writeoff

Block 100 Remainder = 2752.81 Cu.Yds

- 102 " = 9729 "

" 101 / 18.0 — 150 × 180 × 18.0 / 27 = 18000 "

" 103 / 20.5 — 180 × 70 × 20.5 / 27 = 9567 "

Total = 62077

Strip Writeoff

x² 180-181 - 2/3 Remainder = 4020 Cu.Yds.

181-182 - 2/3 " = 4994 "

182-183 - 1/4 " = 1191 "

Total = 10205 "

Dredge № 8 — May 19--

Started May 4- 4:--pm.

Dredge operated 28 days

- dug 60- hrs 2- min = 2-.23 days = 90.09%
- lost 66 - 3- - = 2.77 - = 9.91%

Avg. Hgt. Bank = 3.3 Ft.
- Depth = 14.7 -
Total - = 18.0 -

(-.3)

Surface

9234	9625	
8850	9234	
384	391	

388 × 17.67 = 6856 Sq. Yds.

Bedrock

0013	0870	
9619	0472	
394	398	

396 × 17.67 = 6997 -

2 | 1381.3

Avg. Area = 6927 -

$69\text{-}27 \times \frac{18.0}{3} = 4156\text{-}$ Cu. Yds.

$\frac{4156}{28} = 1484$ Cu. Yds. per day elapsed time

$\frac{4156}{25.23} = 1647$ - - running -

Pond Elev. - 1750.-
Claims dredged - 73 A - 74 Bel. Sulph.
Surface Area - 1.42 Acres.
Avg Width Cut - 270 Ft.
- Length - 240 -

6856	6997	6927
9	9	9
61704	62973	62343

Thaw W/O

Block 101 - Remainder = 60√60 Cu Yds.

" 103 - (Remainder 10√388) - (300×50×20.√ / 27 (11389)) = 94000 "

Total - 15411-60 "

Strip W/O

X² 183-182 - 2/3 Remainder = 5784 Cu. Yds.

182-181 - 2/3 " = 4994 "

181-180 - 3/3 " = 3618 "

180-179 - 2/3 " = 9240 "

179-178 - 2/3 " = 10074 "

178-177 - 2/3 " = 10394 "

177-176 - 2/3 " = 11√60 "

Total: √3664 "

Dredge #8 June 1957

Dredge operated 30 days
" Dug 667 hrs 20 min = 27.7 days = 92.4%
" lost 44 " 40 " = 2.28 " = 7.6%
Avg Hgt Bank = 2.9 ft
" Depth = 14.4 "
Total " = 17.3 "

(5.2)

Surface	3500	4688	1188 × 17.67 = 20992 Cu Yds
	2312	3500	
	1188	1188	
Bedrock	5884	7069	1182 × 17.67 = 20886 "
	4706	5884	41878
	1178	1185	Avg Area = 20939 "

$20939 \times \frac{17.3}{3} = 120748$ Cu. Yds.

$\frac{120748}{30} = 4025$ Cu. Yds per day elapsed Time

$\frac{120748}{27.7} = 4356$ " " running "

Pond Elev. - 1748.9
Claims dredged - 73 A-74 Below Tulsh
Surface Area - 4.34 Acres
Avg Width - 270 Ft.
" Length - 700 "

20992	20886	20939
9	9	9
188928	187974	188451

Thaw W/O

Block 103 -	Remainder	=	11388 Cu.Yds.
" 104 -	"	=	96776 "
" 107 -	3/4 "	=	48234 "
		Total =	156398 "

Strip W/O

Yd. 176-175	- 2/3 Remainder	=	13648 Cu.Yds
175-174	- 2/3 "	=	12862 "
174-173	- 2/3 "	=	9898 "
173-172	- 2/3 "	=	12104 "
172-171	- 2/3 "	=	10474 "
171-170	- 2/3 "	=	10158 "
170-169	- 2/3 "	=	9584 "
169-168	- 2/3 "	=	9260 "
168-167	- 1/3 "	=	4931 "
		Total =	92919 "

Dredge № 8 — July 1917

Dredge operated 31 days
" dug 687 hrs. 30 min = 28.6 " days = 92.41 %
" lost 5 " 30 " = 2.37 " " = 7.59 %
Avg. Ht Bank = 2.1 Ft.
" Depth = 16.2 "
Total " = 18.3 "

(5.0)

Surface — 7169 / 8440 / 13.69 = 8530 / 7169 / 1381 = 9923 / 8530 / 1373

1377 × 17.67 = 24332 Cu. Yds.

Bedrock — 1309 / 9927 / 1382 = 2488 / 1309 / 1379

1381 × 17.67 = 24407 "

" 48734

Avg Area = 24367 "

24367 × 6.1/3 / 18.3 = 148796 Cu. Yds.

148796 / 31 = 4793 Cu. Yds. per day elapsed time

148796 / 28.6 = 5186 " " running "

Pond Elev — 1742.6
Claims dredged — 74A-7 Bel Sulph.
Surface Area — 5.03 Acres
Avg Width — 260 Ft.
" Length — 880 "

24332 / 9 = 218988

24407 / 9 = 219618

24367 / 9 = 219303

Shaw Writeoff

Block 107 - Remainder = 16077 Cu.Yds.

" 109 - " = 70098 "

" 111 - $38\frac{5}{27} \times \frac{270}{27} \times 21.0$ = 74861 "

Total = 161036 -

Strip. Writeoff

x2	168-167	- 1/3 Remainder	=	3287 Cu.Yds.
	167-166	- 2/3 "	=	9820 "
	166-165	- 3/4 "	=	8310 "
	165-164	- 3/4 "	=	7530 "
	164-163	- 3/4 "	=	7521 "
	163-162	- 3/4 "	=	8475 "
	162-161	- 2/3 "	=	14430 "
	161-160	- 2/3 "	=	14297 "
			Total =	73645 "

Dredge #8 August 1957

Dredge operated 31 days
- dug 669 hrs. 25 min = 27.89 days = 89.96%
- lost 74 - 35 - = 3.11 - = 10.02%
Avg Hgt Bank = 1.5 Ft.
- Depth = 16.4 - (5.0)
Total - = 17.9 -

Surface	3587	4990		1410 x 17.67 = 24915 Sq. Yds.	
	2170	3587			
	1417	1403			
Bedrock	4403	7786	9178	1394 x 17.67 = 24631	-
	3007	4403	7786		49546
	1396	1383	1392		

Avg Area = 24773 -

$24773 \times \frac{17.9}{9} = 147817$ Cu. Yds

$\frac{147817}{31} = 4768$ Cu. Yds. per day elapsed time

$\frac{147817}{27.89} = 5300$ - - running -

Pond Elev 1739.1
Claims dredged - 76-77 Bel. Sulph.
Surface Area - 5.1 Acres
Avg. Width - 260 Ft.
- Length - 750 -

24915	24631	24773
9	9	9
224235	221679	222957

Thaw W/O

Block 110 — Remainder = 161358 Cu Yds

Stripping W/O

X[3] 16+-161- 4/5 Remainder = 17316 Cu Yds.

161-160- 4/5 - = 17124 -

160-N9- 1/2 - = 18313 -

N9-N8- 1/2 - = 19222 -

Total = 71975 -

Dredge No: 8 Sept 1952

Dredge operated 30 days
- dug 657 hrs. 20 min = 27.31 days = 91.02 %
- lost 64 - 40 - = 2.69 - = 8.98 %
Avg Hgt Bank = 2.4 Ft
- Depth = 14.4 - (5.0)
Total - = 16.8 -

Surface - 2651 / 1383 / 1268 ; 3918 / 2651 / 1267

1268 × 17.67 = 22406 Sq. Yds.

Bedrock - 1463 / 3909 / 1446 ; 6478 / 1463 / 1015

1259 × 17.67 = 22246 -

Avg Area = (44652 - 22246) / 3 6 -

22246 × 16.8 / 3 = 124056 Cu. Yds.

124056 / 30 = 4168 Cu. Yds. per day elapsed time

124056 / 27.31 = 4578 / - running -

Pond Elev - 1737.0
Claims dredged - 76 Below
Surface area - 4.63 Acres
Avg Width - 201 Ft.
- Length - 910 -

22406 / 5 = 201614 ; 22246 / 9 = 200214 ; 2246 / 9 = 20034

Thaw Writeoff

Block 111 - 400 × 220 × 21.0 / 27 = 68444 Cu. Yds.
21.0

Block 113 - 440 × 170 × 21.5 / 27 = 60916 ✓
21.5

Block 112 - 140 × 170 × 20.5 / 27 = 18602 ✓
20.5

Total = 147962 ✓

Strip Writeoff

x⁵⁰ 159-160 - 3/4 Remainder = 13734 Cu. Yds.

158-159 - 3/4 ✓ = 14415 ✓

157-158 - 55% ✓ = 21167 ✓.

156-157 - 54% ✓ = 20652 ✓

Total = 69968 ✓

Dredge № 8 October 1945

Dredge operated 31 days.
- dug 677 hrs. 50 min = 28.24 days. = 91.11 %
- lost 66 - 10 - = 2.76 - = 8.89 %
Avg. Hgt Bank = 3.6 ft.
- Depth = 14.8 -
Total - = 18.4 -

(5.0)

Surface	4353 − 3150 = 1203	5552 − 4353 = 1199	1201 × 17.67 = 21222 Cu. Yds.
Bedrock	6735 − 5550 = 1185	7913 − 6735 = 1178	1182 × 17.67 = 20886
			21 2108
			Avg Area = 21054

$$\frac{7018}{21054} \times \frac{18.4}{3} = 129131 \text{ Cu. Yds.}$$

$$\frac{129131}{31} = 4165 \text{ Cu. Yds per day elapsed time}$$

$$\frac{129131}{28.24} = 4573 \text{ - - running -}$$

Pond Elev - 1736.8
Claims dredged - 77-78 Bel. Subst.
Surface Area - 4.38 Acres
Avg Width - 200 Ft.
- Length - 1000 -

21222	20886	21054
9	9	9
190998	187974	189486

Thaw W/O

Block #11 x 20.5 — 1979 x 20.5 / 3 = 13523 Cu.Yds.

Strip. W/O

X 158-157 - 1/5 Remainder = 3463 Cu.Yds.

157-156 - 1/5 " = 3518 "

Total = 6981 "

Dredge #8 — November 19--

Shut down Nov 11 - 9:00 AM

Dredge operated 10 days
- dug 194 hrs. 0 min = 8.08 days = 80.83 %
- lost 46 - 0 - = 1.92 - = 19.17 %
Avg. Hgt Bank = 2.1 Ft
- Depth = 16.0 -
Total - = 18.1 -

(5.0)

Surface	0763	0872	112 x 17.67 = 1979 Sq. Yds.
	0669	0763	
	114	109	
Bedrock	0969	1080	110 x 17.67 = 1943 -
	0860	0969	
	109	111	
			2 (3922
			Avg. Area = 1961 -

$\frac{1961 \times 18.1}{3}$ = 11831 Cu. Yds.

$\frac{11831}{10}$ = 1183 Cu. Yds per day elapsed time

$\frac{11831}{8.08}$ = 1464 - - running -

Pond Elev - 1836.8
Claims dredged - 77.78 Below Tulsh.
Surface Area - 0.41 Acres
Avg Width - 200 Ft
- Length - 100 -

1979	1943	1961
9	9	9
17811	17487	17649

Thaw W/O

Block #11 - 190 x 100 x 20.5 / 27 = 1388 Cu Yds.
20.5

Strip W/O.

#2 N-7-18 - 2/3 Remainder = 936 Cu Yds.
18-19-7 2/3 " = 918 "
Total = 1854 "

Dredge № 8 — May 19.56

Started May 4 - 11:30 A.M.

Dredge operated 28 days

" dug 611 hrs. or min. = 25.46 days = 50.94 %

" lost 60 " 25 " = 2.54 " = 9.06 %

Avg Hgt Bank = 20 Ft.

" Depth = 16.5 "

Total " = 18.5 "

(5.3)

Surface			
	0121	0400	0673
	9853	0121	0400
	268	279	273

273 × 17.67 = 4825 Cu Yds

Bedrock		
	0950	1234
	0670	0950
	280	284

283 × 17.67 = 5000

5000

9825

Avg Area = 4912

$4912 \times \frac{18.5}{3} = 30291$ Cu Yds.

$\frac{30291}{28} = 1082$ Cu. Yds. per day elapsed time

$\frac{30291}{25.46} = 1190$ " " running "

Pond Elev - 1734.5

Claims dredged - 77-78 Bel Sulph

Surface Area - 1.00 Acre

Avg Width Cut - 215 Ft

" Length " - 190 "

4825	5000	4912
9	9	9
43416	45000	44208

Thaw W/O

Block 112 — 20.5' — 119x7 x 20.5'/3 = 8150 Cu Yds.

Strip W/O

No 158-157	—	1/2 Remainder	=	2310 Cu Yds.
157-156	—	2/3 "	=	3194 "
156-155	—	2/3 "	=	1514 "
155-154	—	2/3 "	=	15056 "
				35674 "

Do #8 June 19-6

Dredge operat=d 30 days
" Avg 6.9 hrs w.r min = 27.49 days = 91.63 %
" lost 6.0 - 1.5 - = 2.51 - = 8.37 %
Avg Hgt Boom: 3.5 ft.
" Depth = 15.2 -
Total " = 18.7 -

(5.0)

Surface 178 178 678
408 178
670 680

675 × 17.67 = 11927 Sq. Yds

Bedrock 6499 7148
788 6499
6411 649

647 × 17.67 = 11432 -
- 33.9
Avg Area = 11679 -

3893
11679 × 18.7 = 7.799 Cu. Yds.
3

7.799 = 1.27 Cu. Yds per day elapsed time
30

7.799 = 648 - - running -
12.49

Pond Elev - 1734.9
Claims dredged - 77-78 Bel. Surface
Surface Area - 2.46 Acres
Avg width - 200 ft.
" Length - 650 -

11927 11432 11679
9 9 9
107343 102888 105111

Beam M/O

Block 112 - 200 × 170 × 20.5 / 27 = 7592 Cu.Yds.
20.5

" 113 - 420 × 310 × 21.5 / 27 = 103677 "
21.5

" 114 - 420 × 100 × 22.0 / 27 = 34272 "
22.0

Total = 145491 "

Strip M/O

X-Sec 156-152 - 3/4 Remainder = 17004 Cu Yds.

155-154 - 3/4 " = 1698 "

154-153 - 3/4 " = 1508 "

153-152 - 3/4 " = 1584 "

Total = 6596 "

Dredge № 8 — July 1956

Dredge operated 31 days
- Aug 673 hrs. 20 min = 28.06 days = 90.5%
- Past 70 - 40 - = 2.94 - = 9.5%
Avg Hgt Bank = 3.4 Ft
- Depth = 16.6 -
Total - = 20.0 (5.4)

Surface	0302 / 9054 / 1248	1537 / 0304 / 1233	2781 / 1537 / 1244	1246 × 17.67 = 22017 Cu Yds
Bedrock	3991 / 2775 / 1216	5214 / 3991 / 1223		1220 × 17.67 = 21577
				× 43574
				Avg Area = 21787

21787 × 20.0 / 3 = 145246 Cu. Yds

145246 / 31 = 4685 Cu Yds per day elapsed time

145246 / 28.06 = 5176 - - running -

Pond Elev = 1730.1
Claims dredged = 78.79 Bel. Salpah.
Surface Area = 4.54 Acres
Avg Width = 200 Ft.
- Length = 930 -

22017	21577	21787
9	9	9
198153	194013	196083

Thaw K/O

Block #112 - Remainder = 56844 Cu Yds.

" 114 - $\frac{280 \times 450 \times 21.0}{27}$ = 98466 "

Total = 154830

Strip VI/O

X-2 IV4 - IV3 - 3/4 Remainder = 17387 Cu Yds

IV3 - IV2 - 3/4 " = 29712 "

IV2 - IV1 - 1/3 " = 12449 "

IV1 - IV0 - 1/3 " = 12168 "

Total = 71711 "

Dredge No. 6 August 1926

Dredge operated 31 days
Aug 671 hrs. or min = 27.96 days = 90.20 %
lost 72 " " = 3.04 " = 9.80 %
Avg Hgt Bank = 2.3 ft.
" Depth = 15.3 "
Total " = 17.6 "

(5.1)

Surface - 3739 / 1311 — 13873 / 5010 / 1303

1307 x 17.67 = 23095 Cu Yds

Bedrock - 7647 / 6373 / 1274 — 8930 / 7647 / 1283

1288 x 17.67 = 22759 -
2 (11584) -

Avg. Area = 22977 -

22977 x 17.6 / 3 = 134505 - Cu. Yds

134505 / 31 = 4339 Cu. Yds. per day elapsed time

134505 / 27.96 = 4811 " " running -

Pond Elev - 1733.1
Claims dredged - 78-79 Bel. Salpeh.
Surface Area - 4.77 Acres
Avg. Width - 200 Ft.
" Length - 1020 -

23095 / 9 = 2078 55 -

22977 / 9 = 204831

22977 / 9 = 206343

Thaw W/O

Block 114 - 130 × 200 × 21.0 / 27 = 20222 Cu Yds.

✓ 115 - 290 × 480 × 22.0 / 27 = 113422 ✓

✓ 117 - 115 × 485 × 22.8 / 27 = 47099 ✓

Total = 180743 ✓

Strip W/O

No 157-151 - 3/4 Remander = 1867 Cu Yds.

157-150 - 3/4 ✓ = 1852 ✓

150-149 - 3/5 ✓ = 1380 ✓

149-148 - 3/5 ✓ = 1994 ✓

Total = 68301 ✓

Dredge #8 — Sept 1956

Dredge operated 30 days
- " dug 655 hrs. 15 min = 27.18 days = 90.59%
- " lost 67 " 45 " = 28 " = 9.41%
Avg Height Bank = 3.0 ft
- " Depth = 16.6 "
Total " = 19.6 "

(5.1)

Surface

2894 / 1441 / 1453 ✓ — 4346 / 2894 / 1452 ✓

1453 × 17.67 = 25675 ✓ sq yds

Bedrock

5801 / 4357 / 1444 ✓ — 7227 / 5801 / 1426 — 8670 / 7227 / 1443 ✓

1443 × 17.67 = 25498 ✓ sq yds

2) 51173

avg area 25586 ✓ sq yds.

25586 × 19.6 / 3 = 167162 ✓ cu yds.

167162 / 30 = 5572 ✓ cu yds per day elapsed time

167162 / 27.18 = 6150 ✓ cu yds per day running time

Pond Elev. - 1773.4 ?
Claims dredged - 79 Bel Sulph.
Surface Area - 5.30 ACRES.
Avg. Width - 390
" Length - 550

25675 / 9 / 231075 ✓

25498 / 9. / 229482 ✓

25586 / 9 / 230274 ✓

Thaw W/O

Block 114 - Remainder = 5902 Cu.Yds.

" 116 - $\frac{300 \times 110 \times 20.4}{27}$ = 24933 = 9+933 -

$\frac{300 \times 300 \times 20.4}{27}$ = $\frac{68000}{9+933}$ Total = 15 1954

Strip W/O

X2 150 - 149 - 81.4% Remainder = 18780 Cu Yds.

149 - 148 - 81.4% " = 1952.8 -

148 - 147 - 31.7% " = 12209 -

147 - 146 - 31.7% " = $\frac{1168.5}{}$ -

Total = 6+201 -

Dr # 8 Oct 1956

Dredge Operated 31 days - 30 for depth

" Dug 613 hrs. 15 mins = 25.55 days = 82.43%

" Lost 130 " 45 " = 5.45 " = 17.57%

Avg Hgt Bank = 2.0 ft

" Depth " = 14.4 ft

Total " = 16.4 ft

(5.0)

Surface

9809 / 8.646 / 1163

10980 / 9809 / 1171

1167 17.67 = 20,621 Sq Yds.

Bedrock

2132 / 0996 / 1136

3276 / 2132 / 1144

1140 17.67 = 20,144 Sq Yds

2) 40,765

Avg. Area = 20,383 Sq Yds.

$$20,383 \times \frac{16.4}{3} = 111,428$$

$$\frac{111,428}{31} = 3,594 \text{ Cu Yds per day elapsed time}$$

$$\frac{111428}{25.55} = 4,361 \text{ " " " " running "}$$

Pond Elev =

Claims Dredged = 79, 80 B.S.

Surface Area - 4.21 Acs

Avg Width . - 300'

" Length - 620'

20,621 / 9 / 185589

20144 / 9 / 181296

20,383 / 9 / 183447

Thaw Wrotnaft

Block 116 - 2827 x $\frac{6.8}{3}$ = 19224 Cu Yds

Strip W/O

x² 148-147 - 1/7 Remainder = 3778 Cu. Yds

147-146 - 1/7 " = 3597 "

Total = 7375 "

DREDGE N° 8 NOV. 1956

Shut down Nov 7 - 2:30 pm

DREDGE OPERATED 6 DAYS.

" DUG 117 HRS. 15 MIN = 4.89 DAYS = 81.42 %

" LOST 26 " 45 " = 1.11 " = 18.58 %

AVG. HGT. OF BANK = 2.3 FT

" DEPTH " = 14.5 "

TOTAL = 16.8

5.3

SURFACE

8464 − 8305 = 159 ✓

8624 − 8464 = 160 ✓

= 160 × 17.67 ✓ 2,827 SQ YDS.

BEDROCK

8783 − 8626 = 157 ✓

8940 − 8783 = 157 ✓

= 157 × 17.67 ✓ 2774 SQ YDS.

2)5601 ✓

AVG. AREA = 2806 ✓ SQ YDS.

$2806 \times \frac{5.6}{16.8} = 15{,}714$ ✓ CU. YDS.

$\frac{15{,}714}{6} = 2{,}619$ ✓ CU. YDS PER DAY ELAPSED TIME

$\frac{15{,}714}{4.89} = 3{,}213$ ✓ " " " " RUNNING "

POND ELEV —

CLAIMS DREDGED 79 & 80 BEL. SUL.

SURFACE AREA - .57 ACRES.

AVG WIDTH - 190

LENGTH - 130

2827 × 9 = 25443 ✓

2774 × 9 = 24966 ✓

2806 × 9 = 25254 ✓

Thaw W/O

Block 116 - 175 × 200 × 20.4 / 27 = 26444 Cu Yds.

- 147 - 490 × 210 × 22.8 / 27 = 86893 -

Total = 113337 ✓

Strip W/O

X146-147 - 5/6 Remainder = 17985 Cu Yds

147-148 - 5/6 ✓ = 18790 -

Total = 36775 ✓

Dredge Nº 8 — May 1957.

Started May 2 - 7:00 pm.

Dredge Operated 30 Days.

Dug 627 Hrs. 45 mins = 26.16 Days = 87.19 %

" 92 " 15 " = 3.84 " = 12.81 %

Avg. Hgt. of bank = 2.6'

" Depth = 16.2 (5.0)

Avg Total Depth 18.8

Surface

10062	0942	1821		
9188	0062	0942	=	880 × 17.67 = 15,550 Sq Yds
874	880	879		

Bedrock

2708	3580	4449		
1831	2708	3580		
877	872	869		871 × 17.67 = 15391 Sq Yds

2) 30941

15,471

5157

15,471 × 18.8/3 = 96,952 Cu. Yds.

96,952 / 30 = 3,232 Cu. Yds Per day elapsed time

96952 / 26.16 = 3,706 " " Running "

Pond elev 1732.0

Claims dredged 79 80 bel.

Surface Area 3.2 Acres

Avg. Length = 650'

" Width = 210'

15550	15391	15471
9	9	9
139950	138519	139239

Thaw W/o.

block	117	$160 \times \frac{470 \times 22.8}{27}$	= 64853
	22.8		
block	116	Remainder	= 93279
block	118	$\frac{50 \times 530 \times 20.0}{27}$	= 19630
	20.0		
block	119	$\frac{35 \times 450 \times 21.5}{27}$	= 12541
	21.5		
		Total	= 190303

Stripping W/o.

X.C	145 - 146	9/10 of remainder	= 13878
"	144 - 145	9/10 " "	= 3608
"	143 - 144	1/6	= 653
		Total	18139

Dredge № 8 June 1957

Dredge Operated 30 Days.
" Dug. 649 Hrs 40 mins = 27.07 days = 90.23%
" Lost 70 " 20 " = 2.93 " = 9.77%
Avg. Hgt of bank. = 2.6'
" Depth. = 15.4'
Total = 18.0

Surface. 2735 − 1355 = 1380 ; 4105 − 2735 = 1370
= 1375 × 17.67 = 24296 Sq yds.

Bedrock. 5466 − 4103 = 1363 ; 6821 − 5466 = 1355
= 1359 × 17.67 = 24014 Sq yd.
2) 48310
Avg. 24155

$24{,}155 \times \frac{18'}{3} = 144{,}930$ Cu yds.

$\frac{144930}{30} = 4{,}831$ Cu yds per day elapsed time

$\frac{144930}{27.07} = 5{,}354$ " " " " Running "

Pond Elev. 1732.8
Claims Dredged 80 bcl Solph.
Surface Area. 5.02 acres.
Avg. Length. = 1090'
" Width. = 210'

24296 × 9 = 218,664
24014 × 9 = 216,126
24155 × 9 = 217,395

Thaw W/O

Block 118 — 2/5 of REMAINDER = 83082 Cu. yds.

Block 119 — $\frac{275 \times 440 \times 21.5}{27}$ = 96,352 " "

TOTAL = 179,434

Strip W/O

X^ns	144-145	1/3 REMAINDER	=	1172 Cu Yds
"	143-144	REMAINDER — 1/8	=	27762 "
"	142-143	7/8	=	36764 " "
"	141-142	1/3	=	14928 " "
"	140-141	1/10	=	4469 " "
			TOTAL =	85,095

Dredge № 8 — July 1957

Dredge operated 31 days
- Dug 663 hrs. 15 min. = 27.64 days = 89.15 %
- Lost 80 " 45 " = 3.36 " = 10.85 %

Avg. Hgt Bank = 2.5 ft
- Depth = 15.4 "
Total = 17.9 "

(5.5)

Surface

3900	5475	7046
2310	3900	5475
1590	1575 ✓	1571 ✓

1573 ✓ × 17.67 = 27795 ✓ Sq. Yds.

Bedrock

8545	10093
7000	8545
1545 ✓	1548 ✓

1547 ✓ × 17.67 = 27335 ✓ Sq. Yds.

2) 55130

Avg. Area = 27565 ✓.

$27{,}565 \times \frac{17.9}{3} = 164{,}471$ ✓ ✓ ✓ ✓ Cu Yds

$\frac{164471}{31} = 5{,}306$ ✓ Cu Yds per day elapsed time

$\frac{164471}{27.64} = 5{,}950$ ✓ " " " " Running "

Pond Elev — 1729.2
Claims dredged — 80, & 81, Bel. Sulph.
Surface Area — 5.74 acres
Avg. Width — 210'
- Length — 1300'

27795	27335	27565
9	9	9
250155 ✓	246015 ✓	248085 ✓

THAW W./O.

BLOCK	118	9/10	REMAINDER	112159	CU. YDS.
"	119	1/3	"	39908	"
BLOCK	120		$\frac{135 \times 405 \times 20.0}{27}$	40,500	"
	20.0		TOTAL =	192,567	

STRIP W./O.

X-9	138 - 139	1/3	REMAINDER	15039	CU. YDS.
"	139 - 140	2/5	"	17018	"
"	140 - 141	7/8	"	35199	"
"	141 - 142	4/5	"	23886	"
			TOTAL =	91,142	

DREDGE # 8

Aug 1957

DREDGE OPERATED 31 DAYS
" DUG 665 HRS. 45 MINS = 27.74 DAYS = 89.48 %
" LOST 78 " 15 " = 3.26 " = 10.52 %
AVG. HGT. OF BNK. 1.6'
" DEPTH 15.7'
TOTAL 17.3' (5.5)

SURFACE 7683 9405
5959 7683
1724 1722
= 1723 × 17.67 = 30445 SQ. YDS.

BEDROCK 11091 2776
9409 1091
1682 1685
= 1684 × 17.67 = 29756 " "
2) 60201
AVG AREA = 30101

$\frac{30101 \times 17.3}{3}$ = 173,582 CU. YDS.

$\frac{173,582}{31}$ = 5,599 CU YDS PER DAY ELAPSED TIME

$\frac{173,582}{27.74}$ = 6,257 " " " " RUNNING "

POND ELEV 1731.4 ~~1713.4~~
CLAIMS - DREDGED - 81 + 81A BEL SUL.
SURFACE AREA - 6.29
AVG WIDTH - 200
" LENGTH - 1350

30445
9
274005

29756
9
267804

30101
9
270909 -

Thaw W/O

Block 118 - Remainder = 12462 Cu Yds.

- 119 - 400 × 400 × 21.5 / 27 = 18394 "

- 120 - 350 × 230 × 20.0 / 27 = 59630 "

- 121 - 435 × 350 × 20.8 / 27 = 117289 "

Total = 207775 "

Strip W/O

Sta 140-139 - 4/5 - Remainder = 20420 Cu Yds.

139-138 - 4/5 " = 24120 "

138-137 - 5/6 " = 27108 "

137-136 - 5/6 " = 26266 "

Total = 97918 "

Dredge # 8 Sept 1947

Dredge operated 30 days
Aug 653 hrs 40 min = 27.24 days = 90.75 %
Sept 66 " 30 " = 2.76 " = 9.25 %
Avg Stiff Bank = 2.0 ft
" Depth = 15.8 "
Total = 17.8 " (1.0)

Surface — 3147 / 1492 / 1653 — 1012 / 9324 / 1638 — 1656 x 17.67 = 29261 Sq Yds.

Bedrock — 2640 / 1002 / 1638 — 420 / 2640 / 1620 — 1634 x 17.67 = 28873 − (1814) Avg. Area = 29067

9689
29067 x 17.8 / 3 = 17 2464 Cu. Yds.

17 2464 / 30 = 749 Cu. Yds per day elapsed time

17 2464 / 27.24 = 6331 " " running "

Pond Elev - 17 9.6
Claims dredged - 81A Del Sulphn.
Surface Area - 6.04 Acres
Avg. Width - 200'
" Length - 1260'

29261 / 5 = 263349
28873 / 5 = 259857
29067 / 5 = 261603

Thaw W/O

Block #20 - Remainder = 1105.17 Cu Yds

" #122 - $\frac{95 \times 600 \times 20.1}{27}$ = 4433 -

Total = 15538.70

Strip W/O

x12 136-137 - 3/4 Remainder = 1597 Cu Yds.

137-136 - 3/4 " = 1477 -

136-135 - 1/2 Remainder = 2479.91 -

135-134 - 1/2 " = 2443 -

134-133 - 1/8 " = 517 -

Total = 8998

Dredge No 8 — October 1947

Dredge operated 31 days
" dug 660 hrs 30 min = 27.5 days = 88.7 %
" lost 83 - 30 - = 3.48 " = 11.3 %
Avg Hgt Bank = 1.8 Ft.
" Depth = 14.7 "
Total " = 16.5 "

(5.0)

Surface

0343	1711	2060
8978	0343	0711
1365	1368	1349

1367 × 17.67 = 24155 Sq Yds

Bedrock

4401	5767	7133
3029	4401	5767
1372	1366	1366

1366 × 17.67 = 24137 Sq. Yds.

2 ⟌ 48292

Avg. Area = 24,146 Sq. Yds.

$$\frac{24,146 \times 16.5}{3} = 132,803 \text{ Cu Yds.}$$

$$\frac{132\,803}{31} = 4,284 \text{ Cu. Yds per day Elapsed Time}$$

$$\frac{132\,803}{27.52} = 4,826 \text{ " " " " Running "}$$

Pond Elev — 1728.5
Claims dredged — 81 A 82 Bel Sulph.
Surface Area — 4.99 acres.
Avg width — 200'
" Length — 1100'

24,155	24137	24,146
9	9	9
217395	217,233	217,314

Thaw W/O

Block #1x1 — 430 x 105 x 20.8 / 27 = 3498 Cu. Yds.

1 #1x3 = 410 x 105 x 20.8 / 27 = 3364 ✓

Total = 6946

Strip W/O

x^m 136 - 135 — 3/4 Remainder = 1894 Cu. Yds.

135 - 134 — 3/4 " = 1404 ✓

134 - 133 — 1/8 " = 461

Total = 1760

Dredge No. 8 — November 1957

Shut down Nov. 22 - 6:30 AM.

Dredge operated 21 days

Avg. Hyd. hrs. 10 min = 17.30 days = 82.37 %

Lost 88 - 70 - = 3.70 - = 17.63 %

Avg. Hyd. Bank = 1.0 Ft.

" Depth = 17.0 "

Total " = 18.0 "

(5.0)

Surface

0820	1400	1983
0231	0820	1400
589	580	583

582 × 17.67 = 10,284 Sq. Yds.

Bedrock

2582	3168
1990	2582
592	586

589 × 17.67 = 10,408 Sq. Yds.

2) 20,692

Avg. Area = 10,346 Sq. Yds

$$\frac{10{,}346 \times 18.0}{3} = 62076 \text{ Cubic yards}$$

$$\frac{62076}{21} = 2{,}956 \text{ Cubic Yards per day elapsed time}$$

$$\frac{62076}{17.30} = 3588 \text{ " " " " Running "}$$

Pond Elev. — 1724.9

Claims dredged — 81 A 82 Bel. Sulph.

Surface Area — 2.12 Acres

Avg. Width — 200

" Length — 470

10284	10408	10346
9	9	9
92556	93672	93114

Trans W/O

Block # 183 - 480 × 240 × 20.8 / 27 = 88746 Cu Yds
20.8

Block # 177 - 120 × 235 × 20.1 / 27 = 21242 ✓
20.1

Total 114988 ✓

Strip W/O

X² 134-133 - 75% Remainder = 16600 Cu Yds.

133-132 - 75% ✓ = 19062 ✓

132-131 - 26% ✓ = 9707 ✓

Total = 45369 ✓

Dredge # 8 Started May 1st 9:00 A.M. 1958

Dredge Operated 31 days.
" Dug 645 Hrs. 55 mins. = 26·91 days = 86·82%
" Lost 98 " 05 " = 4·09 " = 13·18%
Avg. Hgt. of Bank = 1·6 Feet
" Depth = 15·7 "
" Totoil = 17·3 " (5·2)

Surface
8031 8930 9802
7143 8031 8914
888 899 888
888 × 17·67 = 15,691 Sq Yds

Bedrock
10608 1483
9736 0608
872 875
874 × 17·67 = 15,444 Sq. Yds.

15,444
2)31135
Avg. Area = 15,568 Sq. Yds.

$\frac{15,568 \times 17·3}{3}$ = 89,775 Cubic Yards

$\frac{89,775}{31}$ = 2,896 Cubic Yards per day Elapsed Time

$\frac{89,775}{26·91}$ = 3,336 " " " " Running Time

Pond Elev. — 1725·9
Claims dredged — 82 Bel Sulph
Surface Area. — 3·2 Acres.
Average width — 225
" Length — 620'

15691 × 9 = 141,219
15,444 × 9 = 138,996
15,568 × 9 = 140,112

Thaw W/O

Block # 122 - 23793 × 20.1 / 3 (6.7) = 159413 CY6

Strip W/O

X 134 - 133	- 4/5	Remainder	= 12260 CY3
133 - 132	- 4/5	"	= 14076 "
132 - 131	- 1/3	"	= 13813 "
131 - 130	- 1/3	"	= 14712 "
130 - 129	- 1/3	"	= 8686 "
		Total	= 63547 "

Dredge # 8 June 1958

Dredge Operated 30 days
" Dug. — 644 hrs. 05 mins = 26·84 days = 89·46%
" Lost — 75 " 55 " = 3·16 " = 10·54%
Avg. hgt of bnk. — 2·4'
" Depth — 14·8'
Total — 17·2'

5·4

Surface
8036 — 9393
6687 — 8036
1349 — 1357

1353 × 17·67 = 23,908 Sq. Yds.

Bedrock
0734 — 2072
9393 — 734
1341 — 1338

1340 × 17·67 = 23678 Sq. Yds

2)47586
Avg. Area = 23793 Sq. Yds.

$23{,}793 \times \frac{17.2}{3} = 136{,}413$ Cubic Yards

$\frac{136{,}413}{30} = 4{,}547$ Cubic Yards per day Elapsed time

$\frac{136{,}413}{26.84} = 5{,}082$ " " " " Running "

Pond Elev. 1725·7
Claims dredged 82, 83 Bel. Sul.
Surface Area — 4·9 ACRES.
Avg. width — 225'
" Length — 950'

23,908 × 9 = 215,172

23678 × 9 = 213,102

23,793 × 9 = 214,137

Thaw W/O

Block #1-2 - Remainder = 6231 Cu. Yds.

#1-3 (20.8) - 420 × 100 × 20.8 / 27 = 3236

#1-4 (19.9) - 230 × 60 × 19.9 / 27 + 230 × 80 × 19.9 / 27 (1105 / 1356) = 17411

#1-5 (19.2) - 420 × 300 × 19.2 / 27 = 104233

Total = 155231

Strip W/O

X² 132 - 131 - 1/3 Remainder = 9210 Cu Yds

131 - 130 - 1/4 = 4904

130 - 129 - 1/4 = 7273

129 - 128 - 1/5 = 21617

128 - 127 = 1/5 = 20234

Total = 63233

Dredge No: 8 July 1918

Dredge operated 31 days
dug 664 hrs 46 min = 27.70 days = 89.3%
lost 79 " 46 " = 3.30 " = 10.6%
Avg Hgt Bank = 2.2 Ft.
" Depth = 14.6
Total " = 16.8

(3)

Surface	4556	6101		
	3007	4556		
	1549	1545	1547 × 17.67 =	27,336 Sq. Yds.
Bedrock	7647	9173		
	6111	7647		
	1536	1526	1531 × 17.67 =	27053 Sq. Yds.

2 ⟌ 54389

Avg. Area = 27,195

$$\frac{27195 \times 16.8}{3} = 152492 \text{ Cu. Yds.}$$

$\frac{152492}{31} = 4913$ Cu. Yds. per day elapsed time

$\frac{152492}{27.70} = 5498$ " " running "

Pond Elev. — 1721.1
Claims dredged — 82, 83 Bel. Sul.
Surface Area — 5.6 acres.
Avg. Width — 225'
" Length — 1125'

27,336	27,053	27,195
9	9	9
246,024	243,477	244,755

Thaw W/O

Block #144 — 440 × 170 × 19.9 = 165391 Cu Yds.
19.9

Strip W/O

Nº 129-130 — 3/4 Remainder = 27180 Cu Yds.

128-129 — 4/5 " = 24930 "

127-128 — 4/5 " = 24280 "

126-127 — 2/5 " = 20680 "

125-126 — 1/3 " = 17128 "

Total = 114218 "

Dredge # 8 August 1958

Dredge Operated - 31 Days
✓ Dug - 636 Hrs. 45 mins = 26.53 days = 85.58 %
✓ Lost - 107 ✓ 15 ✓ = 4.47 ✓ = 14.42 %
Avg. Hgt of bnk — 2.5 ft.
✓ Depth - 14.9 - (5.6)
Total - 17.4 ✓

Surface	4631 / 3241 / 1390 ✓	6018 / 4631 / 1387 ✓	1389 × 17.67 =	24544 Sq. Yds.
Bedrock	7375 / 5992 / 1383 ✓	8753 / 7375 / 1378 ✓	1381 × 17.67 =	24402 Sq. Yds.

2) 48946
Avg. Area = 24473 ✓ Sq. Yds.

$$\frac{24473 \times 17.4}{3} = 141943 \text{ Cubic Yards}$$ (5.8)

$$\frac{141943}{31} = 4579 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{141943}{26.53} = 5350 \text{ ✓ ✓ ✓ ✓ Running ✓}$$

Pond Elev. - 1721.4
Claims dredged - 83 84 Below Sulphur.
Surface Area - 5.1 Acres.
Avg. Width - 225'
✓ Length - 1,000'

24544	24402	24473
9	9	9
220896 ✓	219618 ✓	220257 ✓

Thaw W/O

Block 124 - Remainder = 30412 Cu Yds.

124 - 380 x 160 x 19.2 / 27 = 43231
19.2

126 - 70 x 220 x 19.7 / 27 = 13023
19.7

127 - 410 x 300 x 18.0 / 27 = 84277
18.0

Total = 170947

Strip W/O

X2127-126 - 75% Remainder = 23266 Cu Yds

126-125 - 77% = 26378

125-124 - 43% = 20206

124-123 - 44% = 20721

123-122 - 1/6 = 7699

Total = 97824

Dredge № 8 — September 1958

Dredge operated 30 days
- Dug 654 hrs. 0 min = 27.29 days = 90.97 %
- Post 64 - 0 - = 2.71 - = 9.03 %

Avg Hgt Bank = 1.2 Ft.
- Depth = 16.0 -
Total - = 17.2 -

(5.7)

Surface

1740	3630
0250	2140
1490	1490

1490 x 17,67 = 26328 Sq. Yds.

Bedrock

5157	8346
3683	6870
1474	1476

1475 x 17,67 = 26063 Sq. Yds.

2) 52,391

AVG. AREA 26,195 Sq Yds

$\frac{26,195 \times 17,2}{3}$ = 150,184 CUBIC YARDS

$\frac{150,184}{30}$ = 5,006 CUBIC YARDS PER DAY ELAPSED TIME

$\frac{150,184}{27.29}$ = 5,503 " " " " RUNNING TIME

Pond Elev. - 1717.0
Claims dredged - 83, 84 BELOW SULPHUR
Surface Area - 5,44 ACRES
Avg width - 225'
- Length - 1053'

26,328	26,063	26,195
9	9	9
236,952	234,567	235,755

Thaw W/O

Block # 1 & 6 — 19.7

8472	9727	
7846	9099	
629	628	

$629 \times 17.67 \times \frac{19.7}{3} = 73983$ Cu. Yds.

Strip W/O

X-Sec 125-124 = 42% Remainder = 11250 Cu Yds

124-123 = 39% " = 10064 "

123-122 = 42% " = 16169 "

Total = 37483

Dredge #8 October 1968
Shut down Oct 27 - 5:30 AM

Dredge operated 24 days
" dug 467 hrs. 10 min = 19.67 days = 81.97 %
" lost 103 " 50 " = 4.33 " = 18.03 %
Avg Hgt Bank = 3.6 Ft.
" Depth = 13.6 "
Total " = 17.2 "

6.0

Surface

2785 / 2009 / 776 ✓ — 3565 / 2785 / 780 ✓

778 × 17.67 = 13,747 Sq. Yds.

Bedrock

4330 / 3554 / 776 ✓ — 5107 / 4330 / 777 ✓

777 × 17.67 = 13730 Sq. Yds.

2) 27477
Avg. area 13739

13,739 × 17.2 / 3 = 78,770 Cubic Yards.

78,770 / 24 = 3,282 Cubic Yards per day Elapsed time

78,770 / 19.67 = 4,005 Running

Pond Elev — 1718.9
Claims dredged — 84 B.S.
Surface Area — 2.84
Avg width — 225
" Length — 550

13 747 / 9 / 123,723 ✓ — 13730 / 9 / 123,570 ✓ — 13739 / 9 / 123,651 ✓

Thaw W/O

Block #126 - 435 × 180 × 19.7 / 27 = 57130 Cu.Yds.
19.7

Strip W/O

X2 130-131 - Should have been written off 1918 = 18000 Cu.Yds
120-121 - 1/6 Remainder = 6934 ✓
121-122 - 1/3 ✓ = 14839 ✓
122-123 - 1/4 ✓ = 5558 ✓
Total = 45331 ✓

Dredge Nº 8 May 1959 — started May 9 8:00 A.M.

Dredge Operated 23 days
" Dug 500 hrs 50 min = 20·87 days = 90·73%
" Lost 51 hrs 10 " = 2·13 " = 9·27%
Avg. Hgt of bank = 1·3 Ft.
" Depth = 15·0 "
Total " = 16·3 " (5·3)

Surface 4055 / 3578 / 477 / — 4545 / 4055 / 490 — 5025 / 4545 / 480 / — 479 × 17·67 = 8,464 Sq Yds.

Bedrock 5502 / 5029 / 473 / — 5965 / 5502 / 463 / — 468 × 17·67 = 8270 / Sq Yds.

2) 16734
Avg. Area = 8367 / Sq Yds.

2789
8367 × 16·3 = 45,461 Cubic Yards
3

45,461 / 23 = 1,977 Cubic Yards per day Elapsed time

45,461 / 20·87 = 2,178 " " " " Running time

Pond Elev — 1719·5
Claims dredged - 84 B.S.
Surface Area — 1·75 acres
Avg. Width — 200'
" Length — 420

8464 × 9 = 76,176 /

8270 × 9 = 74,430 /

8367 × 9 = 75,303 /

Thaw W/O

Block # 126 - $\frac{70 \times 220 \times 19.7}{27}$ = 1149 Cu Yds

19.7

- # 127 - $\frac{440 \times 175 \times 18.5}{27}$ = 5760 -

- # 175 - $\frac{400 \times 320 \times 21.0}{27}$ = 99555 -

Total: 163806 -

Strip W/O

X3 123-122 - 2/3 Remainder = 1164 Cu Yds.

122-121 - 3/4 - = 2260 -

121-120 - 2/3 - = 2314 -

120-119 - 40% - = 14957 -

119-118 - 40% - = 13403 -

Total = 84898 -

Dredge No 8 June 1959

Dredge Operated 30 days
Dug 647 hrs. 50 min = 26.99 days = 89.98%
Lost 72 " 10 " = 3.01 " = 10.02%
Avg. Hgt of Bank = 1.5 ft
Depth = 16.4 (5.0)
Total " = 17.9

Surface 7229 8627
5823 7229
1406 1398 1402 × 17.67 = 24,773 Sq. Yds.

Bedrock 10014 1383
8641 0014
1373 1369 1371 × 17.67 = 24,226 Sq. Yds.
2)48,999
24,500

$\frac{24,500 \times 17.9}{3}$ = 146,183 Cubic Yards

$\frac{146,183}{30}$ = 4,873 Cubic Yards per day Elapsed time

$\frac{146,183}{26.99}$ = 5416 " " " " Running "

Pond Elev - 1715.4
Claims dredged - 84, 85 B.S.
Surface Area - 5.12 acres
Avg. Width - 225'
Length - 975'

24793 24226 24700
9 9 9
22997, 21834, 22700

Thaw W/O

Block #126 - Remainder = 13480 CY's

- #128 - $\frac{(510 \times 220 + 220 \times 220) \times 22.4}{27}$ = 138833 -

Total = 152313 ✓ ✓

Strip W/O

#2 121-120 - 9/10 Remainder = 1039 ✓ CY's

120-119 - 9/10 ✓ = 20187 -

119-118 - 9/10 ✓ = 18090 -

118-117 - 1/4 ✓ = 9901 -

117-116 - 1/4 ✓ = 12190 -

116-115 - 1/8 ✓ = 6378 -

Total = 77141 ✓ -

Dredge # 8 July 1959

Dredge Operated 31 days
Dug 672 hrs. 10 min = 28.01 days = 90.34 %
Lost 71 x 50 = 2.99 = 9.66 %
Avg. Hgt of bank = 1.9 ft
Depth = 15.7
Total = 17.6 (5.0)

Surface	6869 − 5441 = 1428	8295 − 6869 = 1426	1427 × 17.67 = 25,215 Sq. Yds.
Bedrock	9715 − 8300 = 1415	1744 − 0327 = 1417	1416 × 17.67 = 25021. Sq. Yds.

2) 50,236
Avg. Area = 25,118 Sq. Yds.

25,118 × 17.6/3 = 147,359 Cubic Yards

147359/31 = 4754 Cubic yards per day Elapsed time

147,359/28.01 = 5261 Running

Pond Elev- 1713.9
Claims dredged- 85 B.S.
Surface Area - 5.21 acres.
Avg. Width - 250
Length - 900'

25,215 × 9 = 226,935

25021 × 9 = 225,189

25118 × 9 = 226,062

Thaw W/O

Block #1-8 - Remainder = 6-331 Cu.Yds.

- #1-9 (21.0) - 435 × 200 × 21.0 / 27 = 67667 ✓

✓ #131 (19.5) - 295 × 330 × 19.5 / 27 = 70308 ✓

Total = 200306 ✓ ✓

Strip W/O

X² 118 - 117 - 83% Remainder = 2462 Cu.Yds

117 - 116 - 85% ✓ = 31083 ✓

116 - 115 - 54% ✓ = 24621 ✓

115 - 114 - 31% ✓ = 17937 ✓

114 - 113 - 32% ✓ = 16273 ✓

Total = 112896 ✓

DREDGE # 8 AUGUST 1959

Dredge Operated 31 Days.
Dug 671 hrs 20 mins = 27.97 days = 90.23%
Lost 72 " 40 " = 3.03 " = 9.77%
Avg. Hgt of bank = 1.7 ft
" Depth = 17.1 "
Total " = 18.8 " (5.0)

Surface 6732 8298
5161 6732
1571 1566
1569 × 17.67 = 27,724 Sq. Yds.

Bedrock 9851 11396
8305 9851
1546 1545
1546 × 17.67 = 27318 Sq. Yds.
2)55042
Avg. Area = 27521 Sq. Yds.

$\frac{27521 \times 18.8}{3}$ = 172,465 Cubic Yards

$\frac{172,465}{31}$ = 5563 Cubic Yards per day Elapsed time

$\frac{172,465}{27.97}$ = 6166 " " " Running

Pond Elev- 1713.1
Claims dredged- 85 85A B.S.
Surface Area - 5.73 acres
Avg. width of cut - 240'
" Length " - 1040'

27,724 × 9 = 249,516

27318 × 9 = 245,862

27521 × 9 = 247,689

Thaw W/O

Block #131 — 85 × 220 × 19.5 / 27 = 13812 Cu Yds.
19.5

#130 — 370 × 44 × 19.5 / 27 + 160 × 220 × 19.5 / 27 = 139570
19.5
113570 + 26000

Total = 165382

Strip W/O

#2 116-115 — ¼ Remainder = 5000 Cu Yds.

115-114 — 85% = 30153

114-113 — 88% = 30994

113-112 — 29% = 15797

112-111 — 29% = 16600

Total = 98544

Dredge # 8 September 1959

Dredge Operated 30 days.
Dug - 634 Hrs. 05 min = 26.46 days = 88.2%
Lost - 84 - 55 - = 3.54 - = 11.79%
Avg. Hgt of bank - 2.2 Ft
Depth - 14.5 -
Total - 16.7 - 5.6

Surface				
	7487	8897		
	6087	7487		
	1400	1410	1405 × 17.67 =	24826 Sq. Yds.

Bedrock				
	10289	1695		
	8887	0289		
	1402	1406	1404 × 17.67 =	24808 Sq. Yds.

24826
24808
49634
Avgfrea = 24817

$\frac{24817 \times 16.7}{3} = 138148$ Cu. Yds.

$\frac{138148}{30} = 4605$ Cu. Yds. per day disposed time

$\frac{138148}{26.46} = 5221$ - - running -

Pond Elev. - 1711.2
Claims dredged - 85 A. 86 B.S.
Surface Area - 5.13 Acres
Avg width - 210
Length 1,025

24826	24808	24817
9	9	9
223434	223272	223353

Thaw W/O

Block #130 19.5' - 175 × 200 × 19.5 / 27 = 25278 Cu. Yds.

#131 19.5' - 400 × 210 × 19.5 / 27 = 60666

#133 19.7 - 200 × 300 × 19.7 / 27 = 43777

Total = 129721

Strip W/O

x² 114-113 - 2/3 Remainder = 2818 Cu. Yds.

113-112 - 7/8 = 33838

112-111 - 7/8 = 35560

111-110 - 30% = 17383

110-109 - 30% = 17844

Total = 107443

Dredge # 8 October 1959

Dredge Operated 31 days

Dug	657 hrs.	35 mins =	27.40 days =	88.38%
Lost	86	25 =	3.60 =	11.62%

Avg. Hgt of bank = 1.1 ft.
Depth = 16.9
Total = 18.0 (50)

Surface	4515	5615				
	3405	4515				
	1110	1100	=	1105 × 17.67 =	19527	Sq. Yds.
Bedrock	6700	7784				
	5619	6700				
	1081	1084	=	1083 × 17.67 =	19137	Sq Yds.
					38664	

Avg Area = 19331

$$\frac{19331 \times 18.0}{3} = 115986 \text{ Cu. Yds.}$$

$\frac{115986}{31} = 3741$ Cu. Yds. per day elapsed time

$\frac{115986}{27.40} = 4233$ " " running "

Pond Elev. 1710.2
Claims dredged - 85 & 86 B.S.
Surface Area - 4.03 Acres
Avg. width of cut - 200'
" Length " " - 960'

19527	19137	19331
9	9	9
175743	172233	173979

Thaw W/b

Block #130 - 40 × 80 × 19.5 / 27 = 231 Cu. Yds.
19.5

- #131 - 100 × 27 × 19.5 / 27 = 1806 -
19.5

- #132 - 170 × 85 × 21.1 / 27 = 11292 -
21.1

- #133 - 180 × 90 × 19.7 / 27 = 11820 -
19.7

Total = 27279 -

Strip W/O

#2 - 112 - 111 - 15% of Remainder = 762 Cu Yds.

111 - 110 - 22% - = 8943 -

110 - 109 - 20% - = 8328 -

Total = 18013 -

Dredge No: 8 — November 1959

Shut down Nov 13 - 5:00 PM

Dredge operated 12 days
- Avg 22 hrs. 45 min = 9.47 days = 79.77 %
- Lost 2 8 - 15 - = 2.43 - = 20.23 %

Avg Ht Bank = 1.0 Ft. (1.0)
- Depth = 17.8 -
Total - = 18.8 -

Surface 0525 / 0308 / 217 — 0741 / 0525 / 216 — 217 × 17.67 = 3834 Sq. Yds.

Bedrock 0950 / 0735 / 215 — 1167 / 0950 / 217 — 216 × 17.67 = 3817 Sq. Yds.

2 | 7651

Avg. Area = 3826 Sq Yds.

$\frac{3826 \times 18.8}{3}$ = 23,976 Cubic Yards

$\frac{23,976}{12}$ = 1998 Cubic Yards per day Elapsed time

$\frac{23,976}{9.57}$ = 2505 - - - - Running

Pond Elev — 1710.4
Claims dredged — 86 bel. Sol.
Surface Area — .78 acres
Avg width — 205
- Length — 170

3834 × 9 = 34,506

3817 × 9 = 34,353

3826 × 9 = 34,434

Thaw W/o

Block # 130 - Remainder = 23291 Cu. Yds.

$$\frac{\text{Block \# 130 Remainder}}{2.1} - \left(\frac{410 \times 155 + 170 \times 190}{5}\right) \times 2.1 = 74905$$

Total = 98196

Strip W/o

X^2 117-111 - 60% Remainder = 2591 Cu. Yds.

111-110 - 76% = 24044

110-109 - 73% = 2436

109-108 - 20% = 1917

108-107 - 14% = 8240

total 71108

May 1960

Dredge No. 8

Started Apr 30 - 8:00 AM
- digging May 1st

Dredge operated 31 days
- Dug 670 hrs. 30 min = 27.92 days = 90.1 %
- Lost 73 - 30 - = 3.06 - = 9.88 %
Avg Mat Bank: 2.2 Ft
- Depth = 16.3 -
Total - = 18.5 -

(5.0)

Surface	2770	3616		
	1922	2770		
	848	846	=	847 × 17.67 = 14966 Sq. Yds.
Bedrock	4455	5292		
	3615	4455		
	840	837		839 × 17.67 = 14825 Sq Yds.

- (29791)

Avg Area = 14896

14896 × 18.5 / 3 = 91859 Cu. Yds.

91859 / 31 = 2963 Cu Yds. per day elapsed time

91859 / 27.94 = 3288 - - running -

Pond Elev - 1710.6
Claims dredged - 86 86A B.S.
Surface Area - 3.09 Acres.
Avg Width - 200'
- Length - 650'

14966 / 9 = 134694

14825 / 9 = 133425

14896 / 9 = 134064

Thaw W/O

Block #13 - 300 × 190 × 21.1 / 27 = 44544 Cu. Yds.

Block #133 - 30 × 350 × 19.7 / 27 = 77887 -

" #135 - 30 × 110 × 20.0 / 27 = 24481 -

Total 148912 -

Strip W/O

X² 109-108 - 8% Remainder = 39090 Cu Yds.

108-107 - 8% " = 41510 -

107-106 - 37% " = 22222 -

106-105 - 3% " = 19848 -

Total = 122734 -

DREDGE # 8 JUNE 1960

Dredge Operated 30 days
Dug 648 hrs. 05 min = 27.00 days = 90.01 %
Lost 71 " 55 " = 3.00 " = 9.99 %
Avg. hgt. of bank = 0.9 ft
Depth = 18.6 "
Total = 19.5 "

6.1

Surface

9379 / 8152 / 1227 /

0605 / 9379 / 1226 /

1227 × 17.67 = 21681 Sq. Yds.

Bedrock

1803 / 0597 / 1206 /

3011 / 1803 / 1208 /

1207 × 17.67 = 21327 Sq. Yds.

43008

Avg Area = 21504

$\frac{21504 \times 19.5}{3} = 139776$ Cu. Yds.

6.5

$\frac{139776}{30} = 4659$ Cu. Yds. per day elapsed time

$\frac{139776}{27.00} = 5177$ " " running "

Pond Elev. — 1707.5
Claims dredged — 86, 86A B.S.
Surface Area — 4.48 Acres
Avg. Width — 200'
Length — 1000'

21681 / 9 / 195129

21327 / 9 / 191943

21504 / 9 / 193536

Thaw W/O

Block #137 - Remainder = 7816 Cu. Yds.

- #134 - $\frac{3766 + 2600}{666} \quad \frac{3932 - 3766}{469}$ $668 \times 17.67 \times \frac{24.8}{3}$ = 9778

24.8

- #135 - $115 \times 30 \times 20.0$ = 1704

20.0

Total = 17048

Strip W/O

X-2 108-107 - 40% Remainder = 3644 Cu. Yds.

107-106 - 17% = 1984

106-105 - 7% = 1890

105-104 - 41% = 2160

104-103 - 38% = 2136

Total = 8744

Dredge # 8 July 1960

Dredge Operated 31 days
Dug - 65 hrs 20 min = 27.18 days = 87.68%
Lost - 91 40 = 3.8 = 12.32%
Avg. hgt. of bank - 5.1 Ft.
Depth - 17.4
Total - 22.5

(5.1)

Surface

6914	8104					
5736	6914					
1178	1190	=	1184	×	17.67	= 20921 Sq. yards.

Bedrock

9287	10467					
8104	9287					
1183	1180	=	1182	×	17.67	= 20885 Sq. yards.

41806

Avg Area = 20903

$$\frac{20903 \times 22.5}{3} = 156773 \text{ Cu Yds.}$$

$$\frac{156773}{31} = 5057 \text{ Cu Yds. per day elapsed time}$$

$$\frac{156773}{27.18} = 5768 \text{ - running -}$$

Pond Elev. 1708.7
Claims dredged - 86A 87A B.S.
Surface area - 4.32 Acres.
Avg. width of cut. - 210'
Length - - 875'

$$\frac{20921}{9} \quad \frac{20885}{9} \quad \frac{20903}{9}$$

188.89 187.96 188.07

Thaw W/O

Block # 134 – 305 × 100 × 24.8 / 27 = 2801 Cu Yds.
24.8

135 – 350 × 30 × 20.0 / 27 = 8296 ✓
20.0

136 – 145 × 90 × 22.3 / 27 = 10778 ✓
22.3

137 – 115 × 365 × 20.0 / 27 = 3109 ✓
20.0

Total = 15247 ✓

Strip W/O

X2 105–104 – 737 × 31898 = 2386 Cu Yds.

104–103 – 75 × 34486 = 2586 ✓

103–102 – 547 × 5486 = 29606 ✓

102–101 – 527 × 8600 = 30477 ✓

101–100 – 247 × 63133 = 15583 ✓

Total 12010 ✓

DREDGE N° 8 AUGUST 1960

Dredge Operated 31 days
✓ Dug – 653 hrs. 25 min. = 27.23 days = 87.82 %
✓ Lost – 90 ✓ 35 ✓ = 3.77 ✓ 12.18 %
Avg. hgt. of bank – 1.5 ft.
✓ Depth – 17.9 ✓
Total ✓ – 19.4 ✓ (5.8)

Surface
4360 — 5577
3142 — 4360
1218 ✓ — 1217 ✓ = 1218 × 17.67 = 21,522 ✓ Sq. yds.

Bedrock
6774 — 7973
5574 — 6774
1200 ✓ — 1199 ✓ = 1200 × 17.67 = 21,204 ✓ Sq. yds.

2) 42,726 ✓
Avg. area. 21,363 ✓

7121
21,363 × 19.4 / 3 = 138,147 ✓ Cubic yards.

138,147 / 31 = 4,456 ✓ Cubic yards per day Elapsed time

138,147 / 27.23 = 5,073 ✓ ✓ ✓ ✓ ✓ Running ✓

Pond Elev. – 1705.0
Claims dredged – 86A-87A
Surface area – 4.45
Avg. width of cut – 215'
✓ Length ✓ ✓ – 970'

21,522 × 9 = 193,698 ✓
21,204 × 9 = 190,836 ✓
21,363 × 9 = 192,267 ✓

Thaw W/O

Block # 134 - Remainder = 28490 Cu. Yds.

✓ #136 - 370 × 300 × 27.3 / 27 = 91678 − 10778 = 80900 ✓
27.3

✓ #137 - 380 × 195 × 20.0 / 27 = 54889 ✓
20.0

Total = 164379

Strip W/O

X-ing 103-102 - 69% Remainder = 17402 Cu Yds.

102-101 - 69% = 19408 ✓

101-100 - 70% = 33145 ✓

100-99 - 86% ✓ = 56996 ✓

99-98 - 20% ✓ = 14101 ✓

Total = 141052 ✓

Dredge No 8 — Sept 1960

Dredge operated 30 days

Dug 640 hrs. 0 min = 16.7 days = 66.89 %

Lost 80 " 0 " = 3.33 " = 11.11 %

Avg Max Depth = 23.8 Ft.

" Depth = 19.4 "

Total = 22.2 "

(5.7)

Surface

4330	5610	
3048	4330	
1282	1280	= 1281 × 17.67 = 22,635 Sq. Yds.

Bedrock

6902	8173	
5632	6902	
1270	1271	= 1271 × 17.67 = 22,459 Sq. Yds.

2) 45,094

Avg. area = 22,547

7.4

$\frac{22,547 \times 22.2}{3}$ = 166,848 Cubic yards.

$\frac{166,848}{30}$ = 5,562 Cubic yards per day Elapsed time

$\frac{166,848}{26.67}$ = 6,256 " " " " Running "

Pond Elev. — 1703.6

Claims dredged — 87 A, 88 B.S.

Surface Area — 4.68 acres

Avg width — 200'

" Length — 1020'

22,635	22,459	22,547
9	9	9
203,715	202,131	202,923

Thaw W/O

Block # 136 - Remainder = 3090 Cu Yds.

- #138 21.0 - 270 x 22 x 21.0 / 27 = 4720 -
- #139 21.0 - 40 x 70 x 21.0 / 27 = 2178 -

Total = 80333 -

Strip W/O

X² 99-98 - 86% x Remainder = 4809 Cu Yds

98-97 - 85% x ✓ = 6395 -

97-96 - 60% x ✓ = 4428 -

96-91 - 56% x Remainder ÷ 3 = 1936 -

Total = 17756 -

Dredge No. 8 — October 1940

Dredge operated 31 days
- Avg 6.57 hrs 15 min = 27.39 days = 88.34 %
- 10.57 86 - 45 - = 3.61 - = 11.66 %

Avg Hot Bank - 1.7 Ft.
- Depth - 19.6
Total - 21.3

(5.9)

Surface

2361	3632	
1080	2361	
1281	1271	1276 × 17.67 = 22,547 Sq. Yds.

Bedrock

4899	6163	
3646	4899	
1253	1264	1259 × 17.67 = 22,247 Sq. Yds.

2 | 44,794

Avg. Area = 22,397

9:1

$\frac{22,397 \times 21.3}{3}$ = 159,019 Cubic Yards.

$\frac{159,019}{31}$ = 5,130 Cubic Yards per day Elapsed time

$\frac{159,019}{27.39}$ = 5,806 " " " " Running "

Pond Elev - 1700.4
Claims dredged - 88 B.S.
Surface Area - 4.66 acres.
Avg width - 175'
- Length - 1180

22,547	22,247	22,397
9	9	9
202,923	200,223	201,573

Thaw W/O

Block #139 - 240 × 60 × 21.0 / 27 = 11,200 Cu. Yds.

Strip W/O

X[2] 97-96 - 620 Remainder = 7676 Cu. Yds

96-95 - 30% = 14839

Total = 22515

Dredge No. 8 - November 1960

Shutdown Nov 15 - 8:00 AM.

Dredge operated 14 days.

- Dug 303 hrs 05 min = 12.63 days = 90.20 %
- lost 32 - 55 - = 1.37 - = 9.80 %

Avg. Hgt Bank = 20 Ft.

- Depth = 19.0 -

Total - = 21.0 -

Surface - 8559 8963 = 332 / 8918 8548 8918 = 330 / 331 x 17.67 = 5849 Sq. Yds

Bedrock - 9577 9477 = 321 / 9897 9577 = 320 / 321 x 17.67 = 5672 - = 11521 /

Avg. Area = 5761 -

$$\frac{5761 \times \frac{7.0}{3}}{} = 40327 \text{ Cu Yds.}$$

$$\frac{40327}{14} = 2881 \text{ Cu. Yds per day dep set time}$$

$$\frac{40327}{12.63} = 3193 \text{ - - running -}$$

Pond Elev - 1700.6

Claims dredged - 88-89 Bel. Supt.

Surface Area - 1.21 Acres

Avg Width - 240 Ft.

- Length - 230 -

5849 / 9 = 5641 /

5672 / 9 = 5748 /

5761 / 9 = 5849 /

Thaw W/O

Block # 139 - $\frac{185 \times 170 \times 41.0}{27}$ = 7194 Cu. Yds.

Remainder of Cut
in Natural Thaw

Strip W/O

x2 95-96 - 1/2 Remainder = 6925 Cu. Yds.

94-95 - 2/2 " = 5538 "

93-94 - 2/2 " = 5130 "

Total = 17593

Dredge No. 8 - May 1961 - Started May 3 - 10:00 AM

Dredge operated 29 days
Avg Cut-hrs. a min = 26.88 days = 92.68%
Lost 50 - 44 = 2.12 = 7.32%
Avg Last Bank = 1.6 ft.
Depth = 20.0 - (5.0)
Total = 21.6

Surface

8730	9171					
8301	8730					
429	441	Avg.	435	× 17.67 =	7,686	Sq. Yds.

Bedrock

9604	10014					
9195	9604					
409	410	Avg.	410	× 17.67 =	7245	
					2) 14931	
				Avg.	7,466	

$\frac{7,466 \times 21.6}{3} = 53,755$ Cubic Yards

$\frac{53,755}{29} = 1,854$ Cubic Yards per day Elapsed time

$\frac{53,755}{26.88} = 2,000$ Running

Pond Elev. - 1699.1
Claims dredged - 89 B.S.
Surface Area - 1.59 Acres
Avg Width - 245'
Length - 290'

7686	7245	7,466
9	9	9
69,174	65,205	67,194

Thaw W/o

Block #138 - Remainder = 36596 Cu. Yds.

Strip W/o

X12 96-95 - 2/3 - Remainder = 18466 Cu. Yds.

95-94 - 4/5 - " = 30644 "

94-93 - 4/5 - " = 30192 "

93-92 - 2/5 - " = 24686 "

92-91 - 2/5 - " = 23620 "

91-90 - 1/5 - " = 11583 "

Total = 139151

Dredge № 8 June 1961

Dredge operated 30 days
- dug 664 hrs 10 min = 27.67 days = 92.2%
- lost hrs - 50 - = 2.33 - = 7.7%
Avg Net Bank = 2.1 Ft.
- Depth = 18.1 ✓
Total - = 20.2 - (5.0)

Surface	7261 − 6173 = 1088	9479 − 8394 = 1085	1087 × 17.67 =	19,207 Sq. Yds.
Bedrock	10558 − 9494 = 1064	1679 − 0610 = 1069	1067 × 17.67 =	18,854
				2 | 38,061
			Avg. Area =	19,031

19,031 × 20.2/3 = 12,814 Cu. Yds.

12,814 / 30 = 427 Cu. Yds. per day elapsed time

12.814 / 27.67 = 463 " " running "

Pond Elev — 1698.2
Claims dredged — 89 Bel. Sulph
Surface Area — 3.97 Acres
Avg width — 244 Ft.
- Length — 710 ✓

19207 / 9 = 17863 ✓
16854 / 9 = 16686 ✓
19031 / 9 = 17779 ✓

Thaw W/O

N.I.- Natural Thaw

Strip W/O

x2 93.9 - 3/4 Remainder		= 2771 Cu Yds.
92-91 - 3/4	"	= 2674 "
91-90 - 3/4	"	= 3474 "
90-89 - 2/3	"	= 3516 "
89-88 - 1/3	"	= 3148 "
	Total	= 15373 "

Dredge No. 8 July 1961

Dredge operated 31 days
Dug 681 hrs. 10 min = 28.38 days = 91.5%
Lost 6 hrs 50 min = .6 = 8.5%
Avg Max Bank = 20.0 Ft.
Depth = 18.5
Total = 20.5

(7.4)

Surface $\frac{5909}{4657} = 1252$ $\frac{7183}{5935} = 1248$ $1250 \times 17.67 = 22,088$ Sq. Yds

Bedrock $\frac{9808}{8571} = 1237$ $\frac{1522}{286} = 1236$ $1237 \times 17.67 = 21,858$

2 | 43,946

Avg. Area 21,973

$21,973 \times \frac{6.834}{20.5} \times \frac{1}{3} = 150,163$ Cu. Yds.

$\frac{150,163}{31} = 4,844$ Cu. Yds. per day elapsed time

$\frac{150,163}{28.38} = 5,291$ Cu. Yds " " running "

Pond Elev 1697.1
Claims dredged - 89-90 Bel. Sulphs.
Surface Area - 4.56 Acres
Avg width - 230 Ft.
" Length - 860 "

$\frac{22088}{9} = 19879$ $\frac{21858}{9} = 19673$ $\frac{21973}{9} = 19757$

Thaw W/O

N.I.

Strip W/O

X91 - 90	- 1/2 Remainder	= 5791 Cu Yds.	
90 - 89	- 2/3	= 1506	
89 - 88	- 3/4	= 2035	
88 - 87	- 7/8	= 4768	
87 - 86	- 7/8	= 4734	
		Total = 13362	

Dredge No 8. Aug. 1961.

Dredge operated 31 days
- Avg 68 hrs 57 min = 28.5 days = 91.99 %
- Pool 29 - 35 - = 2.48 - = 8.01 %

Avg Dist Bank = 21 Ft.
- Depth = 19.0 -
Total - = 21.1 -

(7.4)

Surface	6838	8371		
	-5313	6846		
	1525	1525	1525 x 17.67 = 26,947	Sq. Yds.
Bedrock..	2006	3608		
	-0524	-2122		
	1482	1486	1484 x 17.67 = 26,222	Sq. Yds.
			2 | 53,169	
			Avg. Area 26,585	Sq. Yds.

$$26{,}585 \times \frac{7.033}{21.1} = 186{,}972 \text{ Cu. Yds.}$$

$\frac{186972}{31} = 6031$ Cu Yds. per day elapsed time

$\frac{186972}{28.5} = 6556$ - - running -

Pond Elev - 1695
Claims dredged - 90-91 Bel. Sulph.
Surface Area - 5.37 Acres
Avg width - 220 Ft
Length - 1060 -

$\frac{26947}{9} = 2994.3$ $\quad \frac{26222}{9} = 2913.5$ $\quad \frac{26585}{9} = 2953.9$

Thaw W/O

N.J

Strip W/O

Y2 86-8Y -	9/10 R.	= 44Y40 Cu Yds.
8Y-84 -	9/10 R	= 48910 -
84-83 -	1/3 -	= 19138 -
83-8Y -	1/3 -	= 20164 -
	Total	= 13Y7Y2 -

Dredge No 8 Sept 1941

Dredge operated 30 days
Dug 663 hrs 0 min = 27.63 days = 92.08%
Lost 57 - 0 - = 2.37 - = 7.92%
Avg Mat Bank = 2.4 Ft.
Depth = 19.0 -
Total - = 21.4 -

7.9

Surface

9012	2685
7565	1236
1447	1449

1448 x 17.67 = 25,586 Sq Yds

Bedrock

7878	7586
6443	6153
1435	1433

1434 x 17.67 = 25,339 Sq Yds
25,925

Avg. Area. 25,463 Sq Yds.

8.488
25,463 x 21.4/3 = 181,643 Cu. Yds.

181,643/30 = 6055 Cu. Yds. per day elapsed time

181,643/27.63 = 6,574 Cu. Yds - - running -

Pond Elev 1694.6
Claims dredged - 91-92 Bel. Tulsa.
Surface Area - 5.29 Acres
Avg width - 221 Ft.
- Length - 1180 -

23186	23339	23463
9	9	9
23074	23051	23167

Thaw W/O

22.1

Strip W/O

X² 84-83	-	4/- Remainder	= 306-0 C45
83-82	-	4/-	= 3-26-4
82-81	-	1/-	= 31372
81-80	-	1/-	= 31661
80-79	-	1/8	= 767-
			Total = 133-96

Dredge No 8. Oct 1961.

Dredge operated 31 days
" dog 675 hrs. 30 min = 28.15 days = 90.79%
" lost 68 " 30 " = 2.85 " = 9.21%
Avg Hgt Bank = 2.0 Ft
" Depth = 19.8 "
Total " = 21.8 "

(5.5)

Surface :- 3992 − 2471 = 1521 ; 5558 − 4042 = 1516

1519 × 17.67 = 26,841 Sq Ft

Bedrock : 7395 − 5902 = 1493 ; 8961 − 7466 = 1495

1494 × 17.67 = 26,399 Sq Ft

2 | 53,240

Avg. Area = 26,620 Sq. Ft.

$$26{,}620 \times \frac{21.8}{3} = 193{,}431 \text{ Cu. Yds.}$$

8,873

$$\frac{193{,}431}{31} = 6{,}240 \text{ Cu. Yards per day elapsed time}$$

$$\frac{193{,}431}{28.15} = 6{,}871 \text{ " " " " running "}$$

Pond Elev. -
Claims dredged - 91-92 Bel. Sulph.
Surface Area - 5.5 -
Avg width - 410 Ft.
" Length - 1100 "

6841	6399	6620
9	9	9
41569	37591	39780

Dredge No 8 — November 1961

Shut down Nov 10 - 8:00 AM

Dredge operated 9 Days
- Avg 14 hrs. 10 min = 6.22 days = 69.06 %
- Left 66 - 50 - = 2.78 - = 30.94 %-
Avg Mat Cont = 1.1 Ft.
- Depth = 20.0 -
Total - = 21.1 -

Surface

660	7005	
- 432	6773	230 × 17.67 = 4064 Sq. Yards
228 ✓	232 ✓	

Bedrock

7316	7605	225 × 17.67 = 3976 ✓
7090	7381	21 8040 ✓
226 ✓	224 ✓	

Avg Area 4020 Sq. Yards.

$$\frac{1340}{4020} \cdot \frac{21.1}{3} = 28,274 \text{ ✓ Cu. Yards.}$$

$$\frac{28,274}{9} = 3,142 \text{ ✓ Cu Yards per day elapsed time}$$

$$\frac{28,274}{6.22} = 4,546 \text{ ✓ ✓ ✓ ✓ running ✓}$$

Round Elevation 1694.0
Claims Dredged 92 Bel. Suff.
Surface Area : .84 Acres
Avg. width 190 Ft.
190 ✓

4064	3976	4020
9 ✓	9 ✓	9 ✓
36576	35784	36180

Throw W/O

Nil

Strip W/O

X²82 - 81 - 1/4 Remainder = 7843 Cu Yds
81 - 80 - 2/3 - = 12666 -
80 - 79 - 1/2 - = 7674 -
Total 28183 -

BLANK BOOKS and LOOSE LEAF DEVICES
MANUFACTURED TO YOUR ORDER
BVM
ea
For a duplicate of this ask for No. 1236 Quad - 150pp
CLARKE & STUART CO. LTD.
STATIONERS, PRINTERS, BOOKBINDERS
550 Seymour Street VANCOUVER, B. C.

Library and Archives Canada
395 Wellington Street
Ottawa, ON K1A 0N4

Bibliothèque et Archives Canada
395, rue Wellington
Ottawa, ON K1A 0N4

For material still subject to legislative, contractual or institutional obligations, users warrant that they will respect those obligations and not use LAC collections in a manner that would infringe the rights of others. Liability that may arise in the use of a copy is assumed in full by the user. LAC accepts no responsibility for unauthorized use of collection material by users.

To ensure proper citation and to facilitate relocation of an item, the source of the material and its reference number should always accompany the copy.

Pour les documents faisant encore l'objet d'obligations législatives, contractuelles ou institutionnelles, les usagers s'engagent à respecter ces obligations et à ne pas utiliser les documents des collections de BAC de façon à nuire aux droits d'autrui. Ils doivent assumer entièrement toute responsabilité qui pourrait découler de l'utilisation d'une reproduction de document. BAC décline toute responsabilité quant à l'utilisation non autorisée de documents provenant de ses collections.

Afin de citer un document avec exactitude et d'en faciliter le repérage, sa source et son numéro de référence doivent toujours accompagner la reproduction.

TITLE/TITRE _____
RG _____ MG 28 R- _____ SERIES/SÉRIE III 43
ACCESSION _____ VOL 157 PAGE(S) 157
BOX/BOÎTE _____ REEL/BOBINE _____
FILE/DOSSIER DREDGE NO.8
DATE MARCH 2015