DR. Nº 9

BLUE LINE

"END-BOUND" BLANK BOOKS

PROTECTED AT POINTS OF GREATEST WEAR

BROWN & GREEN RULING

ON GREEN TINTED PAPER

740½	UNRULED
741¼	QUADRILLE, (NOT PAGED)
741½	FAINT
752	TWO COLUMNS
753	THREE COLUMNS
754	FOUR COLUMNS
755	FIVE COLUMNS
756	SIX COLUMNS
756½	SIX COLUMNS, DIVIDED
757	SEVEN COLUMNS
758½	EIGHT COLUMNS
759	TEN COLUMNS, DOUBLE PAGE FORM
742	TWELVE COLUMNS, DOUBLE PAGE FORM
744	FOURTEEN COLUMNS, DOUBLE PAGE FORM
746	SIXTEEN COLUMNS, DOUBLE PAGE FORM
748	EIGHTEEN COLUMNS, DOUBLE PAGE FORM
750	TWENTY COLUMNS, DOUBLE PAGE FORM

ALL 3 FAINT AND UNITS 150 AND 300 PAGES

STATE RULING AND THICKNESS WANTED

TO DUPLICATE THIS BOOK

ORDER NO.

MADE IN CANADA

65 Buckets

#4 - 1 day - ~~hrs.~~ 23 hrs

#6 - 1 " - 21 "

#7 - 2 " - 43 "

#8 - 3 "

#10 - 3 -

#11 - 1 "

#4 - Nov 2 - 7:40 AM - Last time Nov 2 - 7:00 AM operated 24 hrs.

#6 - Nov 2 - 4:00 pm - Last time - Nov 2 - 7:00 am. operated 24 hrs.

#7 - Nov. 3 - 8:00 AM - Last Time Nov 3 - 7:00 AM operated 2 days.

#8 - Nov 3 - 7:30 pm - Last Time Nov 4 - 7:00 am operated 3 days.

#10 - Nov. 3 - 11:00 pm - Last Time Nov 4 - 7:00 am operated 3 days

#11 - Nov 2 - 1:00 pm - Last Time Nov 2 - 7:00 am operated 24 hrs.

#5 - Nov 24 - 7:00 am - Last Time Nov 24 - 7 am operated 23 days.

Shut Down Dates - 1944

THAWING WRITE OFF

BLOCK "A"

7822	7930	8040
7712	7822	7930
110	108	110

$= 109 \times 162.6 = 17{,}723$ sq ft. $\times \frac{37.1}{27} = 24353$ cu. yds.

1" = 100'
Factor = 18.07
= Sq.yds
Vernier at 34

DREDGE Nº 9 - Started Sept. 15 - 1938 - 7a.m.

DREDGE operated 16 days
- dug 321 Hrs. 50 min = 13.41 days = 83.81 %
- lost 62 Hrs. 10 min = 2.59 days = 16.19 %

Average Hgt of bank = 2.0 feet
- depth 24.4
26.4

SURFACE: 5650 / 5541 = 109; 5762 / 5650 = 112; 5873 / 5762 = 111 = 110 × 18.07 = 1988 sq yds
17892 sq. Ft.

1988 × 26.4/3 = 17494 cu. yds.

17494/16 = 1093 cu. yds per day : elapsed time

17494/13.41 = 1305 cu. yds per day : running time

THAWING WRITE-OFF
Block "A" = 17723 sq. ft. × 37.1/27 = 24353 cu. yds.

Chkd

Thawing Writeoff

Block # A Remainder = 9241 sq.ft. = 12598 cu.yds.

Block # 11 = 0395 − 0378 = 17 ; 0414 − 0395 = 19 ; 0433 − 0414 = 19 . = 19 × 162.6 = 3089 sq.ft.

Block # 21 = 0554 − 0428 = 126 ; 0678 − 0554 = 124 = 125 × 162.6 = 20325 " "

Block # 11 = 3089 × 37.1/27 = 4245 cu.yds.

Block # 21 = 20325 × 28.9/27 = 21755 cu.yds.

Block # A 9241 = 12598 " "

Total 38,598 cu.yds.

Stripping Writeoff

LINE #441 = 0

" #442 = 2760 − 2770 = −10 ; CANCELLED 2750 − 2760 = −10

" #443 = 1388 − 1381 = +7 ; CANCELLED 1403 − 1394 = 9 ; 1411 − 1403 = 8 = +8

in fill

1" = 100'
Factor 18.07
= Sq. yds.
Vernier at 34

DREDGE No. 9

October 1938

Dredge operated 31 days.
" dug 677 hrs. 55 min = 28.25 days = 91.12 %
" lost 66 " 05 " = 2.75 " = 8.88 %
Avg. Hgt of Bank = 6.4
" Depth 27.5
Total Depth 33.9

Surface: $\frac{7860 \quad 8050}{7669 \quad 7860}$ / 191 / 190 = 191 × 18.07 = 3451 Sq. yds

Bed Rock & Bottom of Cut: $\frac{8229 \quad 8371}{8080 \quad 8224}$ / 144 / 147 = 146 × 18.07 = 2638

2 | 6089

Avg. Area = 3045 Sq. yds.

$3045 \times \frac{33.9}{3}$ = 34,408 Total Cu. Yd.

$\frac{34408}{31}$ = 1109 Cu. yds. per day - Elapsed Time

$\frac{34408}{28.25}$ = 1218 Cu yds " " - Running Time

J.D.S. Nov. 2-1938

Checked G.G.F.

THAWING WRITE-OFF

Block 21 - 3339 sq. ft. - $3339 \times \frac{28 \cdot 9}{27}$ = 3574 cu. yds.

STRIPPING WRITE-OFF

in fill

1" = 100
Factor 18.07
= Sq. yds
Vernier at 34

DREDGE N° 9

November 1938

Dredge operated 4.33 days
" dug 95 hrs 30 min = 3.98 days = 91.8 %
" lost 8 " 30 " = 0.35 " = 8.2 %

Avg Hgt of Bank 3.8
" Depth 24.6
Total Depth 28.4

Surface $\frac{4382 \quad 4404}{\frac{4360}{22} \quad \frac{4382}{22}}$ = 22 × 18.07 = 398 Sq. yds

Bedrock $\frac{4271 \quad 4290}{\frac{4252}{19} \quad \frac{4271}{19}}$ = 19 × 18.07 = 343 " "

2) 741

Avg. Area = 371 Sq yds

$371 \times \frac{28.4}{3}$ = 3512 Total cu. yds.

$\frac{3512}{4.33}$ = 811 cu. yds. per day – Elapsed Time

$\frac{3512}{3.98}$ = 882 cu. yds. " " – Running Time.

J.D.S. Nov. 16-38

THAWING WRITEOFF

Block # 22 $\frac{5522}{5429}\ \frac{5610}{5522}\ \frac{5700}{5610}$ = 90 x 162.6 = 14634 sq. ft.

93 88 90

14634 x 27.9/27 = 15122 cu. yds

Block # 21. Remainder = 3111 sq. ft. = 3309 cu yds.

Total. 48431

STRIPPING WRITEOFF

Line # 441 = 0

98 x 100/27 = 363 cu. yds.

442 $\frac{4575}{4562}\ \frac{4585}{4573}\ \frac{4597}{4585}$ = 12 x 16.26 = 195 sq. ft.

13 10 12

358 x 100/27 = 1326

443 $\frac{1597}{1562}\ \frac{1630}{1597}\ \frac{1659}{1630}$ = 32 x 16.26 = 520 sq. ft.

35 33 29

260 x 100/27 = 963

444 0

2652 cu. yds.

Total = 2652 cu. yds.

1036

1" = 100'
Fac 18.07
= Sq yds
Vernier at 34

DREDGE N° 9

MAY 1939

Dredge operated 27 days.
dug 597 Hrs 25 min = 24.89 days = 92.19 %
lost 50 " 35 " = 2.11 " = 7.81 %

Avg. Hgt of Bank = 2.3'
- Depth = 24.0'
Total Depth 26.3'

SURFACE

8291 8591 8894
7990 8291 8591
301 300 303

= 301 x 18.07 = 5439 Sq. yds.

BEDROCK

9162 9733 0018
8878 9454 9733
284 282 285

= 284 x 18.07 = 5132

2 | 10571
5286

5286 x 26.3 / 3 = 46340 cu. yds. Total

46340 / 27 = 1716 cu. yds per day elapsed time

46340 / 24.89 = 1862 cu. yds. per day running time

Pond Elev June 1st = 1949.3'
Claims dredged = 2L Below Sulphur
Surface area = 1.12 acres
Avg Width of cut = 240 Feet
" Length " " = 180 " "

THAWING WRITE-OFF

Unit # 11	1589 / 1583 = 6	1596 / 1589 = 7	1603 / 1596 = 7	= 7'	x 162.6 = 1138 Sq ft.	$\frac{37.1}{27}$ = 1,564 Cu Yds
22	1448 / 1277 = 171	1619 / 1448 = 171		= 171 x "	= 27,905 Sq ft.	$\frac{279}{27}$ = 28,732 "
31	1564 / 1545 = 19	1583 / 1564 = 19		= 19 x "	= 3089 Sq ft.	$\frac{36.7}{27}$ = 4,199 "
41	REMAINDER			= 5362.2		$\frac{32,173}{66,668}$ "
					Total.	

STRIPPING WRITE-OFF

X^ Line 443				11.5 x 60.22	= 693 Cu Yds
444	1926 / 1903 = 23	1973 / 1951 = 22	= 23	14.5 "	= 873 " "
445	2067 / 2061 = 6	2073 / 2067 = 6	= 6	48 "	= 2891 " "
446	2653 / 2563 = 90	2743 / 2653 = 90	= 90 (60' width)	54 "	= 3252 " "
447			0	Total.	7,709 Cu Yds.

Note: 2144 Cu Yds of additional thaw in Block 41, thawed in 1939, to be written off in July.

1" = 100'
Fac - 18.07
= Sq Yds
Vernier @ 340

DREDGE Nº 9

June 1939

DREDGE OPERATED. 30 DAYS.
" DUG. = 660 hrs 21 min. = 27.51 days. = 91.72 %
" LOST = 59 " 39 " = 2.49 days = 8.28 %.

AVG. HEIGHT OF BANK = 2.7'
" DEPTH. 23.1'
TOTAL DEPTH. = 25.8'

SURFACE: 9128 9671 0211
8589 9128 9671
539 543 540
= 541 x 18.07 = 9776 - Sq. Yds.

BEDROCK: 0722 1224
0220 0722
502 502
= 502 x 18.07 = 9071
2 18847
AVG AREA. 9424

9424 x $\frac{25.8}{3}$ = 81,046 Cu Yds -

$\frac{81046}{30}$ = 2,702. Cu Yds per day Elapsed Time.

$\frac{81046}{27.51}$ = 2946 Cu Yds per day Digging Time.

E56.

Pond Elev July 1 = 1950.9
Claims dredged = 26 B.D. Sulph.
Surface area = 2.02 Acres.
Avg. width of cut = 200 Ft
" length " = 420 "

THAWING WRITEOFF

Block # 11 $\frac{5178}{5030}\ \frac{5375}{5178}$ = 148 x 162.6 = 24065 x 37.1/27 = 33067 cu yds (1938 Thaw)

Block # 22 Remainder

1938 Thawing	1024
1939 "	11220

Block # 41

1939 Thawing		21449
1938 Thawing	33067 + 1024 = 34091	66760 cu yds
1939 "	11220 + 21449 = 32669	
Total.		66760 cu. yds.

STRIPPING WRITEOFF

"X" Line. 442

20' only (⅕ rdg ≠ 443) 2 x 60.22 = 120 cu. yds

443 $\frac{2620}{2608}\ \frac{2632}{2620}$ = 12

13.5 x 60.22 = 813 " "

444 $\frac{1502}{1487}\ \frac{1518}{1502}$ = 15

33' only (⅓ rdg ≠ 444) 5 x 60.22 301 " "

445 Total. 1234 " "

1" = 100'
Fac 18.07
= Sq. yds.
Vernier at 34

DREDGE Nº 9

July 1939

DREDGE operated 31 Days.

dug. 694 Hrs. 04 min. = 28.92 days = 93.29 %
lost 49 " 56 min. = 2.08 " = 6.71 %

AVERAGE HEIGHT of BANK = 2.4 Feet
DEPTH = 32.2 " "
TOTAL " = 34.6 " "

VIRGIN

SURFACE $\frac{4290}{4066}\ \frac{4518}{4290}\ \frac{4738}{4518}\ \frac{4962}{4738}$ = 224 = 4048 Sq. yds.
224 228 220 224

BEDROCK $\frac{5222}{4995}\ \frac{5444}{5222}\ \frac{5665}{5444}\ \frac{5881}{5665}$ = 222 = 4011 " "
227 222 221 216
2|8059
Avg. AREA = 4030 " "

TAILINGS

$\frac{5954}{5931}\ \frac{5954}{5931}\ \frac{5978}{5954}\ \frac{6002}{5978}$ = 24 = 433 Sq. yds.
20 23 24 24

VIRGIN

$4030 \times 34.6/3$ = 46479 cu. yds Total.

$\frac{46479}{31}$ = 1499 cu. yds per day elapsed time

$\frac{46479}{28.92}$ = 1607 " " " " running time

TAILINGS

$433 \times 34.6/3$ = 4994 cu. yds. Total

$\frac{4994}{31}$ = 161 cu. yds per day elapsed time

$\frac{4994}{28.92}$ = 173 " " " " running time

46479
4994
51473 Cu Yds.

4030
433
4463 Area

TOTALS (Virgin + Tailings)

1660 cu. yds per day elapsed time

1780 " " " " running time

Pond Elev. Aug 1 – 1951.4
Claims dredged – 26 Below Sulphur
Surface area – 0.93 Acres
Avg. width of cut – 200 Feet
" length " – 190 "

THAWING WRITEOFF

BLOCK # 11 Remainder: 33899 cu.yds.

1939 thaw 28194 " "

62093 " "

STRIPPING WRITEOFF

Line # 441

Remainder = 1022 cu.yds

442 " = 1358 " "

443 " 1205 " "

444 " 1896

445

Total. 5481 cu.yds.

4644 × 9 = 41796

4427 × 9 = 39843

4536 × 9 = 40824

148 × 9 = 1332

4644
148
6.26

1" = 100'

DREDGE Nº 9

AUGUST 1939

Fac. 18.07 = Sq. yds.

Vernier at 34

DREDGE operated 31 days.

dug. 693 Hrs. 32 min. = 28.90 days = 93.22%

lost. 50 " 28 " = 2.10 " = 6.78%

Avg. Height of Bank = 2.8 Feet

" Depth = 32.8 "

Total " = 35.6 "

VIRGIN:

SURFACE: 1183 − 0928 = 255; 1443 − 1183 = 260; 1700 − 1443 = 257

= 257 X 18.07 = 4644 sq yds

BEDROCK: 1957 − 1712 = 245; 2201 − 1957 = 244; 2447 − 2201 = 246

= 245 X 18.07 = 4427

2 | 9071

Avg Area 4536

TAILINGS:

SURFACE: 2526 − 2444 = 82; 2691 − 2608 = 83; 2772 − 2691 = 81

= 82 X 18.07 = 1482 Sq. yds.

VIRGIN: 4536 X 35.6/3 = 53827 cu. yds. Total

53827 / 31 = 1736 cu. yds per day elapsed time

53827 / 28.90 = 1862 " " " " running time

TAILINGS:

1482 X 35.6/3 = 17586 cu. yds. Total.

17586 / 31 = 567 cu. yds per day elapsed time

17586 / 28.90 = 608 " " " " running time

TOTALS

53827
17586
71413

2303 cu. yds. per day elapsed time

2470 " " " " running time

Pond Elev. Sept 1st 1939.7

Claims dredged - 26 27 Below on Sulphur

Surface area = 1.26 acres.

Avg. Width of Cut 120 Feet

" Length " 457 Feet

Thawing Writeoff

Block 3 (31) Remainder = 12270 ✓ Cu Yds

Block 1 ✓ $\frac{7400}{7332} \quad \frac{7471}{7400}$ $\quad 68 \quad 71$

$70 \times 162.6 = \frac{(\text{Area})\ 11382 \times 347}{27} = \frac{(1939)\ 1462 \text{ Cu Yds}}{}$

Total = 66898 Cu Yds.

1938 Thaw = 29682 Cu Yds

1939 " = 37216 " "

Total = 66898 " "

Stripping Writeoff

Line 445 - $\frac{8014}{7972} \quad \frac{8076}{8014} \quad 42$

Remainder = 162.8 Cu Yds.

Line 446 - $\frac{7457}{7426} \quad \frac{7479}{7452} \quad 27$

$13 \times \frac{16.26 \times 100}{27} = \frac{783}{2411}$

Line 447 - 0

DREDGE No 9 SEPTEMBER 1939

SCALE 1" = 100'
FACTOR 18.07
= SQ. YDS.
VERNIER AT 34

DREDGE OPERATED - 30 DAYS
" DUG = 668 HRS. 18 MINS = 27.85 DAYS = 92.82%
" LOST = 51 " 42 " = 2.15 " = 7.18%

AVE HEIGHT OF BANK = 3.0 FEET
" DEPTH = 31.9 "
TOTAL " = 34.9 "

SURFACE — $\frac{6636}{6487}\ \frac{6984}{6636}$ $\frac{}{354}\ \frac{}{348}$ 351 × 18.07 = 6343 Sq. Yds. = 57087 Sq Ft

Bedrock — $\frac{7385}{7062}\ \frac{7705}{7385}$ $\frac{}{323}\ \frac{}{320}$ 322 × 18.07 = 5819 " " = 52371

2 | 12162
6081 Sq Yds = Avg Area
= 54749

$\frac{2027}{6081} \times \frac{34.9}{3}$ = 70742 Cu Yds

$\frac{70742}{30}$ = 2358 Cu Yds per day elapsed time

$\frac{70742}{27.85}$ = 2540 " " " digging time.

Pond Elev Oct 1 = 1951.8
Claims dredged = 25 & 24 Bal. Sulph. 5'
Surface Area = 1.31 Acres.
Avg Width Cut = 250'
" length " = 200'

Thawing Write off

Block # 5 $\frac{6518}{6221}$ $\frac{6816}{6518}$ $298 \times 162.6 = \frac{(\text{Area})\ 48444 \times 34.7}{27} = (1939)\ 62274$ Cu Yds
297 298

No Stripping Write off for Dredge 9 for October

DREDGE No 9 OCTOBER 1939

SCALE - 1" = 100'

FACTOR = 18.07 = SQ. YDS. VERNIER AT 34.

DREDGE OPERATED 31 DAYS

" DUG = 614 HRS - 20 MINS. = 25.60 DAYS = 82.57%

" LOST = 129 " - 40 " = 5.40 " = 17.43%

AVE HEIGHT OF BANK = 2.4 FEET

" DEPTH = 29.7 "

TOTAL " = 32.1 "

SURFACE - $\frac{3533}{3338}\ \frac{3934}{3638}\ \frac{4292}{3934}$ / $300\ \ 296\ \ 298$

298 (18.07) = 5385 SQ. YDS.

BEDROCK - $\frac{4525}{4255}\ \frac{4794}{4525}\ \frac{5062}{4794}$ / $270\ \ 269\ \ 268$

269 (18.07) = 4861 SQ. YDS.

2 | 10246

AVE AREA = 5123 SQ YDS

$$\frac{5123 \times 32.1}{3} = 54816 \text{ CUB YDS.}$$

$\frac{54816}{31}$ = 1768 CUB YDS PER DAY ELAPSED TIME

$\frac{54816}{25.6}$ = 2141 " " " " " DIGGING TIME

Pond Elev. Nov 1 - 1950.0

Claims dredged - 2' Below Sulphur

Surface area - 1.11 Acres.

Avg. Width Cut - 190 Feet.

Avg length - - 250 '

5385
9
48465

4861
9
43749

5123
9
46107

54729
46107
7803
108639

THAWING WRITE OFF

BLOCK 5 – $\frac{3194}{3166}\ \frac{3221}{3194}$ $= \frac{28}{27}$ × 162.6 = $\frac{\text{(AREA) } 4553 \times 34.7}{27}$ = 5851 CUB YDS

BLOCK 7 – $\frac{3218}{3193}\ \frac{3243}{3218}\ \frac{3268}{3243}$ $= \frac{25}{25}$ × 162.6 $\frac{\text{(AREA) } 4065 \times 35.8}{27}$ = 5390 " "

1939 TOTAL WRITE OFF = 11,241 CUB YDS.

No STRIPPING WRITE OFF FOR NOVEMBER.

DREDGE No 9 — 1 NOVEMBER 1939

SCALE: 1" = 100'
FACTOR = 18.07 SQ. YDS
VERNIER AT 34.

DREDGE No 9 CLOSED DOWN FOR SEASON. NOV 10TH 9.02 AM.
(LOST TIME SUMMARY 7.00 AM.)

DREDGE OPERATED = 9 DAYS
" DUG = 202 HRS-0 MINS = 8.42 DAYS = 93.52 %
" LOST = 14 HRS-0 " = .58 " 6.48 %

AVE HEIGHT OF BANK = 3
" DEPTH = 28.9
TOTAL " = 31.9

SURFACE — $\frac{2830}{2781}\ \frac{2879}{2830}$ / 49 = 49 × 18.07 = 885 SQ YDS 7961

BED ROCK — $\frac{2939}{2889}\ \frac{2984}{2939}\ \frac{3031}{2984}\ \frac{3078}{3031}$ / 50 45 47 47 = 47 × 18.07 = 849 SQ YDS 7641

2 | 1734

AVE AREA 867 SQ YDS. 7803

$\frac{867 \times 31.9}{3}$ = 9219 CUB YDS

$\frac{9219}{9}$ = 1024 CUB YDS PER DAY ELAPSED TIME

$\frac{9219}{8.42}$ = 1094 " " " " RUNNING TIME

Pond elev. 1950.3'
Claims dredged # 25 Below Sulphur
Surface Area. = 0.18 Acres.
Avg. width of cut 170 Feet
" length " " 50 "

THAWING WRITEOFF

Block # 7 $\frac{8739 - 8717}{22} \times \frac{8761 - 8739}{22} = 22 \times 162.6 = 3577 \text{ sq. ft.} \times 35.8/27 = 4743 \text{ cu. yds.}$ ✓

STRIPPING WRITEOFF

Line #450 - 25' wide = $\frac{9507 - 9441}{66} \times \frac{9574 - 9507}{67} = 16.5 \times 60.22 = 994$ cu. yds. ✓

Scale 1" = 100'
Fac. 18.07
= Sq. yds.
Vernier at 34

DREDGE Nº 9

APRIL 1940

STARTED APRIL 27th — 7:15 A.M.

LOST TIME SUMMARY APRIL 27th - 7:00 A.M.

DREDGE operated 4 Days.

dug: 91 Hrs. 35 min = 3.82 days = 95.40%

lost 4 " 25 " = 0.18 " = 4.60%

Avg. Height of Bank = 2.0 Feet

Depth = 29.7 '

Total 31.7 '

SURFACE $\frac{8739 - 8717}{22}$ $\frac{8761 - 8739}{22}$ = 22 X 18.07 = 398 Sq. yds

BEDROCK $\frac{8838 - 8821}{17}$ $\frac{8855 - 8838}{17}$ $\frac{8873 - 8855}{18}$ = 17 X 18.07 = 307 " "

2 | 705

Avg. Area: 353 " "

353 X 31.7 / 3 = 3730 Cu. yds. Total.

$\frac{3730}{4}$ = 933 cu. yds per day elapsed time

$\frac{3730}{3.82}$ = 976 " " " " running time

Pond Elevation - 1951.1

Claims dredged - 2s Below Sulphur

Surface area - 0.08 acres

Avg Width of cut - 180'

" Length " " - 20'

Factor = 16 x .6 = 5 ft.

Thawing Write off

Block 7 - Surface area 45 17 x 9

$$= \frac{40 \checkmark 53 \times 35.8}{27} = 5903 \text{ Cu. Yds.}$$

No Stripping Write off ✓

1" = 100'
Factor = 18.07 = Sq Yds
Vernier at 34

Dredge No 9 — May 1940

Dredge operated 31 days
- dug 699 hrs 26 min = 29.14 days = 94.01 %
- lost 44 - 34 - = 1.86 - = 5.99 %

Avg Hgt Bank = 2.9 Feet
- Depth = 29.8 -
Total - = 32.7

Surface: 1386 / 1135 / 251 ; 1630 / 1386 / 248 ; 250 x 18.07 = 4517 Sq Yds

Bedrock: 1850 / 1623 / 227 ; 2075 / 1850 / 225 ; 226 x 18.07 = 4084
2 | 8601
Avg Area = 4300

$$4300 \times \frac{10.9}{3} = 46870 \text{ Cu Yds.}$$

$$\frac{46870}{31} = 1512 \text{ Cu Yds per day elapsed time}$$

$$\frac{46870}{29.14} = 1608 \text{ - - - - running -}$$

Pond Elev - 1951.7
Claims dredged - 25 Below Sulphur
Surface area - 0.93 Acres.
Avg Width Cut - 130'
- Length - - 250'

Thawing Write off

Block 5 - Remainder = 41305 Cu Yds

- 6 - 7855 − 7780 = 75 ; 7931 − 7855 = 76 ; 75 × 162.6 = 12195 × 31.9/27 = 14,408 Cu yds

- 7 - 7395 − 7342 = 53 ; 7471 − 7395 = 76 ; 53 × 162.6 = 8780 × 35.8/27 = 11,642 Cu yds

Total 67 355

Stripping Write off - None

Scale 1" = 100'
Factor = 18.07 = 59.4 yds.
Vernier @ 34

DREDGE N° 9

June 1940

DREDGE OPERATED 30 days

DREDGE DUG - 664 hrs - 45 min = 27.70 days = 92.33%
" LOST - 55 " - 15 min = 2.30 " = 7.67%

AVG HEIGHT OF BANK = 0.5 FT.
AV. DEPTH " " = 31.6 FT
TOTAL DEPTH 32.1 FT

SURFACE — 3239 3615 3991 / 2859 3239 3615 = 377 x 18.07 = 6812 59yds
380 376 376

BEDROCK — 4360 4720 5073 5434 / 3997 4360 4720 5073 = 362 x 18.07 = 6541 59 yds
363 360 353 361

2) 13353
Av. AREA 6676 59 yds

6676 x 32.1/3 = 71,433 cu yds.

71433/27.70 = 2,579 cu yds per day running time

71433/30 = 2,381 cu yds per day elapsed time.

Pond Elev 1950-7
Claims dredged vs Bel. Sulph.
Surface area 1.41 acres
Avg. Width cut - 135'
" length - - 500'

Thawing Write off

Block 6 $\frac{0157}{9774}$ $\frac{1379}{0996}$ $\frac{}{383}$ $383 \times 162.6 = \frac{62276 \times 31.9}{27} = 73578$ Cu Yds. (1936 Thaw)

No Stripping Write off

Scale 1" = 100'.
Fac - 18.07 = sq yds.
Vernier @ 34'.

DREDGE #9

JULY, 1940.

DREDGE OPERATED 31 DAYS.

" DUG 659 HRS 35 MIN = 27.48 DAYS. = 88.65%.
" LOST 84 " 25 " = 3.52 " = 11.35%.

AVG HGT BANK = 0.7 FT.
" DEPTH = 25.3 " "
TOTAL " = 26.0 " "

Surface $\frac{8044}{7671}$ $\frac{8466}{8044}$ 443 × 18.07 = 7643 Sq.Yds.
$\frac{}{443}$ $\frac{}{422}$

Bedrock $\frac{8886}{8436}$ $\frac{9334}{8886}$ 448 × 18.07 = 8113
$\frac{}{450}$ $\frac{}{448}$

21575.6

Avg Area = 7878

$\frac{2626}{7878} \times \frac{26.0}{3}$ = 68276 Cu.Yds.

$\frac{68276}{31}$ = 2202 Cu.Yds per day elapsed time

$\frac{68276}{27.48}$ = 2485 " " - running "

CKH GGF

Pond elev. 1952.0
Claims dredged - 24+25 Below.
Surface area - 1.58 acres
Avg Width Cut - 150'
" length - - 325'

7643 / 6878

8113 / 7301

4878 / 7000

THAWING WRITE-OFF.

Unit - 6 Remainder. 30802 Sq ft · 40.81 Cu Yds.

Unit - 7 $\frac{3051}{3019}\ \frac{3081}{3051}$ = 31 × 162.6 = 5041 Sq ft × $\frac{35.8}{27}$ = 6684

$\frac{32}{}\ \frac{30}{}$

Unit - 8 $\frac{3225}{3059}\ \frac{3385}{3225}\ \frac{3548}{3385}$ = 163 × 162.6 = 26504 Sq ft × $\frac{28.7}{27}$ = 8173

$\frac{166}{}\ \frac{160}{}\ \frac{163}{}$

Unit - 9 $\frac{3691}{3568}\ \frac{3814}{3691}$ = 123 × 162.6 = 20000 Sq ft × $\frac{29.0}{27}$ = 21481 (1940)

$\frac{123}{}\ \frac{123}{}$

Total = 97019

21481 – 1940

75538 – 1939

GGF.

STRIPPING WRITE-OFF.

X" - 450

REMAINDER = 5632 Cu Yds

X' - 451

½ REMAINDER = 2048 " "

X' - 452

Total 7680 " "

Scale = 1" = 100'
Factor 18.07 = Sq Yds
Vernier @ 340

DREDGE N°9. AUGUST-1940

DREDGE OPERATED: 31 days.
DREDGE DUG: 685 hs 20 min = 28.56 days. = 92.11 %
DREDGE LOST: 58 hrs 40 min = 2.44 " = 7.89 %

AVG. HGT. OF BANK = 1.6
AVG DEPTH BELOW WATER = 21.8
TOTAL DEPTH. = 23.4

SURFACE - $\frac{8913 - 8391}{572}$ $\frac{9487 - 8913}{574}$ $\frac{0625 - 0049}{576}$ = 574 x 18.07 = 10372 Sq Yds.

BEDROCK - $\frac{1154 - 0570}{584}$ $\frac{1733 - 1154}{579}$ $\frac{2903 - 2323}{580}$ = 581 x 18.07 = 10498

2 | 20870

Avg Area = 10435

$10435 \times \frac{7.8}{3} \times \frac{23.4}{3}$ = 81393 Cu Yds

$\frac{81393}{31}$ = 2626 Cu Yds per day elapsed time.

$\frac{81393}{28.76}$ = 2830 " " running "

G.G.F.

Pond Elev - 1952.4
Claims dredged - 2 Below Sulphur
Surface Area - 2.14 Acres.
Avg Width Cut - 327 Feet.
" Length - 290 "

10372 10498 10435
9 9 9
93348 94482 93915

Thaw Write-off

Block 7 - 9571 / 9451 / 170 ✓ — 9691 / 9571 / 170 ✓ — 120 ✓ × 162.6 ✓ = 19512 ✓ × 35.8 / 27

1939 { = 27871 ✓ Cu Yds. ; = 29007 ✓ " "

- 8 - Remainder

- 9 - "

- 10 - 9750 / 9683 / 67 — 9882 / 9814 / 68 ✓ — 68 ✓ × 162.6 = 11057 ✓ × 24.0 / 27

1940 { = 37002 ✓ " " ; = 9828 ✓ " " }

Total = 101708 ✓ " "

Stripping Write-off

451 - 452 - Remainder = 2048 - Cu Yds

452 - 453 - All = 3496 - " "

453 - 454 - 453 x .75 = 39 x 60.22 = 2348 ✓ " "

Total = 7892 ✓ " "

1939 Thaw 44878 Cu Yds ✓

1940 " 46830 " "

101708 " "

1" = 100'
Fac = 18.07 = Sq Yds
Vernier at 34

Dredge № 9 — September 1940

Dredge operated 30 days
- dug 613 hrs 46 min = 25.77 days = 85.2 %
- lost 106 - 14 - = 4.43 - = 14.7 %

Avg Hgt Bank = 3.4 Feet
- Depth = 19.3 -
Total - = 22.7 -

Surface 6386 6986 / 5785 6386 / 601 600 — 601 × 18.07 = 10860 Sq Yds

Bedrock 8144 8732 9312 / 7561 8144 8732 / 583 588 580 — 584 × 18.07 = 10552 — —
= 21412
Avg Area = 10706 — —

10706 × 22.7 / 3 = 81009 Cu Yds.

81009 / 30 = 2700 Cu Yds per day elapsed time

81009 / 25.57 = 3168 - - - - running -

G.G.F.

Pond Elev - 1951.9
Claims dredged - 24 + 25 Below Sulphur
Surface area - 2.24 Acres.
Avg Width cut - 200 Ft.
- Length - - 450 '

10860 / 4 = 97740
10552 / 4 = 94968
10706 / 4 = 96354

THAWING WRITEOFF

(1939) Block #7 Remainder 41805 cu. yds

1940 Thaw #11

1902	2023	2140
1784	1902	2023
118	121	117

= 119 × 162.6 = 19349 × 31.9/27 = [illegible]

Total. 64020 cu. yds.

STRIPPING WRITEOFF

0346	0412
0283	0346
63	66

Line #453

75% of #453 48 × 60.22 = 2891 cu. yds.

454

Total. 2891

Scale 1" = 100'
Fac. 18.07 · Sq. yds.
Vernier at 31

DREDGE Nº 9

OCTOBER 1940

DREDGE operated 31 Days.
dug 698 Hrs. 40 min = 29.11 days = 93.91 %
lost 45 " 20 " = 1.89 " = 6.09 %

Avg. Hgt. of Bank 2.5 Feet
Depth. 27.8 "
Total. " 30.3 "

SURFACE 9387 9699 / 9065 9387 / 322 312 = 317 x 18.07 = 5638 sq. yds.

BEDROCK 0065 0378 / 9750 0065 / 315 313 = 314 x 18.07 = 5674 " "

2 | 11392

Avg Area: 5696 " "

5696 x 30.3/3 = 57530 cu. yds. Total.

57530 / 31 = 1855 cu. yds per day — elapsed time

57530 / 29.11 = 1976 cu. yds per day — running time

Pond elev. : 1952.0
Claims dredged. : # 24 B.D. SULPHUR CK.
Surface Area : 1.18 Acres.
Avg. Length of cut: 240'
" Width of cut.: 200'

No Stripping or Thawing Wentsoff for November

Dredge No 9 November 1940
down for Season Nov. 4-11:45 a.m.

Given 3000 cuyds for November

Operated 3 days

THAWING WRITEOFF

UNIT #11 (same as surf) = 125 × 158.1 = 19763 Sq. ft.
19763 × 31.0/27 = 22691 cu. yds Total.

STRIPPING WRITEOFF

Line 453

				0		
✓	454	6163 − 6150 = 13	6176 − 6163 = 13		6.5 × 58.56 =	381
✓	455			13	6.5 × 58.56 =	381
				0	Total	762 cu. yds

Scale 1" = 100'
Fac. 17.57 = Sq. yds.
Vernier at 34

DREDGE Nº 9

APRIL 1941

Started Apr 25 - 11:00 a.m
Lost Time Apr 25 - 7:00 P.M.

Dredge operated 6 Days.
dug. 134 Hrs. 45 min. = 5.61 days = 93.58 %
lost. 9 " 15 " = 0.39 " = 6.42 %

Avg. Height of Bank = 3.2 Feet
" Depth = 25.0 " "
Total. " = 28.2 " "

Surface 4810 5180 / 4685 5055 / 125 125 = 125 x 17.57 = 2196 Sq. yds.

Bedrock 5397 5509 / 5285 5397 / 112 112 = 112 x 17.57 = 1968

2 | 4164

Avg. Area. 2082 " "

2082 x 28.2/3 = 19571 cu. yds.
- 3000 " " for 1940
16571 " "

16571 / 6 = 2762 cu. yds. per day. elapsed time

16571 / 5.61 = 2954 " " " " running time

Pond elev. 1957.0
Claims dredged 24 Below Sulphur
Surface Area. 0.45
Avg. length of cut. 80 Ft.
" width of cut. 210 "

G.G.F.

THAWING WRITEOFF

UNIT #11

0095	0648
9891	0444
204	204

$204 \times 158.1 = 32252 \times \frac{31.0}{27} = 37030$ cu. yds

UNIT #13

0712	0869
0555	0712
157	157

$157 \times 158.1 = 24822 \times \frac{31.5}{27} = 28959$

Total 65989

STRIPPING WRITEOFF

X = Line # 454 = 0

= 15 x 58.56 = 878 cu. yds.

455

3514	3545
3485	3514
29	31

= 30

= 25 x 58.56 = 1464

456

2832	2852
2812	2832
20	20

= 20

= 61 x 58.56 = 3572

457

2968	3070
2867	2968
101	102

= 102

= 20 x 58.56 = 1171

458 (1/5 of 457)

Total 7085 cu. yds

Scale 1" = 100'
Fac 17.57 = Sq. yds.
Vernier at 34

DREDGE Nº 9

MAY 1941

DREDGE OPERATED 31 DAYS
DUG 692 Hrs. 45 min = 28.86 Days = 93.11 %
LOST 51 " 15 " = 2.14 " = 6.89 %

Avg. Height of Bank = 4.0 Feet
Depth = 24.5
Total 28.5

SURFACE	7644	7988	8337	
	7296	7644	7988	
	348	344	349	= 347 x 17.57 = 6097 Sq. yds.
BEDROCK	8633	9577	9891	
	8320	9260	9577	
	313	317	314	= 315 x 17.57 = 5535
				2)11632
				Avg. Area: 5816

5816 x 28.5/3 = 55252 cu. yds Total.

55252 / 31 = 1782 cu. yds. per day - elapsed time

55252 / 28.86 = 1914 cu. yds. per day - running time

Pond Elevation - 1953.6
Claims dredged - 23 & 24 Below Sulphur
Surface Area - 1.30 Acres.
Avg. Width Cut - 200 Ft
" Length - - 850 "

Thawing Writeoff

Block 13 - $\frac{9153 - 8820}{333}$ $\frac{9488 - 9153}{335}$ $334 \times 158.1 = 52805 \times \frac{31.5}{27} = 61606$ Cu Yds.

Block 14 - $\frac{9820 - 9720}{100}$ $\frac{9920 - 9820}{100}$ $100 \times 158.1 = 15810 \times \frac{32.0}{27} = 18738$

Total Writeoff = 80344

Stripping Writeoff

X-ing Line #457 $\frac{1831 - 1793}{38}$ $\frac{1867 - 1831}{36}$ = 37

= 100 × 58.56 = 5856 Cu. Yds

458 $\frac{3603 - 3440}{163}$ $\frac{3767 - 3603}{164}$ = 163

= 154 × " = 9018

459 $\frac{2854 - 2709}{145}$ $\frac{3141 - 2996}{145}$ = 145

= 101 × " = 5915

460 $\frac{2800 - 2742}{58}$ $\frac{2857 - 2800}{57}$ = 57 =

Total 20,789

1" = 100'
Vernier at 34
Fac = 17.57 = Cu Yds.

Dredge No 9 — June 1941

Dredge operated 30 days.
- dug 680 hrs 30 min = 28.35 days = 94.5 %
- lost 39 - 30 - = 1.65 - - = 5.4 %
Avg Hgt Bank = 4.1 Ft.
- Depth = 25.0 -
Total - = 29.1 -

Surface

1635	2061	2490
1203	1635	2061
432	426	429

429 x 17.57 = 7538 Cu Yds.

Bedrock

3385	4583	4181	
2983	4181	3785	40 x 17.57 = 7063
402	402	399	14601
			Avg Area = 7301

$$7301 \times \frac{9.7}{3} = 70820 \text{ Cu Yds}$$

$$\frac{70820}{30} = 2361 \text{ Cu Yds per day elapsed time.}$$

$$\frac{70820}{28.35} = 2498 \text{ - - - - running - - days.}$$

Pond Elev - 1953.9'
Claims dredged - 23 Below Sulphur
Surface Area - 1.56 Acres.
Avg. Width Cut - 230 Ft.
- Length - - 280 -

7538	7063	7301
9	9	9
67842	63567	65709

Thawing Writeoff

Block 14 = 2467 − 2089 = 378 ; 3217 − 2840 = 377 ; 377 × 158.1 = 59604 × 37/27 = 7064 Cu Yds.

Stripping Writeoff

× Sec 460 — 1160 − 1000 = 160 ; 1160 − 1160 = 160 ; 162

144 × 58.56 = 8433 Cu. Yds.

- - 461 — 3387 − 3250 = 137 ; 3507 − 3387 = 120 ; 126

134 × 58.56 = 7847

- - 462 — 3503 − 3361 = 142 ; 3645 − 3503 = 142 ; 142

126 × 58.56 = 7379

- - 463 — 3833 − 3723 = 110 ; 3944 − 3833 = 111 ; 110

Total Writeoff = 23659

1" = 100'
V. at 34
Eqc = 17.57
= Sq. Yds

Dredge No. 9 - July 1941

Dredge operated 31 days
- dug 565 hrs 55 min = 23.58 days = 76.06%
- lost 178 - 05 - = 7.42 - = 23.94%
Avg Hgt Bank = 4.1 Ft.
- Depth = 24.7 -
Total = 28.8 -

Surface Area

9758	0168	0585	1000
9302	9573	0168	0585
456	415	417	415

416 x 17.57 = 7309 Sq. Yds.

Bedrock Area

1384	1773	2156
0996	1384	1773
388	389	383

385 x 17.57 = 6764 - -

2 14073

Avg Area = 7036 - -

$7036 \times \frac{9.6}{28.8} = 67546$ Cu. Yds

$\frac{67546}{31} = 2179$ Cu. Yds per day elapsed time.

$\frac{67546}{23.58} = 2865$ - - - - running - agg.

Pond Elev. - 1954.7
Claims dredged - HA-22-23
Surface Area - 1.51 Acres
Avg Width Cut - 220 Ft.
- Length - 300 -

7309	6764	7036
9	4	5
65781	60876	63324

THAWING WRITE-OFF

BLOCK #16 — 2131 − 1611 = 520 / 2651 − 2131 = 520 = 520 × 158.1 = 82,212 Sq ft × 29.3/27 = 89,215 Cu Yds

BLOCK #18 — 2799 − 2733 = 66 / 2867 − 2799 = 68 = 67 × 158.1 = 10,593 Sq ft × 24.1/27 = 9,455 Cu Yds

Total: 98,670 Cu Yds
1941 thaw

STRIPPING WRITE-OFF

X"-462

X"463 — 20' only (½ of Rdg 463) — 3833 − 3723 = 110 / 3944 − 3833 = 111 = 111 — 22.2 × 58.56 = 1,300 Cu Yds

X"464 — 2677 − 2537 = 140 / 2537 − 2399 = 138 = 139 — 125.0 × ✓ = 7,320 " "

X"465 — 6778 − 6606 = 172 / 6950 − 6778 = 172 = 172 — 155.5 × ✓ = 9,106 " "

X"466 — 6957 − 6773 = 184 / 7142 − 6957 = 185 = 184 — 178.0 × ✓ = 10,424 " "

X"467 — 0 — 92.0 × ✓ = 5,388 " "

TOTAL. 33,538 " "

1" = 100'

Vernier at 34.0

Factor = 1757 Sq Yds.

DREDGE No. 9 — AUGUST - 1941

DREDGE OPERATED 31 days.

" DUG = 575 hrs 30 min = 23.98 days = 77.35 %

" LOST = 168 " 30 min = 7.02 " = 22.65 %.

AVG HGT OF BANK = 2.8 Ft.

" DEPTH = 24.0 "

TOTAL DEPTH = 26.8 "

SURFACE: $\frac{3130}{2618}\ \frac{3650}{3130}\ \frac{4163}{3650}$ $\quad\frac{512}{520}\ \frac{520}{513}$ = 513 x 17.57 Sq Yds. = 9013 Sq Yds.

BEDROCK: $\frac{4634}{4158}\ \frac{5105}{4634}\ \frac{6056}{5585}$ $\quad\frac{1476}{471}\ \frac{471}{471}$ = 471 x 17.57 Sq Yds = 8275 Sq Yds.

2 | 17,288

AVG AREA. 8644 Sq Yds

8644 x $\frac{26.8}{3}$ = 77220 Cu Yds (TOTAL)

$\frac{77220}{31}$ = 2491 Cu Yds Per Day - Elapsed Time

$\frac{77220}{2398}$ = 3220 Cu Yds Per Day. Digging Time

Pond Elev - 1955.3

Claims dredged - 21A - Below Sulphur.

Surface Area - 1.86 Acres.

Avg Width Cut - 225 Ft.

" Length - 370 "

9013	8575	8644
5	5	5
81117	42875	43220

Thawing Writeoff

Block 18 – 4278 − 3692 = 586 ; 4864 − 4278 = 587

586 × 158.1 = 92647 × 24.1/27 = 82696 Cu.Yds.

Block 19 – 4966 − 4886 = 80 ; 5043 − 4966 = 77 ; 5121 − 5043 = 78

78 × 158.1 = 12332 × 22.8/27 = 10414 " "

Total = 93110 " "

All 1944 Thaw

Stripping Writeoff

X Sec 466 — 0

111 × 58.56 = 6500 Cu.Yds

X Sec 467 — 2165 − 1943 = 222 ; 2387 − 2165 = 222

205.5 x " = 17034 "

X Sec 468 — 5508 − 5321 = 187 ; 5699 − 5508 = 191 — 189

201 x " = 11770 "

X Sec 469 — 2173 − 1962 = 211 ; 2387 − 2173 = 214 — 213

178 x " = 7496 "

X Sec 470 – ½ of #469 — 43

Total = 37800 "

1" = 100'

Vernier @ 34.00

Factor 17.57 = Sq Yds

DREDGE No. 9

SEPTEMBER 1941.

DREDGE OPERATED 30 days.

" DUG. = 676 hrs 10 mm = 28.17 days. = 93.91%.

" LOST = 43 " 50 " = 1.83 " = 6.09%.

AVG HGT OF BANK = 4.9 Ft.

" DEPTH = 19.1 "

TOTAL DEPTH = 24.0 "

SURFACE $\frac{4641}{3987}\ \frac{5938}{5286}$ $\frac{}{654}\ \frac{}{652}$ = 653 x 17.57 Sq Yds. = 11,473 Sq Yds

BEDROCK. $\frac{6551}{5936}\ \frac{8381}{7768}$ $\frac{}{615}\ \frac{}{613}$ = 614 x 17.57 " " = 10,788 " "

2 | 22263

AVG AREA 11,132 Sq Yds.

$11{,}132 \times \frac{24.0}{3} = 89{,}056$ Cu Yds.

$\frac{89{,}056}{30} = 2{,}969$ Cu Yds. Per Day. Elapsed Time

$\frac{89{,}056}{28.17} = 3{,}161$ " " " " Digging Time

Pond Elev - 1955.8

Claims dredged - 20-21-21A Bel. Sulph.

Surface Area - 2.37 Acres.

Avg Width Cut - 190 Ft.

" Length - - 550

11473	10788	1113
9	9	9
103257	97092	100188

THAWING WRITEOFF

UNIT # 16 — 2501 − 2405 = 96 ; 2598 − 2501 = 97 ; 96 × 158.1 = 15178 × 29.3/27 = 16471 Cu. Yds.

" # 17 — 2664 − 2596 = 68 ; 2731 − 2664 = 67 ; 68 × 158.1 = 10751 × 28.3/27 = 11269 " "

" # 18 — 2858 − 2844 = 14 ; 2873 − 2858 = 15 ; 14 × 158.1 = 2213 × 24.1/27 = 1975 " "

" # 19 — 2884 − 2868 = 16 ; 2900 − 2884 = 16 ; 16 × 158.1 = 2530 × 22.5/27 = 2136 " "

TOTAL 31851 " "

All 154 Thaw

STRIPPING WRITEOFF

X = 464 — 0 — 0

29 × 58.56 = 1698 Cu. Yds.

X = 465 — 1414 − 1357 = 57 ; 1473 − 1414 = 59 ; 58

52 × 58.56 = 3045 " "

X = 466 — 1035 − 0989 = 46 ; 1080 − 1035 = 45 ; 46

23 × 58.56 = 1347 " "

X = 467 — 0

TOTAL 6090 Cu. Yds.

G.G.F.

Pond Elev - 1956.4
Claims dredged - 21 A Bel. Sulph
Surface Area - 0.70 Acres
Avg Width Cut - 155'
" Length - - 300'

Scale 1" = 100'
Fac. 17.57 = Sq. yds.
Vernier at 34

DREDGE No 9

OCTOBER 1941

Shut down Oct 11 – 12:50 pm Lost Time Oct 11 – 7:9 a.m
10 days.

DREDGE OPERATED 10 DAYS

DUG 201 Hrs. 30 min. = 8.40 Days = 83.96 %
LOST 38 " 30 " = 1.60 " = 16.04 %

AVG. HEIGHT of BANK 4.3 Feet
DEPTH. 19.6 "
TOTAL " 23.9 "

SURFACE $\frac{5217}{5024}\ \frac{5409}{5217}$ 193 192 = 193 × 17.57 = 3391 Sq. Yds.

BEDROCK $\frac{5616}{5417}\ \frac{5813}{5616}$ 199 197 = 198 × 17.57 = 3479 "

2 | 6870

Avg. Area 3435 "

3435 × 23.9/3 = 27366 Cu. yds. TOTAL.

$\frac{27366}{10}$ = 2737 Cu. Yds per day Elapsed Time

$\frac{27366}{8.40}$ = 3258 " " " " Running Time

Chkd G.G.F.

3391 / 9 = 30 5/9

3479 / 9 = 31 3/11

3435 / 9 = 30 9/15

FACTOR = 158.1 = SQ FT.

THAWING WRITE OFF

BLOCK 16 = $\frac{0458 - 0435}{23}$ $\frac{0481 - 0458}{23}$ = $23 \times 158.1 \times \frac{29.3}{27}$ = 3946 Cu. Yds

BLOCK 17 = $\frac{0573 - 0555}{18}$ $\frac{0591 - 0573}{18}$ = $18 \times 158.1 \times \frac{28.3}{27}$ = 2983 Cu. Yds

TOTAL = 6929 Cu. Yds

Stripping Write off

X on 464 X 50'

$\frac{4120 - 4061}{59}$ $\frac{4179 - 4120}{59}$

Between 464 - 467

$59 \times 15.81 \times 50$ / 27 = 1787 Cu. Yds.

SCALE = 100' = 1"
FACTOR = 17.57 = SQ YDS
VERNIER @ 34.

DREDGE N° 9 APRIL 1942

DREDGE STARTED OPERATING APR 26th 9.00 AM
" LOST TIME STARTS " " 7.00 AM.

DREDGE OPERATED 5 DAYS
" DUG 109 Hrs 40 MINS = 4.57 DAYS = 91.39%
" LOST 10 " 20 " = 0.43 " = 8.61%

AVE HEIGHT OF BANK = 1.6 FT.
" DEPTH = 25.6 '
TOTAL DEPTH = 27.2 "

SURFACE = 0365 − 0322 = 43' ; 0408 − 0365 = 43' = 43 × 17.57 = 756 SQ YDS

BED ROCK 0430 − 0395' = 35' ; 0465 − 0430 = 35' = 35 × 17.57 = 615 " "
2 | 1371
AVE AREA = 686' " "

686 × 27.2 / 3 = 6220 CU. YDS

6220 / 5 = 1244 CU. YDS PER DAY ELAPSED TIME

6220 / 4.57 = 1361 CU. YDS " " DIGGING TIME

POND ELEVATION = 1957.4
CLAIMS DREDGED = 22 BELOW SULPHUR
SURFACE AREA = 0.16 ACRES
AVE WIDTH OF CUT = 170'
" LENGTH " " = 45'

756 / 9 = 6804
615 / 5 = 5535
686 / 9 = 6174'

THAWING WRITE OFF

UNIT - 14 = $\frac{5831}{5682}$ $\frac{5978}{5831}$ = 148 × 158.1 × $\frac{32}{27}$ = 27732 Cu Yds

UNIT 15 = $\frac{6173}{6009}$ $\frac{6336}{6173}$ = 164 × 158.1 × $\frac{30.7}{27}$ = 29482 Cu Yds

UNIT 16 = REMAINDER = = 13750 Cu. Yds

UNIT 17 = $\frac{6406}{6320}$ $\frac{6492}{6406}$ = 86 × 158.1 × $\frac{28.3}{27}$ = 14251 Cu Yds

TOTAL WRITE OFF = 85215 Cu. Yds

STRIPPING WRITE OFF

X-460 = = 0

38 × 58.56 = 2225 Cu. Yds

X-461 $\frac{6095}{6020}$ $\frac{6171}{6095}$ = 76

69 × 58.56 = 4041 Cu. Yds

X-462 $\frac{6301}{6240}$ $\frac{6362}{6301}$ = 61

52 × 58.56 = 3045 Cu. Yds

X-463 $\frac{6335}{6292}$ $\frac{6378}{6335}$ = 43

51 × 58.56 = 2987 Cu. Yds

X-464 = 59

TOTAL WRITE OFF = 12298 Cu. Yds.

J.C.C.

Scale 1" = 100'
Fac. 17.57
= Sq. yds.

DREDGE № 9

MAY 1942

Dredge operated 31 Days

dug. 699 Hrs. 20 min. = 29.14 days = 94.00%

lost. 44 " 40 min. = 1.86 " = 6.00%

Avg. Height of Bank: 3.6 Feet

Depth :24.5

Total :28.1

Surface $\frac{4301 \quad 4771}{3830 \quad 4301}$ $\frac{}{471 \quad 470}$ = 471 X 17.57 = 8275 Sq. Yds.

Bedrock $\frac{5217 \quad 5682}{4752 \quad 5217}$ $\frac{}{465 \quad 465}$ = 465 X 17.57 = $\frac{8170 \text{ Sq. Yds.}}{2 \mid 16445}$

AVE AREA = 8223 Sq Yds

$\frac{2741}{8223} \times \frac{28.1}{3}$ = 77022 TOTAL Cu. Yds.

$\frac{77022}{31}$ = 2,485 Cu. Yds PER DAY ELAPSED TIME

$\frac{77022}{29.14}$ = 2,643 " " " " DIGGING TIME

POND ELEV = 1954.0

CLAIMS DREDGED = 22 & 23 B.D SULPHUR

SURFACE AREA = 1.71 ACRES

AV. WIDTH OF CUT = 220'

" LENGTH " " = 350'

J.C.C.

8275	8170	8273
9	9	9
74475	73530	74007

THAWING WRITE OFF

UNIT - 12 — 3920 / 3799 / 121 ; 4039 / 3920 / 119 = 120 × 158.1 × 24/27 = 16864 Cu Yds

UNIT - 13 — 4274 / 4051 / 223 ; 4498 / 4274 / 224 = 224 × 158.1 × 31.5/27 = 41316

UNIT 14 — REMAINDER = = 11954 Cu Yds

UNIT 15 — 4539 / 4450 / 89 ; 4629 / 4539 / 90 = 90 × 158.1 × 30.7/27 = 16179

TOTAL WRITEOFF = 86313 Cu. Yds.

STRIPPING WRITEOFF

X - 457 = 2137 / 1988 / 149 ; 2283 / 2137 / 146 = 148 = 140 × 58.56 = 8198 Cu. Yds

X - 458 — 2254 / 2199 / 55 ; 2382 2516 / 2251 2382 = 132 = 147 × 58.56 = 8608

X - 459 — 2391 / 2229 / 162 ; 2553 / 2391 / 162 = 120 × 58.56 = 7027

X - 460 — 2491 / 2413 / 78 ; 2567 / 2491 / 76 = 77 = 38 × 58.56 = 2225

X - 461 = 0 = 0

TOTAL KRITEOFF = 26058

SCALE 1" = 100'
FACTOR = 17.57
= SQ YDS

DREDGE No 9 — JUNE 1942

Dredge operated 30 Days
dug 677 Hrs. 40 min. = 28.24 Days = 94.12 %
last 42 " 20 " = 1.76 " = 5.88 %

Avg. Height of Bank = 2.7 Feet
" Depth = 21.5 "
Total " = 24.2 "

Surface $\frac{3550}{3053}\ \frac{4049}{3550}\ \frac{4546}{4049}$ $\frac{}{497}\ \frac{}{499}\ \frac{}{497}$ = 497 × 17.57 = 8732 SQ YDS

Bedrock $\frac{5042}{4540}\ \frac{5543}{5042}$ $\frac{}{502}\ \frac{}{501}$ = 502 × 17.57 = 8820 SQ YDS

2 | 17552

AVE AREA = 8776 SQ YDS

$8776 \times \frac{24.2}{3} = 70822$ TOTAL CU. YDS

$\frac{70822}{30} = 2361$ CU YDS PER DAY ELAPSED TIME

$\frac{70822}{28.24} = 2508$ CU YDS " " DIGGING TIME

POND ELEV = 1953.2
CLAIMS DREDGED = 23 BD ON SULPHUR
SURFACE AREA = 1.8 ACRES.
AV WIDTH OF CUT = 230'
" LENGTH " " = 350

8732	8820	8776
9	9	9
78588	79380	78984

57726
41216
16510

Thawing Write off

Unit # 10 — 4713 / 4429 / 284 — 5000 / 4713 / 287 — 286 × 158.1 × 24.0/27 = 40189

11 — Remainder — 34128

12 — 5055 / 4994 / 61 — 5117 / 5055 / 62 — 61 × 158.1 × 24.0/27 = 8572

13 — Remainder — 16410

TOTAL WRITEOFF = 99299 CU YDS

Stripping Write off

Line # 453 — 1/4 of 454 = 12 — Remainder — 29 × 58.56 = ~~1698~~ 495

454 — 5532 / 5485 / 47 — 5578 / 5532 / 46 — = 47 — 67 × 58.56 = 3924

455 — 5253 / 5166 / 87 — 5340 / 5253 / 87 — = 87 — 96 × 58.56 = 5622

456 — 5006 / 4900 / 106 — 5111 / 5006 / 105 — = 105 — 127 × 58.56 = 7437

457 — 2137 / 1988 / 149 — 2283 / 2137 / 146 — = 148

TOTAL WRITE OFF = ~~18681~~ 17478 CU YDS

SCALE 1" = 100'
FACTOR = 17.57 = Sq Yds

Dredge No 9

JULY 1942

Dredge operated 31 Days

dug 687 Hrs - 50 Mins = 28.66 DAYS = 92.45 %

lost 56 - 10 = 2.34 = 7.55 %

Avg. Height of Bank = 2.9 FT

+ Depth = 19.6

Total = 22.5

SURFACE — $\frac{3089}{2469}\ \frac{3719}{3089}\ \frac{4338}{3719}\ \frac{4955}{4338}$: 620 / 630 / 619 / 617 = 619 × 17.57 = 10876 Sq Yds

BEDROCK — $\frac{5547}{4884}\ \frac{6200}{5547}\ \frac{6857}{6200}\ \frac{7517}{6857}$: 663 / 653 / 657 / 660 = 659 × 17.57 = 11.579

2 | 22455

AV. AREA = 11228 Sq Yds

$11228 \times \frac{22.5}{3} = 84210$ CU. YDS TOTAL

$\frac{84210}{31} = 2716$ CU. YDS PER DAY ELAPSED TIME

$\frac{84210}{28.66} = 2938$ " " " DIGGING

POND ELEV — 1954.1

CLAIMS DREDGED = 23 - 24 BELOW ON SULPHUR.

SURFACE AREA = ~~232~~ ACRES.

AV WIDTH OF CUT = 290 FT

" LENGTH " " = 350 FT.

$\frac{10876}{9} = 9784$

$\frac{11579}{9} = 10421$

$\frac{11228}{9} = 10105$

THAWING WRITEOFF

UNIT = 10 Remainder = 38535 Cu Yds

= 12

6960	7209	7457
6716	6960	7209
244	249	248

247 X 158.1 X 24/27 = 34708 Cu Yds

THAWING WRITEOFF = 73243

STRIPPING WRITEOFF

X = Line = 454

Remainder = 6469 Cu Yds

455

Remainder = 9655

456

Remainder = 8021

457

Remainder = 4408

458

1/3 of Remainder = 2063

459

STRIPPING WRITEOFF = 30616 Cu Yds

SCALE - 1" = 100'
FACTOR - 17.57 = SQ YDS
VERNIER AT 34

DREDGE N°9 AUGUST 1942

DREDGE OPERATED 31 DAYS
DUG 691 HRS - 05 MINS = 28.80 DAYS = 92.89 %
LOST 52 " 55 " = 2.20 " = 7.11 %

AVE HEIGHT OF BANK = 5.4 FT
" DEPTH = 14.5 "
TOTAL DEPTH = 19.9 "

SURFACE — $\frac{5092 - 4569}{523} \quad \frac{5616 - 5092}{524}$ = 524 x 17.57 = 9207 SQ YDS

BEDROCK — $\frac{6160 - 5634}{526} \quad \frac{6687 - 6160}{527}$ = 526 x 17.57 = 9242

2 | 18449

AVE AREA = 9225

$9225 \times \frac{19.9}{3} = 61193$ CU. YDS TOTAL

$\frac{61193}{31} = 1974$ CU YDS PER DAY ELAPSED TIME

$\frac{61193}{28.80} = 2125$ " " " " DIGGING "

POND ELEVATION = 1957.4
CLAIMS DREDGED = 23-24 BELOW DISC SULPHUR.
SURFACE AREA = 1.90 ACRES
AVE WIDTH OF CUT = 170 FT
" LENGTH " " = 490 "

9207 / 9 = 8483
9242 / 9 = 8317.8
9225 / 9 = 8302.5

THAWING WRITEOFF

UNIT # 12 Remainder = 23856

" 15 Do. = 82941

" 17 $\frac{1038}{0882}\ \frac{1199}{1038}\ \frac{1355}{1199}$ / 156 / 161 / 156

$156 \times 158.1 \times 8.3 / 27 - 25851$

WRITEOFF = 132648 Cu Yds

STRIPPING WRITEOFF

X-Line 458 Remainder = 4126

459 Do = 14399

460 Do. = 13673

461 Do. = 10768

462 Do. = 8120

463 Do. = 9867

464

STRIPPING WRITEOFF = 60953 Cu Yds.

Scale 1" = 100'
Fac. 17.57 = 39 yds.
Vernier at 34

DREDGE Nº 9

SEPTEMBER 1942

DREDGE OPERATED : 30 Days.
DUG : 679 Hrs. 0 min = 28.29 days = 94.31 %
LOST : 41 " 0 " = 1.71 " = 5.69 %

AVG. HEIGHT of BANK : 2.4 Feet
DEPTH : 16.5 "
TOTAL " : 18.9 " "

SURFACE : 3159 / 2365 / 794 ; 3961 / 3159 / 802 ; 4756 / 3961 / 795

BEDROCK : 5591 / 4785 / 806 ; 6399 / 5591 / 808

795 × 17.57 = 13968

807 × 17.57 = 14179

2 | 18147

AVE AREA 14074

$$14074 \times \frac{18.9}{3} = 88666 \text{ TOTAL CU. YDS.}$$

$$\frac{88666}{30} = 2956 \text{ CU. YDS PER DAY ELAPSED TIME.}$$

$$\frac{88666}{28.29} = 3134 \text{ " " " " DIGGING "}$$

POND ELEVATION — 1958.3
CLAIMS DREDGED — 22 & 23 BELOW SULPHUR
SURFACE AREA = 2.89 ACRES
AV WIDTH OF CUT = 220 FT
" LENGTH " " = 570 FT.

13968 / 2 / 14179 / 9 / 14074 / 9

1V7171 1V7611 1V6666

THAWING WRITEOFF

UNIT # 17 — Remainder - 28.3 depth = 49475 cu. yds.

UNIT # 19 — 8491 / 8448 = 43; 8532 / 8491 = 41

= 42 x 158.1 x 22.8/27 = 5607

Total 55,082 cu. yds.

STRIPPING WRITEOFF

X-Line # 464 — Remainder = 8158 cu. yds.

465 = 7250

466 — ½ Remainder = 4147

467

Total. 19555 cu. yds.

DREDGE No 9. OCTOBER - 1942.

SCALE - 1" = 100'
FAC - 1757 = 5 sq yds.
VERNIER @ 34.0.

DREDGE OPERATED - 16 days. - CLOSED DOWN FOR SEASON. Oct 17th 7:00 AM.
" DUG - 286 hrs - 10 min. = 11.92 days. = 74.52%
" LOST - 97 " 50 " = 4.08 " = 25.48%
AVG. HGT. OF BANK: 3.9'
" DEPTH : 14.8'
TOTAL 18.7'

SURFACE: 7183 / 6860 / 323 ; 7506 / 7183 / 323

323 X 17.57 = 5675 sq. yds.

BEDROCK: 7811 / 7487 / 324 ; 8139 / 7811 / 328 ; 8469 / 8139 / 330

329 X 17.57 = 5780

2 | 11455

Avg. Area 5728 sq. yds.

5728 X 14 8/3 = 28258 cu. yds. Total

28258 / 16 = 1766 cu. yds. per day — elapsed time

28258 / 11.92 = 2371 " " " " — running time

GGF.

POND ELEVATION: 1963.6'
CLAIMS DREDGED: 22 BELOW ON SULPHUR. —
SURFACE AREA : 1.18 ACRES.
AVG. WIDTH of CUT: 210' Ft.
" LENGTH " : 225 Ft.

675 / 9 = 1075 ; 780 / 9 = 2080 ; 728 / 9 = 1232

Dr. lost 80 hrs due to running 2 shifts only from 7th to 16th incl. = 3.33 days = 20.83% of elapsed time = 81.77 % of total Lost Time.

Thawing Write off

Block 19 - $\frac{6878}{6606}$ $\frac{7148}{6878}$ $\frac{\text{22.8}}{\text{272}}$ $\frac{}{\text{270}}$ $\text{271} \times \frac{17.57 \times 7.6}{3} = 36178$ Cu.Yds.

Stripping Write off

X-sec 466-467 - Remainder = 4148 Cu.Yds
467-468 - " = 10551 "
468-469 - " = 12197 "
Total = 26896 "

Dredge No. 9 — May 1949

Started operating May 11 - 8 AM

Dredge operated 21 days.
- dug 451 hrs 30 min = 18.81 days = 89.58 %
- lost 52 - 30 - = 2.19 - = 10.42 %
Avg. Nat Bank = 4.7 Ft
- Depth = 15.8 -
Total - = 20.5 -

Surface - $\frac{5941}{5487}$ $\frac{6200}{5941}$ 224 × 17.57 = 4515 Sq. Yds.

Bedrock - $\frac{6253}{5990}$ $\frac{6455}{6253}$ 262 × 17.57 = $\frac{4603}{9118}$

Avg. Area = 4559

$\frac{4559 \times 20.5}{3}$ = 3113 Cu. Yds.

$\frac{3113}{21}$ = 1483 Cu. Yds per day elapsed time

$\frac{3113}{18.81}$ = 165 - - running -

Road Elev -
Claims dredged - 21-22 Below Sulphur
Surface Area - 0.93 Acres.
Avg. Width cut - 180 Ft.
Length - - 230 -

$\frac{4515}{9}$ $\frac{4603}{9}$ $\frac{4559}{9}$

40635 41427 41031

Thawing Writeoff

Block #19 Remainder = 8137 Cu. Yds.

#20 ✓ = 68393 ✓

#22 (18.6) $\frac{3935}{3855}$ $\frac{80}{}$ $\frac{4013}{3935}$ $\frac{78}{}$ · $\frac{79 \times 17.57 \times 18.6}{3}$ = 8605 ✓

Total = 85137 ✓

Stripping Writeoff

X ms

469-470 = 1/3 Remainder = 6774 Cu. Yds.

470-471 = 1/3 ✓ = 9949 ✓

471-472 = 1/2 ✓ = 18098 ✓

472-473 = 1/4 ✓ = 11184 ✓

Total = 45505 ✓

Dredge Nº 9 June 1949

Dredge operated 30 days.
dug 648 hrs. 45 min. = 27.03 days = 90.10%
lost 71 " 15 " = 2.97 days = 9.90%
Avg. Hgt. Bank = 5.1 Ft.
" Depth = 14.8 "
Total " = 19.9 "

Surface $\frac{1904}{1326}{}_{578}$ $\frac{2479}{1904}{}_{575}$ 577 X 17.57 = 10138 Sq Yds.

Bedrock $\frac{3047}{2502}{}_{545}$ $\frac{3595}{3047}{}_{548}$ 546 X 17.57 = 9593

19731

Avg Area = 9866

$\frac{9866 \times 19.9}{3}$ = 65444 Cu. Yds.

$\frac{65444}{30}$ = 2181 Cu. Yds. per day elapsed time

$\frac{65444}{27.03}$ = 2421 " " running

Pond Elev. =
Claims Dredged = 20 Bol. Sulphur
Surface Area = 2.09 Acres
Avg. Width Cut = 210 Ft.
" Length " = 420 "

10138 9593 9866
9 9 9
91242 86337 88794

Thawing Writeoff

Block # 22 (18.6)	1890 / 1419 / 471	2784 / 2314 / 470	$\frac{471 \times 17.57 \times 18.6}{3}$	=	1291 cu. yds.
# 23 (18.7)	2891 / 2784 / 107	2996 / 2891 / 105	$\frac{106 \times 17.57 \times 18.7}{3}$	=	11610
# 24 (15.3)	3322 / 2996 / 326	3647 / 3322 / 325	$\frac{326 \times 17.57 \times 15.3}{3}$	=	29210
# 25 (17.5)	3810 / 3647 / 163	3971 / 3810 / 161	$\frac{162 \times 17.57 \times 17.5}{3}$	=	16605
				Total =	108716

Stripping Writeoff

X-Sec 472-473-1/4	Remainder	=	8388 cu. yds.
473-474-1/3		=	18101
474-475-1/2		=	33061
475-476-2/3		=	52578
476-477-2/3		=	53224
477-478-1/4		=	22230
		Total =	187582

Dredge N° 9 July-'49

Dredge operated 31 days
dug 657 hrs. 40 min. = 27.40 days = 88.40 %
lost 86 - 20 = 3.60 = 11.60 %
Avg. Hgt. Bank: 2.9 Ft.
Depth = 14.1
Total = 17.0

Surface $\frac{2500}{1497}$ / $\frac{3500}{2500}$ / $\frac{1003}{1000}$ 1002 X 17.57 = 1760 sq. yds.

Bedrock $\frac{4445}{3494}$ / $\frac{5394}{4445}$ / $\frac{951}{949}$ 950 X 17.57 = 16691

34296

Avg. Area = 17148

$\frac{17148 \times 17.0}{3} = 97172$ Cu. Yds.

$\frac{97172}{31} = 3135$ Cu Yds. per day elapsed time

$\frac{97172}{27.40} = 3546$ - - running -

Pond Elev. = ~~1954~~ 1961
Claims Dredged: ~~19~~ 20 Below Sulphur
Surface Area - 3.43 Acres
Avg. Width Cut = 210 Ft.
length = 740

1760 / 9 = 15844

16691 / 9 = 150219

17148 / 7 = 154332

Thawing Writeoff

Block #18 Remainder = 12906 Cu. Yds.

#21 ✓ = 8695 ✓

#22 ✓ = 6444 ✓

#23 (18.7) $\frac{5951}{5707}$ / 244 $\frac{6192}{5951}$ / 241 $\frac{81}{243} \times \frac{17.7 + 17.7}{3} \times 18.7$ = 2628 ✓

Total = 13287 ✓

Stripping Writeoff

X ns 469-470 - Remainder = 1248 Cu. Yds

470-471 - ✓ = 1989 ✓

471-472 - ✓ = 1809 ✓

472-473 - ✓ = 2516 ✓

473-474 - 3/4 ✓ = 2713 ✓

474-475 - 1/2 ✓ = 1630 ✓

Total = 11939 ✓

Dredge N° 9 Aug 49

Dredge operated 31 days
dug 655 hrs. 55 min. = 27.33 days. = 88.16 %
lost 88 . 05 = 3.67 = 11.84 %
Avg. Hgt. Bank = 1.7 Ft.
Depth = 17.1
Total = 18.8

Surface 2483 / 1506 / 977 — 3461 / 2483 / 978 — 978 x 17.57 = 17183 Sq. Yds.

Bedrock 4465 / 3472 / 993 — 5458 / 4465 / 993 — 993 x 17.57 = 17447
= 34630

Avg. Area = 1731.5

$\frac{1731.5 \times 18.8}{3}$ = 10807 Cu. Yds.

$\frac{10807}{31}$ = 3500 Cu. yds. per day elapsed time

$\frac{10807}{27.33}$ = 3970 " " running

Pond Elev = ~~1039~~ 1964.8
Claims Dredged = 20-21 Bel. Sulphur
Surface Area = 3.55 Acres
Avg. Width Cut = 210 Ft.
Length = 1020

17183 / 9 / 1546.47

17447 / 9 / 1570.23

1731.5 / 5 / 1558.35

Thawing Writeoff

Block N° 23 — Remainder = 40892 cu.yds

N° 24 (15.3)	2890 − 2870 = 20	2912 − 2890 = 22	$= \frac{21 \times 17.57 \times 15.3}{3}$	= 1882
N° 25		Remainder		= 3567
1949 Thaw. N° 27 (18.0)	2005 − 1942 = 63	2066 − 2005 = 61	$= \frac{62 \times 17.57 \times 18.0}{3}$	= 6534
1949 Thaw. N° 28 (18.0)	2382 − 2066 = 316	2695 − 2382 = 313	$= \frac{315 \times 17.57 \times 18.0}{3}$	= 33204

Total = 118079

Stripping Writeoff

X[3]	473-474 =	Remainder	= 9050 cu.yds.
	474-475 =		= 16531
	475-476 =		= 20000
	476-477 = 3/4		= 19959
	477-478 = 1/2		= 33345
	478-479 =		= 59912
	479-480 = 1/2		= 27227
		Total	= 186024

Dredge N° 9 Sept. 1949

Dredge operated 30 days
dug 653 hrs. 40 min. = 27.24 days. = 90.79 %
lost 66 20 = 2.76 = 9.21 %
Avg. Hgt. Bank = 2.2 Ft.
Depth = 16.3
Total = 18.5

Surface $\frac{2349}{2212}\ \frac{3480}{2849}$ $\frac{}{1137}\ \frac{}{1131}$ 1134 x 17.57 = 19924 Sq Yds.

Bedrock $\frac{4575}{3455}\ \frac{5693}{4575}$ $\frac{}{1120}\ \frac{}{1118}$ 1119 x 17.57 = 19660

39584

Avg. Area = 19792

$\frac{19792 \times 18.5}{3} = 122050$ Cu Yds.

$\frac{122050}{30} = 4068$ Cu. Yds. per day elapsed time

$\frac{122050}{27.24} = 4480$ running

1964.8

Pond Elev. = ~~2053.9~~
Claims Dredged = 19-20 Bel. Sulphur
Surface Area = 4.12 Acres.
Avg. Width Cut = 215 Ft.
Length = 860

$\frac{19924}{9}\ \frac{19660}{9}\ \frac{19792}{9}$

179316 176940 178128

Thawing Writeoff

Block No 24 Remainder = 150 Cu Yds

1949 Thaw	26 15.0	1481 1429 52	1533 1481 52	$\frac{52 \times 17.57 \times 15.0}{3}$	= 4576
1949 Thaw	27 16.0	4363 3895 468	4834 4363 471	$\frac{470 \times 17.57 \times 16.0}{3}$	= 44043
1949 Thaw	28 17.0	6300 6057 243	6541 6300 241	$\frac{241 \times 17.57 \times 17.0}{3}$	= 24098

Total = 87766

Stripping Writeoff

Xs 476-477	Remainder	=	66544 Cu Yds
477-478		=	33344
479-480		=	27728
480-481		=	67608
481-482		=	61066

Total = 195900

Dredge No 9 Oct. 1949

Dredge operated 31 days.
" dug 670 hrs 10 min = 27.9 days = 90.08%
" lost 73 " 50 " = 3.08 " = 9.92%
Avg. Hgt. Bank = 3.2 Ft.
" Depth = 14.1 "
Total " = 17.3 "

Surface $\frac{3501}{1546}$ $\frac{4048}{3082}$ $\frac{5009}{4048}$
955' 966' 961'
961 × 17.57 = 16885 Sq. Yds.

Bedrock $\frac{5967}{5010}$ $\frac{6916}{5967}$ $\frac{7877}{6916}$
957' 949' 961'
957 × 17.57 = 16815
33700
Avg. Area = 16850

$\frac{16850 \times 17.3}{3} = 97168$ Cu. Yds.

$\frac{97168}{31} = 3134$ Cu. Yds. per day elapsed time

$\frac{97168}{27.9} = 3480$ " " running "

1965.9
Pond Elev. = ~~2055.0~~
Claims dredged = 19-20 Bel. Sulphur
Surface Area = 3.49 Acres.
Avg. Width Cut = 175 Ft.
" Length " = 880 "

$\frac{16885}{9}$ $\frac{16815}{9}$ $\frac{16850}{9}$
1519.5' 1513.3' 1516.5'

Thawing Writeoff

1949 Thaw Block No 27 (16.0)

7528	7626
7431	7528
97	98

$\frac{98 \times 17.57 \times 16.0}{3} = 9183$ cu. yds.

1949 Thaw 28 (17.0)

1941	2412
1466	1941
475	471

$\frac{473 \times 17.57 \times 17.0}{3} = 47093$

Total = 56276

Stripping Writeoff

X ns	480-481	Remainder	= 11270
	481-482	4/5	= 24428
	482-483	1/2	= 51008
	483-484	1/6	= 17898
		Total	= 104604

Dredge N° 9 — Nov. 1949

Shut down Nov 22 – 8:30 AM

Dredge operated 21 days.
dug 449 hrs. 40 min. = 18.74 days = 89.22 %
lost 54 : 20 = 2.26 = 10.78 %
Avg Hgt Bank = 2.4 Ft.
Depth = 15.2
Total = 17.6

Surface	4648 4074	5784 5213	573 X 17.57 = 10068 sq. yds.
	574	571	
Bedrock	6338 5790	6890 6338	550 X 17.57 = 9664
	548	552	2 | 19732
			Avg. Area = 9866

$\frac{9866 \times 17.6}{3} = 57881$ cu. yds.

$\frac{57881}{21} = 2756$ cu. yds. per day elapsed time

$\frac{57881}{18.74} = 3089$ " " " " running

1949.3
Pond Elev. : ~~2058.4~~
Claims Dredged: 18-19 Bal. Sulphur
Surface Area: 2.08 Acres
Avg. Width Cut: 185 Ft.
Length : 480

10068	9664	9866
9	9	9
90612	86976	88794

Thawing Width

Block 26 (15.0)

0944 − 0807 = 137

1084 − 0944 = 140

$$\frac{139 \times 17.5 \times 15.0}{3} = 12210$$

Block 27 (16.0)

2233 − 1910 = 323

2564 − 2233 = 331

$$\frac{109 \times 17.5 \times 16.0}{3} = 30640$$

Total = 42850

Stripping Width

X² 481 - 482 - Remainder = 6106 Cu Yds.

482 - 483 - = 51007

483 - 484 - ½ - = 44475

Total = 101858

Dredge N=9 May 1950

Started May 1 - 9:45 AM.

Dredge operated 31 days
- dug 681 hrs. 25 min. = 28.39 days = 91.5% ?
- lost 6 hr - 35 - = 7.61 - = 8.44 ?
Avg Mat Bank = 3.5 Ft.
- Depth = 14.5 -
Total - = 18.0 -

Surface

0736 / 0261 / 475 ✓

1213 / 0736 / 477 ✓

476 ✓ × 17.57 ✓

8363 sq. yds ✓

Bedrock

1691 / 1220 / 471 ✓

2165 / 1691 / 474 ✓

472.5 ✓ × 17.57 ✓

8302 sq. yds ✓

2 | 16665

8332.5 ✓ " "

8332.5 ✓ × 6.0 / 18.0 / 3 =

49995 ✓ cu. yds

49995 / 31 = 1612 cu. yd per day Elapsed Time.

4999.5 / 28.39 ✓ 1761 ✓ " " " " Running Time

Pond Elev - 1969.4
Claims dredged - 18-19 Sulph.
Surface Area - 173 Acres
Avg Width cut - 210 Ft
- Length - 358 "

Surface	Bedrock	Av.
75267 ✓	74718 ✓	74992.5

Thawing Write off

Block 26 - Remainder	=	55-24 Cu. Yds.
" 27 - "	=	1183 - "
" 28 - 1/4 "	=	5731 "
" 29 - 1/3 "	=	9895 - "
" 30 - 140 x 330 x 17.0 / 27	=	29089 "
" 31 - 135 x 55 x 19.0 / 27	=	5225 - "
	Total =	47299 "

Stripping Write off

XJ 483 - 484 - 1/3 Remainder	=	1491 - Cu. Yds.
484 - 485 - 3/5 - "	=	65997 -
485 - 486 - 1/2 "	=	60093 -
	Total =	141005 "

DREDGE #9 JUNE 1950.

DREDGE OPERATED - 30 days.
" DUG 661 hrs 35 MIN = 27.57 days = 91.89%
" LOST 58 " 25 " = 2.43 days = 8.11%
AVG. Hgt of BANK = 3.6 ft
" DEPTH " = 14.6 "
TOTAL = 18.2"

SURFACE 5805 − 5082 = 723 ✓ 6528 − 5805 = 723 ✓ = 723 × 17.57 = 12703. sq-yds ✓

BEDROCK 7256 − 6537 = 719 ✓ 7968 − 7256 = 712 ✓ 715 × 17.57 = 12563.55 sq.yds ✓

25266
12633 Av. " "

4211 ✓
12,633 × 18.2/3

76640 ✓ cu.yds.

76,640/30 = 2,555.7 cu yds / Elapsed Time ✓

76,640/2757 2780 ✓ " " / Running Time

Pond E1
Claims Dredged 19 Bel Sulch.
Surface Area 2.62 Acres
Av. Width of Cut 215'
Av Length of " 532'

12703 × 9 = 114327 ✓

113067 ✓

113697 ✓

Thaw Waste

Block 28 - Remainder = 17194 Cu Yds.

- 31 - (19.0) — 3900 / 3203 / 697 — 4590 / 3900 / 690 — 31 — 693 × 17.57 × 190 / 3 = 77121

Total = 94315

Stripping Waste

X7 483-484 - Remainder = 29830 Cu Yds.

484-485 - = 43999

485-486 - = 60093

486-487 - 7/5 - = 53076

Total = 186998

Dredge No 9 — July 1970

Dredge Operated 31 days

" Dug 667 hrs 15 Min = 27.80 days = 89.68 %

" lost 76 " 45 " 3.20 " = 10.32 %

Av. High Bank = 2.9 ft.

" Depth 17.4 "

Total " 20.3 "

Surface

1493 + 624 = 869

2356 − 1493 = 863

866 " Area = 17.57 × 866 = 15216 sq yd.

Bedrock

3186 − 2342 = 844

4030 − 3186 = 844

844 " Area = 17.57 × 844 = 14829 " "

30045

Av. 15,022.5

50075

15022.5 × 20.3 / 3

101652 / 31

101652 / 27.80 =

101652.

3279.0 cu yd / Elapsed Day

3656 cu yd / Running Day

Pond El. 1970.4

Claims Dredged 18-19 Bel Sulph.

Surface Area Dredged = 3.14 Acres

Av. Width of Cut = 209 ft

" Length " " = 655 "

136944 133461 135198.5

Thaw write off

Block 29 – Remainder = 19791

Block 30 – $\frac{1135}{550}$ $\frac{1725}{1135}$ $\frac{}{585}$ $\frac{}{590}$ $587 \times \frac{17.57 \times 17.0}{3}$ = 58440

Total 78231

Stripping write off

Xmas 486-487 Remainder = 79613

487-488 ½ ✓ = 71557

488-489 ¼ ✓ = 35419

489-490 ¼ ✓ = 33533

Total 220122

Dredge # 9 — Aug. 1950

Dredge operated 31 days
" dug. 676 hrs 55 Min 28.21 days = 90.98%
" lost 67 " 05 " 2.79 " 9.02%

Av. ht of Bank 4.0
" Depth 13.9
Total 17.9

Surface
8528 / 7567 = 941
9472 / 8528 = 944
942 × 1757 = 16551 sq. yd.

Bedrock
10417 / 9490 = 927
1346 / 0417 = 929
928 × 17.57 = 16305 " "

2 | 32856
Average Area. 16428 sq. yds.

$16428 \times \frac{17.9}{3} =$ 98,020 cu. yds.

$\frac{98020}{31}$ = 3162.0 cu. yd/Elapsed Day

$\frac{98020}{28.21}$ = 3474.7 cu yd/Running Day.

Pond El. 1970.6
Claims dredged 18-19
Surface Area 3.42 Acres
Av. Width = 205'
" Length 725'

148959 146745 147852

Thaw write off

Block 30	–	Remainder	=		12015
31	–	✓	=		27574
32	–	2392 − 2156 = 236	2625 − 2392 = 233	$235 \times \frac{17.57}{3} \times 15.0 =$	20640
33	–	3182 − 2602 = 580	3761 − 3182 = 579	$580 \times \frac{17.57}{3} \times 21.0 =$	71337
35	–	3836 − 3758 = 78	3919 − 3836 = 83	$81 \times \frac{17.57}{3} \times 21.0 =$	9954
				Total	141520

Stripping write off

XHS 487-488		Remainder		=	71557
488-489		✓		=	106256
489-490		✓		=	100597
490-491	¼	✓	$\frac{1}{4} \times 124840$	=	31210
			Total		309620

Dredge # 9 Sept 1950

Dredge Operated 30 days

Dredge Dug 665 hrs 05 Min = 27.7 days = 92.37 %

Dredge Lost 51 " 55 " 2.3 " 7.63 %

Av. height of Bank 2.0
" Depth. 16.0
Total 18.0

Surface
9764 − 8592 = 1172
10942 − 9764 = 1178
21 09 − 0942 = 1167
11.72 × 17.57 = 20592 sq yd

Bedrock
3279 − 2115 = 1164
4452 − 3279 = 1173
5626 − 4452 = 1172
6790 − 5626 = 1164
1169 × 17.57 = 20539 sq yd

2) 41131

20565 " "

Av. Area

$20565 \times \frac{18.0}{3} = 123390$ cu. yd.

$\frac{123390}{30} = 4113.0$ cu.yd. per Elapsed Day

$\frac{123390}{27.7} = 4454$ cu.yd./ Running Day.

Pond Elevation 1970.0
Claims Dredged. 18
Surface Area 4.26 Acres
Av. Width of Cut 235'
" Length " " 790' "

185328 184851 185085

Thaw Write-off

Block 34 – $\frac{700 \times 17.57 \times 21.3}{3}$ = 87500 – 17232 = 75268 Cu.Yds.

(to balance W.O. in 1951 Thaw.)

Block 35 – $\frac{271 \times 17.57 \times 24.9}{3}$ = 39566 ✓

Total = 114834 /

Stripping Write off

X1 490-491 – Remainder = 93630 Cys.

491-492 – 5/6 ✓ = 8932 ✓

492-493 – 1/10 ✓ = 9135 ✓

Total 192089 / ✓

Dredge 9 — Oct 1950

Dredge Operated 31 Days

" Dug 671 hrs 55 Min = 28.00 Days 90.31%

" Lost 72 " 05 " = 3.00 " 9.69%

Av. Height of Bank = 4.6

" Depth 14.6

Total 19.2

Surface Area: 6486 − 5553 = 927 (33) ; 7417 − 6486 = 931 ; 929 × 17.57 = 16.323 Sq Yd

Bedrock 8327 − 7413 = 914 ; 9241 − 8327 = 914 ; 914 × 1757 = 16059 Sq Yd (3238)

Av. Area = 16191 Sq Yd

16191 × 19.2 / 3 = 103622 Cu/yd.

103622 / 31 = 3343.2 Cu Yd/Elapsed Day

103622 / 28.0 = 3700.7 Cu Yd/Running Day

Pond El = 1971.7

Claims Dredged = 17-18 Bel Supply

Surface Area = 3.37 Acres

Av. Width of Cut = 224'

Av. Length of Cut = 655'

146907 144531 145719

Thaw Writeoff

Block #34 — 21.3

1265 / 1192 / 73 — 1338 / 1265 / 73

73 × 17.5 × 7.1 / 3 = 902 Cu. Yds.

Stripping Writeoff

X-sec 492 – 493 – 1/8 Remainder = 1027 Cu. Yds.

Dredge # 9 Nov. 1950

Shut Down Nov. 5, 8 A.M.

Dredge operated 4 days
Dredge Dug 87 hrs 45 min = 3.66 days = 91.4%
Dredge Lost 8 " 15 " = 0.34 " = 8.5%

Av. Hgt of Bank. = 55 ft.
Av. Depth = 13.7 "
Total. = 19.2 "

Surface: Area $\frac{7100}{7028}$ $\frac{7172}{7100}$ $\frac{72}{72}$ 72 x 1757 1265 Sq Yd.

Bedrock: Area: $\frac{7218}{7149}$ $\frac{7285}{7218}$ $\frac{69}{67}$ 68 x 1757 1195 Sq. Yd.

2460

= 1230

Av. Area

$$\frac{1230 \times 19.2}{3} = 7872 \text{ Cu. Yds.}$$

C.4

$\frac{7872}{4}$ = 1968 Cu. Yds. per day elapsed time

$\frac{7872}{3.66}$ = 2151 " " running "

Pond El. 1971.9
Claims Dredged 17 Sulphur.
Area 0.26 Acres
Av. Length of Cut 60 ft.
Av. Width of cut. 190 ft.

11385 10755 11070

Thaw Writeoff

Block #34 - (>1.3) ✓ 7901 8192 / 7609 7901 / >9 >9 ✓

>94 x 176 x 7.1/3 = 36897 Cu.Yds.

Stripping Writeoff

X² 492 - 493 ✓ - 1/3 ✓ Remainder = >3979 Cu Yds.

493 - 494 ✓ - 1/3 ✓ = >4916 ✓

Total = 48895 ✓

Dredge N-9

May 15-1

Started May 3 - 10:00 AM.

Dredge operated 29 days
- dug 693 hrs 50 min = 28.37 days = 90.9% of
- lost 63 - 10 - = 2.63 - = 9.08%

Avg Hgt. Bank = 3.5 Ft.
- Depth = 14.8 -
Total - = 18.3 -

Surface - 8421 8773 9069 / 8123 8421 8773 / 298 352 296 × 17.67 = 5248 Sq. Yds.

Bedrock 0958 1243 / 0671 0958 / 287 285 × 17.67 = 5054 / 10302

Avg. Area = 5171

5171 × 18.3 / 3 = 31421 Cu. Yds.

31421 / 29 = 1083 Cu. Yds. per day elapsed time

31421 / 26.37 = 1192 - - running -

Pond Elev - 1972.1
Claims dredged - 17 Bel Sulph
Surface Area - 1.08 Acres
Avg width Cut - 130 Ft.
- Length - - 390 -

5248 / 47232 5054 / 45486 5154 / 46389

Thawing Write off

Block 34 - 1380 1404 / 1354 1380 — 25 × 17.67 × 7.1 / 3 = 3125 Cu Yds

34 - Remainder = 9616

37 - 3444 3787 / 3254 3616 — 166 × 17.67 × 8.0 / 3 = 23406

Total = 122696

Stripping Write off

491 - 492 Remainder = 17865 Cu Yds.
492 - 493 " = 47957
493 - 494 5/6 " = 41554
494 - 495 1/5 " = 12931

Total = 120308

Dredge # 9 June 1951

Dredge Operated 30 days

Dredge Dug 659 hrs 55 Min = 2750 days
= 91.66%

" List 60 hrs 05 " = 2.50 days - 8.34%

Av. ht of Bank = 4.4
Av. Depth 17.0
Total 21.4

Surface 0883 / 0239 / 644 — 1527 / 0883 / 644 — 644 X 17.67 = 11379 sq yd

Bed Rock 2180 / 1544 / 636 — 2820 / 2181 / 640 — 638 X 17.67 = 11185 sq. yd.

Average Area 11282 sq. yd.

11282 X 21.4/3 = 80478 Cubic Yards

80478/30 = 2683 Cu yd/day Elapsed Time

80478/275 = 2926 cu yd/day Running Time

Pond Elev. 1975.5
Claims Dredged 16, 17, & 18
Surface Area 2.35 Acres
Length of Cut 480'
Width of Cut 213'

102411 — 101467 — 101538

Thawing Whitcoff

Block #84 ~21.3 - 1432 / 1395 = 37 ; 1474 / 1432 = 42 ; 40 × 17.67 × 7.1 / 3 × 21.3 = 5000 Cu Yds

~ #36 ~22.9 - 1828 / 1533 = 295 ; 2120 / 1828 = 292 ; 5.89 × 17.67 × 22.9 / 3 = 39690 ~

~ #87 24.0 - 2493 / 1947 = 546 ; 3038 / 2493 = 545 ; 5.89 × 17.67 × 24.0 / 3 = 76845 ~

Total = 121535 ~

Stripping Whitcoff

X2 493 - 494 - 2/3 Remainder = 1538 Cu Yds

494 - 495 - 3/4 = 38805 ~

495 - 496 - 3/4 = 47913 ~

496 - 497 - 1/3 = 18471 ~

Total = 110731 ~

Dredge #9 — July 1951

Dredge operated 31 days
- dug 687 hrs 15 min = 28.64 days = 92.37 %
- lost 56 - 45 - = 2.36 - = 7.63 %

Avg Hgt Bank : 3.2 Ft.
- Depth = 16.8 -
Total - = 20.0 -

Surface: 2251 + 1352 = 899 / 3159 − 2251 = 908 / 4060 − 3159 = 901 /

900 × 17.67 = 15903 Sq. Yds.

Bedrock: 4937 − 4051 = 886 / 5828 − 4937 = 891 /

889 × 17.67 = 15709 /

31612

Avg. Area = 15806

$\frac{15806 \times 20.0}{3}$ = 105373 Cu. Yds

$\frac{105373}{31}$ = 3399 Cu Yds. per day elapsed time

$\frac{105373}{28.64}$ = 3679 - - running -

Pond Elev - 1975.7
Claims dredged - 16 Bal Sulph.
Surface Area - 3.29 Acres.
Avg width cut - 240 Ft.
- Length - - 620 -

15903 × 9 = 143127

15709 × 9 = 141381

15806 × 9 = 142254

Thawing Write off

Block #34 – Remainder = 8679 Cu.Yds.

#36 – 2228 − 1550 = 678 ; 2906 − 2228 = 678 – 678 × 17.67 × 22.9 / 3 = 9130

#37 – 2118 − 1959 = 159 ; 2279 − 2118 = 161 – 160 × 17.67 × 8.0 / 3 = 2617

Total = 11746

Stripping Write off

#493 - 494 – Remainder = 2770 Cu.Yds.

494 - 495 – = 12934

495 - 496 – = 15972

496 - 497 – 1/3 = 24634

497 - 498 – 1/3 = 30958

498 - 499 – 1/2 = 22192

Total = 109460

Dredge # 9 Aug. 1951

Dredge operated 31 days.
- dug 669 hrs. 45 min = 27.91 days = 90.0 %
- lost 74 - 15 - = 3.09 - = 9.98 %
- Avg. Ht Bank = 5.1 Ft.
- Depth = 14.9 -
- Surface Total - = 20.0 -

Surface	9967 / 9039 / 928 ; 10889 / 9967 / 922	925 X	17.67	16345
Bed Rock	1833 / 0929 / 904 ; 2744 / 1833 / 911	908 X	17.67	16044
				32389
			Av. Area =	16195

$\frac{16195 \times 20.0}{3} = 107967$ Cu. Yds.

$\frac{107967}{31} = 3483$ Cu. Yds. per day elapsed time

$\frac{107967}{27.91} = 3868$ - - running -

Pond E1 1980.9

Claims Dredged 16 Below - Sul.

Surface Area	3.38 Acres
Av. Width of Cut	250'
Av. Length of "	588'

147105 144396 145755

Thawing Writeoff

Block #37 - Remainder = 47310 Cu Yds. +

- #39 - Est. 21.0 ?

$\frac{1158}{0761}$ $\frac{397}{}$ $\frac{1561}{1158}$ $\frac{403}{}$ $400 \times 17.67 \times \frac{7}{3} \times 21.0 = 49476$ -

Total = 116786 /

Stripping Writeoff

x² 496-497 - Remainder = 12317 Cu Yds.

497-498 - ✓ = 11479 ✓

498-499 - 3/4 ✓ = 16644 -

499-500 - 2/5 ✓ = 21796 ✓

500-501 - 2/5 ✓ = 24610 -

501-502 - 1/12 ✓ = 4913 -

Total = 95759 / ✓

Dredge # 9. Sept. 1951

Dredge Operated 30 Days.
" Dug 639 Hrs 25 Min = 26.64 days = 88.81 %
" Lost 80 " 35 " = 3.36 = 11.19 %

Av. Hgt. of Bank 3.3 ft
" Depth 20.0
Total 23.3

Surface: 066 / 9788 / 877 / 1538 / 066 / 873 / 875 x 17.67 = 15461 Sq. Yds.

Bed Rock 371 / 1540 / 831 / 3197 / 371 / 826 / 829 x 17.67 = 14648 Sq. Yds. / 30109 / Avg Area = 15054

18 / 15054 x 23.3 / 3 = 116919 Cu Yds

116919 / 30 = 3897 Cu. Yds. per day elapsed Time

116919 / 26.64 = 4389 / - running -

Pond E1. 1980. 6.

Claims Dredged 15 + 16 Below - Sulphur

Surface Area 3.19 Acres
Length of Cut 599
Width of Cut 250'

15461 / 6 / 139149 / 14648 / 9 / 131832 / 15054 / 9 / 135486

Thawing Write off

Block #38 - 9980 − 9616 = 364 ; 0349 − 9980 = 369 ; 367 × 17.67 × 22.0 / 27 = 4756 Cu Yds

Block #39 - = 0

Block #37 - Remainder = 0

Block #36 - 0437 − 0310 = 127 ; 0437 − 0568 = 131 ; 179 × 17.67 × 22.9 / 27 = 15399

Total = 6491

Stripping Write off

Xs 498-499 - Remainder = 549 Cu Yds

499-500 - 6/7 = 8020

500-501 - 4/5 = 2924

501-502 - 1/12 = 4504

Total = 6797

Dredge N°9 October 1951

Dredge operated 31 days
" dug 684 hrs. 55 min = 28.54 days = 92.06%
" lost 59 " 05 " = 2.46 " = 7.94%
Avg. Hgt Bank = 4.4 Ft.
" Depth = 20.3 "
Total " = 24.7 "

Surface $\frac{6834}{6316}$ $\frac{7350}{6831}$ $\frac{}{518}$ $\frac{}{516}$ 517 × 17.67 = 9135 Sq. Yd.

Bedrock $\frac{7855}{7339}$ $\frac{8365}{7855}$ $\frac{}{516}$ $\frac{}{510}$ 513 × 17.67 = $\frac{9065}{18200}$ " "

Av Area = 9100 " "

$9100 \times \frac{24.7}{3}$ = 74923 Cu. Yd.

$\frac{74923}{31}$ 2417 Cu. Yd per day Elapsed Time

$\frac{74923}{28.54}$ = 2625 " " " Running "

Pond E1 1978.2
Claims Dredged 15 Below - Sulphur
Area 1.89 Acres
Av Width of Cut 250 ft.
" Length " " 329 "

82215 81585 81900

Thawing Write-off

Block 36 - Remainder = 7628 Cu. Yds.

38 - 5839 / 5643 / 196 ; 6034 / 5839 / 195

196 × 17.67 × 22.0 / 3 = 25480

Total = 33108

Stripping Write-off

X-ray 499 - 500 - Remainder = 4674 Cu. Yds.

500 - 501 - = 7380

501 - 502 - 35% of = 17340

Total = 29394

Dredge No: 9 November 1941

Shut down Nov 15 - AM.

Dredge operated 14 days

dug 285 hrs. 31 min = 11.90 days = 85.00%

lost 70 - 85 - = 2.10 - = 15.00%

Avg Hgt Bank = 7.8 Ft.

Depth = 14.4 -

Total - = 22.2 -

Surface

$\frac{5052}{4798}$ / $\frac{5306}{5052}$ / $\frac{}{254}$ / $\frac{}{254}$ 254 X 17.67 = 4488 sq.yd.

Bedrock

$\frac{5539}{5279}$ / $\frac{5795}{5539}$ / $\frac{}{260}$ / $\frac{}{256}$ 258 X 17.67 = 4559 " "

9047

Av. Area 4524 Sq yd

$4524 \times \frac{22.2}{3}$ 33478 Cu Yds

$\frac{33478}{14}$ = 2391 Cu yd per day Elapsed Time

$\frac{33478}{11.90}$ 2813 Cu yd per Day Running Time

Pond El 1978.5

Claims Dredged 15 & 14

Area 0.94 Acres

Av. Width of Cut 245 Ft

Av Length of Cut 165 "

40392 41031 40716

Thawing Write off

Block 38 - $\frac{\sqrt{3} \times 27}{3}$ = 1166 Cu. Yds.

Stripping Write off

501 - 502 = .866 Cu. Yds.

April 1952

Dredge # 9 — Started digging Apr 29 - 10 AM

Dredge operated 2 days
- Dug 41 hrs 15 min = 1.72 days = 8.94 ?
- lost 6 - 45 - = 0.28 - = 14.06 ?

Avg Hgt Bank = 4.0 ft.
Depth Below = 17.0 -
Total - = 21.0 -

Surface	1841 / 1851 = 10 ✓	1859 / 1851 = 8 -	9 x 17.67	159 -
Bedrock	1866 / 1858 = 8 ✓	1872 / 1866 = 06 ✓	7 X 17.67	124 - / 283 -

Average Area = 142 □yd ✓

$142 \times \frac{21}{3} = 994$ Cu. Yds. ✓

$\frac{994}{2}$ = 497 Cu. Yds. per day elapsed time ✓

$\frac{994}{1.72}$ = 578 ✓ - running - ✓

Pond E1
Claims Dredged 14
Area .03 Acres
Av. Width of Cut 95'
" Length " " 15'

1431 ✓ 1116 - 1278 -

Thaw Kitchen

Block #38 - $\frac{(340 \times 370) + (\text{Remainder } 1 \times 120)}{27} \times 22.0$ = 2603 Cu. Yds.

Block #40 - $\frac{340 \times 110 \times 22.0}{27}$ = 30681

Total = 54704

Stripping Kitchen

#23 301 x 302 - 1/4 Remainder = 7835 Cu. Yds.

" 302 x 303 - 1/2 " = 33859

" 303 x 304 - 1/4 " = 15840

Total = 57534

Dredge # 9 May 1952

Dredge	Operated	31 days		
Dredge	Dug	647 hrs 55 Min =	27.00 Days	87.09%
Dredge	Lost	96 " 05 "	4.00 "	12.91%
Average	Height of Bank.		5.1	
"	Depth Below.		18.0	
	Total		23.1	

Surface 7941 − 7555 = 386 ; 8333 − 7941 = 392 ; 389 x 17.67 = 6873 Sq. yd.

Bedrock 8707 − 8339 = 368 ; 9075 − 8707 = 368 ; 368 x 17.67 = 6503 " "

Av. 6688 " "

$6688 \times \frac{23.1}{3} =$ 51498 Cu. yds.

$\frac{51498}{31} =$ 1661 Cu yds per day Elapsed Time

$\frac{51498}{27.00}$ 1907 " " " " Running "

Pond El.		14 Below on Sulphur
Claims Dredged		
Area		142 Acres
Av. Width of Cut		192'
Av. Length of Cut		322'

61857 58527 60192

Thawing Write off

Block #38 - Remainder = 0

- #39 - = 40291 Cu.Yds.

- #40 - $\frac{170 \times 40 \times 22.0}{27}$ = 3911

- #41 - $\frac{1704}{1325}$ $\frac{2080}{1704}$ $\frac{378}{379}$ $\frac{376}{376}$ $\frac{378 \times 17.67 \times 23.0}{3}$ = 11205

Total = 95407

Stripping Write off

X2 201-202 - Remainder = 23204 Cu.Yds

202-203 - = 33860

203-204 - 2/3 = 31678

204-205 - 30% = 10029

Total = 104071

Dredge #9 June 1952

Dredge operated	30 days			
Dredge dug	671 hrs	25 Min	27.98 days =	93.25%
Dredge lost	48 "	35 "	2.02 "	6.75%
Average height of bank	5.2 Ft			
" depth below	17.9 "			
Total	23.1 "			

Surface	9206 − 8495 = 711	9917 − 9206 = 711	711 × 17.67 = 12563 Sq. Yd.
Bedrock	10625 − 9925 = 700	11329 − 10625 = 704	702 × 17.67 = 12404 Sq. Yd.
			Av. 12483 Sq. Yd.

$12483 \times \frac{23.1}{3} = 96119$ cu. yds

$\frac{96119}{30} =$ 3207 Cu yds per day Elapsed Time

$\frac{96119}{27.98} =$ 3435 Cu yd per day Digging Time

Pond El.
Claims Dredged 14 & 13 Below on Sulphur
Area 2.60 Acres
Av. Width of Cut 263
Av. Length of Cut 430 ft

113067 111636 112347

Thaw Writeoff

Block #41 - Remainder less $\frac{320 \times 120 \times 23.0}{27}$ = 48641 Cu. Yds

" #40 - " " $\frac{330 \times 120 \times 22.0}{27}$ = 69349 "

Total = 117990 ✓

Strip Writeoff

X-2 503-504 - Remainder = 15841 Cu. Yds

504-505 - " = 35067 "

505-506 - " = 49630 "

Total = 100538 ✓

Dredge #9 July 1952

31 Days

Dredge operated	688 hrs	25 Min	28.68 days =	92.53%
" dug	55 "	35 "	2.32 "	7.47%
" lost				
Av. Hgt. Bank	4.7'			
" Depth	18.4			
Total	23.1'			

Surface

4037 − 3230 = 807

4844 − 4037 = 807

807 × 17.67 = 14260

Bedrock

5637 − 4846 = 791

6130 − 5637 = 793

792 × 17.67 = 13994

28254

Av. 14127

$14127 \times \frac{23.1}{3} = 108778$ Cu yds

$\frac{108778}{31}$ = 3509 Cu yds per day Elapsed Time

$\frac{108778}{28.68}$ = 3793 Cu yds per day Digging Time

Pond El 1990.4

Claims Dredged 13+14 Below on Sulphur

Area 2.95 Acres

Av. Width of Cut 210

" Length " " 610'

128340 125946 127143

Thaw Writeoff

Block 40- Remainder = 32266 Cu.Yds.

- 42 - $\frac{65 \times 335 \times 24.0}{27}$ = 19356 ✓

✓ 41 - Remainder = 32711

✓ 43 - $\frac{100 \times 395 \times 22.0}{27}$ = 32185 ✓

Total = 116518 ✓

Stripping Writeoff

X² 505-506 - Remainder = 0 Cu.Yds.

506-507 - ✓ = 45579 ✓

507-508 - ✓ = 42248 ✓

Total = 87807 ✓

Dredge N= 9 Aug 19--

Dredge operated 31 days
- Aug 671 hrs 50 min = 27.99 days = 90.30 %
- lost 72 - 10 - = 3.01 - = 9.70 %
Avg Hgt. Bank = 3.3 ft
- Depth = 16.9 -
Total - = 20.2 -

Surface
10260 / 9332 / 928
1218 / 0260 / 958
2170 / 1218 / 952
955 X 1767 Cu.yd. = 16875 Cu yds

Bed rock
3112 / 2178 / 934
4044 / 3112 / 932
933 X 17.67
16486
2 | 33361
16680
Av.

1668.0 X 20.2 / 3 = 112312 Cu yds

112312 Cu yd / 31 = 3623 Cu yd per day Elapsed Time

112312 / 27.99 = 4012 Cu yd per day Digging Time

Pond El. 1990.0
Claims Dredged. 13 Below on Sulphur-
Area 3.49 Acres
Av. Width of Cut 215 feet
" Length " " 705 "

151875 148374 150120

Thaw Write off

Block #43 - $\frac{380 \times 260 \times 22.0}{27}$ = 80504 Cu. Yds.

" #42 - $\frac{220 \times 230 \times 24.0}{27}$ = 44978 "

Total = 125482 "

Strip. Write off

X-Sec 508 - 509 - 11/17 Remainder = 40447 Cu. Yds.

509 - 510 - 4/7 " = 37374 "

510 - 511 - 3/8 " = 14856 "

Total = 92677 "

Dredge 9 Sept. 1952

Dredge Operated 30 Days
Dredge Dug 662 hrs 25 Min. 27.60 Days = 92.00%
" Lost 57 " 35 " 2.40 " = 8.00%
Av. Hgt Bank = 3.3'
" Depth 17.0
Total 20.3

Surface: 4650 / 3791 / 859 — 5593 / 4650 / 943 — 6534 / 5593 / 941 = 942 X 17.67 = 16645 Sq Yd.

Bed Rock: 7955 / 7028 / 927 — 8890 / 7955 / 935 = 931 X 17.67 = 16451 / 33096 Sq Yd.

Av. 16548 Sq Yd.

16548 X 20.3/3 = 111975 Cu. Yds

111975/30 = 3733 Cu Yd per day Elapsed Time

111975/27.60 = 4057 Cu Yd per day Digging Time

Pond El. 1994.6
Claims Dredged 12 + 13 Below on Sul
Area 3.44 Acres
Av. length of Cut 663'
Av. Width " " 226'

149805 148059 148932

Thaw Workoff

Block # 42 - Remainder = 7942 Cu. Yds.

" # 44 - $\frac{360 \times 75 \times 26.0}{27}$ = 26000 "

Total = 105942 "

Stripping Workoff

X-cut 08-09 - Remainder = 3479 Cu. Yds.

" 09-10 - " = 6726 "

" 10-11 - 2/3 " = 16506 "

" 11-12 - 1/2 " = 19163 "

" 12-13 - 1/6 " = 6319 "

Total = 51893 "

Dredge No: 9 October 19--

Dredge operated 31 days
" dug 657 hrs 15 min = 27.39 days = 88.34 %
" lost 86 " 45 " = 3.61 " = 11.66 %
Avg Hgt Bank = 7.0 Ft.
" Depth = 15.3 "
Total " = 22.3 "

Surface

8688 / 8118 / 570	9250 / 8688 / 562	568 x 17.67	10037 sq yd.

Bedrock

10073 / 9521 / 552	630 / 0073 / 557	555 x 17.67	9807 sq yd

Av. Area = 9922 " "

$9922 \times \frac{22.3}{3} =$ 73754 Cu. yd.

$\frac{73754}{31} =$ 2379 Cu yds per day Elapsed Time

$\frac{73754}{27.39} =$ 2693 Cu. Yds per day Digging Time

Pond Elev. - 1993.6
Claims dredged - 12 and 13 below on Sulphur
Surface Area - 2.08 Acres
Avg Width - 205 feet
" Length - 440 feet

90333 88263 89298

Thaw Write off

Block 43. Remainder = 24488 Cu Yds.

45. $\frac{33 \times 90 \times 26.0}{27}$ = 30767

Total = 55255

Stripping Write off

X[3] 510-511 - Remainder = 8553 Cu Yds.

511-512 - " = 1963

512-513 - 1/4 of Total = 9479

Total = 36895

Dredge N:9 November 195-
Shutdown for season Nov. 27 - 8:00 PM.

Dredge operated 26 days
- dug 56- hrs. N min = 23.55 days : 90.87%
- lost 58 - 45 - = 2.45 - = 9.45 %
Avg. Hgt. Bank: 3.7 Ft.
- Depth = 17.9 - Avg. Depth in BR: 3.0 Ft.
Total - = 21.6 -

Surface $\frac{7110}{6669}\ \frac{7561}{7110}\ \frac{}{451}$ = 446 X 17.67 7881 Sq yd

Bedrock $\frac{7995}{7551}\ \frac{}{444}$ $\frac{8450}{7995}\ \frac{}{455}$ $\frac{8894}{8450}\ \frac{}{444}$ 444 X 17.67 7845 Sq yd

Average Area 7863 Sq. Yd.

$7863 \times \frac{21.6}{3}$ = 56614 Cu. Yds.

$\frac{56614}{26}$ = 2177 Cu yd per Day Elapsed Time

$\frac{56614}{23.55}$ = 2404 Cu yds per Day Digging Time

Pond El 1994.2

Claims Dredged 12 Below on Sulphur-

Surface Area 1.63 Acres

Av. Width of Cut 215'

Av. Length 330'

70929 70605 70767

Thaw Write off

Block 45 - $\frac{689 \times 4}{3}$ = 971 Cu. Yds.

Strip Write off

x = 972 - 973 - 1/10 ℓ. = 9212 ✓

Dredge N°9 — April 1 1923

Started Apr. 28. 12 midnight

Dredge operated 2 days

Dug 45 hrs 35 min = 1.90 days = 94.96%

Lost 2 " " = 0.10 " = 5.04%

Avg Hgt Bank = 3.0 Ft.

" Depth = 17.0 "

Total " = 20.0 "

Surface — 8100 / 8061 / 39 ; 8139 / 8100 / 39 ; 39 × 17.67 = 689 Sq. Yds

Bedrock — 8187 / 8145 / 37 ; 8223 / 8187 / 41 ; 39 × 17.67 = 689 "

Avg Area = 689 "

689 × 20.0 / 3 = 4593 Cu. Yds

4593 / 2 = 2296 Cu. Yds. per day elapsed time

4593 / 1.90 = 2417 " " running "

Ford Elev ——

Claims dredged - 12 Bel Sulph.

Surface Area = 0.14

Avg width cut = 12 - Ft.

Length = 4 - "

689
9
6201

Thaw W/O

Block #45 - $\frac{8535 \times 26.0}{3}$ = 73970 Cu. Yds.
(26.0)

Strip W/O

X-Sec 12 - 13 - 1/3 Remainder = 6635 Cu. Yds

13 - 14 - 45 ✓ = 14580 ✓

14 - 15 - 45 ✓ = 14592 ✓

Total = 35807 ✓

Dredge #9 May 1953.

Dredge operated 31 days
dug 665 hrs 45 min = 28.57 days = 92.17 %
lost 58 hrs 15 min = 2.43 = 7.83 %
Avg. Hgt. Bank = 3.7 ft.
Depth = 18.6
Total = 22.3

Surface 3850 / 3387 / 463 — 4335 / 3870 / 481 — 4816 / 4335 / 481 — 483 × 17.67 = 8533 Cu. Yds.

Bedrock 1795 / 1340 / 455 — 6541 / 1795 / 4746 — 6695 / 6241 / 454 — 454 × 17.67 = 8039 — 16774 — Avg Area = 8787

8787 × 22.3 / 3 = 61600 Cu. Yds.

61600 / 31 = 1987 Cu. Yds per day elapsed time

61600 / 2657 = 23.6 — running

Pond Elev —
Claims dredged — 12 Bel Sulph.
Surface Area — 1.76
Avg width cut — 220 ft
Length — 3400 ft.

8533 / 9 = 76815 — 8039 / 9 = 72351 — 8787 / 9 = 79083

Thawing Write off

Block 44 - 285 × 270 × 26.0 / 27 = 18611 Cu Yds.

" 45 - 240 × 45 × 26.0 / 27 = 10400 "

Total = 29011

Stripping Write off

X-Z 512-513 - Remainder = 13270 Cu Yds

513-514 - 7/8 " = 19138 "

514-515 - 1/2 " = 10945 "

Total = 43353 "

Dredge #9 June 1953

Dredge operated 30 days
- dug 65 hrs 0 min = 27.29 days = 90.9%
- lost 6 - 0 - = 2.7 - = 9.0%
Avg Hgt Bank = 3.2 Ft.
- Depth = 20.0 -
Total - = 23.2 -

Surface
84.9 89.7 94.7
79.0 84.0 89.7
5.0 5.7 5.0

.509 x 17.67 = 8994 Sq. Yds.

Bedrock
99.8 00.0
94.3 99.8
5.5 .2

.509 x 17.67 = 8994

Avg Area = 8994

$\frac{8994 \times 23.2}{3} = 69554$ Cu. Yds

$\frac{69554}{30} = 2318$ Cu. Yds. per day elapsed time

$\frac{69554}{27.75} = 2509$ - - running -.

Pond Elev - 1996.0
Claims dredged - 12 Below Salph.
Surface Area - 1.86 Acres
Avg width cut - 250 Ft.
- Length - 300 -

8994
9
80946

Thaw Writeoff

Block 44	Remainder	= 48675	Cu Yds	
" 46	410 × 80 × 26.0 / 27	= 31584	"	
" 47	85 × 35 × 26.0 / 27	= 2864	"	
" 45	140 × 45 × 26.0 / 27	= 6066	"	
		Total 89190	"	

Stripping Writeoff

X = 513-514	-	Remainder - 2733	Cu Yds	
514-515		" - 10944	"	
515-516	1/2	" - 19561	"	
516-517	1/2	" 22942	"	
		Total 56180		

Dredge N° 9 July 1953

Dredge operated 31 days
" dug 675 hrs 0 min = 28.13 days = 90.73 %
" lost 69 " 0 " = 2.87 " = 9.27 %
Avg Hgt Bank = 4.1 FT
" Depth = 17.5 "
Total " = 21.6 " (3.0)

Surface 1338 0610 728 — 2062 1338 724 — 726 x 17.67 = 12828 Sq Yds

Bedrock 2760 2059 701 — ~~3474 2760 714~~ — 4180 3474 706 — 704 x 17.67 = 12440 Sq Yds
→ 12638

Avg Area = 12638 "

$12638 \times \frac{7.5}{3} = 90993$ Cu. Yds.

$\frac{90993}{31} = 2935$ Cu. Yds. per day elapsed time

$\frac{90993}{28.13} = 3235$ " " running "

Pond Elev - 2002.9
Claims Dredged - 11-12 Below Sulpher
Surface Area - 2.65 Acres.
Avg Width - 225 FT
" Length - 510 "

12828 × 9 = 115452
12440 × 9 = 111960
12638 × 9 = 113742

Thaw W/O

Block #45 - Remainder = 455.3 Cu.Yds.

" #47 - 380 x 285 x 26.0 / 27 = 10488 "

" #46 - 200 x 65 x 26.0 / 27 = 1218 "

Total = 16209 "

Strip W/O

x2 S15-S16 - Remainder = 1956 Cu Yds

S16-S17 " = 2294 "

S17-S18 1/2 " = 2463 "

S18-S19 1/2 " = 2974 "

Total 9444.0 "

Dredge #9 August 1953

Dredge operated 31 days
- dug 684 hrs 55 min = 28.54 days = 92.06 %
- lost 59 - 05 - = 2.46 - = 7.94 %
Avg Ht Bank = 2.7 Ft.
- Depth = 17.7 -
Total - = 20.4 - (3.1)

Surface - 0817 9716 1101 — 1908 0817 1091 — 1096 x 17.67 = 19366 Sq. Yds

Bedrock 1975 1904 1071 — 405 1975 1080 — 1076 x 17.67 = 19017 -

38378

Avg. Area = 19189

19189 x 20.4/3 = 130485 Cu Yds.

130485 / 31 = 4209 Cu. Yds. per day elapsed time

130485 / 28.54 = 4572 - - running -

Pond Elev - 1998.4
Claims dredged - 11 Bel Sulph.
Surface area - 4.00 Acres.
Avg. Width - 210 Ft.
- Length - 870

19366 / 9 = 174294 — 19017 / 9 = 171108 — 19189 / 9 = 172701

Thaw W/O

Block 46 – 1079 / 0306 = 773 ; 1849 / 1079 = 770 ; .89 ; 773 × 17.67 × 26.0 / 3 = 11827 Cu Yds.
26.0

Block 48 – 1095 / 1017 = 78 ; 1175 / 1095 = 80 ; .89 ; 79 × 17.67 × 25.0 / 3 = 11675
25.0

Total = 129847

Strip W/O

X-C 517 – 518 – Remainder = 4963 Cu Yds.

518 – 519 = 6974

519 – 520 1/3 = 1989

520 – 521 1/3 = 2059

521 – 522 1/9 = 7106

Total = 99274

Dredge No 9 September 1913

Dredge operated 30 days
dug 662 hrs 50 min = 27.62 days = 92.06 %
lost 57 - 10 - = 2.38 - = 7.94 %
Avg Ht + Bank = 5.0 ft.
Depth = 14.7 -
Total - = 19.7 -

(3.1)

Surface - 1687 / 1830 / 857 — 3547 / 2687 / 860 — 859 × 17.67 = 15178 Cu. Yds.

Bedrock - 4389 / 3540 / 849 — 5735 / 4389 / 846 — 848 × 17.67 = 14984 -

2 30162

Avg Area = 15081

15081 × 19.7 / 3 = 99032 Cu. Yds

99032 / 30 = 3301 Cu. Yds. per day elapsed time

99032 / 2762 = 3585 - running -

Pond Elev - 2001.9
Claims dredged - 9-11 Bel Sulph.
Surface Area - 3.14 Acres
Avg width - 220 ft.
Length - 640 -

15178 × 9 = 136602

14984 × 9 = 134856

15079 × 9 = 135711

Thaws Writeoff

Block 46 - Remainder = 30456 Cu. Yds.

" 47 - " = 6593 "

" 48 - $\frac{200 \times 35 \times 27.0}{27}$ = 6481 "

" 49 - $\frac{0667 \quad 0956}{0373 \quad 0667}$ $\frac{.89}{294 \quad 289}$ $\frac{29 \times 1767 \times 26.0}{3}$ = 44676 "

Total = 147576 "

Strip Writeoff

X519 - 520 - Remainder = 39578 Cu. Yds.

520 - 521 - " = 4185 "

521 - 522 - 1/4 " = 1421 "

522 - 523 - 1/5 " = 12993 "

Total = 107767 "

Dredge No 9 October 1943

Dredge operated 31 days - 30 for depth
- dug 639 hrs. 24 min = 26.64 days = 85.94 %
- lost 104 - 3 - = 4.36 - = 14.06 %
Avg. Ht Bank = 3.0 Ft. (3.0)
- Depth = 16.8 -
Total - = 19.8 -

Surface
4463 / 3524 = 938
4200 / 4463 = 937
938 x 17.67 = 16574 Cu. Yds.

Bedrock
6332 / 2405 = 927
7256 / 6332 = 926
927 x 17.67 = 16380 -
- 3294 -

Avg area = 16477 -

$$16477 \times \frac{6.6}{3} = 108748 \text{ Cu. Yds.}$$

$$\frac{108748}{31} = 3508 \text{ Cu. Yds per day elapsed time}$$

$$\frac{108748}{26.64} = 4082 \text{ - - running -}$$

Pond Elev - 1994
Claims dredged - 8A-9 Below Falls
Surface area - 3.42 Acres
Avg width cut - 200 Ft.
- Length - 780 -

16574 / 9 = 149166
16380 / 9 = 147420
16477 / 9 = 148293

Thaw Write off

Block 49 — 138 × 17.67 × 76.0 / 3 = 21138 Cu. Yds

Strip Write off

X2-521 - 522 — 127. Remainder = 5116 Cu. Yds.

522.173 — 17% — = 8834

Total = 13951

Dredge No. 9 — November 1953

Shut down Nov. 8. 8:00 AM.

Dredge operated 7 days

- dug 148 hrs 0 min = 6.17 days = 88.10 %
- lost 20 - 0 - = 0.83 - = 11.90 %

Avg Ht Bank = 4.4 Ft.
- Depth = 16.0 -
Total - = 20.4 -

(3.0)

Surface - $\frac{1114}{1977}$ $\frac{1114}{137}$ $\frac{1114}{138}$ 138 x 17.17 = 2438 Cu. Yds.

Bedrock - $\frac{376}{746}$ $\frac{509}{376}$ $\frac{376}{130}$ $\frac{376}{133}$ 132 x 17.17 = 2332 -

4770

Avg Area = 238 -

238 x $\frac{2.8}{3}$ = 166 Cu. Yds.

$\frac{166}{7}$ = 23.7 Cu. Yds. per day elapsed time

$\frac{166}{6.17}$ = 26.9 - - running -

Pond Elev —
Claims dredged — 8A-9 Below Sulph.
Surface Area — 0.50 Acres.
Avg Width — 200 Ft.
- Length — 80 -

$\frac{2438}{9}$ $\frac{2332}{9}$ $\frac{238}{9}$

2194 2098 214

Shaw Writeoff

Block 48 — $210 \times \frac{225 \times 25.0}{27} =$ 43750 Cu Yds

Block 49 — $210 \times \frac{110 \times 26.0}{27} =$ 22244 ✓

Total = 65994 ✓

5 Tripping Write Off

x" 521 - 522 — ½ Remainder = 18759 Cu Yds

522 - 523 — ½ ✓ = 21569 ✓

523 - 524 — ½ ✓ = 11124 ✓

Total = 51452

Dredge #9 — May 1974

Started Friday 1 - 9:00 AM

Dredge operated 31 days
- Avg 660 hrs. 20 min = 27.51 days = 88.7% ✓
- lost 83 - 40 - = 3.49 - = 11.2% ✓
- Avg Nat Bank = 4.3 ft.
- Depth = 17.1 - (3.0)
- Total - = 21.4 -

Surface

8635	9058
8210	8635
425	423

424 x 17.67 = 7492 Sq Yds

Bedrock

9482	9906
9052	9482
430	424

427 x 17.67 = 7545 Sq Yds

2 15037

Avg Area = 7518

2506

$\frac{7518 \times 21.4}{3} = 53628$ Cu. Yds.

$\frac{53628}{31} = 1730$ Cu. Yds. per day elapsed time

$\frac{53628}{27.51} = 1949$ - running -

Pond Elev - 2000.4
Claims dredged - 8A-9 Bel Sulph.
Surface area - 1.55 Acres
Avg width - 220 Ft.
Length - 300

7492	7545	7518
9	9	9
67428	67905	67662

Thaw Write-off

Block 48 - $\frac{150 + 280}{2} \times 280 \times 25.0$ = 55740 Cu Yds

" 50 - $\frac{280 + 120}{2} \times 240 \times 29.0$ = 63919 "

Total = 119659

Strip Write-off

X2 52-57 - Remainder = 18759 Cu. Yds.

52-53 - = 2170 "

53 x 54 - 1/3 " = 1841 "

54 - 55 - 1/3 " = 2793 "

57 - 56 - 1/9 " = 6170 "

Total = 86833 "

Dredge No. 9 June 1954

Dredge operated 30 days
Dug 658 hrs. 35 min. = 27.44 days = 91.4%
Lost 61 " = 2.56 " = 8.5%
Avg Ht Bank = 4.0 Ft.
" Depth = 15.1 "
Total " = 19.1 "

(J.T.)

Surface

6161	6859	7350
5458	6161	6850
703	689	700

702 x 17.67 = 12404 Sq Yds

Bedrock

8229	8895	9858
7548	8229	8895
681	666	687

684 x 17.67 = 12086
" 4490
Avg Area = 16576

16576 x 19.1/3 = 77960 Cu. Yds

77960/30 = 2599 Cu. Yds. per day elapsed time

77960/27.44 = 2841 " " running "

Pond Elev. - 2008.0
Claims dredged - 8-8A-9 Bel Jalph
Surface Area - 2.56 Acres
Avg Width - 208 Ft
" Length - 560 "

12404/9 = 11638
12086/9 = 10774
12345/9 = 11205

Thaw Write off

Block 48 - Remainder = 16696 Cu. Yds.

✓ 49 - ✓ = 4387 ✓

✓ 50 - $\frac{110 \times 100 \times 29.0}{27}$ = 11815 ✓

✓ 51 - $\frac{100 \times 380 \times 28.6}{27}$ = 40277 ✓

Total = 112638 ✓

Strip Write off

X2 53 - 54 - Remainder = 37083 Cu Yds

54 - 55 - ✓ = 4358 ✓

55 - 56 - Y6 ✓ = 827 ✓

Total = 8885 ✓

Dr #9 July 1914

Dredge operated 31 days
" dug 688 hrs. 0 min = 28.67 days = 92.47 %
" lost 56 " 0 " = 2.33 " = 7.53 %
Avg Hgt Bank = 25 ft.
" Depth = 22.2 "
Total " = 24.7 "

(3.9)

Surface

9458	0875	
8749	0163	711 × 17.67 = 12563 Sq. Yds.
709	712	

Bedrock

1587	2295	
0885	1587	705 × 17.67 = 12457
702	708	2520

Avg Area = 12510

$$\frac{12510 \times 24.7}{3} = 102999 \text{ Cu. Yds.}$$

$$\frac{102999}{31} = 3323 \text{ Cu. Yds per day elapsed time}$$

$$\frac{102999}{28.67} = 3593 \text{ " " running "}$$

Pond Elev - 2008.5
Claims dredged - 8. 8A Below
Surface Area - 2.60 Acres.
Avg width - 200 Ft.
" Length - 550 "

12563	12457	12510
9	9	9
113067	112113	112590

Thaw Write-off

Block 1 — 450 × 20 × 28.6 / 27 = 9771.7 Cu. Yds

2 — 50 — 160 × 20 × 29.0 / 27 = 3520 —

13947

Stripping Write-off

X² 1-2-1-6 — 3/4 Remainder = 3085 Cu. Yds.

2 1-6-1-7 — 2/3 " = 3520 "

3 1-7-1-8 — 1/3 " = 1680 "

Total = 8319 "

Dredge № 9 August 1954

Dredge operated 31 days
" dug 690 hrs. 46 min = 28.78 days = 92.83 %
" lost 3 " 20 " = 2.22 " = 7.17 %
Avg Hgt Bank = 4.6 Ft.
" Depth = 20.7 "
Total " = 25.3 "

(3.8)

Surface - 3240 / 2435 / 807 ; 4049 / 3242 / 807 ; 807 x 17.67 = 14260 Sq. Yds.

Bedrock - 4832 / 4036 / 796 ; 5623 / 4832 / 791 ; 794 x 17.67 = 14030 "

14260 / 28290

Avg Area = 14145

7145 / 14145 x 25.3 / 3 = 119290 Cu Yds

119290 / 31 = 3848 Cu. Yds. per day elapsed time

119290 / 28.78 = 4145 " " running "

Road Elev — 2005.1
Claims dredged - 8 Below Sulph.
Surface Area — 2.94 Acres.
Avg width - 200 Ft.
" Length - 600 "

14260 / 9 = 18340
14030 / 9 = 12270
14145 / 9 = 17305

Thaw W/O

Block #50 - Remainder (14668) - $22 \times \frac{19333}{27} \times 80 \times 29.0$ = 1273 C.Y.

Strip W/O

X-25-26 - Remainder	=	10284 Cu Yds.
26-27 " "	=	17761 "
27-28 " "	=	13456 "
28-29 " "	=	18140 "
29-30 " "	=	9012 "
	Total =	6863

Dredge No: 9 — Sept 1974

Dredge operated 30 days
" dug 629 hrs 10 min = 26.22 days = 87.38%
" lost 90 " 30 " = 3.78 " = 12.62%
Avg Hgt Bank = 8.0 Ft.
" Depth = 13.8 "
Total " = 21.8 "

(57)

Surface — 6697 / 6097 = 890 ; 7368 / 6692 = 676 ; 8046 / 7368 = 678

Bedrock — 8709 / 8036 = 673 ; 9376 / 8709 = 667

677 × 17.67 = 11963 Sq. Yds.

670 × 17.67 = 11839 "

2 | 23802

Avg. Area = 11901 "

3967 / Hydt × 21.8 / 3 = 86481 Cu. Yds.

86481 / 30 = 2883 Cu. Yds. per day elapsed time

86481 / 2622 = 3298 " " running "

Pond Elev — 2011.0
Claims dredged — 6 Bel. Tulph.
Surface Area — 2.47 Acres
Avg. Width — 200 Ft.
" Length — 540 "

11963 × 9 = 107667
11839 × 9 = 106551
11901 × 9 = 107109

Thaw W/O

Block #30 – 205 × 65 × 29.0 / 27 = 14312 Cu. Yds.

" #31 – 200 × 390 × 28.6 / 27 = 8622 "

Total = 96934 "

Stripping W/O

#30 #37 – #28 – Remainder = 20184 Cu. Yds.

#28 – #25 – " = 2922 "

#25 – #30 – 1/3 " = 12016 "

Total = 59412 "

Dredge № 9 October 19--

Dredge operated 31 days
- dug 675 hrs. 55 min = 28.16 days = 90.8% ?
- lost 68 - 05 - = 284 - = 9.1- ?
Avg Act. Bank = 2.9 Ft.
- Depth = 20.5- -
Total - = 23.4 -

(3.1)

Surface	6910 / 6310 = 600	7508 / 6910 = 598	599 × 17.67	= 10584 Cu. Yds.
Bedrock	8120 / 7526 = 594	8717 / 8120 = 597	596 × 17.67	= 10531 -
				= (21115-)

Avg. Area = 10558

$$\frac{10558 \times 23.4}{3} = 82355 \text{ Cu. Yds.}$$

$$\frac{82355}{31} = 2659 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{82355}{28.16} = 2924 \text{ - - running -}$$

Pond Elev - 2010.8
Claims dredged - 7A-8 Bel Sulph
Surface Area - 2.19 Acres.
Avg. Width - 200 Ft.
- Length - 460 -

10584 / 9 = 95256	10531 / 9 = 94779	10558 / 9 = 95022

Dredge #1-9 — Nov 1954

Shut down Nov 10 - 2 pm.

Dredge operated 9 days.

dug 197 hrs. 35 min = 8.23 days = 91.47 %

Pool 18 ac-ft = 0.77 = 8.37 %

Avg dpt Bank = 3.3 Ft.

Depth = 21.0

Total = 24.3

(3)

Surface $\frac{3441}{3237} \quad \frac{3651}{3441}$ $\quad \frac{209}{210}$ $\times 10 \times 17.67$ = 3711 Sq. Yds.

Bedrock $\frac{3856}{3654} \quad \frac{4073}{3856}$ $\quad \frac{200}{197}$ $\times 100 \times 17.67$ = 3534

9241

Avg Area = 3623

$3623 \times \frac{8.1}{3} = 29346$ Cu. Yds.

$\frac{29346}{9} = 3260$ Cu. Yds. per day elapsed time

$\frac{29346}{8.23} = 3566$ running

Thaw W/O

Block #1 - Remainder = 40613 Cu. Yds.

#3 - $\frac{220 \times 100 \times 27}{27}$ = 22000

Total = 62613

Strip W/O

#2 #29 - #30 - W/U Remainder = 6008 Cu. Yds.

#30 - #31 - 267 = 11153

Total = 17161

Pond Elev - 2012.4

Claims dredged - 7A-8 Bel Sulph.

Surface Area - 0.77 Acres

Avg Width - 200 Ft

Length - 174

$\frac{3711}{9}$ $\quad \frac{3534}{9}$ $\quad \frac{3623}{9}$

33399 $\quad$ 31806 $\quad$ 32607

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