

DR. N^o 8

Dredge No 8



"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

25 Buckets (Horn)

Dredge No. 8. May 1938

Dredge started May 28th 3:40 p.m.

✓ operated 3.64 days

✓ dug 74 hrs. 45 min = 3.11 days = 85.59%

✓ lost 12 - 35 - = .53 - = 14.41%

Avg. Total Depth = 19.7 Feet.

Nominal number of Cu. Yds dug = 5000

= 1374 Cu. Yds. per day elapsed time

= 1608 - - - running -

Note Above 5000 cu. yds. was dug reaching bedrock.

[Signature]

1' = 10' Vert
1' = 100' Hor } Fac = 16.26 Sq Ft

Stripping Writeoff

Line 324 $\frac{8742}{8733} \frac{8750}{8742}$ $9 \times 16.26 = 146 \text{ Sq Ft}$

Line 325 $\frac{7693}{7664} \frac{7723}{7693}$ $30 \times 16.26 = 488 \text{ Sq Ft}$

$\frac{1634}{317}$

Thawing Writeoff

Block 1 $\frac{4702}{4183} \frac{4720}{4702}$ $19 \times 16.26 = 3088 \text{ Sq Ft} \times \frac{72.8}{27} = 2608 \text{ Cu Yds}$

Block 2 ~ Surface area of Dr. Cut less Area of Block 1 = $50756 - 3088$
= 47168 Sq. Ft.

$\frac{47168 \times 73.3}{27} = 40704 \text{ Cu Yds}$

Note - The artificial Thaw in Block 2 to be written off in July
The 40704 Cu Yds in June includes natural Thaw - Thawing
progress map showing natural Thaw on Sulphur.

$1'' = 100'$

Factor = 18.07

$$= 59.4 \text{ d/s}$$

Vernier at 34

DREDGE N^o 8

JUNE 1938

Dredge operated 30 days

✓ dug 659 hrs 20 min = 27.47 days = 91.57%

✓ lost 60 - 40 = 2.53 = 8.43%

Avg. Hgt of Bank = 1.7 Feet

Depth = 23.9

Total Depth = 25.6 ✓

Surface

3428	3734
3117	3428
311	306

$$309 \times 18.07 = 5584 \text{ Sq.Yds}$$

Bedrock =

3997	4275
<u>3720</u>	<u>3997</u>
277	278

$$278 \times 18.07 = 5023 \quad \checkmark \checkmark$$
$$2 \overline{) 10607}$$

Av. Area = 5304 Sq. Yds

1768

$$\frac{1768}{\cancel{5304} \times 25.6} = 4521 \text{ Cu.Yds}$$

- 5000 ✓ ✓ credited in April

 ~~$= 40261 \text{ Cu. Yds.}$~~
$$\frac{45241}{30} = 1509 \text{ Cu. Yds per day elapsed time.}$$

$\frac{45261}{27.47} = 1648$ ✓ ✓ ✓ ✓ running time

Stripping Writcraft

Between Lines 323 + 324 - $146 \times 20 = 2920 \text{ Cu. Ft.} = 108 \text{ Cu. Yds}$

$$325 + 326 - 488 \times \sqrt{5} = 26840 \quad \quad = 993$$

Total = 2274 Cu.Yds.

Thawing Writeoff

Block 1 - 2608 C4 Xds

Note: Above ^{Dredge} yardage from time of reaching Bedrock
This figure to be used for valuation check. Previous
5000 cu yds. To be neglected. DPL

1" = 10' Vert } Fac = 16.26 = sqft.
 " 100' Hory

Stripping Write off

Line 323 $\begin{array}{r} 8964 \\ 8885 \\ \hline 79 \end{array}$ $\begin{array}{r} 9043 \\ 8964 \\ \hline 79 \end{array}$ $\begin{array}{r} 9122 \\ 9043 \\ \hline 79 \end{array}$ = $79 \times 16.26 = 1285 \text{ sqft.}$

Line 324 $\begin{array}{r} 8392 \\ 8341 \\ \hline 51 \end{array}$ $\begin{array}{r} 8390 \\ 8341 \\ \hline 49 \end{array}$ $\begin{array}{r} 8468 \\ 8418 \\ \hline 50 \end{array}$ = $50 \times 16.26 = 813$ $\leq 146 = 667$
 15 Area in June.

Line 325 $\begin{array}{r} 8551 \\ 8541 \\ \hline 10 \end{array}$ $\begin{array}{r} 8560 \\ 8551 \\ \hline 9 \end{array}$ $\begin{array}{r} 8568 \\ 8560 \\ \hline 8 \end{array}$ = $9 \times 16.26 = 146$

Between 322 - 23 = $1285 \times 40 = 51,400 \text{ cuft} \div 27 = 1904 \text{ Cu Yds.}$

323 - 24 $1049 \times 100 = 104,900 \text{ cuft} \div 27 = 3,885 \text{ Cu Yds}$

324 - 25 $406 \times 100 = 40,600 \text{ cuft} \div 27 = 1,504 \text{ Cu Yds.}$

STRIPPING - Total Write-off. 7,293 Cu Yds

1" = 100'

Fac 162.6 = sqft.

Thawing Write off

Block # 2 $\begin{array}{r} 8227 \\ 8064 \\ \hline 163 \end{array}$ $\begin{array}{r} 8394 \\ 8227 \\ \hline 167 \end{array}$ $\begin{array}{r} 8554 \\ 8394 \\ \hline 160 \end{array}$ $\begin{array}{r} 8718 \\ 8554 \\ \hline 164 \end{array}$ = $165 \times 162.6 = 26829 \text{ sqft} \times \frac{23.3}{27} = 23152 \text{ cu.yds.}$

Block # 1 $\begin{array}{r} 7306 \\ 7187 \\ \hline 119 \end{array}$ $\begin{array}{r} 7423 \\ 7306 \\ \hline 117 \end{array}$ $\begin{array}{r} 7538 \\ 7423 \\ \hline 115 \end{array}$ = $116 \times 162.6 = 18862 \text{ sqft.} \times \frac{22.8}{27} = 15928 \text{ cu.yds.}$

Block # 3 $\begin{array}{r} 7555 \\ 7538 \\ \hline 17 \end{array}$ $\begin{array}{r} 7574 \\ 7555 \\ \hline 19 \end{array}$ $\begin{array}{r} 7592 \\ 7574 \\ \hline 18 \end{array}$ = $18 \times 162.6 = 2927 \text{ sqft.} \times \frac{21.5}{27} = 2331 \text{ cu.yds.}$

Block # 4 $\begin{array}{r} 7680 \\ 7592 \\ \hline 38 \end{array}$ $\begin{array}{r} 7668 \\ 7630 \\ \hline 38 \end{array}$ $\begin{array}{r} 7707 \\ 7668 \\ \hline 39 \end{array}$ = $38 \times 162.6 = 6179 \text{ sqft.} \times \frac{22.1}{27} = 5058 \text{ cu.yds.}$

Block # 1 : $18862 \text{ sqft.} - 3088 \text{ sqft.} = 15774 \text{ sqft.}$
 $15928 \text{ cu.yds.} - 2608 \text{ cu.yds.} = 13320 \text{ cu.yds.}$

Block # 2 : $53550 \text{ sqft.} - 26829 \text{ sqft.} = 26721 \text{ sqft.}$
 $46200 \text{ cu.yds.} - 23152 \text{ cu.yds.} = 23048 \text{ cu.yds.}$

Block # 3 : 2331 cu.yds.

Block # 4 : 5058 cu.yds

Total cu. yds = 43757

1" = 100'

Factor = 18.07

= Sq. yds.

Vernier at 34

DREDGE No 8

Pond elev. 1856.8

JULY 1938

Dredge operated 31 days ✓

dug 695 hrs. 15 min. = 28.97 days = 93.45% ✓
lost 48 hrs. 45 min. 2.03 ✓ = 6.55%

Avg. Hgt of bank = 5.8 Feet ✓

Avg. Depth = 21.4 ✓

Total depth. 27.2 Feet ✓

Surface

$\begin{array}{r} 7342 \\ 6852 \\ \hline 490 \end{array}$ $\begin{array}{r} 7832 \\ 7342 \\ \hline 490 \end{array}$ $\begin{array}{r} 8326 \\ 7832 \\ \hline 494 \end{array}$ = $491 \times 18.07 = 8872$ Sq yds ✓

Bedrock

$\begin{array}{r} 9283 \\ 8819 \\ \hline 464 \end{array}$ $\begin{array}{r} 0669 \\ 0206 \\ \hline 463 \end{array}$ $\begin{array}{r} 1139 \\ 0669 \\ \hline 470 \end{array}$ = 466×18.07 $\begin{array}{r} 8421 \\ 217293 \end{array}$ ✓ ✓

Avg. Area: 8647 Sq. yds ✓

$8647 \times 27.2 / 3 = 78399$ cu. yds. ✓

$\frac{78399}{31} = 2529$ cu. yds per day elapsed time ✓

$\frac{78399}{28.97} = 2706$ cu. yds per day running time ✓

stripping writeoff

Between Lines 322 - 323 = $1285 \times \frac{40}{27} = 1904$ cu. yds.

✓ 323 - 324 = $1049 \times \frac{100}{27} = 3885$ cu. yds.

✓ 324 - 325 = $406 \times \frac{100}{27} = 1504$ cu. yds.

Total stripping writeoff 7293 cu. yds.

Thawing writeoff

Block # 1 $18862 \text{ sq. ft.} - 3088 \text{ sq. ft.} = 15744 \text{ sq. ft.}$ $\frac{15744 \text{ sq. ft.} \times 21.5}{27} = 13320$ cu. yds.

Block # 2 $53550 \text{ sq. ft.} - 26829 \text{ sq. ft.} = 26721 \text{ sq. ft.}$ $\frac{26721 \text{ sq. ft.} \times 21.5}{27} = 23048$ ✓

Block # 3 = $2927 \text{ sq. ft.} \times \frac{21.5}{27} = 2331$ ✓

Block # 4 = $6179 \text{ sq. ft.} \times \frac{21.5}{27} = 5058$ ✓

Total thawing writeoff 43757 cu. yds.

Note 2712 cu. yds added to Block 1 & subtracted from Block 2 to agree with inventory error Total write off for month does not change

Dec-2-1938

stripping writeoff

Line # 325 =	$\frac{5957}{5936}$	$\frac{5979}{5957}$	$\frac{6006}{5979}$	$\frac{6994}{6976}$	$\frac{7018}{6994}$	= 22 X 16.26 = 358 sq ft.
Remainder	21	22	27	18	24	
✓ # 324 =	$\frac{6799}{6801}$	$\frac{6802}{6800}$	$\frac{6805}{6802}$	$\frac{6810}{6805}$		= 3 X 16.26 = 49
Remainder	2	2	3	5		
✓ # 323 =	$\frac{2037}{1810}$	$\frac{2262}{2037}$	$\frac{2485}{2262}$			= 225 X 16.26 = 3658
	227	225	223			
✓ # 322 =	$\frac{3040}{2815}$	$\frac{3265}{3040}$	$\frac{3490}{3265}$			= 225 X 16.26 = 3658
	225	225	225			

Between lines

321 - 322 =	3658 X 65/27 =	8806 cu yds.
322 - 323 =	3658 X 100/27 =	13535 cu. yds
323 - 324 =	4252 X 100/27 =	15732 cu yds.
324 - 325 =	See Below =	17,152 ✓
325 - 326 =	" " =	3,941 ✓

Total 59,166 cu. yds.

324 - 325	Inventory	16466 + 4118 Cu Yds =	20,584 Cu. Yds.
	Already Written off	1173 + 1504 Cu Yds =	2677 Cu. Yds.
	On Hand Aug 1 st 1938		17,907 Cu. Yds.
	Remainder to be written off	$209 \times \frac{100}{27}$	755 Cu Yds.
	Write off for August 1938		17,152 Cu. Yds.
325 - 326	Inventory	3580 + 2017 Cu Yds =	5597 Cu Yds
	Already Written Off	993 =	993 Cu Yds
	On Hand Aug 1 st 1938		4604 Cu Yds
	Remainder to be written off	$179 \times \frac{100}{27}$	663 Cu Yds
	Write off for August 1938		3,941 Cu Yds.

Line 324 =	$\frac{9999}{9603}$	$\frac{0198}{9899}$	$\frac{0498}{0198}$	= 298 X 16.26 = 4845
	296	299	300	

Thawing Writeoff

Block # 1	$\frac{8060}{7508}$	$\frac{8618}{8060}$	$\frac{9177}{8618}$	= 556 X 162.6 = 90406 sq ft.
	552	558	559	
Block # 3	$\frac{9803}{9630}$	$\frac{9973}{9803}$	$\frac{0145}{9973}$	= 172 X 162.6 = 27,967 ✓
	173	170	172	

Block # 1

$$90406 \times \frac{22.8}{27} = 76,342 \text{ cu. yds.}$$

Block # 3

$$27,967 \times \frac{23.3}{27} = 24,134$$

Total. 100,476 cu. yds

1" = 100'
Factor 18.07
= sq yds
Vernier at 34

DREDGE No 8
Dredge operated 31 days
dug 683 Hrs. 20 min. = 28.47 days = 91.85%
lost 60 Hrs 40 min. = 2.53 days. = 8.15%

Average Hgt of bank = 2.7 feet
depth = 20.0 ✓
Total depth 22.7 ✓

Surface:

9255	9967	0689	1409
8540	9255	9967	0689
715	712	722	720

= 717 X 18.07 = 12,956 Sq Yds

Bedrock:

2045	2707	3367
1388	2045	2707
657	662	660

= 660 X 18.07 = 11,926 Sq Yds

2 | 29882
Avg Area 12441 Sq Yds

$12,441 \times \frac{22.7}{3} = 94,137$ Cu Yds.

$\frac{94,137}{31} = 3037$ Cu Yds per day Elapsed Time.

$\frac{94,137}{28.47} = 3307$ Cu Yds " " Running Time.

Sept. 1938

Thawing Write off

Block # 1 Remainder = 4464 sq.ft. = 3622 cu.yds.

Block # 3 $\begin{array}{r} 9607 \\ 9300 \\ \hline 307 \end{array}$ $\begin{array}{r} 9914 \\ 9607 \\ \hline 307 \end{array}$ $\begin{array}{r} 0224 \\ 0414 \\ \hline 310 \end{array}$ = 308 X 162.6 = 50081 sq.ft.

Block # 4 $\begin{array}{r} 1540 \\ 1115 \\ \hline 425 \end{array}$ $\begin{array}{r} 1960 \\ 1540 \\ \hline 420 \end{array}$ $\begin{array}{r} 2390 \\ 1960 \\ \hline 430 \end{array}$ = 425 X 162.6 = 69105 sq.ft.

3 = 50081 X $\frac{21.5}{27}$ = 39879 cu.yds.

4 = 69105 X $\frac{22.1}{27}$ = 56564 cu.yds.

Total 100,065 Cu Yds.

Stripping Write off

Line # 323 $\begin{array}{r} 3785 \\ 3782 \\ \hline 3 \end{array}$ $\begin{array}{r} 3797 \\ 3785 \\ \hline 7 \end{array}$ $\begin{array}{r} 3797 \\ 3797 \\ \hline 5 \end{array}$ = 5 X 16.26 = 81 sq.ft.

Line # 322 $\begin{array}{r} 5096 \\ 4951 \\ \hline 145 \end{array}$ $\begin{array}{r} 5236 \\ 5096 \\ \hline 140 \end{array}$ $\begin{array}{r} 5371 \\ 5236 \\ \hline 135 \end{array}$ = 140 X 16.26 = 2276 ✓

Line # 321 $\begin{array}{r} 5249 \\ 5129 \\ \hline 120 \end{array}$ $\begin{array}{r} 5365 \\ 5249 \\ \hline 116 \end{array}$ $\begin{array}{r} 5480 \\ 5365 \\ \hline 115 \end{array}$ $\begin{array}{r} 5596 \\ 5480 \\ \hline 116 \end{array}$ = 116 X 16.26 = 1886 ✓

REMAINDER - Between lines 324 - 323 $\frac{49+81}{2} \times \frac{100}{27} = 241$ cu.yds

323 - 322 $\frac{81+2276}{2} \times \frac{100}{27} = 4362$ ✓

322 - 321 $\frac{2276+1886}{2} \times \frac{100}{27} = 7700$ ✓

324-323	Total Yardage	= 21076 Cu Yds
	Write-off to Sept 1 st	= 19725 " "
	On Hand Sept 1 st	1351 " "
	Remainder	241 " "
	September Write-off	1110 " "

323-322	Total Yardage	29806 Cu Yds
	Write-off to Sept 1 st	15439 " "
	On Hand " "	14,367 " "
	Remainder	4,362 " "
	Sept. Write-off	10,005

322-321	Total Yardage	35,924 Cu Yds.
	Write-off to Sept 1 st	8806 " "
	On Hand " "	27,118 " "
	Remainder	7,700 " "
	Sept Write-off	19,418 " "

Stripping Write-off Total 30,533 Cu Yds.

1" = 100'

Factor 18.07

= sq. yds.

Vernier at 34

DREDGE No 8

SEPTEMBER 1938

DREDGE operated 30 days.

dug 662 Hrs. 05 min. 27.59 days - 91.96%
lost 57 Hrs. 55 min. 2.41 days - 8.04%

Average Hgt of bank = 2.5 Feet

depth 20.0

Total depth. 22.5

SURFACE: $\frac{5256}{4442} \frac{6896}{6087} \frac{7708}{6896} = 811 \times 18.07 = 14655 \text{ sq. yds}$

BEDROCK

$\frac{8492}{7694} \frac{9292}{8492} \frac{0098}{9292} = 801 \times 18.07 = 14474$

2 | 29129

Avg Area = 14565

$14565 \text{ sq yds} \times \frac{22.5}{3} = 109238 \text{ cu. yds.}$

$\frac{109238 \text{ cu. yds.}}{30}$

= 3641 cu yds per day: elapsed time

$\frac{109238}{27.59}$

= 3959 - - - Running time

Chkd
JL

Thawing Writeoff

$$\text{Block \# 31} \quad \begin{array}{r} 5640 \\ 5457 \\ \hline 183 \end{array} \quad \begin{array}{r} 5826 \\ 5640 \\ \hline 186 \end{array} \quad \begin{array}{r} 6006 \\ 5826 \\ \hline 180 \end{array} = 183 \times 162.6 = 29756 \text{ sq. ft.}$$

$$\text{Block \# 51} \quad \begin{array}{r} 6134 \\ 6006 \\ \hline 128 \end{array} \quad \begin{array}{r} 6259 \\ 6134 \\ \hline 125 \end{array} \quad \begin{array}{r} 6384 \\ 6259 \\ \hline 125 \end{array} = 125 \times 162.6 = 20325 \text{ "}$$

$$\text{Block \# 61B} \quad \begin{array}{r} 6516 \\ 6250 \\ \hline 266 \end{array} \quad \begin{array}{r} 8388 \\ 8071 \\ \hline 268 \end{array} \quad \begin{array}{r} 8600 \\ 8338 \\ \hline 262 \end{array} = 265 \times 162.6 = 43089 \text{ "}$$

$$\text{Block \# 41B} \quad \text{Remainder} = 40841 \text{ "}$$

$$\text{Block \# 31} \quad 29756 \times \frac{26.5}{27} + 16241^{\text{HGVW}} = 45446 \text{ Cu Yds.}$$

$$\text{" \# 41B} = 61191 \text{ Cu Yds}$$

$$\text{" \# 51} \quad 20325 \times \frac{26.4}{27} = 19873 \text{ "}$$

$$\text{" \# 61B} \quad 43089 \times \frac{28.9}{27} = 44685 \text{ "}$$

$$\text{Total} \quad 171,195 \text{ Cu Yds}$$

Stripping Writeoff

$$\text{LINE \# 318} \quad 0$$

$$\text{" 319} \quad \begin{array}{r} 7832 \\ 7539 \\ \hline 302 \end{array} \quad \begin{array}{r} 8141 \\ 7832 \\ \hline 309 \end{array} \quad \begin{array}{r} 8448 \\ 8141 \\ \hline 307 \end{array} = 308 \times 16.26 = 5008 \text{ sq. ft.}$$

$$\text{" 320} \quad \begin{array}{r} 9510 \\ 9267 \\ \hline 243 \end{array} \quad \begin{array}{r} 9750 \\ 9510 \\ \hline 240 \end{array} = 242 \times 16.26 = 3935 \text{ "}$$

$$\text{" 321} \quad \begin{array}{r} 9499 \\ 9364 \\ \hline 135 \end{array} \quad \begin{array}{r} 9636 \\ 9499 \\ \hline 137 \end{array} = 136 \times 16.26 = 2211 \text{ "}$$

Between Lines

$$318-319 = 2504 \times \frac{100}{27} = 9274 \text{ cu. yds.}$$

$$319-320 = 4472 \times \frac{100}{27} = 16563 \text{ "}$$

$$320-321 = 3073 \times \frac{100}{27} = 11381 \text{ "}$$

$$\text{Total} \quad 37,218 \text{ "}$$

$$1" = 100$$

Factor 18.07

= Sq yds

Vernier at 39

DREDGE NO 8

October 1938

Dredge operated 31 days

" dug 701 hrs. 25 min. = 29.23 days = 94.28%

" lost 42 " 35 " = 1.77 " = 5.72%

Avg hgt of bank = 3.0 Feet

" Depth = 20.4

Total Depth = 23.4 Feet

Surface: $\frac{9158}{843} \frac{0001}{843}$

$$= 843 \times 18.07 = 15233 \text{ sq yds}$$

Bedrock: $\frac{0803}{813} \frac{1615}{812}$

$$= 812 \times 18.07 = 14673 \text{ " "}$$

2) 29906

$$\text{Avg. Area} = 14953 \text{ sq. yds}$$

$$14953 \times \frac{23.4}{3} = 116,633 \text{ Total cu. yds.}$$

$$\frac{116633}{31} = 3762 \text{ cu. yds. per day - Elapsed Time}$$

$$\frac{116633}{29.23} = 3990 \text{ Cu. yds. " " - Running Time}$$

J.P.S. ^{Nov.} Oct-2-38
Checked GGF

1" = 10' Vert
 1" = 100' Hor.
 Factor = 16.26
 = 54 ft.

Dredge No 8

November 1938

Stripping Writeoff

Line 319	$\frac{6322}{20}$	$\frac{6341}{19}$	=	20×16.26	=	325	Sq ft.
- 320	$\frac{6912}{23}$	$\frac{6935}{23}$	=	23×16.26	=	374	" "
✓ 321	$\frac{7185}{21}$	$\frac{7228}{22}$	=	21×16.26	=	341	" "

Between 318-319 $325 \times \frac{40}{27} = 481$ Cu Yds

- 319-320 $350 \times \frac{100}{27} = 1296$ " "

- 320-321 $357 \times \frac{100}{27} = 1322$ " "

Total = 3099 Cu Yds.

THAWING WRITEOFF.

BLOCK #3 $\frac{8764}{37}$ $\frac{8795}{36}$ $\frac{9205}{36} = 36 \times 162.6 = 5854$ Sq ft.

BLOCK #5 $\frac{8911}{11}$ $\frac{8923}{12}$ $= 12 \times 162.6 = 1951$ Sq ft.

BLOCK #3 = $5854 \times \frac{26.5}{27} = 5746$ Cu Yds.

BLOCK #5 = $1951 \times \frac{26.4}{27} = 1908$ Cu Yds.

Total 7,654 Cu Yds

1" = 100'

DREDGE No 8

November 1938

Factor 18.07

= Sq yds

Vernier at 34

Dredge operated. 4.33 days

" dug, 89 hrs 20 min = 3.72 days = 85.9%

" lost, 14 " 40 " = 0.61 " = 14.1%

Avg. hgt of Bank 3

" Depth 20

Total Depth. 23

Surface: $\begin{array}{r} 2970 \quad 3028 \\ 2921 \quad 2970 \\ \hline 49 \quad 48 \end{array}$

= 48 x 18.07 = 867 Sq yds.

Bedrock: $\begin{array}{r} 3100 \quad 3151 \quad 3201 \\ 3052 \quad 3100 \quad 3151 \\ \hline 48 \quad 51 \quad 50 \end{array}$

= 50 x 18.07 = 903 " "

2) 1770

Avg. Area 885 Sq. yds

$885 \times \frac{23}{3} = 6785$ Total Cu. yds.

$\frac{6785}{4.33} = 1567$ Cu. yds per day - Elapsed Time

$\frac{6785}{3.72} = 1824$ Cu. yds. " " - Running Time

Thawing Writeoff

Block #3 remainder = 39978 sq ft = 39238 cu yds.

Block #5 $\frac{9359}{531} \frac{9887}{528} \frac{0422}{535} = 531 \times 162.6 = 86341 \text{ sq ft} \times \frac{26.4}{27} = 84422$
 TOTAL 123,660

Stripping Writeoff

Line #316

0

$2724 \times \frac{100}{27} = 10089 \text{ cu yds.}$

#317 $\frac{1430}{1094} \frac{1765}{1430}$
 336 335

$= 335 \times 16.26 = 5447$

$= 4992 \times \frac{100}{27} = 18489$

#318 $\frac{2448}{2169} \frac{3000}{2721}$
 279 279

$= 279 \times 16.26 = 4537$

$= 4707 \times \frac{100}{27} = 17433$

#319 $\frac{3439}{3138} \frac{3738}{3439}$
 301 300

$= 300 \times 16.26 = 4878$

15770

#320 Remainder on L.L.

#321

TOTAL 16698
 78479 cu yds.

1" = 100'

Fac. 18.07

= sq. yds.

Vernier at 34

DREDGE operated 29 days ✓

✓ dug 656 Hrs. 20 min = 27.35 days · 94.3% ✓

lost 39 ✓ + 40 ✓ = 1.65 ✓ = 5.7% ✓

Avg. Hgt of Bank = 3.4' ✓

✓ Depth = 18.7' ✓

Total Depth 22.1 Ft. ✓

SURFACE :

3507	4227	4948	7843
2778	3507	4227	7123
729	720	721	720

= 720 x 18.07 = 13010 sq. yds.

BEDROCK :

8501	9184	9867	0556	1240
7812	8501	9184	9867	0556
689	683	683	689	684

= 686 x 18.07 = 12396 ✓

2 | 25406 ✓

Avg. Area = 12703 ✓

12703 x 22.1 / 3 = 93578 cu. yds. Total.

$$\frac{93578}{29} = 3227 \text{ cu. yds per day elapsed time}$$

$$\frac{93578}{27.35} = 3421 \text{ cu. yds. per day running time}$$
Pond Elev June 1st = 1851.5' ✓

Claims dredged - 50 Below Sulphur ✓

Surface area = 2.69 acres. ✓

Avg Width of cut = 250 Feet. ✓

Length = 510 ✓

THAWING WRITE-OFF

Unit # 5

REMAINDER:

51259 sq ft

50120 Cu Yds

Unit # 618 $\begin{array}{r} 5547 \\ 5229 \\ \hline 323 \end{array}$ $\begin{array}{r} 5868 \\ 5547 \\ \hline 321 \end{array}$ $\begin{array}{r} 6189 \\ 5868 \\ \hline 321 \end{array}$ = $322 \times 162.6 = 52,357$ sq ft $\times \frac{28.0}{27} = 54,296$ Cu Yds

Unit # 81 $\begin{array}{r} 6257 \\ 6109 \\ \hline 68 \end{array}$ $\begin{array}{r} 6324 \\ 6257 \\ \hline 67 \end{array}$ $\begin{array}{r} 6391 \\ 6324 \\ \hline 67 \end{array}$ = $67 \times 162.6 = 10,894$ sq ft $\times \frac{24.6}{27} = 9,926$ Cu Yds
Total 114,392

STRIPPING WRITE-OFF

Xⁿ Line 316

(80' width)

317 $\begin{array}{r} 8127 \\ 7913 \\ \hline 214 \end{array}$ $\begin{array}{r} 8338 \\ 8127 \\ \hline 211 \end{array}$ $\begin{array}{r} 8550 \\ 8338 \\ \hline 212 \end{array}$ = 212

318 $\begin{array}{r} 9082 \\ 8851 \\ \hline 228 \end{array}$ $\begin{array}{r} 9306 \\ 9082 \\ \hline 224 \end{array}$ $\begin{array}{r} 9533 \\ 9306 \\ \hline 227 \end{array}$ = 226

319

0

170 $\times 60.22 = 10,237$ Cu Yds

218 $\times " = 13,128$ " "

113 $\times " = 6,805$ " "

Total 30,170 Cu Yds

231574
108649

1" = 100'

DREDGE #8

June - 1939

Fac - 1807

= 59 Yds

DREDGE OPERATED.

30 days. ✓

Vernier 2390

"

DUG

672 hrs 40 min

= 28.03 days = 93.43 %

"

LOST.

47 hrs 20 min.

= 1.97 days = 6.57 %

AVG - Height of BANK = 3.9' ✓

" DEPTH = 19.8' ✓

TOTAL DEPTH = 23.7' ✓

SURFACE $\begin{array}{r} 0113 \\ 9390 \\ \hline 723 \end{array}$ $\begin{array}{r} 1541 \\ 0822 \\ \hline 719 \end{array}$ $\begin{array}{r} 2258 \\ 1541 \\ \hline 717 \end{array}$ = $720 \times 1807 = 13010159$ Yds

BEDROCK $\begin{array}{r} 2992 \\ 2271 \\ \hline 721 \end{array}$ $\begin{array}{r} 3716 \\ 2992 \\ \hline 724 \end{array}$ $\begin{array}{r} 4438 \\ 3716 \\ \hline 722 \end{array}$ = $722 \times 1807 = 13047159$ Yds

2 | 26057 ✓

AVG AREA 13028159 Yds

$13028 \times \frac{23.7}{3} = 102,921$ ✓ Cu. Yds.

$\frac{102921}{30} = 3431$ ✓ Cu Yds per day Elapsed Time.

$\frac{102921}{28.03} = 3672$ ✓ " " " Digging Time.

Pond Elev July 1 = 1852.0

Claims dredged - Cr. Claim 50 B.D. Sulph

Surface Area = 2.69 Acres

Avg. width of cut = 200 Feet

length = 490

THAWING WRITEOFF

UNIT # 61 B: Remainder = 9565 sq. yds. = 10975 cu. yds.

81 $\begin{array}{r} 7804 \quad 8199 \\ 7408 \quad 7804 \\ \hline 396 \quad 395 \end{array}$ $396 \times 162.6 = 64390 \times \frac{24.6}{27} = 58666$

82 $\begin{array}{r} 9468 \quad 0156 \quad 0408 \\ 9217 \quad 9905 \quad 0156 \\ \hline 251 \quad 251 \quad 252 \end{array}$ $= 251 \times 162.6 = 40813 \times \frac{23.9}{27} = 36127$

Total. 105768

STRIPPING WRITEOFF

Line # 313 30' only (311 to 314) = $59 \times 60.22 = 3553$ cu. yds

314 $\begin{array}{r} 6511 \quad 6707 \\ 6313 \quad 6511 \\ \hline 198 \quad 196 \end{array} = 197$ $= 239 \times 60.22 = 14393$

315 $\begin{array}{r} 6788 \quad 7064 \quad 7345 \\ 6505 \quad 6788 \quad 7064 \\ \hline 283 \quad 276 \quad 281 \end{array} = 281$ $= 204 \times 60.22 = 12285$

316 $\begin{array}{r} 7777 \quad 7904 \\ 7651 \quad 7777 \\ \hline 126 \quad 127 \end{array} = 127$ $= 79 \times 60.22 = 4757$

317 $\begin{array}{r} 8857 \quad 8887 \\ 8828 \quad 8857 \\ \hline 29 \quad 30 \end{array} = 30$ $= 21.5 \times 60.22 = 1295$

318 $\begin{array}{r} 6984 \quad 6997 \quad 7009 \\ 6969 \quad 6984 \quad 6997 \\ \hline 15 \quad 13 \quad 12 \end{array} = 13$ $= 6.5 \times 60.22 = 391$

319 0

Total 36674 cu. yds.

1" = 100'

Fac. 18.07

= Sq. yds.

Normier at 34

DREDGE N^o 8

July 1939

DREDGE OPERATED 31 Days.

DUG 701 Hrs. 20 min. = 29.22 days = 94.26 %
LOST 42 " 40 " = 1.78 " = 5.74 %

AVERAGE HEIGHT of BANK = 1.9 Feet

DEPTH (below) = 20.4 "

TOTAL = 22.3 "

SURFACE: $\frac{2691}{2008} \frac{4747}{4057} \frac{5434}{4747} = 687 \times 18.07 = 12414$ Sq. yds.
683, 690, 687,

BEDROCK: $\frac{6061}{5414} \frac{6715}{6061} \frac{7367}{6715} = 651 \times 18.07 = 11764$ "

2 | 24178

Avg. Area = 12089 "

$12089 \times \frac{22.3}{3} = 89861$ cu. yds. Total.

$\frac{89861}{31} = 2899$ cu. yds per day elapsed time

$\frac{89861}{29.22} = 3075$ " " " " running time

Pond Elev Aug 1 - 1850.2

Claims dredged - 50 and 51 Below Sulphur

Surface area - 2.56 acres

Avg width of cut - 250 Feet

Length - - - 435 "

THAWING WRITEOFF

UNIT # 14 -

ALL

81405 sq ft = 54500 cu yds

1939 Thaw

$$\begin{array}{lcl}
 15 = \frac{0350}{9940} \frac{0759}{410} = 409 \times 162.6 = 66503 \text{ sq ft.} \times \frac{25.7}{27} = 63301 \text{ cu yds.} \\
 16 = \frac{1006}{0757} \frac{1478}{1228} = 250 \times 162.6 = 40650 \text{ sq ft.} \times \frac{17.3}{27} = 26046 \text{ cu yds.} \\
 \text{Total.} \quad \underline{143847}
 \end{array}$$

STRIPPING WRITEOFF

LINE	Remaining Aug 1 st /39	Remaining 125' strip	Aug. Writeoff
314 - 315 =	32670 cu yds.	6142 cu yds	26528 yds ³
315 - 316 =	32207 - -	6895 - -	25312 -
316 - 317 =	^{13 127} 33453 - -	4486 - -	⁸⁶⁴¹ 28967 -
310 - 311	10900 cu yds		
309 - 310	10326 - -		80807 yds ³

Line 314	$\frac{0843}{0462} \frac{1221}{0843}$	= 380	
	$\frac{381}{378}$		$369.5 \times 60.22 = 22251 \text{ cu yds.}$
313	$\frac{0908}{0549} \frac{1630}{1272}$	= 359	
	$\frac{359}{358}$		$353.5 \times 60.22 = 21288 \text{ cu yds.}$
312	$\frac{1945}{1600} \frac{2296}{1945} \frac{2244}{2296}$	= 348	
	$\frac{345}{351} \frac{348}{348}$		$279 \times 60.22 = 16801$
311	(80' only or 4/5 of X ³ 312 rdg)		60340
			80807
		Total.	141147 cu yds.

1" = 100'

Fac. 18.07.

DREDGE No 8

AUGUST 1939

Sq. yds.

Vernier at 34.

DREDGE operated 31 days

dug 700 Hrs. = 29.17 days = 94.09%
lost 44 " = 1.83 " = 5.91%

Avg. Height of Bank = 3.0 Feet

Depth = 18.8

Total = 21.8

SURFACE: $\begin{array}{r} 4205 \\ 3005 \\ \hline 1200 \end{array}$ $\begin{array}{r} 5408 \\ 4205 \\ \hline 1203 \end{array}$ $\begin{array}{r} 6607 \\ 5408 \\ \hline 1199 \end{array}$ = $1201 \times 18.07 = 21702 \text{ sq. yds}$

BEDROCK: $\begin{array}{r} 7778 \\ 6585 \\ \hline 1193 \end{array}$ $\begin{array}{r} 8972 \\ 7778 \\ \hline 1194 \end{array}$ $\begin{array}{r} 0162 \\ 8972 \\ \hline 1190 \end{array}$ = $1192 \times 18.07 = 21539$
 $2 \overline{) 43241}$

21621 $\times \frac{21.8}{3} = 157117 \text{ cu. yds}$ Avg. Area. 21621
Total.

$\frac{157117}{31} = 5068 \text{ cu. yds per day}$ elapsed time

$\frac{157117}{29.17} = 5386$ running time

Pond Elev. Sept 1st 1848.9

Claims dredged 51-52 Below on Sulphur

Surface area = 4.48 acres

Avg. Width of cut 250 Feet

Length = 780

$\begin{array}{r} 21702 \\ 9 \\ \hline 195318 \end{array}$

$\begin{array}{r} 21539 \\ 9 \\ \hline 193851 \end{array}$

$\begin{array}{r} 21621 \\ 9 \\ \hline 194589 \end{array}$

Thawing Writeoff

Block 101	$\begin{array}{r} 4385 \\ 4268 \\ \hline 117 \end{array}$	$\begin{array}{r} 4503 \\ 4385 \\ \hline 118 \end{array}$	$= 118 \times 162.6 = \frac{(Area) 19187 \times 23.1}{27} = 16415 \text{ Cu Yds.}$
✓ 102	$\begin{array}{r} 4877 \\ 4581 \\ \hline 296 \end{array}$	$\begin{array}{r} 5176 \\ 4877 \\ \hline 299 \end{array}$	$298 \times 162.6 = \frac{(Area) 48454 \times 32.5}{27} = 58324 \text{ ✓ ✓}$
✓ 82	$\begin{array}{r} 5116 \\ 5102 \\ \hline 114 \end{array}$	$\begin{array}{r} 5321 \\ 5216 \\ \hline 109 \end{array}$	$112 \times 162.6 = \frac{(Area) 18211 \times 23.9}{27} = 16120 \text{ ✓ ✓}$
✓ 15	Remainder		$= 13269 \text{ Cu Yds}$
✓ 17	$\begin{array}{r} 5623 \\ 5325 \\ \hline 298 \end{array}$	$\begin{array}{r} 5916 \\ 5623 \\ \hline 293 \end{array}$	$296 \times 162.6 = \frac{(Area) 48129 \times 23.4}{27} = 41711 \text{ ✓ ✓}$
			Total = 145839 ✓ ✓

1938 Thaw. = 90859 ✓
 1939 " = 54980 ✓
 Total = 145839 ✓ Cu Yds

Stripping Writeoff

Line 311	$\begin{array}{r} 5785 \\ 5590 \\ \hline 195 \end{array}$	$\begin{array}{r} 6381 \\ 5785 \\ \hline 596 \end{array}$	19	$280 \times 16.26 \times 80 = 73490 \text{ Cu Yds.}$
	Area of 312 x 80'			
Line 312	$\begin{array}{r} 7245 \\ 6966 \\ \hline 279 \end{array}$	$\begin{array}{r} 7525 \\ 7245 \\ \hline 280 \end{array}$	280	$236 \times 16.26 \times 100 = 14212 \quad \checkmark \quad \checkmark$
Line 313	$\begin{array}{r} 5816 \\ 5623 \\ \hline 193 \end{array}$	$\begin{array}{r} 6009 \\ 5816 \\ \hline 193 \end{array}$	193	
Area of 313 x 65 Feet				$193 \times 16.26 \times 65 = 7554 \quad \checkmark \quad \checkmark$
Line 314				Total 35256 $\checkmark \quad \checkmark$

DREDGE No 8

SEPTEMBER 1939

SCALE - 1" = 100'

FACTOR = 18.07

= SQ YDS

VERNIER AT 34

DREDGE OPERATED - 30 DAYS

" DUG = 673 HRS 10 MIN = 28.05 DAYS = 93.50 %

" LOST = 46 " 50 " = 1.95 " = 6.50 %

AVE HEIGHT OF BANK = 4.6 FEET

" DEPTH = 19.4 "

TOTAL " = 24.0 "

SURFACE -

$$\begin{array}{r} 9833 \\ 8884 \\ \hline 949 \end{array}$$

$$\begin{array}{r} 10781 \\ 9833 \\ \hline 949 \end{array}$$

950 x 18.07 = 17166 Sq Yds. = 154494 Sq Ft

Bedrock -

$$\begin{array}{r} 3648 \\ 2690 \\ \hline 958 \end{array}$$

$$\begin{array}{r} 4611 \\ 3648 \\ \hline 963 \end{array}$$

960 x 18.07 = 17347 " " 156123 "

2 (34413)

17256

= Avg Area

= 155304

$$\frac{17256 \times 8.0}{3} = 138048 \text{ Cu. Yds.}$$

$$\frac{138048}{30} = 4602 \text{ Cu. Yds per day elapsed time}$$

$$\frac{138048}{28.05} = 4921 \text{ digging time}$$

Pond Elev Oct 1 = 1848.4

Claims dredged = 51 Bel. Sulph.

Surface Area = 3.55

Avg Width Cut = 250'

Length = 600'

THAWING WRITEOFF

1938

BLOCK 102 = $\frac{7023}{6837} \frac{7212}{7023} = 188 \times 162.6 = 30568 \times \frac{32.5}{27} = 36794$

BLOCK 103 = $\frac{7407}{7277} \frac{7538}{7407} = 131 \times 162.6 = 21300 \times \frac{32}{27} = 25244$

BLOCK 13 = $\frac{7462}{7402} \frac{7521}{7462} = 60 \times 162.6 = 9756 \times \frac{22.7}{27} = 8202$ *

BLOCK 12 = $\frac{7867}{7752} \frac{7982}{7867} = 115 \times 162.6 = 18699 \times \frac{26.5}{27} = 18352$

1939

BLOCK - 17 = REMAINDER = $32187 \times \frac{32}{27} = 25867$

BLOCK - 191 = $\frac{8384}{8219} \frac{8447}{8384} = 114 \times 162.6 = 18536 \times \frac{24.1}{27} = 16545$

* BLOCK 12 & 13 WRITE OFF 1938 THAW = 27890 = $\left. \begin{array}{l} 13945 \text{ BLOCK 12} \\ " \quad " \quad 13 \end{array} \right\} = \text{BLOCK 121-1938.}$

1938 THAW = 89,928 { = 132,340 CUB YDS

1939 " = 42,412 {

STRIPPING WRITE OFF

312

LINE 311 = 596 $596 \times 20' \times \frac{16.26}{27} = 7178 \text{ CUB YDS}$

LINE 310 $\frac{8560}{8340} \frac{8997}{8773} \frac{9218}{8997} = 222$ $409 \times 100 \times \frac{16.26}{27} = 24630 \text{ " "}$

LINE 309 $\frac{9338}{9196} \frac{9483}{9338} \frac{9627}{9483} = 143$ $182.5 \times 100 \times \frac{16.26}{27} = 10990 \text{ " "}$

1938 STRIPPING = 42798 TOTAL

35256
42798
19.851
97905

DREDGE No 8

OCTOBER 1939

SCALE = 1" = 100'

FACTOR = 18.07

= SQ YDS

VERNIER AT 34

DREDGE OPERATED 31 DAYS

"

DUG

= 670 HRS - 55 MINS = 27.95 DAYS = 90.18%

"

LOST

= 73 " - 05 " = 3.05 " = 9.82%

AVE HEIGHT OF BANK = 4.0 FEET

" DEPTH

= 20.5 "

TOTAL

"

= 24.5 "

$$\text{SURFACE} = \frac{\begin{array}{r} 8812 \\ 8003 \\ \hline 809 \end{array} \quad \frac{\begin{array}{r} 9619 \\ 8812 \\ \hline 806 \end{array} \quad \frac{\begin{array}{r} 0426 \\ 9618 \\ \hline 808 \end{array}}{807 \times 18.07 = 14582 \text{ Sq. yds.}}$$

$$\text{BEDROCK} = \frac{\begin{array}{r} 1358 \\ 0594 \\ \hline 774 \end{array} \quad \frac{\begin{array}{r} 2133 \\ 1358 \\ \hline 775 \end{array} \quad \frac{\begin{array}{r} 2908 \\ 2133 \\ \hline 775 \end{array}}{775 \times 18.07 = 14004}$$

2 | 28586

Avg Area: 14293

$$\frac{14293 \times 24.5}{3} = 116726 \text{ cu. yds. Total}$$

$$\frac{116726}{31} = 3765 \text{ cu. yds per day elapsed time}$$

$$\frac{116726}{27.95} = 4176 \text{ cu. yds per day running time}$$

POND ELEV = 1848.6
 CLAIMS DREDGED = 12 Bel Sulphur
 SURFACE AREA = 2.95 ACRES
 AVE WIDTH OF CUT = 220 Feet
 " LENGTH " " = 575

14582

131238

14004

126036

14293

128639

THAWING WRITEOFF

BLOCK 16 = $\frac{8555}{138} \frac{8699}{144} \frac{8841}{142} = 142 \times 162.6 = \frac{23089 \times 17.7}{27} = 15136 \text{ CUB. YDS.}$

BLOCK - 18 = $\frac{8591}{158} \frac{8665}{68} \frac{8730}{65} = 67 \times 162.6 = \frac{10894 \times 17.0}{27} = 6859 \text{ CUB. YDS.}$

BLOCK - 19 = $\frac{8763}{14} \frac{8774}{11} \frac{8763}{11} = 13 \times 162.6 = \frac{2114 \times 25.5}{27} = 1997 \text{ " "}$

TOTAL 1939 THAWING WRITE OFF = 23992 CUB. YDS.

STRIPPING WRITEOFF.

LINE 311 = $\frac{4270}{226} \frac{4491}{221} = 224$ $230 \times 60.22 = 13851 \text{ CUB. YDS.}$ REDUCED TO 3851 ON ACCOUNT OF 10000 YDS IN AUG.

LINE - 310 = $\frac{5292}{237} \frac{5527}{235} = 236$ $223.5 \times 60.22 = 13459 \text{ " "}$

LINE - 309 = $\frac{4133}{213} \frac{4341}{208} = 211$ $211 \times 20 \times 162.6 = 2541 \text{ " "}$

STRIPPING WRITE OFF TOTAL = 19851 CUB. YDS.

SCALE = 100' = 1"

DREDGE No 8

NOVEMBER 1939

FACTOR = 18.07

DREDGE No 8 CLOSED DOWN NOV 10 AT 10.30 AM - FOR LOST TIME SUMMARY

= SQ. YDS

DREDGE OPERATED = 9 DAYS

VERNIER AT 34

" DUG = 203 HRS 45 MINS = 8.49 DAYS = 94.33%

" LOST = 12 " - 15 " = 0.51 " = 5.67%

AVE HEIGHT OF BANK = 2.0

" DEPTH = 20.4

TOTAL " = 22.4

SURFACE - $\frac{6832}{244} \frac{7077}{245} = 245 \times 18.07 = 4427 \text{ SQ YDS}$

BED ROCK - $\frac{7349}{243} \frac{7593}{244} = 244 \times 18.07 = 4409 \text{ SQ YDS}$

$2 \overline{) 8836}$

AVE AREA = 4418 / SQ YDS

$\frac{4418 \times 22.4}{3} = 32988 \text{ TOTAL CUB YDS}$

$\frac{32988}{9} = 3665 \text{ CUB YDS PER DAY ELAPSED TIME}$

$\frac{32988}{8.49} = 3885 \text{ " " " " RUNNING TIME}$

Pond elev. : 1848.8'

claims dredged : # 52 Below Sulphur.

Surface area : 0.91 Acres.

Avg. width of cut : 225 Feet

length of cut : 200 "

Thawing Writeoff

Block 16 - Remainder

= 12218 Cuyds

$$18 - \frac{0428}{0405} = 23$$

$$\frac{0451}{0428} = 23$$

$$\frac{23 \times 162.6 \times 17}{27} = \frac{2355}{27}$$

Total = 14573

Stripping Writeoff

Line 310 $\frac{6957}{6790} = 167$ $\frac{7778}{7610} = 168$

Line 309 $\frac{8615}{8563} = 52$ $\frac{8668}{8615} = 53$

Line 310

Line 311 $\frac{9521}{9332} = 189$ $\frac{9715}{9521} = 194$

168

$$110 \times 60.22 = 6624 \text{ Cuyds.}$$

52

168

$$180 \times 60.22 = 10840$$

192

$$\begin{aligned} \text{Total} &= 17464 \text{ Cuyds.} \\ &- 10326 \\ &= 7138 \end{aligned}$$

Note - In August 1939 - 20326 Cuyds too much was written off between sections 316-317. 10000 Cuyds. was taken care of in November between sections 309-311 and the balance 10326 Cuyds is being taken off this month between sections 309-311.

Between 309-310 - 3734 Cuyds

✓ 310-311 - 3404

Total = 7138

} Writeoff for April

Scale 1" = 100'

Fac. 18.07

- sq. yds.

Vernier at 34

DREDGE N^o 8

APRIL 1940

Dr started Apr 27 - 10:00 a.m.

Last Time Summary starts Apr 27 - 7:00 a.m.

Dredge operated 4 Days.

dug: 88 Hrs. 40 min = 3.69 days = 92.36%

lost: 7' - 20' = 0.31 = 7.64%

Avg. Height of bank = 3.5 Feet

Depth = 16.5

Total = 20.0

SURFACE $\begin{array}{r} 9674 \\ 9573 \\ \hline 101 \end{array}$ $\begin{array}{r} 9776 \\ 9674 \\ \hline 102 \end{array}$ $102 \times 18.07 = 1843$ Sq Yds

BEDROCK $\begin{array}{r} 9920 \\ 9817 \\ \hline 103 \end{array}$ $\begin{array}{r} 0130 \\ 0027 \\ \hline 103 \end{array}$ $103 \times 18.07 = 1861$

$2 \overline{) 3704}$

Avg Area = 1852 Sq. Yds.

$\frac{1852 \times 20}{3} = 12347$ Cu. Yds.

$\frac{12347}{4} = 3087$ Cu. Yds per day elapsed time

$\frac{12347}{3.69} = 3346$ running time

Pond Elevation - 1849.0

Claims dredged - 5¹/₂ Below Sulphur

Surface area - 0.38 acres.

Avg Width of cut - 230'

Length - 70'

Factor = 162.6 = Sq. Ft.

Thawing Writoff

17

Block 18 - $\frac{1431}{1006} \frac{1865}{1431} \frac{430}{429} \times 162.6 = \frac{69918 \times 17}{17} = 40022 \text{ CuYds}$
(44422)

19 - $\frac{2932}{2623} \frac{3247}{2932} \frac{3162}{315} \times 162.6 = \frac{51219 \times 21.5}{17} = 48373$
Total Writoff = 88395

Stripping Writoff

X SCC 309	$\frac{6016}{5568} \frac{6465}{6016} \frac{448}{448}$	$408 \times 60.22 = 24570 \text{ CuYds}$
X - 308	$\frac{4158}{3787} \frac{4891}{4158} \frac{368}{371}$	$408 \times 60.22 = 24570$
X - 307	$\frac{6332}{5888} \frac{6773}{6332} \frac{442}{441}$	$408 \times 60.22 = 24570$
X - 306	0	$221 \times 60.22 = 13309$
		Total = 62268

1" = 100'

Factor = 18.07 = Sq. Yds.
Vernier at 34

Dredge No: 8

May 1940

Dredge operated 31 days

- Dug 693 hrs 05 min = 28.88 days = 93.167.
- lost 50 - 55 = 2.12 = 6.847.

Avg. Hgt. Bank = 5.1 Feet

- Depth = 15.8

Total Depth = 20.9

Surface

7500	8202	8907
6793	7500	8202
707	702	705

705 x 18.07 = 12739 Sq. Yds.

Bedrock

4163	0238
8888	4163
675	675

675 x 18.07 = 12197

2 | 24936

Avg Area = 12468 Sq. Yds.

4156
12468 x 20.9 = 86860 Cu. Yds.

$\frac{86860}{31} = 2802$ Cu. Yds per day elapsed time

$\frac{86860}{28.88} = 3008$ - - - running

Pond Elev - 1846.8

Claims dredged - 5 1/2 Below Sulphur

Surface area - 2.63 Acres.

Avg Width Cut - 250'

- Length - 450'

162.L

Thawing Writoff

Block 12 - $\frac{9463}{9130} \frac{9797}{9463} 333 \times 162.L = \frac{54146 \times 25.3}{27} = 50737 \checkmark \text{ Cords}$

✓ 13 - $\frac{9683}{9520} \frac{9843}{9683} 162 \times 162.L = \frac{26341 \times 22.8}{27} = 22244 \checkmark \checkmark$

✓ 19 - $\frac{0311}{0265} \frac{0329}{0311} 47 \times 162.L = \frac{7642 \times 25.5}{27} = 7217 \checkmark \checkmark$

✓ 20 - $\frac{0508}{0291} \frac{0727}{0508} 218 \times 162.L = \frac{35447 \times 21.5}{27} = \frac{(28226)}{(1640 \text{ thany})} \checkmark \checkmark$

Total 108424 / ✓

Stripping Writoff

X Sec 305 - $\frac{0060}{9596} \frac{0126}{0060} 65$

✓ 306 - $\frac{9671}{9604} \frac{9741}{9671} 69$

✓ 307 - $\frac{9943}{9749} \frac{0139}{9943} 195$

✓ 308 - $\frac{8686}{8541} \frac{8829}{8686} 144$

✓ 309 - $\frac{0118}{0025} \frac{0232}{0118} 113$

67 x 60.22 = 4035 Cords

132 x 60.22 = 7949 ✓

169 x 60.22 = 10177 ✓

128 x 60.22 = 7708 ✓

Total = 29869 ✓

Scale 1" = 100'

DREDGE N° 8

JUNE 1940

Factor = 18.07 = 59 yds

Vernier @ 34.

DREDGE OPERATED 30 days.

DREDGE DUG - 670 Hrs 20 min = 27.93 days = 93.10%
" LOST - 49 " 40 " = 2.07 " = 6.90%

AVG HEIGHT OF BANK = 5.0 FT

AV. DEPTH " " = 19.0 "

TOTAL DEPTH 24.0 FT.

SURFACE — $\begin{array}{r} 4131 \quad 7583 \\ 3375 \quad 4131 \\ \hline 756 \quad 752 \end{array}$ $\begin{array}{r} 5641 \\ 4883 \\ \hline 758 \end{array}$ = 755 X 18.07 = 13 643.59 yds

BED ROCK — $\begin{array}{r} 6370 \quad 7096 \\ 5440 \quad 6270 \\ \hline 730 \quad 726 \end{array}$ $\begin{array}{r} 7824 \\ 7026 \\ \hline 728 \end{array}$ = 728 X 18.07 = 13 155.59 yds

21 26,798
AV AREA. 13,399 sq. yds

$\frac{13399 \times 24.0}{3} = 107,192$ cu. yds.

$\frac{107192}{27.93} = 3838$ cu yds per day running time

$\frac{107192}{30} = 3573$ cu yds. per day elapsed time

Pond Elev - 1842.1

Claims dredged - 52+53 Below Sulph.

Surface area - 2.82 Acres

Avg Width cut - 225'

length - 570'

Thawing Writeoff

Block 12 - Remainder

- 18 -								
- 19 -								
- 20 -	$\begin{array}{r} 1541 \\ 1383 \\ \hline 158 \end{array}$	$\begin{array}{r} 1299 \\ 1541 \\ \hline 158 \end{array}$	$158 \times 16.2 = 2569.6$	$= 2569.6 \times 21.5$				
- 21 -	$\begin{array}{r} 2684 \\ 2239 \\ \hline 445 \end{array}$	$\begin{array}{r} 3127 \\ 2684 \\ \hline 443 \end{array}$	$444 \times 16.2 = 7204.8$	$= 7204.8 \times 21.4$				
✓ 22 -	$\begin{array}{r} 3473 \\ 3106 \\ \hline 367 \end{array}$	$\begin{array}{r} 3836 \\ 3473 \\ \hline 363 \end{array}$	$365 \times 16.2 = 5913.0$	$= 5913.0 \times 17.2$				

= 10374 Cuyds.				
= 3541	✓	✓	✓	} 1939
= 5123	✓	✓	✓	
= 20458	✓			
= 57220	✓	✓	✓	} 1940
= 37807	✓	✓	✓	
<u>134523</u>	✓			

1939 Thaw = 19038 Cuyds.
 1940 = 115485
 Total = 134523

Stripping Writeoff

Xn 304 -	$\begin{array}{r} 1992 \\ 1425 \\ \hline 567 \end{array}$	$\begin{array}{r} 2560 \\ 1992 \\ \hline 568 \end{array}$	567			
Xn 305 -	$\begin{array}{r} 8198 \\ 7473 \\ \hline 725 \end{array}$	$\begin{array}{r} 8919 \\ 8198 \\ \hline 721 \end{array}$	723	$645 \times 60.22 = 38847$	Cuyds.	
Xn 306 -	$\begin{array}{r} 5558 \\ 5057 \\ \hline 501 \end{array}$	$\begin{array}{r} 6060 \\ 5558 \\ \hline 502 \end{array}$	501	$612 \times 60.22 = 36855$		
Xn 307 -			0	$250 \times 60.22 = 15055$		
				Total =	90752	✓

Chkd. GGF.

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

DREDGE # 8

July, 1940.

DREDGE OPERATED 31 DAYS.

" DUG 689 Hrs 40 Min. = 28.74 DAYS = 92.70 %
 " LOST 54 " 20 " = 2.26 " = 7.30 %

AVG HGT BANK = 4.7 FT.
 " DEPTH = 16.7 "
 TOTAL = 21.4 "

Surface $\begin{array}{r} 8178 \\ 7103 \\ \hline 1075 \end{array}$ $\begin{array}{r} 9252 \\ 8178 \\ \hline 1074 \end{array}$ $1075 \times 18.07 = 19425$ Sq Yds.

Bedrock $\begin{array}{r} 0352 \\ 9258 \\ \hline 1094 \end{array}$ $\begin{array}{r} 1443 \\ 0352 \\ \hline 1091 \end{array}$ $1092 \times 18.07 = 19732$
 $\begin{array}{r} 19732 \\ 39157 \\ \hline 19578 \end{array}$
 Avg. Area = 19578

$\begin{array}{r} 6526 \\ 19578 \times 21.4 \\ \hline 3 \end{array} = 139656$ Cu Yds.

$\frac{139656}{31} = 4505$ Cu Yds. per day elapsed time

$\frac{139656}{28.74} = 4859$ running

Pond elev. - 1842.5

Claims dredged - 54 + 53 Below Sulphur

Surface area - 4.01 acres

Avg Width Cut - 250'

length - 875'

$\begin{array}{r} 19425 \\ 174825 \end{array}$ $\begin{array}{r} 19732 \\ 177588 \end{array}$

$\begin{array}{r} 19578 \\ 176202 \end{array}$

Thawing Writcoff

All 1940 Thaw

Block 21 - Remainder

= 11674 Cuyds.

22 -

= 3781

23 - $\begin{array}{r} 0371 \\ 0020 \\ \hline 351 \end{array}$ $\begin{array}{r} 0722 \\ 0371 \\ \hline 351 \end{array}$

$$351 \times 16.6 = \frac{57073 \times 14.0}{27} = 29593$$

24 - $\begin{array}{r} 1172 \\ 0686 \\ \hline 486 \end{array}$ $\begin{array}{r} 1657 \\ 1172 \\ \hline 485 \end{array}$

$$486 \times 16.6 = \frac{79024 \times 18.5}{27} = 54142$$

Total = 99194

Stripping Writcoff

X 301 -

416

$\frac{1}{3} \times 302$

$$522 \times 60.22 = 31435 \text{ Cuyds.}$$

302 - $\begin{array}{r} 7437 \\ 6807 \\ \hline 630 \end{array}$ $\begin{array}{r} 8062 \\ 7437 \\ \hline 625 \end{array}$ 629

$$584 \times 60.22 = 35168$$

303 - $\begin{array}{r} 8715 \\ 8173 \\ \hline 542 \end{array}$ $\begin{array}{r} 9804 \\ 9266 \\ \hline 538 \end{array}$ 540

$$550 \times 60.22 = 33121$$

304 - $\begin{array}{r} 0213 \\ 9647 \\ \hline 566 \end{array}$ $\begin{array}{r} 0768 \\ 0213 \\ \hline 555 \end{array}$ $\begin{array}{r} 1327 \\ 0768 \\ \hline 559 \end{array}$ 560

Total = 99724 Cuyds.

Scale 1" = 100
 Fac = 18.07 = 59 yds
 Tonnage @ 34

DREDGE N° 8

August 1940

Dredge operated 31 days ✓

✓ dug 696 hrs 40 min = 29.03 days = 93.64% ✓
 ✓ lost 47 ✓ 20 ✓ = 1.97 ✓ = 6.36% ✓

Avg hgt Bank = 3.6 ft ✓

Depth = 14.0 ✓

Total = 17.6 ✓

Surface $\begin{array}{r} 5122 \\ 4124 \\ \hline 998 \end{array}$ $\begin{array}{r} 7104 \\ 6108 \\ \hline 996 \end{array}$ $\begin{array}{r} 8096 \\ 7104 \\ \hline 992 \end{array}$ $995 \times 18.07 = 17980$ ✓ 55 yds.

Bedrock $\begin{array}{r} 9034 \\ 8090 \\ \hline 944 \end{array}$ $\begin{array}{r} 9976 \\ 9034 \\ \hline 942 \end{array}$ $943 \times 18.07 = 17040$ ✓

$\frac{17980}{2} = 8990$ ✓

Avg Area = 17510 ✓

$17510 \times \frac{17.6}{3} = 102725$ Cu. Yds

$\frac{102725}{31} = 3314$ Cu. Yds per day elapsed time

$\frac{102725}{29.03} = 3539$ ✓ running

G.G.F.

Pond Elev. 1839.0

Claims dredged - 13 + 13 A Below Sulphur

Surface Area = 3.71 Acres.

Avg Width Cut = 275 Feet.

length = 600

$\begin{array}{r} 17980 \\ 9 \\ \hline 161820 \end{array}$ $\begin{array}{r} 17040 \\ 9 \\ \hline 153360 \end{array}$ $\begin{array}{r} 17510 \\ 9 \\ \hline 157590 \end{array}$

Thaw Writeoff

Block 20 - Remainder

17156 ✓ Cuyds

✓ 25 - All

85917 ✓

✓ 24 - $\frac{4687}{4663} \checkmark$ $\frac{4711}{4687} \checkmark$

$$24 \times 162.6 = \frac{3902 \times 18.5}{27} =$$

2673 ✓

✓ 26 - $\frac{4950}{4705} \checkmark$ $\frac{5195}{4950} \checkmark$

$$245 \times 162.6 = \frac{39837 \times 21.0}{27} =$$

30984 ✓

✓ 27 - $\frac{4643}{4612} \checkmark$ $\frac{4674}{4643} \checkmark$

$$31 \times 162.6 = \frac{5041 \times 21.0}{27} =$$

(3921)
4088 ✓

167 yds added to #27
+ taken off #25

Total = 140818 ✓

All 1940 Thaw

Stripping Writeoff

X2. 298

299 X .3 $\frac{3915}{3683} \checkmark$ $\frac{4153}{3915} \checkmark$

235 ✓

$$71 \times 60.22 = 4275 \text{ Cuyds}$$

✓ 299

$$261 \times 60.22 = 15717 \checkmark$$

✓ 300 $\frac{5074}{4790} \checkmark$ $\frac{5363}{5074} \checkmark$

287 ✓

$$250 \times 60.22 = 15055 \checkmark$$

✓ 301 $\frac{6165}{5952} \checkmark$ $\frac{6377}{6165} \checkmark$

213 ✓

$$195 \times 60.22 = 11743 \checkmark$$

✓ 302 $\frac{3878}{3702} \checkmark$ $\frac{4054}{3878} \checkmark$

176 ✓

$$145 \times 60.22 = 8732 \checkmark$$

✓ 303 $\frac{6134}{6023} \checkmark$ $\frac{6250}{6134} \checkmark$

114 ✓

$$129 \times 60.22 = 7768 \checkmark$$

✓ 304 $\frac{3532}{3387} \checkmark$ $\frac{3675}{3532} \checkmark$

144 ✓

$$22 \times 60.22 = 1325 \checkmark$$

✓ 305 $304 \times .15$

Total = 64615 ✓

$$1'' = 100'$$

$$Fec = 18.07 = \text{Sq Yds}$$

at 34

Dredge N^o 8

September 1940

Dredge operated 30 days

$$\text{dug } 673 \text{ hrs } 15 \text{ min} = 28.05 \text{ days} = 93.51\%$$

$$\text{lost } 46.45 = 1.95 = 6.49\%$$

$$\text{Avg Hgt. Bank} = 4.5 \text{ Ft.}$$

$$\text{Depth} = 16.2$$

$$\text{Total} = 20.7$$

$$\begin{array}{r} \text{Surface} \quad \begin{array}{r} 8087 \quad 9279 \\ 6893 \quad 8087 \\ \hline 1194 \quad 1192 \end{array} \end{array}$$

$$1193 \times 18.07 = 21557 \text{ Sq Yds}$$

$$\begin{array}{r} \text{Bedrock} \quad \begin{array}{r} 1599 \quad 2767 \\ 2429 \quad 1599 \\ \hline 1170 \quad 1168 \end{array} \end{array}$$

$$1169 \times 18.07 = 21123$$

$$2 \overline{) 42680}$$

$$\text{Avg Area} = 21340 \text{ Sq Yds}$$

$$21340 \times \frac{6.9}{20.7} = 147246 \text{ Cu Yds}$$

$$\frac{147246}{30} = 4908 \text{ Cu Yds per day elapsed time}$$

$$\frac{147246}{28.05} = 5249 \text{ running}$$

G.G.F.

Pond Elev. 1836.3

Claims dredged 53-53 A-54 Below Sulphur

Surface Area 4.45 Acres

Avg Width Cut 300 Ft

Length 670 Ft

$$\begin{array}{r} 21557 \\ 9 \\ \hline 194013 \end{array}$$

$$\begin{array}{r} 21123 \\ 9 \\ \hline 190107 \end{array}$$

$$\begin{array}{r} 21340 \\ 9 \\ \hline 192060 \end{array}$$

THAWING WRITE OFF

21.0
17.0

Block #	23	✓	Remainder	17703	✓	cu. yds.
	24	✓	Remainder	26061	✓	~
27	✓	$\begin{array}{r} 9272 \\ 9087 \\ \hline 185 \end{array}$	$\begin{array}{r} 9456 \\ 9272 \\ \hline 184 \end{array}$	$184 \times 162.6 = 29918 \times \frac{21.0}{27.0} = 23270$	✓	~
28	✓	$\begin{array}{r} 9982 \\ 9444 \\ \hline 538 \end{array}$	$\begin{array}{r} 0516 \\ 9982 \\ \hline 534 \end{array}$	$536 \times 162.6 = 87154 \times \frac{17.0}{27.0} = 54875$	✓	~
				Total.	121909	✓
All 1940 THAW.						

STRIPPING WRITE OFF

Line # 296

	30% of 297			$126 \times 60.22 = 7588$	✓	cu. yds
297	$\begin{array}{r} 2836 \\ 2416 \\ \hline 420 \end{array}$	$\begin{array}{r} 3596 \\ 3177 \\ \hline 419 \end{array}$	= 419 ✓	$391 \times 60.22 = 23546$	✓	✓
298	$\begin{array}{r} 1224 \\ 0859 \\ \hline 365 \end{array}$	$\begin{array}{r} 1586 \\ 1224 \\ \hline 362 \end{array}$	= 363 ✓	$362 \times 60.22 = 21800$	✓	✓
299	$\begin{array}{r} 1830 \\ 1466 \\ \hline 364 \end{array}$	$\begin{array}{r} 2191 \\ 1830 \\ \hline 361 \end{array}$	$\begin{array}{r} 2550 \\ 2191 \\ \hline 359 \end{array}$	= 361 ✓		
299	$\begin{array}{r} 8881 \\ 8233 \\ \hline 648 \end{array}$	$\begin{array}{r} 0191 \\ 9541 \\ \hline 650 \end{array}$	649 ✓	$597.5 \times 60.22 = 35981$	✓	✓
300	$\begin{array}{r} 1360 \\ 0813 \\ \hline 547 \end{array}$	$\begin{array}{r} 1905 \\ 1360 \\ \hline 545 \end{array}$	546 ✓	$566 \times 60.22 = 34085$	✓	✓
301	$\begin{array}{r} 2056 \\ 1473 \\ \hline 583 \end{array}$	$\begin{array}{r} 2645 \\ 2056 \\ \hline 589 \end{array}$	$\begin{array}{r} 3231 \\ 2645 \\ \hline 586 \end{array}$	586 ✓	$176 \times 60.22 = 10599$	✓
302	<u>30% of 301</u>			Total.	123049	cu. yds.

Scale 1" = 100'

DREDGE No 8

OCTOBER 1940

Fac 18.07 = 59 yds.

Vernier at 34

DREDGE operated 31 Days.

dug 699 Hrs 55 min = 29.16 Days = 94.07 %

lost. 44 ✓ 05 ✓ = 1.84 - = 5.93 %

Avg. Hgt of Bank : 4.2 Feet ✓

Depth. : 13.7 ✓

Total ✓ : 17.9 ✓

SURFACE	3991	5128	6258
	2857	3991	5128
	1134	1137	1130

1134 X 18.07 = 20491 Sq. yds.

BEDROCK	7394	8543	9693
	6240	7394	8543
	1154	1149	1150

1151 X 18.07 = 20799 ✓

2 | 41290 ✓

Avg. Area: 20645 ✓

20645 X $\frac{17.9}{3}$ = 123182 cu. yds. Total.

123182

31 = 3974 cu. yds per day elapsed time

$\frac{123182}{29.16}$ = 4224 running time

Pond elev. : 1835.9

Claims dredged : 53A-54 B.D. SULPHUR CK.

Surface Area. : 4.23 Acres.

Avg. Length of cut : 760'

- Width of cut : 250'

20645
18180 ✓

20799
187191

20491
184419

Throwing Writoff

Block 87

$$\begin{array}{r} 3440 \\ 3396 \\ \hline 44 \end{array} \quad \begin{array}{r} 3448 \\ 3404 \\ \hline 44 \end{array}$$

$$44 \times 162.6 \times \frac{21.0}{27.0} = 5691 \text{ Cu Yds}$$

✓ 88

$$\begin{array}{r} 3710 \\ 3625 \\ \hline 85 \end{array} \quad \begin{array}{r} 3795 \\ 3710 \\ \hline 85 \end{array}$$

$$85 \times 162.6 \times \frac{17.0}{27.0} = \overset{8702}{8207} \quad \checkmark \checkmark$$

$$\text{Total} = \begin{array}{r} 13898 \\ 14393 \end{array} \quad \checkmark \checkmark$$

Stripping Writoff

Line 896

$$3070 \text{ of } 297 \quad 36 \checkmark$$

$$78.5 \times 60.22 = 4727 \text{ cu. yds} \quad \checkmark$$

✓ 897

$$\begin{array}{r} 2705 \\ 2684 \\ \hline 121 \end{array} \quad \begin{array}{r} 2826 \\ 2705 \\ \hline 121 \end{array}$$

121 ✓

$$112.5 \times 60.22 = 6775 \quad \checkmark \checkmark$$

✓ 898

$$\begin{array}{r} 3473 \\ 3369 \\ \hline 104 \end{array} \quad \begin{array}{r} 3577 \\ 3473 \\ \hline 104 \end{array}$$

104 ✓

$$93.5 \times 60.22 = 5631 \quad \checkmark \checkmark$$

✓ 899

$$8070 \text{ of } 298 \quad 83 \checkmark$$

$$\text{Total} = 17133 \quad \checkmark \checkmark$$

1" = 100'
Fg - 18.07
Verrier at 34

Dredge No 8

November 1920
Nov. 8 - 11:00 a.m.

Dredge operated 7 days

dug 114 hrs 0 min = 4.75 days = 67.86%

lost 54 " 0 " = 2.25 " = 32.14%

Avg Hgt Bank = 2.0 ft.

Depth = 14.3

Total = 16.3

Surface - $\frac{2987}{2861} \quad \frac{3115}{2987} \quad 127 \times 18.07 = 2291 \text{ Sq Yds}$

Bedrock - $\frac{3277}{3140} \quad \frac{3427}{3277} \quad 131 \times 18.07 = 2367$
 $\frac{2367}{2466}$

Avg Area = 2231 Sq Yds

$\frac{2231}{3} \times \frac{16.3}{3} = 12665 \text{ Cu Yds.}$

$\frac{12665}{7} = 1809 \text{ Cu Yds per day elapsed time.}$

$\frac{12665}{4.75} = 2666 \text{ running time.}$

Chkd G.G.F.

Pond Elev. 1835.2

Claims dredged - 54 Below Sulphur

Surface area - 0.47 Acres.

Avg Width cut - 220'

Length - 100'

THAWING WRITEOFF

$$\text{UNIT}^{\#} 27 \text{ (Same as surface area)} \cdot 68 \times 158.1 = 10751 \text{ Sq. Ft.}$$

$$10751 \times 21.0 / 27 = \underline{8362} \text{ cu. yds. Total.}$$

STRIPPING WRITEOFF

Line 297	$\frac{4364}{4315}$	$\frac{4412}{4364}$	= 48	
	49	48		= 43 x 58.56 = 2518 cu. yds.
298	$\frac{4859}{4821}$	$\frac{4897}{4859}$	= 38	
	38	38		= 53 x 58.56 = 3104
299	$\frac{4953}{4886}$	$\frac{5021}{4953}$	= 68	
	67	68		
			Total.	<u>5622</u>

Scale 1" = 100'

Fac. 17.57 = sq. yds.
Vernier at 34.

DREDGE No 8

APRIL 1941

Started Apr. 24 - 11:15 AM.

Lost Time - Apr 24 - 7:00 AM.

Dredge operated 7 Days.

- dug 152 Hrs. 35 min. = 6.36 days = 90.82%
- lost 15 - 25 = 0.64 = 9.18%

Avg. Height of Bank. = 3.6 Feet

- Depth. = 17.0 -

Total. = 20.6 -

Surface: $\frac{4958}{4890} \frac{5026}{4958}$
68 68 = 68 x 17.57 = 1195 sq. yds.

Bedrock $\frac{5138}{5070} \frac{5206}{5138}$
68 68 = 68 x 17.57 = 1195 - -
2 | 2390
1195 - -

$1195 \times \frac{20.6}{3} = 8206$ cu. yds. Total.

$\frac{8206}{7} = 1172$ cu. yds per day, elapsed time

$\frac{8206}{6.36} = 1290$ cu. yds. per day, running time

Pond elev. : 1836.0

Claims Dredged. : 54 Below Sulphur

Surface area. : 0.25

Avg. length of cut : 50 Ft.

- width - - : 200 ✓

THAWING WRITEOFF

UNIT # 26 $\frac{1972}{1676}$ $\frac{2270}{1972}$ = $297 \times 158.1 = 46956 \times \frac{21}{27} = 36521$ cu. yds.

UNIT # 27 $\frac{2565}{2220}$ $\frac{3252}{2906}$ = $345 \times 158.1 = 54545 \times \frac{21}{27} = 42424$ ~ ~

Total. 78945 ~ ~

STRIPPING WRITEOFF

X^m Line # 296 (3/4 of 297 reading)

# 297	$\frac{8480}{8146}$	$\frac{8812}{8480}$	=	333	250 X 58.56 = 14640 cu.yds
	334	332			
# 298	$\frac{9027}{8692}$	$\frac{0051}{9716}$	=	335	334 X 58.56 = 19559 - -
	335	335			
# 299				0	168 X 58.56 = 9838 - -
					Total 44037 cu.yds

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

DREDGE N^o 8

MAY 1941

DREDGE OPERATED 31 Days.

DUG 700 Hrs 30 min. = 29.19 Days = 94.15%

LOST 43 - 30 = 1.81 = 5.85%

Avg. Height of Bank = 2.6 Feet

Depth = 18.8

Total = 21.4

<u>SURFACE</u>	$\begin{array}{r} 8641 \\ 7991 \\ \hline 650 \end{array}$	$\begin{array}{r} 9289 \\ 8641 \\ \hline 648 \end{array}$	$\begin{array}{r} 9937 \\ 9289 \\ \hline 648 \end{array}$	=	$649 \times 17.57 = 11403$ Sq. yds.
<u>BEDROCK</u>	$\begin{array}{r} 0587 \\ 9950 \\ \hline 637 \end{array}$	$\begin{array}{r} 1220 \\ 0587 \\ \hline 633 \end{array}$	$\begin{array}{r} 1855 \\ 1220 \\ \hline 635 \end{array}$	=	$635 \times 17.57 = 11157$
					2 $\overline{22560}$
				Avg. Area.	11280

$11280 \times \frac{21.4}{3} = 80464$ Cu. yds.

80464

31 = 2596 cu. yds per day elapsed time

80464

29.19 = 2757 cu. yds per day running time

Pond Elevation - 1834.7

Claims dredged - 54 Below Sulphur

Surface Area - 2.36 Acres.

Avg Width Cut - 250 Ft

Length - 430

Thawing Writeoff

Block 26 - Remainder

= 32595 Cu.Yds.

Block 30 - $\frac{7332}{7275} \frac{7442}{7332} 108 \times 158.1 = 17075 \times \frac{20.0}{27} = 12648$

Block 31 - $\frac{8730}{8172} \frac{9490}{8730} 559 \times 158.1 = 88378 \times \frac{19.5}{27} = 63829$

Total Writeoff = 109072

STRIPPING WRITEOFF

X ^m Line	#294	$\frac{9483}{9219}$	$\frac{9745}{9483}$	=	263	
		264	262			287.0 x 58.56 = 16807 Cu.Yds.
	#295	$\frac{0288}{9978}$	$\frac{0600}{0288}$	=	311	
		310	312			325.5 x " = 19061 "
	#296	$\frac{0479}{0138}$	$\frac{0818}{0479}$	=	340	
		341	339			206.0 x " = 12063 "
	#297	$\frac{1756}{1684}$	$\frac{1828}{1756}$	=	72	
		72	72			78.0 x " = 4568 "
	#298	$\frac{1269}{1184}$	$\frac{1353}{1269}$	=	84	
		85	84			42.0 x " = 2460 "
	#299				0	
						Total. 54959

1" = 100'

Vernier at 34

Fac = 17.57 = Sq Yds

Dredge No 8

June 1941

Dredge operated 30 days

✓ dug 677 hrs 30 min = 28.23 days = 94.107

✓ lost 42 - 30 = 1.77 = 5.90

Avg Hgt Bank = 2.4 Ft

✓ Depth = 19.9

Total = 22.3

Surface

4083

3178

905

4986

4083

903

5888

4986

902

903 × 17.57 = 15866 Sq Yds.

Bedrock

7014

6137

877

7895

7014

981

8775

7895

880

880 × 17.57 = 15462

31328

Avg Area = 15664

15664 × $\frac{22.3}{3}$ = 116436 Cu Yds.

$\frac{116436}{30}$ = 3881 Cu Yds. per day elapsed time.

$\frac{116436}{28.23}$ = 4125 - - - running

also

Pond Elev - 1834.7

Claims dredged - 54 + 1.5 Below Sulphur

Surface Area - 3.28 Acres.

Avg Width Cut - 250 Ft.

Length - 580

15866

9

142792

15462

9

139158

15664

9

140976

Thawing Writoff

Block 27 - Remainder

= 8845 Cnys

- 28 -

= 8616

- 29 $\begin{array}{r} 3875 \\ 3331 \\ \hline 544 \end{array}$ $\begin{array}{r} 4447 \\ 3875 \\ \hline 572 \end{array}$

$543 \times 158.1 = 85848 \times \frac{18.5}{27} = 58822 \text{ Cnys}$

- 30 $\begin{array}{r} 4828 \\ 4435 \\ \hline 393 \end{array}$ $\begin{array}{r} 5219 \\ 4828 \\ \hline 391 \end{array}$

$392 \times 158.1 = 61975 \times \frac{50}{27} = 45907$

Total Writoff = 122190

Stripping Writoff

X Sec 294 $\begin{array}{r} 5892 \\ 5023 \\ \hline 869 \end{array}$ $\begin{array}{r} 6754 \\ 5892 \\ \hline 862 \end{array}$ $\begin{array}{r} 7628 \\ 6754 \\ \hline 874 \end{array}$

868

$863 \times 58.56 = 50537 \text{ Cnys}$

X - 295 $\begin{array}{r} 7787 \\ 6926 \\ \hline 861 \end{array}$ $\begin{array}{r} 8644 \\ 7787 \\ \hline 857 \end{array}$ $\begin{array}{r} 9501 \\ 8644 \\ \hline 857 \end{array}$

858

$841.5 \times 58.56 = 49278$

X - 296 $\begin{array}{r} 9667 \\ 8822 \\ \hline 845 \end{array}$ $\begin{array}{r} 0442 \\ 9667 \\ \hline 822 \end{array}$

825

$412.5 \times 58.56 = 24156$

X - 297

0

0

Total Writoff = 123971

1" = 100'
 Vat 34
 Fac = 17.57
 = Sq Yds

Dredge No 8 - July 1941

Dredge operated 31 days
 dug box hrs & min = 25.10 days = 80.97%
 lost 141 - 35 = 1.90 = 19.03%
 Avg Hgt Bank = 2.8 Ft.
 Depth = 18.7
 Total = 21.5

Surface Area

8136	9184	0223
<u>7091</u>	<u>8136</u>	<u>9184</u>
10445	1048	1039

1045 x 17.57 = 18361 Sq. Yds.

Bedrock Area

1241	2285	3380
<u>0200</u>	<u>1241</u>	<u>2285</u>
1041	1044	1045

1043 x 17.57 = 18345

36686

Avg Area = 18343

18343 x 21.5 = 131458 Cu Yds

131458 / 31 = 4241 Cu Yds per day elapsed time

131458 / 25.10 = 5237 running

alps

Pond Elev. - 1834.3

Claims dredged - 54 - 55. Below Sulph

Surface Area - 3.79 Acres

Avg Width Cut - 270 Ft.

Length - 600

18361
 4
 162249

18345
 4
 164920

18343
 4
 165087

THAWING WRITE-OFF.

BLOCK #29	REMAINDER.	30,288	Cu Yds.
BLOCK #30	$\begin{array}{r} 9587 \quad 9821 \\ 9355 \quad 9587 \\ \hline 232 \quad 234 \end{array} = 233 \times 158.1 = 36,837$	$5944 \times \frac{20.0}{27} = 27,287$	" "
BLOCK #32	$\begin{array}{r} 9332 \quad 9628 \\ 9035 \quad 9332 \\ \hline 297 \quad 296 \end{array} = 297 \times 158.1 = 46,956$	$5944 \times \frac{23.0}{27} = 40,000$	" "
BLOCK #33	$\begin{array}{r} 0811 \quad 1015 \\ 0608 \quad 0811 \\ \hline 203 \quad 204 \end{array} = 203 \times 158.1 = 32,094$	$5944 \times \frac{21.7}{270} = 25,794$	" "
TOTAL		123,369	" "

$$\begin{array}{r} 1940 \text{ Thaw} = 97,575 \text{ CY} \\ 1941 \quad \quad = 25,794 \quad \checkmark \\ \hline 123,369 \quad \checkmark \end{array}$$

STRIPPING WRITE-OFF.

X#291 -	0	489 x 58.56 = 28,636 Cu Yds
X#292 -	$\begin{array}{r} 8468 \quad 9456 \quad 0428 \\ 7490 \quad 8468 \quad 9456 \\ \hline 978 \quad 982 \quad 978 \end{array} = 978$	949 x " = 55,573 " "
X#293 -	$\begin{array}{r} 0463 \quad 1387 \quad 2304 \\ 9542 \quad 0463 \quad 1387 \\ \hline 921 \quad 924 \quad 917 \end{array} = 920$	894 x " = 52,353 " "
X#294 -	$\begin{array}{r} 5892 \quad 6754 \quad 7628 \\ 5023 \quad 5892 \quad 6754 \\ \hline 869 \quad 862 \quad 874 \end{array} = 868$	TOTAL = 136,562 " "

1" = 100'

Yenick @ 34.0

Fac. 17.57 - Sq Yds.

DREDGE No 8.

AUGUST 1941.

DREDGE OPERATED - 31 days.

" Dug. = 572 hrs 20 min. = 23.85 days = 76.93 %

" Lost = 171 hrs 40 min = 7.15 days = 23.07 %

AVG HGT OF BANK - 5.0 ft

" DEPTH. = 17.7 "

TOTAL DEPTH. = 22.7 "

SURFACE: $\frac{1955}{1028} \frac{2991}{1036} \frac{4019}{1028} = 1028 \times 17.57 \text{ Sq Yds} = 18,062 \text{ Sq Yds}$

BEDROCK: $\frac{5366}{997} \frac{7518}{11009} \frac{8508}{995} = 996 \times 17.57 \text{ Sq Yds} = 17,500 \text{ Sq Yds}$

2 135562

AVG AREA. 17781 Sq Yds

$\frac{5927}{17781} \times \frac{22.7}{3} = 134,543 \text{ Cu Yds (TOTAL)}$

$\frac{134,543}{31} = 4340 \text{ Cu Yds Per Day Elapsed Time}$

$\frac{134,543}{23.85} = 5641 \text{ Cu Yds Per Day Digging Time}$

Pond Elev - 1834.6

Claims dredged - 55 + 56 Bel. Sulphur.

Surface Area - 3.73 Acres.

Avg. Width Cut - 250 Ft.

Length - 650'

$\frac{18062}{9} = 16258$

$\frac{17500}{9} = 15444$

$\frac{17781}{9} = 16001$

Thawing Writeoff

Block 30 - Remainder

$$= 6358 \text{ Cu.Yds}$$

✓ 31 - ✓

$$= 34451 \quad \checkmark$$

$$\begin{array}{r} \text{Block 33-} \quad \frac{3855}{3709} \quad \frac{4000}{3855} \\ \quad \quad \quad 146 \quad \quad 145 \end{array}$$

$$146 \times 158.1 = 23083 \times \frac{21.7}{27}$$

$$= 18552 \quad \checkmark$$

$$\begin{array}{r} \text{Block 34-} \quad \frac{4332}{4040} \quad \frac{4622}{4332} \\ \quad \quad \quad 292 \quad \quad 290 \end{array}$$

$$291 \times 158.1 = 46007 \times \frac{19.0}{27}$$

$$= 32375 \quad \checkmark$$

$$\text{Total} = 91736$$

$$1940 \text{ thaw} = 40809 \text{ CY}$$

$$1941 \quad \checkmark = 50927 \quad \checkmark$$

$$\text{Total} = 91736 \quad \checkmark$$

Stripping Writeoff

X 290 -

0

$$80 \times 58.56 = 4685 \text{ Cu.Yds.}$$

$$\begin{array}{r} \text{X 291 -} \quad \frac{8291}{8132} \quad \frac{8451}{8291} \\ \quad \quad \quad 159 \quad \quad 160 \end{array}$$

$$189.5 \times \quad \quad = 11097 \quad \checkmark$$

$$\begin{array}{r} \text{X 292 -} \quad \frac{9560}{9341} \quad \frac{9779}{9560} \\ \quad \quad \quad 219 \quad \quad 219 \end{array}$$

$$217.5 \times \quad \quad = 12737 \quad \checkmark$$

$$\begin{array}{r} \text{X 293 -} \quad \frac{0110}{9894} \quad \frac{0326}{0110} \\ \quad \quad \quad 216 \quad \quad 216 \end{array}$$

$$230.5 \times \quad \quad = 13498 \quad \checkmark$$

$$\begin{array}{r} \text{X 294 -} \quad \frac{1443}{1199} \quad \frac{1689}{1443} \\ \quad \quad \quad 244 \quad \quad 246 \end{array}$$

$$\text{Total} = 42017 \quad \checkmark$$

1" = 100

Yardage @ 34.00

Factor 17.57 = Sq Yds

DREDGE No 8

SEPTEMBER 1941.

DREDGE OPERATED 30 days

" DUG = 671 hrs 30 min = 27.98 days = 9326 %

" LOST = 48 " 30 min = 2.02 " = 6.74 %

AVG HGT OF BANK = 2.7 Ft.

" DEPTH = 19.7 "

TOTAL DEPTH = 22.4 "

SURFACE $\frac{9993}{9195} \frac{0792}{9993} = 799 \times 17.57 \text{ Sq Yds} = 14038 \text{ Sq Yds}$

BEDROCK $\frac{2378}{1592} \frac{3943}{3158} = 785 \times 17.57 \text{ Sq Yds} = 13792 \text{ Sq Yds}$

2 $\frac{27830}{13915} \text{ Avg AREA } 13,915 \text{ Sq Yds.}$

$13,915 \times \frac{22.4}{3} = 103,899 \text{ Cu Yds.}$

$\frac{103,899}{30} = 3,463 \text{ Cu Yds Per Day Elapsed Time.}$

$\frac{103,899}{27.98} = 3,713 \text{ " " " Digging Time.}$

Pond Elev - 1832.6

Claims dredged - 55-56 Bel Sulph.

Surface Area - 2.90 Acres

Avg Width Cut - 250 Ft.

Length - 500 Ft.

$\frac{14038}{9} \quad \frac{13792}{9} \quad \frac{13915}{9}$
126342 124128 125235

THAWING WRITEOFF

UNIT N ^o 33	$\begin{array}{r} 7869 \\ 7323 \\ \hline 536 \end{array}$	$\begin{array}{r} 8400 \\ 7869 \\ \hline 531 \end{array}$	$\begin{array}{r} 8937 \\ 8400 \\ \hline 537 \end{array}$	$536 \times 158.1 = 84742 \times \frac{21.7}{27} = 68107 \text{ cu. yds.}$
34	$\begin{array}{r} 9496 \\ 9282 \\ \hline 214 \end{array}$	$\begin{array}{r} 9710 \\ 9496 \\ \hline 214 \end{array}$		$214 \times 158.1 = 33833 \times \frac{19.9}{27} = 23808 \text{ } \checkmark \checkmark$
36	$\begin{array}{r} 9283 \\ 9196 \\ \hline 87 \end{array}$	$\begin{array}{r} 9369 \\ 9283 \\ \hline 86 \end{array}$		$87 \times 158.1 = 13755 \times \frac{23.9}{27} = 12176 \text{ } \checkmark \checkmark$
TOTAL. 104091 Cu. yds				

All 1941 thaw

STRIPPING WRITEOFF

X ^m 289	$\begin{array}{r} 0053 \\ 9666 \\ \hline 387 \end{array}$	$\begin{array}{r} 0431 \\ 0053 \\ \hline 378 \end{array}$	$\begin{array}{r} 0812 \\ 0431 \\ \hline 381 \end{array}$	$385.5 \times 58.56 = 22575 \text{ Cu. yds.}$
X ^m 290	$\begin{array}{r} 0957 \\ 0566 \\ \hline 391 \end{array}$	$\begin{array}{r} 1348 \\ 0957 \\ \hline 391 \end{array}$		$345 \times 58.56 = 20203 \text{ } \checkmark \checkmark$
X ^m 291	$\begin{array}{r} 1665 \\ 1365 \\ \hline 300 \end{array}$	$\begin{array}{r} 1963 \\ 1665 \\ \hline 298 \end{array}$		$149.5 \times 58.56 = 8755 \text{ Cu. yds}$
X ^m 292	0			TOTAL 51,533

G.G.F.

Pond Eler - 1830.5'
 Claims dredged - 16 Bel Sulph.
 Surface Area - 3.04
 Avg Width Cut - 250'
 Length - 640'

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

DREDGE N^o 8

OCTOBER 1941

DREDGE OPERATED 31 DAYS.

DUG 688 Hrs. 10 Min. = 28.67 Days = 92.50%

LOST 55 ✓ 50 ✓ = 2.33 ✓ = 7.50%

AVG. HEIGHT of BANK : 4.0 Feet

DEPTH 21.2 ✓
 TOTAL ✓ 25.2 ✓

SURFACE $\frac{1206}{0369}$ $\frac{2047}{1206}$ $\frac{2885}{2047}$ $839 \times 17.57 = 14741$ ✓ Yds ✓
837 ✓ 841 ✓ 838 ✓

BEDROCK $\frac{3674}{2850}$ $\frac{4495}{3674}$ $\frac{5316}{4495}$ $822 \times 17.57 = 14443$ ✓
824 ✓ 821 ✓ 821 ✓

2 (29184) ✓

Avg. Area: 14592 ✓

$14592 \times \frac{25.2}{3} = 122573$ ✓ Cu. Yds. TOTAL.

$\frac{122573}{31} = 3954$ ✓ Cu. Yds. per day. Elapsed Time

$\frac{122573}{28.67} = 4275$ ✓ ✓ ✓ ✓ Running Time

chk'd G.L.F.

$\frac{14741}{9}$ $\frac{14443}{9}$ $\frac{14592}{9}$
 132669 129987 131378

158.1

Thawing Writcott

$$\text{Block 33} - 46 \times 158.1 = 7273 \text{ Sq. Ft.} \times \frac{21.7}{27} = 5845 \text{ Cu. Yds.} \checkmark$$

1941 Thaw

Stripping Writcott

$$\text{Between 289-290} = 3366 \text{ Cu. Yds.} \checkmark$$

Scale 1" = 100'

Fac. 17.57 = 39 Yds.

Vernier @ 34.0

DREDGE N° 8.

NOVEMBER 1941.

Dredge shut down Nov. 3 - 7:30 pm.

For Last Time Nov 4 - 7:00 AM.

DREDGE OPERATED 3 days.

" Dug = 57 hrs 00 min = 2.37 days = 79.17%.

15 hrs 00 min = 0.63 days = 20.83%.

Avg Hgt. of Bank = 5.0 Ft. ✓

Depth = 20.0 Ft. ✓

Total Depth = 25.0 " ✓

$$\text{Avg. Area} = \frac{2075}{1982} \frac{2073}{2025}$$

$$\frac{2073}{2025}$$

$$46 \times 17.57 = 808 \text{ Sq Yds}$$

$$808 \times \frac{25.0}{3} = 6733 \text{ Cu. Yds.}$$

$$\frac{6733}{3} = 2244 \text{ Cu. Yds per day elapsed time}$$

$$\frac{6733}{2.37} = 2841 \text{ ✓ } \text{--- running ---}$$

GGF.

Claims dredged - 56 Bel. Sulph

Surface Area - 0.17 Acres

Avg. Width Cut - 240'

Length - 30'

$$\begin{array}{r} 4840 / 8080 \quad 0.17 \\ 4840 \\ \hline 32400 \\ 33880 \end{array}$$

$$\begin{array}{r} 808 \\ 9 \\ \hline 7272 \end{array}$$

158.1

THAWING WRITE OFF

$$\text{BLOCK 32} = \frac{7832}{27} - \frac{7859}{27} = 27 \times 158.1 \times \frac{23}{27} = 3636 \text{ cu. yds}$$

$$\text{BLOCK 35} = \frac{7868}{9} - \frac{7877}{9} = 9 \times 158.1 \times \frac{8.6}{27} = 1360 \checkmark \checkmark$$

$$\text{BLOCK 36} = \frac{7866}{5} - \frac{7871}{5} = 5 \times 158.1 \times \frac{23.9}{27} = 700 \checkmark \checkmark$$

$$\text{BLOCK 33} = \text{REMAINDER} = \frac{3944}{9640} \text{ cu yds}$$

TOTAL

Stripping Writeoff

$$\begin{array}{r} 289 \\ 3936 \\ \underline{3881} \\ 55 \end{array} \quad \begin{array}{r} 3991 \\ 3936 \\ \underline{55} \end{array}$$

$$63 \times 18.56 = 3689 \text{ cu. yds.}$$

$$\begin{array}{r} 290 \\ 4216 \\ \underline{4144} \\ 72 \end{array} \quad \begin{array}{r} 4296 \\ 4216 \\ \underline{80} \end{array}$$

$$64.5 \times 18.56 = 3777 \checkmark \checkmark$$

$$\begin{array}{r} 291 \\ 4353 \\ \underline{4296} \\ 57 \end{array} \quad \begin{array}{r} 4411 \\ 4353 \\ \underline{58} \end{array}$$

$$29 \times 18.56 = 1698 \checkmark \checkmark$$

$$\begin{array}{r} 292 \\ 0 \end{array}$$

$$\text{Total} = 9164 \checkmark \checkmark$$

Dredge No 8

April 1942

1" = 100'
 Fac = 17.57
 = Sq. Yds

Started operating Apr 25 - 12 noon
 Last time starts Apr. 25 - 7:00 AM.

Dredge operated 6 days

dig 127 hrs 45 min = 5.32 days = 88.72 %
 lost 16 - 15 - = 0.68 - = 11.28 %

Avg Hgt Bank = 4.8 Ft

Depth = 19.4 -

Total = 24.2 -

Surface

6432
 6361
 71

6509
 6432
 77

= 74 x 17.57 = 1300
 1272 Sq. Yds

BEDROCK =

6578
 6509
 69

6649
 6578
 71

= 70 x 17.57 = 1230 -
 2/2442 -

Ave Area = 1221

1265
 1221 x 24.2 = 10204
 3 = 9849 Cu Yds

10204
 9849 = 1701
 6 = 1642 Cu. Yds PER DAY ELAPSED TIME

10204
 9849 = 1918
 5.32 = 1851 Cu. Yds DIGGING TIME

POND ELEVATION = 1832.2

CLAIMS DREDGED = 56 BELOW SULPHUR

SURFACE AREA = 0.29 ACRES

Ave Width Cut = 250'

Length = 46'

1300
 9
 11700

1230
 9
 11070

1265
 9
 11385

THAWING WRITE OFF

REMAINDER UNIT 32 = 48538 Cu Yds

UNIT 35 $\frac{0630}{9922} \frac{1331}{0630} = 705 \times 158.1 \times \frac{25.8}{27} = 106507 \text{ Cu Yds}$

TOTAL WRITE OFF = 155045 Cu. Yds

STRIPPING WRITE OFF

X-286 = 0

X-287 = $\frac{8130}{7378} \frac{8880}{8130} = 751$ 375 x 58.56 = 21960 Cu. yds

X-288 = $\frac{0000}{9364} \frac{0631}{0000} = 633$ 692 x 58.56 = 40524

X-289 = $\frac{1459}{0753} \frac{2163}{1459} = 705$ 669 x 58.56 = 39177

X-290 = $\frac{2540}{1794} \frac{3290}{2540} = 748$ 727 x 58.56 = 42573

X-291 = $\frac{4494}{3786} \frac{5208}{4494} = 711$ 730 x 58.56 = 42749

X-292 = 0 355 x 58.56 = 20789

TOTAL WRITE OFF = 207,772

J.C.C.

Scale 1" = 100'

Fac. 17.57

= sq. yds.

DREDGE N^o 8

MAY 1942

Dredge operated 31 Days.

dug 682 Hrs 0 min. = 28.42 Days = 91.67% ✓
lost 62 ✓ 0 min. = 2.58 ✓ = 8.33% ✓

Avg. Height of Bank = 7.3 Feet -

Depth = 18.1 ✓ ✓

Total = 25.4 ✓ ✓

Surface: $\frac{5775}{4874} \frac{6671}{5775} \frac{7570}{6671} = 898 \times 17.57 = 15778$ Sq Yds
901 896 899

Bedrock: $\frac{8413}{7541} \frac{9281}{8413} = 872 \times 17.57 = 15321$ Sq Yds
872 868

Ave Area = 15549 Sq Yds.

$\frac{15532}{15549} \times \frac{25.4}{3} = 131648$ TOTAL CU. YDS

$\frac{131648}{31} = 4247$ CU YDS PER DAY ELAPSED TIME

$\frac{131648}{28.42} = 4632$ CU. YDS PER DAY DIGGING TIME

POND ELEV = 1832.3 ✓

CLAIMS DREDGED = 56257 B.D. SULAHR ✓

SURFACE AREA = 3.26 ACRES ✓

AV. WIDTH OF CUT = 250' ✓

✓ LENGTH ✓ = 600' ✓

J.C.C.

$\frac{15778}{9} \quad \frac{15786}{9} \quad \frac{15732}{9}$
14200 ✓ 137574 139788

THAWING WRITE OFF

$$\text{UNIT 34} \quad \frac{6434}{6409} \quad \frac{6462}{6438} = 24 \times 158.1 \times \frac{19}{27} = 2670 \text{ Cu Yds}$$

$$\text{UNIT 35} \quad \frac{6910}{6757} \quad \frac{7060}{6910} = 152 \times 158.1 \times \frac{25.8}{27} = 22963 \checkmark \checkmark$$

$$\text{UNIT 36} \quad \frac{7603}{6886} \quad \frac{8314}{7603} = 714 \times 158.1 \times \frac{23.9}{27} = 99923 \checkmark \checkmark$$

$$\text{TOTAL WRITE OFF} = 125,556 \checkmark \text{ Cu. Yds}$$

STRIPPING WRITE OFF

$$X-286 = 0$$

$$= 232 \times 58.56 = 13586 \text{ Cu. Yds}$$

$$X-287 = \frac{9260}{8792} \quad \frac{9720}{9260} = 464$$

$$= 497 \times 58.56 = 29104 \checkmark \checkmark$$

$$X-288 = \frac{8241}{7710} \quad \frac{8772}{8241} = 531$$

$$= 486 \times 58.56 = 28460 \checkmark \checkmark$$

$$X-289 = \frac{9372}{8932} \quad \frac{9801}{9372} = 441$$

$$\text{TOTAL WRITE OFF} = 71,150 \checkmark \text{ Cu Yds}$$

SCALE 1" = 100'

FACTOR - 17.57

= SQ YDS

DREDGE N° 8

JUNE 1942

Dredge operated 30 Days

dug 663 Hrs. 20 min. = 27.64 Days = 92.13%

lost 56 - 40 - 2.36 - 7.87%

Avg. Height of Bank = 3.8 Feet

Depth = 21.2 -

Total = 25.0 -

Surface:

2668 3560 4450
1778 2668 3560
890 892 890

= 890 x 17.57 = 15637 SQ YDS

Bedrock:

5293 6177 1062
4411 5293 6177
882 884 885

= 884 x 17.57 = 15532 -

AVE AREA =

2 / 31169

15584 SQ YDS

15584 x 25.0 = 129867 TOTAL CU YDS

129867
30

= 4329 CU YDS PER DAY ELAPSED TIME

129867
27.64

= 4699 CU YDS DIGGING

POND ELEV. = 1828.4

CLAIMS DREDGED = 56 & 57 B.D. SULPHUR.

SURFACE AREA = 3.23 ACRES

AV. WIDTH OF CNT = 245'

* LENGTH = 585'

15637
9

140733

15532
9

139788

15584
9

140256

Thawing Write off

Unit # 34	$\begin{array}{r} 8449 \\ 7792 \\ \hline 657 \end{array}$	$\begin{array}{r} 9092 \\ 8449 \\ \hline 643 \end{array}$	$\begin{array}{r} 9743 \\ 9092 \\ \hline 651 \end{array}$	$\begin{array}{r} 0396 \\ 9743 \\ \hline 653 \end{array}$	$= 652 \times 158.1 \times \frac{19.0}{27} = 72532$
✓ " 36	$\begin{array}{r} 0465 \\ 0389 \\ \hline 76 \end{array}$	$\begin{array}{r} 0540 \\ 0465 \\ \hline 75 \end{array}$			$= 76 \times 158.1 \times \frac{23.9}{27} = 10635$
✓ " 38	$\begin{array}{r} 0874 \\ 0578 \\ \hline 296 \end{array}$	$\begin{array}{r} 1172 \\ 0874 \\ \hline 298 \end{array}$			$= 297 \times 158.1 \times \frac{22.4}{27} = 38956$

TOTAL WRITE OFF = 122123

Stripping Writeoff

X ^m Line # 284	$\begin{array}{r} 4280 \\ 4091 \\ \hline 189 \end{array}$	$\begin{array}{r} 4466 \\ 4280 \\ \hline 186 \end{array}$	$= 188$	
✓ " 285	$\begin{array}{r} 3830 \\ 3578 \\ \hline 252 \end{array}$	$\begin{array}{r} 4078 \\ 3830 \\ \hline 248 \end{array}$	$= 250$	$= 219 \times 58.56 = 12825$
✓ " 286	$\begin{array}{r} 1813 \\ 1580 \\ \hline 233 \end{array}$	$\begin{array}{r} 2051 \\ 1813 \\ \hline 238 \end{array}$	$\begin{array}{r} 2290 \\ 2051 \\ \hline 239 \end{array}$	$= 244 \times 58.56 = 14289$
✓ " 287	$\begin{array}{r} 2136 \\ 2056 \\ \hline 80 \end{array}$	$\begin{array}{r} 2218 \\ 2136 \\ \hline 82 \end{array}$	$= 81$	$160 \times 58.56 = 9370$
✓ " 288	$\begin{array}{r} 2149 \\ 2063 \\ \hline 86 \end{array}$	$\begin{array}{r} 2236 \\ 2149 \\ \hline 87 \end{array}$	$= 87$	$84 \times 58.56 = 4919$
✓ " 289	$\begin{array}{r} 2335 \\ 2247 \\ \hline 88 \end{array}$	$\begin{array}{r} 2424 \\ 2335 \\ \hline 89 \end{array}$	$= 89$	$88 \times 58.56 = 5153$

TOTAL WRITE OFF = 46556

Scale 1" = 100'
Fac. 17.57

Dredge No 8

JULY 1942

Dredge operated 31 Days.

✓ dug 689 Hrs - 10 MINS = 28.72 DAYS = 92.63%
✓ lost 54 ✓ - 50 ✓ - 2.28 ✓ = 7.37%

Avg. Height of Bank = 2.3 Ft.

✓ Depth = 21.3 -

Total ✓ : 23.6 ✓

SURFACE = $\frac{1097}{1028} \frac{2121}{1024} = 1026 \times 17.57 = 18027 \checkmark$ sq Yds

BED ROCK = $\frac{3079}{2089} \frac{4068}{3079} = 990 \times 17.57 = 17394 \checkmark$ - -

AVE AREA = $\frac{2 \mid 35421}{17710 \checkmark}$ sq Yds

$17710 \times \frac{23.6}{3} = 139319$ TOTAL CU. YDS.

$\frac{139319}{31} = 4494 \checkmark$ CU. YDS PER DAY ELAPSED TIME

$\frac{139319}{28.72} = 4851 \checkmark$ - - - - - DIGGING ✓

POND ELEV - 1846.6

CLAIMS DREDGED - 56-57 BELOW ON SULPHUR

SURFACE AREA = 3.66 ACRES 3.7 ✓

AV. WIDTH OF CUT = 250

✓ LENGTH OF ✓ = 610

18027	17394	17710
9	9	9
162243	156546	159390

THAWING WRITEOFF

UNIT # 35	$\begin{array}{r} 6697 \\ 6382 \\ \hline 115 \end{array}$	$\begin{array}{r} 6812 \\ 6697 \\ \hline 115 \end{array}$	$= 115 \times 158.1 \times \frac{26.8}{27} = 17372 \text{ Cu Yds}$
36	Remainder		$= 15878$
37	$\begin{array}{r} 7349 \\ 6954 \\ \hline 395 \end{array}$	$\begin{array}{r} 7742 \\ 7349 \\ \hline 393 \end{array}$	$= 394 \times 158.1 \times \frac{26.2}{27} = 60440$
38	$\begin{array}{r} 7703 \\ 7399 \\ \hline 304 \end{array}$	$\begin{array}{r} 8005 \\ 7703 \\ \hline 302 \end{array}$	$= 303 \times 158.1 \times \frac{22.4}{27} = 39739$
THAWING WRITEOFF			$= 133429$

STRIPPING WRITEOFF

X~Line # 284	$\begin{array}{r} 0084 \\ 9418 \\ \hline 666 \end{array}$	$\begin{array}{r} 0750 \\ 0084 \\ \hline 666 \end{array}$	$\begin{array}{r} 1414 \\ 0750 \\ \hline 664 \end{array}$	$= 665$	$= 683 \times 58.56 = 39996 \text{ Cu Yds}$
285	$\begin{array}{r} 3119 \\ 2422 \\ \hline 697 \end{array}$	$\begin{array}{r} 3823 \\ 3119 \\ \hline 704 \end{array}$	$\begin{array}{r} 4524 \\ 3823 \\ \hline 701 \end{array}$	$= 701$	$= 754 \times 58.56 = 44154$
286	$\begin{array}{r} 7230 \\ 6427 \\ \hline 803 \end{array}$	$\begin{array}{r} 8039 \\ 7230 \\ \hline 809 \end{array}$	$\begin{array}{r} 8846 \\ 8039 \\ \hline 807 \end{array}$	$= 807$	$= 403.5 \times 58.56 = 23629$
287	0		= 0		
STRIPPING WRITEOFF					$= 107779$

SCALE 1" = 100'

FACTOR - 17.57 = SQ Yds

VERNIER AT 34

DREDGE N°8

AUGUST 1942

DREDGE OPERATED 31 DAYS

✓ DUG 695 Hrs 10 Mins = 28.97 DAYS = 93.44%

✓ Lost 48 ✓ 50 ✓ = 2.03 ✓ = 6.56%

AVE HEIGHT OF BANK = 5.8 FT.

✓ DEPTH = 18.4 ✓

TOTAL DEPTH = 24.2 ✓

SURFACE — $\frac{3786}{2873} \frac{4699}{3786}$
913 913

913 X 17.57 = 16041 SQ Yds.

BEDROCK — $\frac{5581}{4672} \frac{6490}{5581}$
909 909

909 X 17.57 = 15971 ✓ ✓

2 | 32012 ✓ ✓

AVE AREA = 16006 SQ Yds

16006 X 24.2 = 129115 CU. Yds TOTAL

129115 = 4165 CU Yds PER DAY ELAPSED TIME

31
129115 = 4165 ✓ ✓ ✓ ✓ DIGGING ✓
28.97

POND ELEVATION = 1827.7

CLAIMS DREDGED = 57 BELOW DISC SULPHUR CR.

SURFACE AREA = 3.31 ACRES

AVE WIDTH OF CUT = 260 FT.

✓ LENGTH ✓ ✓ = 550 ✓

16041 15971 16006
9 9 9
144369 143739 144054

THAWING WRITEOFF

UNIT #35	Remainder	=	18016 Cu Yds
✓ #37	Do.	=	90614 ✓
✓ #38	$\begin{array}{r} 4680 \\ 4416 \\ \hline 184 \end{array}$ $\begin{array}{r} 4863 \\ 4680 \\ \hline 183 \end{array}$	$183 \times 158.1 \times \frac{22.4}{27} = 24003 \quad \checkmark \quad \checkmark$	
1942 { ✓ #39	$\begin{array}{r} 5320 \\ 4936 \\ \hline 384 \end{array}$ $\begin{array}{r} 5704 \\ 5320 \\ \hline 384 \end{array}$	$384 \times 158.1 \times \frac{22.7}{27} = 51042 \quad \checkmark \quad \checkmark$	
✓ #40	$\begin{array}{r} 5826 \\ 5710 \\ \hline 116 \end{array}$ $\begin{array}{r} 5941 \\ 5826 \\ \hline 115 \end{array}$	$116 \times 158.1 \times \frac{23.2}{27} = 15758 \quad \checkmark \quad \checkmark$	

WRITE OFF = ~~132737~~ Cu. Yds

STRIPPING WRITEOFF

X= Line # 281 - 0

0

199433
 66800 - 1942
 132633 - 1941

✓	282	$\begin{array}{r} 7238 \\ 6378 \\ \hline 860 \end{array}$ $\begin{array}{r} 8102 \\ 7238 \\ \hline 864 \end{array}$	862	$431 \times 58.56 = 25239 \quad \checkmark$
✓	283	$\begin{array}{r} 2598 \\ 1402 \\ \hline 1196 \end{array}$ $\begin{array}{r} 1402 \\ 0205 \\ \hline 1197 \end{array}$	1197	$1029.5 \times 58.56 = 60288 \quad \checkmark$
✓	284	$\begin{array}{r} 3150 \\ 2028 \\ \hline 1122 \end{array}$ $\begin{array}{r} 4272 \\ 3150 \\ \hline 1122 \end{array}$	1122	$1159.5 \times 58.56 = 67900 \quad \checkmark$
✓	284	$\begin{array}{r} 4746 \\ 4272 \\ \hline 474 \end{array}$ $\begin{array}{r} 5232 \\ 4746 \\ \hline 486 \end{array}$ $\begin{array}{r} 5715 \\ 5232 \\ \hline 483 \end{array}$	484	$441 \times 58.56 = 25825 \quad \checkmark$
✓	285	$\begin{array}{r} 6654 \\ 6257 \\ \hline 397 \end{array}$ $\begin{array}{r} 7052 \\ 6654 \\ \hline 398 \end{array}$	398	$383 \times 58.56 = 22428 \quad \checkmark$
✓	286	$\begin{array}{r} 8222 \\ 7852 \\ \hline 370 \end{array}$ $\begin{array}{r} 8589 \\ 8222 \\ \hline 367 \end{array}$	368	
✓	287			WRITE OFF = 201680 Cu. Yds

Scale 1" = 100'

DREDGE N^o 8

SEPTEMBER 1942

Fac. 17.57^o Sq. yds.

VERNIER 34

DREDGE OPERATED 30 Days

DUG = 664 Hrs 20 min = 27.68 days = 92.27%

LOST 55 - 40 = 2.32 = 7.73%

AVG. HEIGHT OF BANK = 3.8 Feet

DEPTH

17.9

TOTAL

21.7

SURFACE

4515	5769	7016	8269
3271	4515	5769	7016
1244	1254	1247	1253

1251 x 17.57 = 21980

BEDROCK

1971	3202
8741	1971
1230	1231

1231 x 17.57 = 21629

2 | 43609

Avg AREA = 21805

21805 x $\frac{21.7}{3}$ = 157723 TOTAL CU. YDS.

$\frac{157723}{30}$

=

5257

CU YDS PER DAY ELAPSED TIME

$\frac{157723}{27.68}$

=

5698

DIGGING TIME

POND ELEVATION = 1826.9

CLAIMS DREDGED = 57258 BELOW SULPHUR

SURFACE AREA = 4.54 ACRES

AV. WIDTH OF CUT = 250 FT.

✓ LENGTH ✓ ✓ = 800 ✓

21980

9

197840

21629

9

194661

21805

9

196245

THAWING WRITE OFF

$$\begin{array}{rcl}
 \text{UNIT } 34 - \text{REMAINDER} & = & 10970 \text{ Cu. Yds} \\
 \checkmark \quad 38 - & = & 27907 \checkmark \checkmark \\
 \checkmark \quad 40 - \frac{6439}{615} \frac{7058}{619} = 617 \times 158.1 \times \frac{23.2}{27} = 83819 \checkmark \checkmark & \text{1942 THAW} &
 \end{array}$$

$$\text{WRITE OFF} = 122696 \checkmark \text{ Cu. Yds.}$$

STRIPPING WRITE OFF

$$\begin{array}{rcl}
 \text{X-LINE } 279 - \frac{5112}{5053} \frac{5170}{5112} = 59 & = & 78 \times 58.56 = 4568 \text{ Cu. Yds} \\
 \checkmark \quad \checkmark \quad 280 \quad \frac{4728}{4629} \frac{4823}{4728} = 97 & = & 98.5 \times 58.56 = 5739 \checkmark \checkmark \\
 \checkmark \quad \checkmark \quad 281 \quad \frac{5643}{5543} \frac{5742}{5643} = 100 & = & 139 \times 58.56 = 8140 \checkmark \checkmark \\
 \checkmark \quad \checkmark \quad 282 \quad \frac{6170}{5993} \frac{6249}{6170} = 178 & = & 189 \times 58.56 = 11068 \checkmark \checkmark \\
 \checkmark \quad \checkmark \quad 283 \quad \frac{6663}{6462} \frac{7058}{6858} = 200 & = & 196 \times 58.56 = 11478 \checkmark \checkmark \\
 \checkmark \quad \checkmark \quad 284 \quad \frac{8107}{7916} \frac{8300}{8107} = 192 & &
 \end{array}$$

$$\text{WRITE OFF} = 40.993 \checkmark \text{ Cu. Yds}$$

SCALE 1" = 100'

FACTOR = 17.57 = SQ Yds

VERNIER @ 34

DREDGE N° 8

OCTOBER 1942

DREDGE OPERATED - 31 DAYS

✓ DUG = 692 Hrs 0 Mins = 28.83 DAYS = 93.01 %

✓ LOST = 52 ✓ = 2.17 ✓ = 6.99 %

AVE HEIGHT OF BANK = 2.1 FT.

✓ DEPTH = 21.5 ✓

TOTAL ✓ = 23.6 ✓

SURFACE = $\frac{1765}{0804} \frac{3681}{9601} \quad 960 \times 17.57 = 16867 \text{ SQ. Yds}$

BED ROCK = $\frac{4677}{3683} \frac{6503}{9371} \quad 938 \times 17.57 = 16481 \text{ SQ. Yds}$

2 | 33348
AVE AREA = 16674 SQ Yds

5559
+ 16674 x 23.6 = 131169 TOTAL CU. Yds

$\frac{131169}{31} = 4231 \text{ CU. Yds PER DAY ELAPSED TIME}$

$\frac{131169}{28.83} = 4550 \quad \checkmark \quad \checkmark \quad \checkmark \quad \checkmark \quad \text{DIGGING} \quad \checkmark$

POND ELEVATION = 1822.5'

CLAIMS DREDGED = 57258 BELOW DISC SULPHUR CR

SURFACE AREA = 3.48 ACRES ✓

AV. WIDTH OF CUT = 250 FT ✓

✓ LENGTH ✓ ✓ = 625 ✓ ✓

$\frac{16867}{9}$	$\frac{16481}{9}$	$\frac{16674}{9}$
151803	148329	150066

UNIT #	7265 7160 105	7440 7385 105	
40			$= 105 \times 158.1 \times \frac{23.2}{27} = 14264 \text{ CW. YDS.}$
42	7849 7828 21	7869 7849 20	$= 20 \times 158.1 \times \frac{24.1}{27} = 2822$
			TOTAL 17086

TOTAL. 17086

1942 Thaw

TOTAL. 4334 ✓ Cu. YDS

Scale 1" = 100'

DREDGE No 8

NOVEMBER 1942

Fac. 17.57 Sq. yds.

Vernier at 34

Shut down for season Nov. 6-8:00 AM

DREDGE OPERATED 5 DAYS - For Lost Time Nov. 6-7:00 AM

DUG 111 hrs 20 min = 4.64 days = 92.78%

LOST 8 - 40 - = 0.36 - = 7.22%

AVG HEIGHT of BANK : 2.0 ft

DEPTH : 23.0 -

TOTAL - : 25.0 -

SURFACE: $\frac{6790}{6672} \div 118$

$\frac{6907}{6790} \div 117$

$118 \times 17.57 = 2073 \text{ Sq. Yds.}$

BEDROCK: $\frac{7024}{6907} \div 114$

$\frac{7135}{7021} \div 114$

$114 \times 17.57 = 2003$
 $\sqrt{4076}$

Avg Area = 2038 ✓ ✓

$\frac{2038 \times 25.0}{3} = 16983 \text{ Cu. Yds.}$

$\frac{16983}{5} = 3397 \text{ Cu. Yds. per day elapsed time}$

$\frac{16983}{4.64} = 3660 \text{ - - - - - running}$

Pond Elevation 1844.5

Claims dredged 58 Below Sulphur

Surface area 0.43 Acres

Avg. Width Cut 250 ft

Length 65 -

$\frac{2073}{9}$	$\frac{2003}{9}$	$\frac{2038}{9}$
18657	18027	18342

Thawing Writeoff

✓ UNIT 40 = REMAINDER = 41159 ✓ Cu. Yds

✓ UNIT 42 = $\frac{3527}{3509} \div \frac{3547}{3527} \div \frac{19 \times 17.57 \times 24.1}{3}$ = 2682 ✓ ✓ ✓

TOTAL = 43841 ✓

Stripping Writeoff

✓ $X^N - 279 = \frac{6325}{6205} \div \frac{6491}{6345} = 143$ ✓ ✓
 $X^N -$ 149 X 58.56 = 8725 ✓ Cu. Yds

✓ $X^N - 280 = \frac{7455}{7300} \div \frac{7610}{7455} = 155$ ✓ ✓
 167 X 58.56 = 9780 ✓ ✓ ✓

✓ $X^N - 281 = \frac{8644}{8467} \div \frac{8823}{8640} = 178$ ✓ ✓
 89 X 58.56 = 5212 ✓ ✓ ✓

✓ $X^N - 282 = 0$

TOTAL STRIPPING WRITE OFF = 23,717 ✓ Cu. Yds

$$1^{\text{st}} = 100'$$

$$\text{Fac} = 17.57$$

$$= 59.445.$$

Dredge No 8

May 1946

Dredge started operating May 14-4:00 pm.

Last Time starts May 14-7:00 AM

Dredge operated 18 days.

$$\text{dug } 367 \text{ hrs } 30 \text{ min} = 15.31 \text{ days} = 8.07.$$

$$\text{lost } 64 \text{ } 30 \text{ } = 2.69 \text{ } = 14.93$$

$$\text{Avg Hgt. Bank} = 4.5 \text{ ft.}$$

$$\text{Depth} = 21.5$$

$$\text{Total} = 26.0$$

Surface

$$\begin{array}{r} 2297 \\ 1985 \\ \hline 312 \end{array} \quad \begin{array}{r} 2599 \\ 2297 \\ \hline 302 \end{array} \quad \begin{array}{r} 2902 \\ 2599 \\ \hline 303 \end{array} = 303 \times 17.57 = 5324 \text{ Sq. Yds}$$

Bedrock

$$\begin{array}{r} 3175 \\ 2861 \\ \hline 314 \end{array} \quad \begin{array}{r} 3488 \\ 3175 \\ \hline 313 \end{array} = 314 \times 17.57 = 5517$$

$$\begin{array}{r} 5517 \\ 2 \overline{) 10841} \\ \hline 5420 \end{array}$$

Ave AREA

5420

$$\frac{5420 \times 26}{3} = 46973 \text{ TOTAL Cu. Yds}$$

$$\frac{46973}{18} = 2610 \text{ Cu. Yds PER DAY ELAPSED TIME}$$

$$\frac{46973}{15.31} = 3068 \text{ DIGGING}$$

$$\text{POND ELEV} = 1821.2$$

$$\text{CLAIMS DREDGED} = 58 \text{ BELOW SULPHUR}$$

$$\text{SURFACE AREA} = 1.10 \text{ ACRES.}$$

$$\text{AVE WIDTH OF CUT} = 235 \text{ FT}$$

$$\text{LENGTH} = 195$$

$$\begin{array}{r} 5324 \\ 9 \\ \hline 47916 \end{array}$$

$$\begin{array}{r} 5517 \\ 9 \\ \hline 49653 \end{array}$$

$$\begin{array}{r} 5420 \\ 9 \\ \hline 48780 \end{array}$$

THAWING WRITE-OFF.

Block 39
(22.7)

$$\begin{array}{r} 1456 \quad 1991 \\ 0918 \quad 1456 \\ \hline 838 \quad 535 \end{array}$$

$$(537)(17.57) = 9435 \text{ sq. yds}$$

$$\frac{9435(22.7)}{3}$$

$$= 71392 \text{ cu. yds.}$$

Block 41
(22.6)

$$\begin{array}{r} 2122 \quad 2253 \\ 1991 \quad 2122 \\ \hline 131 \quad 131 \end{array}$$

$$131(17.57) = 2302 \text{ sq. yds}$$

$$\frac{2302(22.6)}{3}$$

$$= 17342 \text{ cu. yds.}$$

TOTAL.

$$\frac{85400 \text{ cu. yds.}}{88734}$$

STRIPPING WRITE-OFF.

X282

2/3 Remainder

=

$$22622 \text{ Cu. Yds.}$$

281

-

=

$$41772$$

-

280

-

=

$$42746$$

-

279

Total

$$107140$$

DREDGE 8.

JUNE 1946

1" = 100'

Fac. = 17.57

= 50 yds.

Dredge operated 30 days

dug 664 hours 05 min = 27.67 days = 92.23%

lost 55 hours 55 min = 2.33 days = 7.77%

Av. ht. of bank = 3.4 ft.

depth = 19.6 ft.

Total depth = 23.0 ft.

<u>Surface</u>	1782	2459		
	1107	1782		
	675	677	676 (17.57) =	11877
				11807
				50 yds

<u>Bedrock</u>	5167	4494		
	4494	3823		
	673	671	672 (17.57) =	11807
				11877
				2 23684
				50 yds

Av. Area. 11842 ✓ 50 yds.

(11842) 23	=	90,789 ✓	TOTAL Cu. Yds.
3			

90,789	=	3026 ✓	Cu. Yds per day elapsed time
30			

90,789	=	3281 ✓	Cu yds. per. day digging time
27.67			

Pond elev. = 1822.0

Claims dredged = 58 Bel Sulphur.

Surface area = 2.45 Acres.

Av. width of cut = 260 Ft

length = 420

11877	11807	11842
9	9	9
106893	106263	106578

Thawing Writeoff

Block 39		Remainder.	=	23166	cu. yds.
Block 41	$\frac{1289}{688}$	$\frac{1977}{688}$	$(688) 17.57 \left(\frac{22.6}{3} \right) =$	91064	cu. yds.
Block 42	$\frac{5309}{332}$	$\frac{6246}{332}$	$(335) 17.57 \left(\frac{24.1}{3} \right) =$	<u>47284</u>	cu. yds.
Total				161514	cu. yds.

Stripping Writeoff

X ⁰ 282		Remainder.	=	11312	cu. yds. ✓
✓ 281		✓	=	20887	✓ ✓ ✓
✓ 280		✓	=	21372	✓ ✓ ✓
✓ 279	$\frac{4}{5}$	of Total	=	61067	✓ ✓ ✓
✓ 278	$\frac{4}{5}$	of Total	=	63218	✓ ✓ ✓
✓ 277	$\frac{1}{10}$	of Total	=	<u>62981</u>	✓ ✓ ✓
✓ 276					
Total Stripping				240837	cu. yds.
				185729	✓

1" = 100'

Dredge No. 8

July 1946

Fac = 17.57
= 39.4 ds.

Dredge operated 31 days

dig 672 hrs 55 min = 28.04 days = 90.45%

lost 71 - 05 = 2.96 = 9.55%

Avg Hgt Bank = 3.2 ft.

Depth = 17.5

Total = 20.7

Surface $\begin{array}{r} 4114 \\ 2243 \\ \hline 1166 \end{array}$ $\begin{array}{r} 5278 \\ 4114 \\ \hline 1164 \end{array}$

1165 (17.57) =

20469 sq. yds.

Bedrock $\begin{array}{r} 6581 \\ 5424 \\ \hline 1157 \end{array}$ $\begin{array}{r} 7734 \\ 6581 \\ \hline 1153 \end{array}$

1155 (17.57) =

20293 sq. yds.

2) 40762

Av. Area

20381 sq. yds

$\begin{array}{r} 20381 \\ 6.9 \\ \hline 3 \end{array}$

140629 cu. yds Total.

$\begin{array}{r} 140629 \\ 31 \\ \hline \end{array}$

4536 cu. yds. per day elapsed time

$\begin{array}{r} 140629 \\ 28.04 \\ \hline \end{array}$

5015 cu. yds. per day digging time.

Pond elev. = 1819.4'

Claims dredged = 58 below Sulphur.

Surface Area = 4.23 acres.

Av. width of cut = 230 ft.

length = 720 ft.

20469	20293	20381
9	9	9
184221	182637	182439
		183429

Thawing Whiteoff

Block	$\frac{42}{(24.1)}$	$\frac{9218}{8710}$ 508	$\frac{9729}{9218}$ 511	$509 \times 17.57 \times \frac{24.1}{3}$	$= 71892$ sq yds
-	$\frac{44}{(24.9)}$	$\frac{0020}{9729}$ 491	$\frac{0614}{0320}$ 294	$292 \times 17.57 \times \frac{24.9}{3}$	$= 42579$ ✓
				Total	$= 114471$ ✓

Stripping Whiteoff

279	-	Remainder	=	15267	-	sq yds
278	-	✓	=	15804	✓	✓
277	-	$\frac{1}{3}$	=	23618	✓	✓
276	-	$\frac{1}{3}$	=	23847	✓	✓
275	-	$\frac{1}{4}$	=	16328	✓	✓
274				Total =	96864	✓
					94864	✓

Dredge No 8

Aug. 1946

1" = 100'

Fac = 17.57

= sq. yds.

Dredge operated 31 days

avg 683 hrs. 25 min. = 28.48 days = 91.86%

lost 60 - 35 - = 2.52 - = 8.14%

Aug. Hgt. Bank = 2.9 Ft.

Aug. Depth = 21.1 -

Total = 24.0 ✓

Surface $\begin{array}{r} 6521 \\ 5659 \\ \hline 862 \end{array}$ $\begin{array}{r} 7384 \\ 6521 \\ \hline 863 \end{array}$

863 X 17.57 = 15163 sq. yds.

Bedrock $\begin{array}{r} 8190 \\ 7394 \\ \hline 846 \end{array}$ $\begin{array}{r} 9033 \\ 8190 \\ \hline 843 \end{array}$

845 X 17.57 = 14847 sq. yds.

2130010

Aug. Area 15005 ✓ sq. yds.

$\begin{array}{r} 15005 \times 8.0 \\ 3 \end{array}$ = 120040 Cu. yds.

$\begin{array}{r} 120040 \\ 31 \end{array}$ = 3872 ✓ cu. yds. per day elapsed time

$\begin{array}{r} 120040 \\ 28.48 \end{array}$ = 4215 ✓ cu. yds. per day running time

Pond Elev. = 1814.0

Claims dredged = 56-58A58B Below Sulphur

Surface Area = 3.13 Acres ✓

Avg width Cut = 230 Ft.

Length = 530 ✓

$\begin{array}{r} 15163 \\ 9 \\ \hline 136467 \end{array}$ $\begin{array}{r} 14847 \\ 9 \\ \hline 133623 \end{array}$ $\begin{array}{r} 15005 \\ 9 \\ \hline 135045 \end{array}$

Thawing Writeoff

UNIT-42 ✓ = Remainder

9052 ✓ cu. yds.

UNIT-41 ✓ = Remainder

26412 ✓ cu. yds.

UNIT-43 ✓ = $\frac{2716}{775} \frac{3487}{3991}$

= $773 \times 17.57 \times \frac{23.6}{3}$ = 106845 ✓ cu. yds.

UNIT-44 ✓ = $\frac{3565}{78} \frac{3641}{96}$

= $77 \times 17.57 \times \frac{8.3}{3}$ = 11221 ✓ cu. yds.

UNIT-45 ✓ = $\frac{3146}{55} \frac{3201}{55}$

= $55 \times 17.57 \times \frac{6.5}{3}$ = 6279 ✓ cu. yds. - 1946

Total = 159809 ✓ cu. yds.

STRIPPING Writeoff

X ²	✓	277-276 = Remainder	- $\frac{1}{10}$	= 42512 ✓	cu. yds.
	✓	276-275 =	- $\frac{1}{10}$	= 42925 ✓	cu. yds.
	✓	275-274 =	- $\frac{1}{5}$	= 39187 ✓	cu. yds.
	✓	274-273 = $\frac{5}{8}$		= 35920 ✓	cu. yds.
	✓	273-272 = $\frac{1}{6}$		= 8540 ✓	cu. yds.

Total Writeoff = 169084 ✓ cu. yds.

Sept. 1946

Dredge No 8

1"=100'

Fal.=17.57

=59.17.

Dredge operated 30 days

dug 65 hrs 20 min = 27.31 days = 91.027

lost 64 - 40 - = 2.69 - = 8.987

Avg. Hgt. bank = 2.8 ft.

Avg. Depth = 17.8 -

Total Depth = 20.6 -

$$\text{Surface} - \begin{array}{r} 6084 \quad 9234 \\ 4930 \quad 6084 \\ \hline 1154 \quad 1150 \end{array} = 1152 \times 17.57 = 20241 \text{ sq. yds.}$$

$$\text{Bedrock} - \begin{array}{r} 8733 \quad 9881 \\ 7584 \quad 8733 \\ \hline 1149 \quad 1148 \end{array} = 1149 \times 17.57 = 20188 \text{ sq. yds.}$$

$$2 \overline{) 40429}$$

Avg. Area = 20215 sq. yds.

$$20215 \times \frac{20.6}{3} = 138810 \text{ Cu. Yds.}$$

$$\frac{138810}{30} = 4627 \text{ Cu. Yds per day elapsed Time.}$$

$$\frac{138810}{27.31} = 5083 \text{ running}$$

Pond Elev. = 1808.7
Claims Dredged = 58485313 ✓
Surface Area = 4.18 ACRES ✓
Avg. Width Cut = 240 FT
length = 700 ✓

660
5372415
123

$$\begin{array}{r} 20241 \\ 9 \\ \hline 182169 \end{array} \quad \begin{array}{r} 20188 \\ 9 \\ \hline 181692 \end{array} \quad \begin{array}{r} 20215 \\ 9 \\ \hline 181925 \end{array}$$

THAWING WRITEOFF

BLOCK 43 ✓	=	REMAINDER	=	6355 Cu. Yds.
✓ 44	=	✓	=	66000 Cu. Yds.
✓ 45	=	$\frac{2589}{2423} \div \frac{2753}{2589} = \frac{165}{164}$	$\times 17.57 \times \frac{19.5}{3}$	= 18843 Cu. Yds.
✓ 46	=	$\frac{4653}{4250} \div \frac{5064}{4653} = \frac{407}{411}$	$\times 17.57 \times \frac{19.9}{3}$	= 47435
TOTAL =				138633 Cu. Yds.

STRIPPING WRITEOFF

X ^N 275-274 =	$\frac{1}{3}$	= 9796 Cu. Yds.	6530
274-273 =	$\frac{4}{5}$	21554	✓ 17244
273-272 =	$\frac{5}{10}$	42701	✓ 38431
272-271 = $\frac{1}{2}$ R.		23679	✓ 23679
271-270 $\frac{1}{5}$ R		TOTAL WRITEOFF = 97730 Cu. Yds.	85884
			8713
			Total = 94597

OCTOBER-46

$$1'' = 100'$$

$$FAC. = 17.57$$

$$= \text{Sq. Yds.}$$

DREDGE N^o 8

DREDGE OPERATED 31 DAYS

$$\checkmark \text{ DUG } 687 \text{ HRS } 10 \text{ MIN.} = 28.63 \text{ DAYS} = 92.36\%$$

$$\checkmark \text{ LOST } 56 \checkmark 50 \checkmark = 2.37 \checkmark = 7.64\%$$

$$\text{AVG. HGT. BANK} = 2.1 \text{ FT.}$$

$$\checkmark \text{ DEPTH} = 18.8 \checkmark$$

$$\text{TOTAL} = 20.9$$

$$\text{SURFACE} = \frac{7600}{1048} \checkmark \quad \frac{8638}{1038} \checkmark \quad \frac{9483}{1045} \checkmark = 1044 \times 17.57 = 18343 \text{ Sq. Yds.}$$

$$\text{BEDROCK} = \frac{10726}{1043} \checkmark \quad \frac{11765}{1039} \checkmark = 1041 \times 17.57 = 18290 \checkmark \text{ Sq. Yds.}$$

$$2136633 \checkmark$$

$$\text{AVG. AREA} = 18317 \checkmark \text{ Sq. Yds.}$$

$$18317 \times \frac{20.9}{3} = 127608 \text{ CU. YDS.}$$

$$\frac{127608}{31} = 4116 \text{ CU. YDS. PER DAY ELAPSED TIME}$$

$$\frac{127608}{28.63} = 4457 \checkmark \checkmark \text{ RUNNING TIME}$$

$$\text{POND ELEVATION} = 1813.3 \checkmark$$

$$\text{CLAIMS DREDGED} = 58A \& 58B \checkmark$$

$$\text{SURFACE AREA} = 3.78 \text{ ACRES} \checkmark$$

$$\text{AVG. WIDTH CUT} = 260 \text{ FT.} \checkmark$$

$$\checkmark \text{ LENGTH} \checkmark = 600 \text{ FT.} \checkmark$$

$$18343 \quad 18290 \quad 18317$$

$$9$$

$$9$$

$$9$$

$$165087 \checkmark \quad 164610 \checkmark \quad 164853 \checkmark$$

THAWING WRITEOFF

$$\text{BLOCK 46} = \frac{1189}{3567} \times 19.9 = 23661 \text{ Cu. Yds.}$$

1946 Thom

STRIPPING WRITEOFF

$$\begin{aligned} X^N \quad 269-270 &= \frac{1}{6} \text{ REMAINDER} &= 6731 \text{ CU. Yds.} \\ 270-271 &= \frac{1}{4} &= 8712 \text{ CU. Yds.} \\ & & \hline & 15443 \end{aligned}$$

✓ ✓

DREDGE No 8

1" = 100'
FAC. = 17.57
= SQ. YDS.

DREDGE CLOSED FOR SEASON

NOV. 13-11:00 AM

DREDGE operated 12 days

Aug. 26 hrs. 25 min = 11.10 days = 92.57 %
Avg. 1097 21 35 = 0.90 = 7.49 %

Avg Hgt Bank = 2.0 Ft.

Depth = 19.0

Total = 21.0

SURFACE

4676
4473
203

4878
4676
202

203 X 17.57 = 3567 Sq. Yds.

BEDROCK

5089
4886
203

5289
5089
200

202 X 17.57 = 3549

217116

AVG. AREA = 3558 SQ. YDS.

3558 X 21.0 = 24906 Cu. Yds.

24906 / 12 = 2076 Cu. Yds. per day elapsed time

24906 / 11.10 = 2244 running

POND ELEVATION = 1811.7

CLAIMS DREDGED = 58A-58B

SURFACE AREA = .73 ACRES

AVG WIDTH CUT = 120'

✓ LENGTH ✓ = 255'

3567 3549 3558
9 9 9
32103 31941 32022

Thawing Write off

$$\begin{array}{r} \text{Block 46} - 246 \times 19.9 \\ 19.9 \quad \quad \quad 3 \end{array}$$

$$= 1632 \text{ Cu Yds.}$$

Stripping Write off

$$269-270 = 185 \text{ Cu Yds}$$

$$270-271 = 250 \text{ ✓}$$

$$271-272 = 145 \text{ ✓}$$

$$\underline{580} \text{ ✓}$$

Dredge No 8

April 1947
Started digging Apr. 29 - 11:00 AM.

Dredge operated 2 days - Bailing 10-2
- dug 4 hrs 0 min = 1.87 days = 93.75 %
- lost 3 r 0 = 0.13 = 2.85 %
Avg. Hgt. Bank = 2.0 Ft.
Depth = 19.0 "
Total = 21.0 " - Assumed.

Surface
Assumed Area

$$\begin{array}{r} 3234 \\ 3220 \\ \hline 14 \end{array} \quad \begin{array}{r} 3247 \\ 3234 \\ \hline 13 \end{array}$$

$$14 \times 17.57 = 246 \text{ Sq. Yds}$$

Bedrock

Same

$$14 \times 17.57 = 246$$

$$\text{Avg. Area} = 246$$

$$246 \times \frac{21.0}{3} = 1722 \text{ Cu. Yds.}$$

$$\frac{1722}{2} = 861 \text{ Cu. Yds per day elapsed Time.}$$

$$\frac{1722}{1.87} = 921 \text{ running}$$

Pond Elev. - 1810.8
Claims dredged - 58A-58B
Surface Area - 0.05 Acres
Avg Width Cut - 200 Ft.
Length - 10

$$\begin{array}{r} 246 \\ 9 \\ \hline 2214 \end{array}$$

THAWING WRITE-OFF

Block 45.		Remainder.		=	39,506 cu.yd.
Block 46	$\begin{array}{r} 7447 \\ 7290 \\ \hline 157 \end{array}$	$\begin{array}{r} 7606 \\ 7447 \\ \hline 159 \end{array}$	$158 \times 17.57 \times \frac{19.9}{3}$	=	18,430 cu.yd.
Block 47	$\begin{array}{r} 7905 \\ 7836 \\ \hline 69 \end{array}$	$\begin{array}{r} 7974 \\ 7905 \\ \hline 69 \end{array}$	$69 \times 17.57 \times \frac{19.5}{3}$	=	7,880 cu.yd.
Total -					<u>65,816 cu.yd.</u>

STRIPPING WRITE-OFF

X ⁿ 268-269	1/20	=	1882 cu yd
269-270	1/2 Remainder	=	16750 cu yd
270-271	2/3 Remainder	=	17190 cu yd
271-272	1/2 Remainder	=	11,780 cu yd
Total			<u>47,602 cu.yd.</u>

$$\begin{array}{r} 28139 \\ - 250 \\ \hline 25889 \end{array}$$

1" = 100 ft
 Fac. = 17.57
 = sq. yd.

DREDGE No. 8

May 1947

Dredge operated
 dug.

31 days

665 hr. 10 min. = 27.63 days = 89.14%

lost

80 hr 50 min = 3.37 " = 10.86%

Av. Height of bank

2.1 ft.

Av. depth

18.4 ft.

Total

20.5 ft.

Surface

1229
 0662
 567

1791
 1229
 562

2360
 1791
 569

566 x 17.57 = 9945 sq. yd

Bedrock

10265
 9705
 560

0828
 0265
 563

562 x 17.57 = 9874 sq. yd.

2 19819

Av. Area = 9910 sq. yd.

Yds. Dredged

9910 x 20.5 = 67,718 cu. yd.

67,718 / 31 = 2185 cu. yd. per day elapsed time.

67,718 / 27.63 = 2452 cu. yd. per day running time.

Pond elevation

1810.2'

Claims dredged

58-A, 58-B 59

Surface area

2.05 acres

Av. width cut

210 ft

Av. length cut

430 ft

Surface 9945 x 9

89,505 sq. ft

Bedrock 9874 x 9

88,866 sq. ft

Average 9910 x 9

89,190 sq. ft.

9840 sq. yds to acres

Thawing Whiteoak

Block 47 -	Remainder =	51039	Cu Yds.	
Block 50 -	$\frac{1}{3}$ Remainder =	19266		✓
Block 49 -	$\frac{1}{3}$ ✓ =	39732		✓
Block 48 -	$\frac{40 \times 240}{20.6} \times \frac{20.6}{27} =$	3662		✓
Total		113699		✓

Stripping Whiteoak

268-269 -	$\frac{1}{4}$ Remainder	=	8940	Cu Yds.	
267-268 -	$\frac{1}{4}$ ✓	=	9400		✓
266-267 -	$\frac{1}{4}$ ✓	=	9152		✓
265-266 -	$\frac{1}{4}$ ✓	=	8248		✓
264-265 -	$\frac{1}{3}$ ✓	=	11449		✓
263-264 -	$\frac{1}{3}$ ✓	=	11538		✓
262-263 -	$\frac{1}{4}$ ✓	=	8477		✓
Total =			67204		✓

Dredge No 8

June 1947

Dredge operated 30 days

✓ Aug 6 hrs. Omin = 27.25 days = 90.83 %

✓ lost 66 - 0 - = 2.75 - = 9.17 %

Avg Hgt Bank = 1.1 Ft.

- Depth = 18.5 -

Total ✓ = 19.6 -

Surface $\begin{array}{r} 5408 \\ 4352 \\ \hline 1056 \end{array}$ $\begin{array}{r} 6454 \\ 5408 \\ \hline 1046 \end{array}$ $1051 \times 17.57 = 18466$ Sq. Yds.

Bedrock $\begin{array}{r} 7474 \\ 6482 \\ \hline 992 \end{array}$ $\begin{array}{r} 8470 \\ 7474 \\ \hline 996 \end{array}$ $994 \times 17.57 = \frac{17464}{2} = 8732$ -
Avg. Area 17965 -

$\frac{17965 \times 19.6}{3} = 117371$ Cu. Yds.

$\frac{117371}{30} = 3912$ Cu. Yds per day elapsed time.

$\frac{117371}{27.25} = 4307$ - - - running -

Pond Elev. - 1807.5

Claims dredged - 59-59 A Below Sulphur.

Surface Area - 3.82 Acres.

Avg. Width Cut - 240 Ft.

✓ Length - 700 ✓

$\begin{array}{r} 18466 \\ 9 \\ \hline 166194 \end{array}$ $\begin{array}{r} 17464 \\ 9 \\ \hline 157176 \end{array}$ $\begin{array}{r} 17965 \\ 9 \\ \hline 161685 \end{array}$

Thawing Writeoff

Block # 46 - Remainder = 3811 Cu. Yds.

Block # 48 - $\begin{array}{r} 3940 \\ 3305 \\ \hline 635 \end{array}$ $\begin{array}{r} 4577 \\ 3940 \\ \hline 637 \end{array}$ $\begin{array}{r} 212 \\ 636 \times 17.57 \times 20.2 \\ \hline 2 \end{array}$ = 76723 ✓

Block # 49 - $\begin{array}{r} 4872 \\ 4577 \\ \hline 295 \end{array}$ $\begin{array}{r} 5165 \\ 4872 \\ \hline 293 \end{array}$ $\begin{array}{r} 7 \\ 294 \times 17.57 \times 21.0 \\ \hline 2 \end{array}$ = 36159 ✓

Block # 51 - $\begin{array}{r} 6291 \\ 6191 \\ \hline 100 \end{array}$ $\begin{array}{r} 6392 \\ 6291 \\ \hline 101 \end{array}$ $\begin{array}{r} 7 \\ 100 \times 17.57 \times 21.0 \\ \hline 2 \end{array}$ = 12299 ✓
Total = 128992 ✓

1/2 of #51 should have been written off in June

Stripping Writeoff

X2 262-263	- 1/6 Remainder	= 4240 Cu. Yds.	
263-264	- 1/4 ✓	= 5769	✓
264-265	- 1/4 ✓	= 5745	✓
265-266	- 1/3 ✓	= 8245	✓
266-267	- 1/3 ✓	= 9152	✓
267-268	- 1/3 ✓	= 18798	✓
268-269	- 1/3 ✓	= 17878	✓
269-270	- 1/2 ✓	= 8390	✓
Total		= 78197	✓

1" = 100'
 Fac = 17.57
 = 59. Yds.

Dredge No: 8

July 1947

Dredge operated 31 days

✓ dug 684 hrs. 50 min = 28.53 days = 92.05 %
 ✓ 1054 59 ✓ 10 - = 2.47 ✓ = 7.95 %

Avg. Hgt. Bank = 1.2 ft.

✓ Depth = 20.8 ✓

Total ✓ = 22.0 ✓

Surface $\begin{array}{r} 0296 \\ 9261 \\ \hline 1037 \end{array}$ $\begin{array}{r} 1333 \\ 0296 \\ \hline 1037 \end{array}$

1036 x 17.57 = 18203 Sq. Yds.

Bedrock $\begin{array}{r} 2344 \\ 1333 \\ \hline 1011 \end{array}$ $\begin{array}{r} 3365 \\ 2344 \\ \hline 1021 \end{array}$

1016 x 17.57 = 17851 ✓

✓ 36054

Avg Area = 18027 ✓

6009
 $\frac{18027 \times 22.0}{3} = 132198 \text{ Cu. Yds.}$

$\frac{132198}{31} = 4264 \text{ Cu. Yds. per day elapsed time}$

$\frac{132198}{28.53} = 4634$ ✓ running ✓

Pond Elev - 1809.3
 Claims dredged - 59-59 A
 Surface Area - 3.76 Acres.
 Avg Width - 210 Ft.
 ✓ Length - 450 ✓

$\begin{array}{r} 18203 \\ 9 \\ \hline 163827 \end{array}$ $\begin{array}{r} 17851 \\ 9 \\ \hline 160659 \end{array}$ $\begin{array}{r} 18027 \\ 9 \\ \hline 162243 \end{array}$

Thawing Writeoff

Block N^o 48 - Remainder - 29218 Cu. Yds

Block N^o 49 - Remainder - 43306 ✓ ✓

Block N^o 51 - $\frac{1}{3}$ Remainder - 15440 ✓ ✓
Total - 87964 ✓ ✓

Stripping Writeoff

X ^o - 269 - 270 -	$\frac{1}{3}$ Remainder -	1678	Cu. Yds
✓ - 268 - 269 -	$\frac{1}{3}$ ✓	2980	✓ ✓
✓ - 267 - 268 -	$\frac{1}{3}$ ✓	3132	✓ ✓
✓ - 266 - 267 -	$\frac{2}{3}$ ✓	12202	✓ ✓
✓ - 265 - 266 -	$\frac{2}{3}$ ✓	11000	✓ ✓
✓ - 264 - 265 -	$\frac{2}{3}$ ✓	11449	✓ ✓
✓ - 263 - 264 -	$\frac{2}{3}$ ✓	11538	✓ ✓
✓ - 262 - 263 -	$\frac{2}{3}$ ✓	14126	✓ ✓
Total		68105	✓ ✓

Dredge No 8

August 1947

Dredge operated 31 days

✓ dug 683 hrs. 20 min = 28.47 days = 91.85 %

✓ lost 60 - 40 = 2.53 = 8.15 %

Avg. Hgt. Bank = 1.4 Ft.

✓ Depth = 20.7

Total = 22.1

Surface 5810 6707 896 x 17.57 = 15742 Sg. Yds. ✓

4915 5810
895 897 ✓

Bedrock 7573 8476 903 x 17.57 = 15865 ✓ ✓

6670 7573
903 903 ✓
2 31607

Arg. Area = 15803 ✓ ✓

✓ 15803 x $\frac{7.37}{3}$ = 116468 Cu. Yds. ✓

$\frac{116468}{31}$ = 3757 Cu. Yds. per day elapsed time. ✓

$\frac{116468}{28.47}$ = 4091 Cu. Yds. per day running time. ✓

Pond Elev. - 1806.9 ✓
Claims Dredged - 59 & 59A ✓
Surface Area - 3.25 Acres ✓
Avg. Width - 200 Ft. ✓
✓ Length - 800 Ft. ✓

$\frac{15742}{9}$ 1748
 $\frac{15865}{9}$ 1763
 $\frac{15803}{9}$ 1756

Thawing Write Off

$$\text{Block } 50 \begin{array}{r} 4540 \\ 4346 \\ \hline 194 \end{array} \begin{array}{r} 4732 \\ 4540 \\ \hline 192 \end{array} = 193 \times 17.57 \times \frac{6.63}{3} = 22482 \text{ Cu.Yds}$$

$$- \checkmark 1 \text{ - Remainder} \begin{array}{r} 5275 \\ 5209 \\ \hline 66 \end{array} \begin{array}{r} 5341 \\ 5275 \\ \hline 66 \end{array} = 30879 \checkmark$$

$$1947 - \checkmark 2 \begin{array}{r} 5275 \\ 5209 \\ \hline 66 \end{array} \begin{array}{r} 5341 \\ 5275 \\ \hline 66 \end{array} 66 \times 17.57 \times \frac{6.63}{3} = 7688 \checkmark$$

$$1947 - \checkmark 3 \begin{array}{r} 3581 \\ 3301 \\ \hline 280 \end{array} \begin{array}{r} 3863 \\ 3581 \\ \hline 282 \end{array} 281 \times 17.57 \times \frac{7.0}{3} = 34560 \checkmark$$

$$\text{Total} = \begin{array}{r} 22482 \\ 30879 \\ 7688 \\ 34560 \\ \hline 95609 \end{array} \checkmark$$

Stripping Write Off

$$X^2 \begin{array}{r} 263 - 262 \\ 262 - 261 \\ 261 - 260 \end{array} - \begin{array}{r} 2/3 \text{ Remainder} \\ 7/8 \\ 7/8 \end{array} \begin{array}{r} \checkmark \\ \checkmark \\ \checkmark \end{array} = 4710 \text{ Cu.Yds.}$$

$$= 28273 \checkmark$$

$$= 31752 \checkmark$$

$$\text{Total} = \begin{array}{r} 4710 \\ 28273 \\ 31752 \\ \hline 64735 \end{array} \checkmark$$

Thawing Wrightoff

Dredge No 8

October 1947

Dredge operated 31 days ✓

Aug 671 hrs $\div$ 30 min = 27.97 days = 90.23% ✓

lost 7% - 40% = 3.03% = 9.27% ✓

Avg. Hgt Bank = 1.4 ft. ✓

Depth = 20.3 ✓

Total = 21.7 ✓

$$\begin{array}{r} \text{Surface} \quad 317 \sim \quad 4160 \\ \underline{2190} \quad \quad 317 \sim \\ 98 \sim \quad \quad 988 \end{array} \quad 985 \times 17.57 = 17306 \text{ Sq Yds. } \checkmark$$

$$\begin{array}{r} \text{Bedrock} = \quad 5109 \quad 6057 \\ \underline{4157} \quad \quad 5109 \\ 95 \sim \quad \quad 948 \end{array} \quad 950 \times 17.57 = 16692 \quad \checkmark$$

$$+ (33998)$$

$$\text{Avg. Area} = 16999 \quad \checkmark \checkmark$$

$$16999 \times \frac{21.7}{3} = 122959 \text{ Cu. Yds. } \checkmark$$

$$\frac{122959}{31} = 3966 \text{ Cu. Yds. per day elapsed time } \checkmark$$

$$\frac{122959}{27.97} = 4396 \quad \checkmark \quad \text{running } \checkmark$$

Pond Elev. = 1804.3

Claims dredged = 60 Bell Sulphur

Surface Area = 3.57 Acres. ✓

Rig. Width Cut = 450 ft.

Length = 640 ✓

$$\begin{array}{r} 17306 \quad \checkmark \quad 16692 \quad \checkmark \quad 16999 \quad \checkmark \\ \underline{9} \quad \quad \underline{9} \quad \quad \underline{9} \\ 155754 \quad 150228 \quad 152991 \end{array}$$

Thawing Writeoff - 1947 Thaw

Block #53 - Remainder = 9719 Cu.Yds.

$$\begin{array}{r} \checkmark \quad \text{H50} - \frac{3147}{2823} \frac{3471}{3147} \frac{108}{324} \times 17.57 \times 23.2 = \frac{44021}{\quad} \checkmark \\ (23.2) \quad \quad \quad 324 \quad \quad \quad 324 \quad \quad \quad \end{array}$$

Total = 53740 ✓

Stripping Writeoff

X259-260 - 1/9 Remainder = 626 Cu.Yds

258-259 - 1/4 ✓ = 1405 ✓

257-258 - 1/5 ✓ = 4832 ✓

256-257 - 1/3 ✓ = 12133 ✓

255-256 - 1/3 ✓ = 13786 ✓

Total = 32782 ✓

Dredge No 8

November 1947
Shut down Nov 27-8 AM.

Dredge operated 26 days (24 for depth)

✓ dug 512 hrs or min = 21.34 days = 82.06 %

✓ lost 111 ✓ 55 ✓ = 4.66 ✓ = 17.94 %

Avg. Hgt. Bank = 1.0 Ft.

✓ Depth = 21.0 ✓

Total ✓ = 22.0 ✓

Surface

5689
5298

391 ✓

6482
6089

393 ✓

✓ ✓ ✓
 $392 \times 17.57 = 6887$ Sq. Yds.

Bedrock

6993
6618

375 ✓

7367
6993

374 ✓

✓ ✓ ✓
 $375 \times 17.57 = 6589$ ✓

2) 13476 ✓
Avg Area 6738 ✓

✓ 22.0 ✓

✓ ✓
 $6738 \times \frac{22.0}{3} = 49412$ Cu. Yds.

✓
 $\frac{49412}{26}$

✓
= 1900

Cu Yds per day elapsed time

✓
 $\frac{49412}{21.34}$

✓
= 2315

" " " " running "

Pond Elev - 1806.8 ✓

Claims Dredged - 60 Bel. Sulphur. ✓

Surface Area - 1.42 Acres. ✓

Avg width Cut - 230 ✓

Length - 250 ✓

6887

9

61983 ✓

6589

9

59301 ✓

6738

9

60642 ✓

Thawing Writeoff

$$\begin{array}{r} \text{Block 55} \quad \frac{6118}{5888} \quad \frac{6344}{6118} \quad \frac{76}{228} \times 17.57 \times 23.2 = 30978 \text{ Cu Yds.} \\ (23.2) \quad \frac{230}{226} \quad \frac{3}{3} \end{array}$$

$$\begin{array}{r} \text{Block 54} \quad \frac{7169}{7007} \quad \frac{7339}{7169} \quad \frac{8.3}{166} \times 17.57 \times 24.9 = 24203 \\ (24.9) \quad \frac{162}{170} \quad \frac{3}{3} \end{array}$$

$$\text{Total} = 55181$$

Stripping Writeoff

$$\begin{array}{r} \text{X}^2 \text{ 257-258 - 43\% Remainder} = 8311 \text{ Cu Yds.} \\ - \text{256-257 - } \checkmark = 10434 \checkmark \\ - \text{255-256 - } \checkmark = 11856 \checkmark \\ \text{Total} = 30601 \checkmark \end{array}$$

Dredge No 8

May 1948

Started operating May 3 - 4:00pm

Last Time May 3 - 8:00 AM

Dredge operated 29 days

- dug 617 hrs. 45 min. = 25.74 days = 88.76 %

- lost 78 - 15 - = 3.26 - = 11.24 %

Avg Hat Bank = 4.0 Ft.

- Depth = 19.3 -

Total = 23.3 -

Surface

$$394 \times 17.57 = 6922 \checkmark 59 \text{ Yds.}$$

$$\begin{array}{r} \text{Bedrock} \quad 1798 \quad 2200 \\ 1395 \quad 1798 \\ \hline 403 \quad 402 \end{array}$$

$$402 \times 17.57 = 7063 \checkmark$$

$$\checkmark 1398 \checkmark$$

$$\text{Avg. Area} = 6993 \checkmark$$

$$\begin{array}{r} 2331 \\ 6993 \times 23.3 \\ \hline 3 \end{array} = 54312 \checkmark \text{ Cu Yds.}$$

$$\frac{54312}{29} = 1873 \checkmark \text{ Cu Yds per day elapsed Time}$$

$$\frac{54312}{25.74} = 2110 \checkmark \text{ running}$$

Pond Elev - 1807.0

Claims dredged - 60 Below Surface

Surface Area - 1.43 Acres.

Avg Width cut - 250 Ft.

- Length - 250 -

$$\begin{array}{r} 6922 \quad 7063 \quad 6993 \\ 9 \quad 9 \quad 9 \\ \hline 62298 \checkmark \quad 63567 \checkmark \quad 62937 \checkmark \end{array}$$

Thawing Writedoff

Block # 54 ✓	$\begin{array}{r} 4941 \\ 4535 \\ \hline 406 \end{array}$	$\begin{array}{r} 5344 \\ 4941 \\ \hline 403 \end{array}$	$405 \times \frac{17.57 \times 24.9}{3} = 59062 \text{ cu. yds.}$
	(24.9) ✓		
Block # 56 ✓	$\begin{array}{r} 5676 \\ 5344 \\ \hline 332 \end{array}$	$\begin{array}{r} 6005 \\ 5676 \\ \hline 329 \end{array}$	$331 \times \frac{17.57 \times 24.7}{3} = 47882 \text{ ✓}$
	(24.7) ✓		

Total = 106944 ✓

Stripping Writedoff

X ² 257-258- 2/3 Remainder	=	$\begin{array}{r} 7346 \\ 12886 \\ \hline 9222 \end{array}$	cu. yds.
X ² 256-257- 2/3	=	$\begin{array}{r} 16178 \\ 18478 \\ \hline 18310 \end{array}$	✓
X ² 255-256- 2/3	=	10855 ✓	✓
X ² 254-255- 1/4	=	11527 ✓	✓
X ² 253-254- 1/4	=	4954 ✓	✓
X ² 252-253- 1/10	=	Total: 79915	cu. yds.
		5438 ✓	✓

Dredge No 8

June 1948

Dredge operated 30 days

✓ dug 646 hrs 45 min = 26.95 days = 89.83 %

✓ lost 73 " 15 " = 3.01 " = 10.17 %

✓ Avg Net Bank = 6.5 ft.

✓ Depth = 20.6 "

✓ Total = 27.1 "

Surface

2308 3620
1993 2808
315 812

✓ 814 X 17.57 = 14302 ✓ sq. yds.

Bedrock

4372 5155
3583 4372
789 783

✓ 784 X 17.57 = 13774 ✓ sq. yds

2128076

✓ Aug. Area = 14038 ✓

✓ 14038 X 27.1 = 126810 ✓ cu. yds.

✓ 126810 = 4227 ✓ cu. yds per day elapsed time

✓ 126810 = 4705 ✓ running

Pond Elev. - ~~1802.7~~ 1803.5

Claims Dredged - 60-60A Below Sulphur

Surface Area - 2.95 Acres ✓

Avg. Width Cut - 230'

✓ Length - 500'

14302
9

128713 ✓

13774
9

123966 ✓

14038
9

126342 ✓

Thawing Write off

✓ Block #56 24.7	$\begin{array}{r} 1589 \\ 1379 \\ \hline 210 \end{array}$	$\begin{array}{r} 1797 \\ 1589 \\ \hline 208 \end{array}$	$209 \times 17.57 \times \frac{24.7}{3} = 30234 \text{ cu yds}$
✓ Block #58 22.7	$\begin{array}{r} 2158 \\ 1579 \\ \hline 579 \\ 2271 \\ \hline 2063 \\ 208 \end{array}$	$\begin{array}{r} 2744 \\ 2158 \\ \hline 586 \\ 2479 \\ \hline 2271 \\ 208 \end{array}$	$583 \times 17.57 \times \frac{22.7}{3} = 77508 \text{ ✓ ✓}$
✓ Block #60 21.3	$\begin{array}{r} 2271 \\ 2063 \\ \hline 208 \end{array}$	$\begin{array}{r} 2479 \\ 2271 \\ \hline 208 \end{array}$	$208 \times 17.57 \times \frac{21.3}{3} = 25947 \text{ ✓ ✓}$
			Total 133689 ✓ ✓

Stripping Write off

✓ X ¹ 251-253 - $\frac{1}{6}$	Remainder	=	7431 ✓ Cu yds.
✓ X ¹ 251-252 - $\frac{1}{3}$	✓	=	17752 ✓ ✓
✓ X ² 250-251 - $\frac{1}{3}$	✓	=	18913 ✓ ✓
✓ X ² 249-250 - $\frac{1}{3}$	✓	=	19908 ✓ ✓
✓ X ¹ 248-249 - $\frac{1}{3}$	✓	=	20123 ✓ ✓
✓ X ² 247-248 - $\frac{1}{3}$	✓	=	20005 ✓ ✓
			<u>104132</u> ✓ ✓

Dredge No. 8

July 1948

Dredge Operated 31 Days.

✓ dug 672 hrs. 20 min. = 28.01 days = 90.37%

✓ lost 71 ✓ 40 ✓ = 2.99 ✓ = 9.63%

Avg. Hgt. Bank = 3.3 ft.

✓ Depth = 21.0 ✓

Total ✓ = 24.3 ✓

SURFACE: $\frac{3764}{2668}$
1096 ✓

$\frac{4860}{3764}$
1096 ✓

1096 X 17.57 = 19257 sq. yds.

BEDROCK: $\frac{3873}{2831}$
1042

$\frac{4917}{3873}$
1044 ✓

1043 X 17.57 = 18325 ✓ sq. yds.

2 18325 ✓
Avg. Area 18791 ✓ sq. yds.

$\frac{18791 \times 24.3}{3} = 152207$ cu. yds.

$\frac{152207}{31} = 4910$ cu. yds. per day Elapsed time

$\frac{152207}{28.01} = 5434$ - - - running ✓

Pond Elev.

1805.1

Claims Dredged

60A-61 Below Sulphur

Surface Area

3.98 Acres ✓

Avg Width Cut

260 ft.

✓ Length ✓

570 ft

$\frac{19257}{9}$

$\frac{18325}{9}$

$\frac{18791}{9}$

173313 ✓

164925 ✓

169119 ✓

Thawing Writeoff

Block	# 60 (21.3)	$\frac{4364}{510}$	$\frac{4867}{503}$	$506 \times 17.57 \times \frac{7.1}{3}$	=	63119	cu. yds
✓	# 61 (22.0)	$\frac{4985}{114}$	$\frac{2101}{116}$	$115 \times 17.57 \times \frac{22.0}{3}$	=	14813	✓ ✓
✓	# 62 (20.3)	$\frac{5565}{277}$	$\frac{5546}{281}$	$\frac{93}{279} \times 17.57 \times \frac{20.3}{3}$	=	33170	✓ ✓
✓	# 63 (21.0)	$\frac{5086}{52}$	$\frac{5137}{51}$	$52 \times 17.57 \times \frac{7.0}{3}$	=	6391	✓ ✓

Total = 117493 ✓ ✓

Stripping Writeoff

X ²⁵	243-244 = $\frac{1}{10}$ Remainder	=	5595	cu. yds.
	244-245 = $\frac{2}{3}$	✓	36383	✓ ✓
	245-246 = $\frac{2}{3}$	✓	37928	✓ ✓
	246-247 = $\frac{1}{2}$	✓	29350 32133	✓ ✓

Total = ~~119039~~

109256 ✓

DREDGE N^o 8

Aug. 1948

Dredge operated 31 days

✓ dug 663 hrs. 05 min = 27.63 days = 89.12%

✓ lost 80 ✓ 55 ✓ = 3.37 ✓ = 10.88%

Avg. Hgt. Bank = 1.8 Ft. ✓

✓ Depth = 19.3 ✓

Total ✓ = 21.1 ✓

Surface $\frac{6783}{5784}$
999 ✓ $\frac{7783}{6782}$
1000 ✓

1000 X 17.57 =

17570 ✓

sq. yds.

Bedrock $\frac{8707}{7707}$
947 ✓ $\frac{9655}{8707}$
948 ✓

948 X 17.57 =

16656 ✓

21342.26

Avg. Area = 17116 ✓

 $17116 \times \frac{21.1}{3} = 120383$ ✓ cu. yds. $\frac{120383}{31}$

= 3883 ✓

cu. yds. per day elapsed time

 $\frac{120383}{27.63}$

= 4357 ✓

running ✓

Pond Elev. = 1795.0

Claims dredged : 61-614 ✓ Below Sulphur

Surface Area : 3.63 Acres ✓

Avg. Width Cut : 250' ✓

✓ Length ✓ : 500' ✓

 $\frac{17570}{9}$

158130 ✓

 $\frac{16656}{9}$

149904 ✓

 $\frac{17116}{9}$

154044 ✓

Thawing Writeoff

Block # 56 ✓ (24.7) ✓	$\begin{array}{r} 5984 \\ 5956 \\ \hline 28 \end{array}$	$\begin{array}{r} 6012 \\ 5984 \\ \hline 28 \end{array}$	$\frac{28 \times 17.57 \times 24.7}{3} = 4051 \text{ cu. yds.}$
✓ # 57 ✓ (24.2) ✓	$\begin{array}{r} 6933 \\ 6888 \\ \hline 45 \end{array}$	$\begin{array}{r} 6977 \\ 6933 \\ \hline 44 \end{array}$	$\frac{15 \times 17.57 \times 24.2}{3} = 6389 \text{ ✓}$
✓ # 58 ✓	Remainder		= 24067 ✓
✓ # 59 ✓ (22.1) ✓	$\begin{array}{r} 7680 \\ 7361 \\ \hline 319 \end{array}$	$\begin{array}{r} 8000 \\ 7680 \\ \hline 320 \end{array}$	$\frac{320 \times 17.57 \times 22.1}{3} = \frac{41418}{54366} \text{ ✓}$
✓ # 60 ✓	Remainder		= 14388 ✓
✓ # 61 ✓ (22.0) ✓	$\begin{array}{r} 8126 \\ 8000 \\ \hline 126 \end{array}$	$\begin{array}{r} 8250 \\ 8126 \\ \hline 124 \end{array}$	$\frac{125 \times 17.57 \times 22.0}{3} = \frac{16104}{106367} \text{ ✓}$
			Total = 119315 106367 ✓

Stripping Writeoff

X2 246 - 247 = 1/3	Remainder	=	9783 ✓	cu. yds.
247 - 248 = 1/3	✓	=	13337 ✓	✓
248 - 249 = 1/3	✓	=	13419 ✓	✓
249 - 250 = 2/5	✓	=	15927 ✓	✓
250 - 251 = 2/5	✓	=	15131 ✓	✓
251 - 252 = 1/4	✓	=	8876 ✓	✓
		Total =	76473 ✓	✓

Dredge N^o 8

Sept./48

Dredge operated 30 days

- dug 647 hrs. 10 min. = 26.97 days = 89.88%

- lost 72 hrs. 50 min. = 3.03 days = 10.12%

Arg. Hgt Bank = 2.7 Ft.

- Depth = 19.7 "

Total = 22.4 "

Surface

$\begin{array}{r} 3061 \\ 2265 \\ \hline 796 \end{array}$

$\begin{array}{r} 3859 \\ 3061 \\ \hline 798 \end{array}$

$797 \times 17.57 = 14003$ sq. yds.

Bedrock

$\begin{array}{r} 4628 \\ 3827 \\ \hline 801 \end{array}$

$\begin{array}{r} 5431 \\ 4628 \\ \hline 803 \end{array}$

$802 \times 17.57 = 14091$ sq. yds.

$2 \overline{) 28094}$

Arg. Area = 14047 sq. yds.

$\frac{14047 \times 22.4}{3} = 104884$ cu. yds.

$\frac{104884}{30} = 3496$ cu. yds. per day elapsed time

$\frac{104884}{26.97} = 3889$ cu. yds. per day running time

Pond Elev. = 1800.7

Claims Dredged = 60A-61 Below Sulphur

Surface Area = 2.89 Acres.

Arg. Width Cut = 240'

- Length = 520'

$\begin{array}{r} 14003 \\ 9 \\ \hline 126027 \end{array}$

$\begin{array}{r} 14091 \\ 9 \\ \hline 126819 \end{array}$

$\begin{array}{r} 14047 \\ 9 \\ \hline 126423 \end{array}$

Thawing Writeoff

Block 54 ✓	Remainder	= 4004 ✓	cu. yds.
✓ 55 ✓	✓	= 26975 ✓	✓
✓ 56 ✓	✓	= 20182 ✓	✓
✓ 57 (24.2) ✓	$\frac{1113}{626}$ ✓ $\frac{1745}{632}$ ✓	$629 \times 17.57 \times 24.2 = 89145$ ✓	✓
		$\frac{3}{\text{Total}} = 140306$ ✓	✓

Stripping Writeoff

X ² 251-252 = $\frac{1}{3}$ ✓	Remainder	= 8876 ✓	cu. yds.
252-253 = $\frac{3}{4}$ ✓	✓	= 27852 ✓	✓
253-254 = $\frac{3}{4}$ ✓	✓	= 25935 ✓	✓
254-255 = $\frac{3}{4}$ ✓	✓	= 24426 ✓	✓
255-256 = $\frac{1}{3}$ ✓	✓	= 1746 ✓	✓
	Total	8883 ✓	✓

Dredge No 8

Oct. / 48

Dredge operated 31 days

- dug 678 hrs. 35 min = 28.27 days = 91.21 7.
 ✓ lost 65 - 25 - = 2.73 - = 8.79 7.

Avg. Hgt. Bank = 3.0 Ft

- Depth = 20.1 -

Total ✓ = 23.1 -

Surface

$$\begin{array}{r} 4978 \\ 4034 \\ \hline 944 \end{array}$$

$$\begin{array}{r} 5932 \\ 4978 \\ \hline 954 \end{array}$$

949 X 17.57 = 16674 ✓ sq. yds.

Bedrock

$$\begin{array}{r} 6920 \\ 5955 \\ \hline 965 \end{array}$$

$$\begin{array}{r} 7884 \\ 6920 \\ \hline 964 \end{array}$$

965 X 17.57 = 16955 ✓

2133629 ✓

Avg. Area = 16815 ✓

$$16815 \times \frac{7.7}{23.1} = 179475 \text{ Cu. Yds.}$$

$$\frac{179475}{31} = 4177 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{179475}{28.27} = 4580 \text{ ✓ running ✓}$$

Pond Elev. = 1804.2

Claims Dredged = 60A Below Sulphur ✓

Surface Area = 3.45 Acres

Avg. Width Cut = 215 Ft. ✓

- Length ✓ = 650 Ft. ✓

16674	16955	16815
<u>9</u>	<u>9</u>	<u>9</u>
150066 ✓	152595 ✓	151335 ✓

THAWING WRITE OFF

Block 57 Remainder = 16609 CY

Block 59
 $\frac{7240}{7057} = 1.026$
 $\frac{7426}{7240} = 1.026$
 $1.026 \times 185 \times 17.57 = 33945$

Total = 40554

STRIPPING WRITE OFF

Xn - 249-250 $\frac{1}{3}$ Remainder = 7964 Cu Yds.

Xn - 250-251 $\frac{3}{4}$ Remainder = 17088 ✓

Xn - 251-252 $\frac{1}{2}$ Remainder = 8875 ✓

Total = 33861 ✓

DREDGE No 8

Nov 48

Shutdown Nov 14 - 8:15 pm
For Lost Time Nov 14 - 8:00 PM

Dredge operated 13 days

dig 281 hrs. 15 min = 11.72 days = 50.14 %
lost 30 - 45 = 1.28 = 9.86 %

Avg Hgt Bank = 1.5 Ft.

Depth = 22.0

Total = 23.5

SURFACE

$\begin{array}{r} 6222 \\ 5943 \\ \hline 279 \end{array}$

$\begin{array}{r} 6302 \\ 6222 \\ \hline 280 \end{array}$

280 x 17.57

4920 sq yds

BED ROCK

$\begin{array}{r} 6775 \\ 6408 \\ \hline 277 \end{array}$

$\begin{array}{r} 7050 \\ 6775 \\ \hline 275 \end{array}$

276 x 17.57

4849 sq yds

2) 9769

Ave Area

4885 sq yds

$$4885 \times \frac{23.5}{3} = 38766 \text{ Cu. Yds.}$$

$$\frac{38766}{13} = 2982 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{38766}{11.72} = 3298 \text{ running}$$

Pond Elev - 1801.0

Claims dredged - 60 ft - 61 Below Surf.

Surface Area - 1.02 Acres.

Avg. Width Cut = 210'

Length = 200'

$\begin{array}{r} 4920 \\ 9 \\ \hline 44280 \end{array}$

$\begin{array}{r} 4849 \\ 9 \\ \hline 43641 \end{array}$

$\begin{array}{r} 4885 \\ 9 \\ \hline 43965 \end{array}$

44280

43641

43965

Thawing Writeoff

Block 59 - Remainder

11

39759 CuYds

✓ 61 - 6283 6329
(23.1) 6195 6283
88 86

87 x 17.57 x 23.1 = 11771
3
Total = 51530 ✓

5 tripping Writeoff

X2 247-248	-	73 Remainder	=	17782	Gu. Vals.
✓ 248-249	-		=	17886	✓
✓ 249-250	✓		=	10618	✓
		Total	=	<u>46286</u>	✓

Dredge N-8

May 1949
Started operating May 3 - 8 AM

Dredge operated 29 days

✓ dug 634 hrs 55 min = 26.45 days = 91.22 %

✓ lost 61 - 05 - = 2.55 - = 8.78 %

Avg. Hgt. Bank = 1.8 Ft.

✓ Depth = 23.0 ✓

Total - = 24.2 ✓

Surface

4282	4705
3859	4282
423	423

$$423 \times 17.57 = 7432 \text{ Sq. Yds.}$$

Bedrock

5123	5537
4714	5123
409	414

$$412 \times 17.57 = \frac{7238}{2} = 7335 \text{ ✓}$$

Avg. Area = 7335 ✓

$$\frac{2445}{7335} \times 24.2 = 59169 \text{ Cu. Yds.}$$

$$\frac{59169}{29} = 2040 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{59169}{26.45} = 2237 \text{ - running -}$$

Port Elev - 1796.1

Claims dredged - 61 Below Sulphur

Surface Area = 1.54 Acres

Avg Width cut - 260 Ft.

Length - 215 -

7432	7238	7335
9	9	9
66888	65142	66015

Thawing Writeoff

Block #61

Remainder

= 63 843 C/yd

63
(21.0)

5423 5528
5319 5423
104 105

105 x 17.57 x 21.0
3

= 12915 ✓

Total = 76758

Stripping Writeoff

X 23 248-247 = 1/3
247-246 = 2/3
246-245 = 2/3
245-244 = 2/3

Remainder =

✓ =
✓ =
✓ =

= 2964 C/yds

= 13044 ✓

= 12642 ✓

= 12128 ✓

Total = 40778 ✓

Dredge No 8

June 1949

Dredge operated 30 days

- dug 662 hrs. 55 min. = 27.62 days = 92.07%

- lost 57 ✓ 05 ✓ = 238 ✓ = 7.93%

Avg Hgt. Bank = 1.2 Ft.

- Depth = 25.9 ✓

Total ✓ = 27.1 ✓

Surface

3608 4214
3011 3608
597 606

602 X 17.57 = 10577 Sq. Yds.

Bedrock

4838 5428
4255 4938
583 590

586 X 17.57 = 10296 -

20873

Avg Area = 10437 ✓

3479
10437 X 27.1 = 94281 Cu. Yds.
3

94281 = 3143 Cu. Yds. per day elapsed time
30

94281 = 3414 ✓ - running -
27.62

Pond Elev. = 1792.7

Claims Dredged = 61-61A Below Sulphur

Surface Area = 2.19 Acres.

Avg. Width Cut = 300 Ft.

- Length - = 340 Ft.

10577 10296 10437
9 9 9
95193 92664 93933

Thawing Whiteoff

Block # 62
(20.3)

5512
5064
448

5960
5512
448

$$448 \times 17.57 \times 20.3 = 153267 \text{ cu. yds.}$$

63
(21.0)

6536
5960
576

7110
6536
574

$$575 \times 17.57 \times 21.0 = 20725$$

$$\text{Total} = 173992$$

Stripping Whiteoff

X²² 241-242 = 1/3
242-243 = 6/7
243-244 = 6/7

$$\text{Remainder} = 18406 \text{ cu. yds.}$$

$$= 48786$$

$$= 43164$$

$$\text{Total} = 110316$$

Dredge N^o 8

July-149

Dredge operated 31 days

- dug 670 hrs. 50 min. = 27.95 days = 90.17%

- lost 73 - 10 - = 3.05 - = 9.83%

Avg. Hgt. Bank = 2.4 Ft.

- Depth = 19.9 -

Total = 22.3 -

Surface $\frac{3446}{2420} \frac{4474}{3446}$ 1027 x 17.57 = 18044 sq. yds.
1026 1028

Bedrock $\frac{5510}{4476} \frac{6543}{5510}$ 1034 x 17.57 = 18167
1034 1033 2 36711

Avg Area = 18105

6035
18105 x 22.3 = 134580 Cu. Yds.
3

$\frac{134580}{31}$ = 4341 Cu Yds. per day elapsed time

$\frac{134580}{27.95}$ = 4815 - - running -

Pond Elev. = 1791.9

Claims dredged = 61 A Below Sulphur

Surface Area = 3.72

Avg. Width Cut = 220 Ft.

- Length = 630 -

$\frac{18044}{9}$ 162396
 $\frac{18167}{9}$ 163503
 $\frac{18105}{9}$ 162945

Thawing Writeoff

Block # 62

Remainder

= 19576 CnYds

$$\begin{array}{r} \# 63 \quad \begin{array}{r} 1650 \\ 1571 \\ \hline 79 \end{array} \quad \begin{array}{r} 1732 \\ 1650 \\ \hline 82 \end{array} \quad \begin{array}{r} 7.0 \\ 80 \times 17.57 \times 7.0 \\ \hline 3 \end{array} \end{array}$$

= 9839 -

$$\begin{array}{r} \# 64 \quad \begin{array}{r} 4679 \\ 4176 \\ \hline 503 \end{array} \quad \begin{array}{r} 5184 \\ 4679 \\ \hline 505 \end{array} \quad \begin{array}{r} 7.1 \\ 504 \times 17.57 \times 7.1 \\ \hline 3 \end{array} \end{array}$$

= 63000 ✓

$$\begin{array}{r} \# 65 \quad \begin{array}{r} 4493 \\ 4129 \\ \hline 364 \end{array} \quad \begin{array}{r} 4860 \\ 4493 \\ \hline 367 \end{array} \quad \begin{array}{r} 12.2 \\ 366 \times 17.57 \times 12.2 \\ \hline 3 \end{array} \end{array}$$

= 44164 ✓

Total = 136579 ✓

Stripping Writeoff

X⁰⁵ 239-240-1/4 Remainder

= 13490 CnYds.

240-241-3/4 ✓

= 40584 ✓

241-242-3/4 ✓

= 27609 ✓

242-243-1/2 ✓

= 4068 ✓

243-244-1/2 ✓

= 3596 ✓

Total = 89347 -

Dredge No 8

Aug/49

Dredge operated 31 days.

✓ dug 653 hrs. 20 min. = 27.22 days = 87.81 %

✓ lost 90 ✓ .40 ✓ = 3.78 ✓ = 12.19 %

Avg. Hgt. Bank = 2.8 Ft.

✓ Depth = 17.5 ✓

Total ✓ = 20.3 ✓

Surface

$\frac{2755}{1588} \quad \frac{3917}{2755}$
 $\frac{1167}{1162}$

1165 x 17.57

= 20469 Sq. Yds.

Bedrock

$\frac{5066}{3969} \quad \frac{6200}{5066} \quad \frac{7352}{6200} \quad \frac{8499}{7352}$
 $\frac{1175}{1134} \quad \frac{1152}{1147}$

1150 x 17.57

= 20205 ✓

→ 40674

Avg. Area = 20337 ✓

$\frac{6779}{50337} \times 20.3 = 137614 \text{ Cu Yds.}$

$\frac{137614}{31} = 4439 \text{ Cu Yds. per day elapsed time}$

$\frac{137614}{27.22} = 5056 \text{ ✓ running ✓}$

Pond Elev = 1790.9

Claims Dredged = 61A-62 Bel. Sulphur

Surface Area = 4.23

Avg. Width Cut = 205 Ft.

✓ Length ✓ = 930 ✓

$\frac{20469}{9} \quad \frac{20205}{9} \quad \frac{20337}{9}$
184221 181845 183033

Thawing Writeoff

Block N^o 63 ✓ Remainder = 4395 cu. yds.

✓ N^o 64 $\frac{2401}{1967} \frac{2640}{235} \frac{2401}{239}$ = $\frac{239 \times 17.57 \times 21.3}{3} = 29564$ ✓ ✓

✓ N^o 65 Remainder = 61404 ✓ ✓

✓ N^o 66 $\frac{2728}{2640} \frac{2815}{2728} \frac{2815}{87}$ = $\frac{87 \times 17.57 \times 20.7}{3} = 10543$ ✓ ✓

✓ N^o 67 $\frac{2983}{2815} \frac{3154}{2983} \frac{3154}{171}$ = $\frac{170 \times 17.57 \times 21.2}{3} = 21108$ ✓ ✓

Total = 127014 ✓ ✓

Stripping Writeoff

X^{es} ✓ 237-238 = $\frac{1}{3}$ Remainder = 20095 cu. yds.

✓ 238-239 = $\frac{2}{3}$ ✓ = 38374 ✓ ✓

✓ 239-240 = $\frac{2}{3}$ ✓ = 26982 ✓ ✓

✓ 240-241 = $\frac{1}{2}$ ✓ = 6760 ✓ ✓

✓ 241-242 = $\frac{1}{3}$ ✓ = 3068 ✓ ✓

Total = 95279 ✓ ✓

Dredge N^o 8

Sept. 1949

Dredge operated 30 days

✓ dug 647 hrs. 55 min = 27.0 days = 89.99%

✓ lost 72 ✓ 05 ✓ = 3.0 ✓ = 10.01%

Avg. Hgt. Bank = 2.6 Ft. ✓

✓ Depth = 19.3 ✓

Total ✓ = 21.9 ✓

Surface

$\begin{array}{r} 2425 \quad 3450 \\ 1402 \quad 2425 \\ \hline 1023 \quad 1025 \end{array}$

$1024 \times 17.57 = 17992 \text{ sq. yds.}$

Bedrock

$\begin{array}{r} 4411 \quad 5419 \\ 3412 \quad 4411 \\ \hline 999 \quad 1008 \end{array}$

$1004 \times 17.57 = 17640$

$2 \overline{) 35632}$

Avg Area = 17816

7.3

$17816 \times \frac{21.9}{3} = 130057 \text{ Cu. Yds.}$

$\frac{130057}{30} = 4335 \text{ Cu. Yds. per day elapsed time}$

$\frac{130057}{27.0} = 4817 \text{ - running -}$

Pond Elev. = ~~1788.0~~ 1803.1

Claims Dredged = 62 Bel. Sulphur ✓

Surface Area = 3.72 Acres

Avg. Width Cut = 205 Ft.

✓ Length ✓ = 790 Ft.

$\begin{array}{r} 17992 \\ 9 \end{array}$

$\begin{array}{r} 17640 \\ 9 \end{array}$

$\begin{array}{r} 17816 \\ 9 \end{array}$

161928

158760

160344

Thawing Writeoff

✓ Block No 64

Remainder

= 27440 Cys

$$\begin{array}{r} 1053 \\ 66 \\ (20.7) \end{array} \begin{array}{r} 7731 \\ 6372 \\ 6811 \end{array}$$

$$\frac{680 \times 17.57 \times 20.7}{3} = 82280 \quad \checkmark$$

$$\begin{array}{r} 1493 \\ 67 \\ (21.2) \end{array} \begin{array}{r} 1694 \\ 1294 \\ 1991 \end{array}$$

$$\frac{200 \times 17.57 \times 21.2}{3} = 24800 \quad -$$

$$\text{Total} = 134520 \quad \checkmark$$

Stripping Writeoff

X^{ns} 235-236 - 1/4

Remainder

=

11562 Cu. Yds.

✓ 236-237 - 1/2

✓

=

30011

✓

✓ 237-238 - 1/2

✓

=

20096

-

✓ 238-239 - 1/2

✓

=

9593

-

✓ 239-240 - 1/3

✓

=

4497

-

$$\text{Total} = 79759 \quad -$$

Dredge No 8

Oct. 1949

Dredge operated 31 days

✓ dug 642 hrs. Omin = 26.75 days = 86.29 %

✓ lost 102 - 0 - = 4.25 - = 13.71 %

Avg. Hgt. Bank = 4.4 ft.

✓ Depth = 15.6 -

Total ✓ = 20.0 ✓

Surface

$$\begin{array}{r} 2331 \\ 1212 \\ \hline 1119 \end{array} \quad \begin{array}{r} 3445 \\ 2331 \\ \hline 1114 \end{array}$$

1117 x 17.57 = 19626 Sq. Yds

Bedrock

$$\begin{array}{r} 4499 \\ 3389 \\ \hline 1110 \end{array} \quad \begin{array}{r} 5605 \\ 4499 \\ \hline 1106 \end{array}$$

$$1108 \times 17.57 = 19468$$

$$\begin{array}{r} 19468 \\ - 39094 \\ \hline \end{array}$$

Avg Area = 19547

$$\frac{19547 \times 20.0}{3} = 130313 \text{ Cu. Yds.}$$

$$\frac{130313}{31} = 4204 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{130313}{26.75} = 4872 \quad \checkmark \quad \checkmark \text{ running} \quad \checkmark$$

Pond Elev. = 1803.3

Claims Dredged = 62-62A Bel. Sulphur

Surface Area = 4.05 Acres.

Avg. Width Cut = 200' Ft.

✓ Length = 920 ✓

19626	19468	19547
<u>9</u>	<u>9</u>	<u>9</u>
176634	175212	175923

Thaw Writeoff

Block N° 67. $\frac{6174}{5650} \frac{6697}{6174}$
21.2 524 523

$$\frac{524 \times 17.57 \times 21.2}{3} = 6563 \text{ cu. yds.}$$

N° 69. $\frac{6938}{6697} \frac{7174}{6938}$
20.7 241 236

$$\frac{239 \times 17.57 \times \frac{6.9}{20.7}}{3} = 2891.9$$

$$\text{Total} = 9398.2$$

Stripping Writeoff

233-234 $\frac{1}{10}$ Remainder -
234-235 $\frac{1}{4}$ Remainder =
235-236 $\frac{1}{4}$ ✓ =
236-237 $\frac{2}{3}$ ✓ =
237-238 $\frac{1}{2}$ ✓ =

✓ 182 Cuyds.
14662 -
11671 -
20008 -
10048 -

$$\text{Total} = 61571$$

Dr #8

November 1949
Shut down Nov. 26 - 2:00pm

Dredge operated 25 days

dug 548 hrs. 35 min = 22.86 days = 91.43%

lost 51 " " " = 2.14 " = 8.57%

Avg. Net Bank = 1.7 ft.

Depth = 21.0 "

Total = 22.7 "

Surface Area3326 4087
2564 3326

762 761

762 x 17.57 = 13388 sq. yds.

Bedrock Area4820 5567
4078 4820

742 747

745 x 17.57 = 13090

✓ 26478

Avg. Area = 13239

4413

$$\begin{array}{r} 13239 \\ \times 22.7 \\ \hline 8 \end{array} = 100175 \text{ Cu. Yds.}$$
$$\frac{100175}{25} = 4007 \text{ Cu. Yds. per day elapsed time}$$
$$\frac{100175}{22.86} = 4382$$

- running -

Pond Elev - 1788.3

Claims dredged - 62-62 A Below Sulphur

Surface - 2.77 Acres.

Avg width Cut - 190 ft.

Length - 625

13388

9

120492

13090

9

117810

13239

9

119151

Thawing Writeoff

Block 66 (20.7)	- $75 \times 290 \times 20.7$ ✓	= 15563 Cu.Yds.
✓ 67 (21.2)	- Remainder	= 11572 ✓
✓ 68 (20.4)	- $185 \times 295 \times 20.4$ ✓	= 28484 ✓
✓ 69 (20.7)	- $160 \times 125 \times 20.7$ ✓	= 15333
Total		= 70952 ✓ ✓

Stripping Writeoff

X ² 236-235	- $\frac{1}{2}$ Remainder	= 17507 Cu.Yds.
✓ 235-234	- $\frac{1}{2}$ ✓	= 21993 ✓
✓ 234-233	- $\frac{1}{6}$ ✓	= 7773 ✓
Total		= 47273 ✓ ✓

Dredge N: 8

May 1950
Started May 1 - 8:00 AM.

Dredge operated 31 days

✓ dug 646 hrs. 25 min = 26.93 days = 86.88 %

✓ lost 97 - 35 - = 4.07 - = 13.12 %

✓ Avg Hgt Bank = 2.2 Ft.

✓ Depth = 19.7

✓ Total = 21.9

Surface

4300 5476 ✓
4329 4900 ✓ = 573.5 X 17.57 = 10,076 sq. yds.
571 ✓ 576 ✓

Bedrock

6040 4694 8230 ✓
5482 7112 7674 ✓
558 ✓ 562 ✓ 556 ✓ 559 X 17.57 = 9821 ✓

Av. Area

21 19897
9948.5 ✓ " "

9948.5 X 7.3
21.9
✓

72624 ✓ cu yds

72624
31 =

2343.4 ✓ cu yds per day Elapsed Time

72624
✓ 26.93 =

✓ 697
23427 " " " Running Time

Pond Elev. -

1800.2

Claims dredged -

C & A Sulphur

Surface Area -

2.05 Acres.

Avg. Width cut -

192 ft.

✓ Length -

466 ft.

Surface Area

Bedrock Area

Aver. Area

90684 ✓

88389 -

89536.1 ✓

Thawing Writeoff

Block 66 - Remainder

= 15510 Cu Yds.

✓ 68 - ✓

= 92903 ✓

✓ 69 - $\frac{180 \times 210 \times 20.7}{27}$

= 28980

Total = 137393 ✓

Stripping Writeoff

✓ 236 - 235 - $\frac{1}{2}$ Remainder

= 8753 Cu Yds.

235 - 234 - $\frac{1}{2}$ -

= 10997 ✓

234 - 233 - $\frac{3}{5}$ ✓

= 23319 ✓

233 - 232 - $\frac{3}{5}$ ✓

= 30759 ✓

232 - 231 - $\frac{1}{4}$ ✓

= 13080 ✓

Total = 86908 ✓

Dredge # 8

June 1950

Dredge	Operated	30 days.
Dredge	Dug	661 hrs 35 Min = 27.67 day = 91.89%
"	Lost	58 " 25 " = 2.43 ✓ 8.11%
Av	hgt of Bank	3.6'
"	Depth	16.4'
Total		20.0'

Surface

4396
3170
1226 ✓

5623
4396
1227 ✓

1226.5 x 17.57

21,550 sq. yds

Bed Rock

6844
5632
1212 ✓

5056
6844
1212 ✓

1212 x 17.57 =

21,295 " "

Av. Area

=

42,845 ✓
21,422.5 " "

21,422.5 x $\frac{20.0}{3}$ =

142,817.7 cu yds

$\frac{142,817}{30}$ =

4,760.6

cu yds / Eloped day

$\frac{142,817}{27.57}$ =

5,180.1

" " Running Day

Pond El.

1785.2

Claims Dr

62 A Bel. Sulph.

Surface Area =

4.45 Acres

Av. Width of cut =

2.14'

" Length =

906

Surface

193950 ✓

Bed Rock

191655 ✓

Av.

192802. ✓

Thaw Writeoff

Block 69 - Remainder	=	54549 Cu Yds.
✓ 71 -	=	84895 ✓
✓ 70 $\frac{200 \times 70 \times 20.1}{27}$	=	<u>10370</u> ✓
Total	=	149814 ✓

Stripping Writeoff

X2 234 - 233 - $\frac{2}{3}$ Remainder	=	15548 Cu Yds
233 - 232 -	=	20508 ✓
232 - 231 - $\frac{3}{4}$	=	39242 ✓
231 - 230 - $\frac{3}{10}$	=	16968 -
230 - 229 - $\frac{3}{10}$	=	<u>18261</u> ✓
Total	=	110527 ✓

Dredge No: 8

July 1950

Dredge Operated. 31 days

" Dag 671 " 40 Min. = 27.99 = 90,2890

" Lost 72 " 20 " = 3.01 = 9,7290

Av. hgt of Bank = 2.2 ft

" Depth 19.5

Total " 21.7

Surface

6305

5046

1259

7866

6305

1261

12.60 " Area = 1260 x 17.57 = 22,138 sq yds

Bed Rock

8782

7558

1224

10008

8782

1226

1225 " Area = 1225 x 17.57 = 21,523 "

Aver

43661

21830.5

$$21,830.5 \times \frac{21.7}{3} =$$

$$\frac{157907}{31} =$$

$$\frac{157907}{27.99} =$$

157907 cu yd

5894.4 cu yds / Eapsed Day

5642.8 " " / Running Day

Pond El = 1787.8

Claims Dredged 67A-63

Surface Area = 4.57 Acres

Av. Width at Cut = 221 ft

" Length " " = 900 ft.

199242

193707

196470

Thaw write off

$$\text{Block 70} - \text{Remainder} = 49539$$

$$\text{Block 72} - \frac{5533}{4907} \frac{6157}{5533} \frac{625 \times 17.57 \times 19.3}{3} = 70644$$

$$\text{Block 73} - \frac{6432}{6157} \frac{6704}{6432} \frac{274 \times 17.57 \times 20.3}{3} = 32575$$

$$\text{Total} = 152758$$

Stripping write off

$$\text{XMS 231-230} \quad \text{Remainder} = 39599$$

$$230-229 \quad \checkmark = 42610$$

$$229-228 \quad \frac{2}{3} \quad \checkmark = 42396$$

$$228-227 \quad \frac{1}{3} \quad \checkmark = 21217$$

$$\text{Total} = 145822$$

Dredge #8

Aug. 1950

Dredge Operated 31 days

" Dig 665 Hrs. 25 Min = 27.73 days. 89.44%

" Lost 78 " 35 " 327 1056%

Average ht. of Bank 2.7
" Depth 17.1
Total. 19.8

Surface 6013 8627
4704 7326 - 1303 x 17.57 = 22894 sq. yds.
1304 1301

Bedrock 9936 11236
8632 9936 1302 x 17.57 = 22876 " "
1304 1300

Av. Area = 22885 " "

22885 x $\frac{19.3}{19.2} =$
3

147227
146464 cu. yds.

147227
146464 =
31

4749.3
4724.6 cu. yd. / Elapsed Day

147227
146464
27.73

5309.3
5281.8 cu yd / Running Day

Pond EI = 1783.0

Claims Dredged 63

Surface Area = 4.73 Acres

Av. Width of Cut 203'

" Length " 1015'

206046

205884

205965

THAW WRITE OFF

$$\text{BLOCK 72} - \begin{array}{r} 2123 \\ 1965 \\ \hline 158 \end{array} \quad \begin{array}{r} 2279 \\ 2123 \\ \hline 156 \end{array} = 157 \times 17.57 \times \frac{19.3}{3} = 17,746 \text{ cu. yds.}$$

$$\text{BLOCK 73} - \text{REMAINDER} = 56,474$$

$$\text{BLOCK 74} - \begin{array}{r} 4067 \\ 3925 \\ \hline 142 \end{array} \quad \begin{array}{r} 4207 \\ 4067 \\ \hline 140 \end{array} \quad \begin{array}{r} 47 \\ 141 \times 17.57 \times \frac{18.5}{3} \end{array} = 15,277$$

$$\text{BLOCK 75} - \begin{array}{r} 4501 \\ 4032 \\ \hline 469 \end{array} \quad \begin{array}{r} 4912 \\ 4501 \\ \hline 471 \end{array} \quad 470 \times 17.57 \times \frac{20.0}{3} = 55,053$$

$$\text{TOTAL THAW WRITE OFF} = 144,550 \text{ cu. yds.}$$

STRIPPING WRITE OFF

$$\text{XNS - 228-229 REMAINDER -} = 21,199 \text{ cu. yds}$$

$$227 - 228 - \frac{2}{3} \text{ OF REMAINDER} = \frac{2}{3} \times 42,435 = 28,290 \quad \checkmark \quad \checkmark$$

$$226 - 227 - \frac{3}{2} \times 61,930 = 41,286 \quad \checkmark \quad \checkmark$$

$$225 - 226 - \frac{1}{2} \times 62,689 = 31,344 \quad \checkmark \quad \checkmark$$

$$\text{TOTAL STRIP W.O} = 122,119 \quad \checkmark \quad \checkmark$$

Dredge # 8

Sept 1950

Dredge Operated 30 days
 Dredge Dug 647 hrs 45 Min = 27.0 days = 89.97 90
 Dredge Lost 72 " 15 " 3.0 " 10 03 90

Av. ht. of Bank 1.3
 " Depth 19.6
 Total 20.9

Surface $\begin{array}{r} 2910 \\ 1731 \\ \hline 1179 \end{array}$ $\begin{array}{r} 4094 \\ 29.10 \\ \hline 1184 \end{array}$ $1181 \times 17.57 =$ 20750 32 yd.

Bed rock $\begin{array}{r} 5245 \\ 4078 \\ \hline 1167 \end{array}$ $\begin{array}{r} 6423 \\ 5245 \\ \hline 1178 \end{array}$ $\begin{array}{r} 7590 \\ 6423 \\ \hline 1167 \end{array}$ $1167 \times 17.57 =$ 20504 52 yd.
 41254

Average Area 20627

$20627 \times \frac{20.9}{3} =$ 143702 cu yds.

$\frac{143702}{30} =$ 4790.0 cu yds. per day elapsed time

$\frac{143702}{27.0} =$ 5322.3 running

Pond El. 1785.7
 Claims Dredged. 63-64
 Surface Area 4.29 Acres
 Av. width of cut 218
 Av. Length of cut 855

186750

184536

185643

Thaw Writoff.

Block 72 - Remainder

$$= 26204 \text{ Cuyds.}$$

$$\checkmark \quad 74 - \frac{1115}{18.5} - \frac{1767}{1115} \quad 650 \times \frac{17.57 \times 18.5}{3}$$

$$= 70417 \quad \checkmark$$

$$\checkmark \quad 75 - \frac{3494}{20.0} - \frac{3922}{3494} \quad 430 \times \frac{17.57 \times 20.0}{3}$$

$$= 50310 \quad \checkmark$$

$$\checkmark \quad 77 - \frac{3842}{20.1} - \frac{3877}{3842} \quad 34 \times \frac{17.57 \times 20.1}{3}$$

$$= 3978 \quad \checkmark$$

Total

$$= 150909 \quad \checkmark$$

Stripping Writoff

$\frac{1}{2}$ 227-228 - $\frac{1}{2}$ Remainder

$$= 7072 \text{ Cys}$$

226-227 - $\frac{1}{3}$ ✓

$$= 6881 \quad \checkmark$$

225-226 - $\frac{3}{4}$ ✓

$$= 23558 \quad \checkmark$$

224-225 - $\frac{4}{5}$ ✓

$$= 49868 \quad \checkmark$$

223-224 - $\frac{3}{5}$ ✓

$$= 37365 \quad \checkmark$$

$$\text{Total} = 124694 \quad \checkmark$$

Dredge 8 Oct, 1950

Dredge Operated. 31 days ✓
Dredge Ran 673 Hrs 0 Min. 2.804 Days = 90.46 %
Dredge Lost 71 " 1 " 2.96 " 9.54 %

Av. height of Bank 2.1 ✓
Av. Depth 16.5 ✓
Total. 18.6 ✓

Surface: $\frac{6469}{5022} \frac{7848}{6469}$ 1378 x 17.57 = 24211 Sq. Yd
1377 ✓ 1379 ✓

Bed Rock: $\frac{9194}{7835} \frac{10550}{9194}$ 1363 x 17.57 23948 ✓ Sq. Yd.
1369 1356 ✓
1359

Av. Area 24080 ✓ Sq. Yd.

24080 x $\frac{18.6}{3}$ = 149296 Cu Yd ✓

$\frac{149296}{31}$ = 4816 Cu Yd per Elapsed Day. ✓

$\frac{149296}{28.04}$ 5324.4 ✓ Cu Yd per Running Day.

Pond E1: 1779.5

Claims Dredged. 64-65 Sulphur

Area = 5.00 Acres

Av. Width of Cut = 200 ft

Av. Length of Cut = 1089 ft.

217899 ✓

215532 ✓

216720 ✓

Thaw Write Off

$$\begin{array}{rcl}
 \text{Block 75} & - & \text{Remainder} \\
 20.0 & & \\
 \text{Block 77} & - & \begin{array}{r} 1508 \quad 1523 \\ 1494 \quad 1508 \\ \hline 14 \quad 15 \end{array} \\
 20.1 & &
 \end{array}
 \quad
 \begin{array}{r}
 15 \times 17.57 \times \frac{6.7}{3} = 1770 \quad \checkmark \\
 \hline
 \text{Total} = 6227 \quad \checkmark
 \end{array}
 = 4457 \text{ Cu.Yds.}$$

Stripping Write Off

$$\begin{array}{rcl}
 X^n & 226-225 & - \text{1/4 Remainder} \\
 X^n & 225-224 & - \text{1/4} \\
 X^n & 224-223 & - \text{1/40} \quad \checkmark
 \end{array}
 \quad
 \begin{array}{r}
 = 522 \text{ Cu.Yds.} \\
 = 3116 \quad \checkmark \\
 = 1245 \quad \checkmark \\
 \hline
 \text{Total} = 4883 \quad \checkmark
 \end{array}$$

Dredge 8.

Nov. 1950
Shut Down Nov. 5, 7 A.M.

Dredge Operated 4 days

Dredge Dug 77 hrs. 30 min = 3.23 days = 80.73 %

Dredge Lost 18 " 30 " = 0.77 " = 19.27 %

Av. height of Bank = 2.0 ft.

Av. Depth = 19.0 "

Total = 21.0 "

Area

Surface :

$\frac{8094}{8027}$
67

$\frac{8153}{8084}$
59

$\frac{8218}{8153}$
65

66 X 17.57

1160

Sq. Yd.

Bedrock:

$\frac{8280}{8212}$
68

$\frac{8342}{8280}$
62

65 X 17.57

1142

Sq. Yd.

Av. Area

= 1151

$$\frac{1151 \times 21.0}{3} = 8057 \text{ Cu. Yds}$$

$$\frac{8057}{4} = 2014 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{8057}{3.23} = 2494 \text{ " " " running "}$$

Pond El
Claims Dredged.

1779.5
64-65 Sulphur

Area:

0.24 Acres

Av. Width of Cat
" Length " "

205 feet
51 "

$$100 \times 100 = 10000 \text{ sq ft} = 124 \text{ sq yd}$$

$$100 \times 10 = 1000 \text{ sq ft} = 124 \text{ sq yd} \sim 175.70$$

$$\frac{17570}{3} = 5857$$

$$\frac{100 \times 10}{3}$$

$$\frac{1000.5 \text{ sq ft per unit}}{17.57}$$

$$\frac{1757 \times 100}{3}$$

$$\frac{17.57 \times 1000}{3} = 5856$$

Repeat Stock No. 7414

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