

DR. N^o 11

Dredge No 1 and No 11



"END-BOUND" BLANK BOOKS
PROTECTED AT POINTS OF GREATEST WEAR

BROWN & GREEN RULING
ON GREEN TINTED PAPER

740 $\frac{1}{2}$	UNRULED
741 $\frac{1}{4}$	QUADRILLE, (NOT PAGED)
741 $\frac{1}{2}$	FAINT
752	TWO COLUMNS
753	THREE COLUMNS
754	FOUR COLUMNS
755	FIVE COLUMNS
756	SIX COLUMNS
756 $\frac{1}{2}$	SIX COLUMNS, DIVIDED
757	SEVEN COLUMNS
758 $\frac{1}{2}$	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

75 Buckets (New)

1" = 50'
 Factor = 4.52
 = Sq. Yds.

Dredge No 1 May 1938
 Dredge started May 12 - 11:00pm.
 Dredge operated 19.33 days

✓ dug 432 hrs. — min. = 18 days = 93.10%
 ✓ lost 32 — — — = 1.33 days = 6.90%

Avg. Hgt. of Bank = 3.7 Feet.

✓ Depth = 16.7 —
 Total Depth = 20.4 —

Surface

6482	6673
6291	6482
191	191

191 x 4.52 = 863 Sq. Yds.

Bedrock

6841	7021
6661	6841
180	180

180 x 4.52 = 814 Sq. Yds.

2 | 1677

Avg. Area = 839 Sq. Yds

$\frac{839 \times 20.4}{3} = 5705 \text{ Cu. Yds.}$

$\frac{5705}{19.33} = 295 \text{ Cu. Yds. per day elapsed time}$

$\frac{5705}{18} = 317 \text{ — — — — running time}$

1" = 50'

Factor = 4.52

~ 59 Yds.

Vernier at 34

Dredge No 1 June 1938

Dredge operated 16 days

✓ dug 353 hrs. 55 min. = 14.75 days = 92.17%

✓ lost 30 " 05 " = 1.25 " = 7.83%

Avg. Hgt of Bank = 3.4 Feet.

✓ Depth = 15.0 "

Total Depth = 18.4 "

Surface

1207	1677
0740	1207
467	470

467 x 4.52 = 2120 Sq. Yds.

Bedrock

2041	2546
1639	2041
452	455

452 x 4.52 = 2052 " ✓

2 | 4172

Avg. Area = 2086 Sq. Yds.

$\frac{2086 \times 18.4}{3} = 12794$ Cu. Yds.

$\frac{12794}{16} = 800$ Cu. Yds. per day elapsed time.

$\frac{12794}{14.75} = 867$ " " " " running time.

1" = 50'

Factor 4.52

Sq. yds.

Vernier at 34

DREDGE N^o 1

Pond elev. 2985.4'

JULY 1938

DREDGE operated 31 days.

- dug 688 hrs. 50 min. = 28.7 days = 92.58% ✓
- lost 55 hrs. 10 min = 2.3 days = 7.42% ✓

Avg. hgt of bank = 3.6 ft. ✓

Avg. depth = 15.1 ft. ✓

Total depth 18.7 ft. ✓

SURFACE

1931	4206	6478
<u>9658</u>	<u>1931</u>	<u>4206</u>
2273	2275	2272

 ✓

= 2274 X 4.52 = 10278 sq. yds. ✓

BEDROCK

8554	0723	2894
<u>6390</u>	<u>8554</u>	<u>0723</u>
2164	2169	2171

= 2170 X 4.52 = 9808 ✓

2 (20086)
Avg. Area: 10043 sq. yds. ✓

10043 X 18.7/3 = 62601 cu. yds. ✓

$\frac{62601}{31} = 2019$ cu. yds per day - elapsed time ✓

$\frac{62601}{28.7} = 2181$ cu. yds per day - running time ✓

1" = 50'

Factor = 4.52

= Sq. yds

Vernier at 34

DREDGE N^o 1

August 1938

Dredge operated 31 days ✓

✓ dug 684 Hrs 15 min. = 28.51 days ✓ = 91.97 % ✓
lost 59 Hrs 45 min. = 2.49 days ✓ = 8.03 % ✓

Average Hgt of bank = 3.2 feet ✓

depth 15.9 ✓

Total depth. 19.1 ✓

Surface:

<u>4352</u> 1182 3170	<u>7511</u> 4352 3159	<u>0667</u> 7511 3156	<u>3823</u> 0667 3156
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= 3157 x 4.52 = 14270 ✓

Bedrock:

<u>6803</u> 3806 2997	<u>9797</u> 6803 2994	<u>2794</u> 9797 2997
-----------------------------	-----------------------------	-----------------------------

= 2996 x 4.52 = 13542 ✓

2 | 27812

Avg Area 13906 ✓

13906 Sq. yds x 19.1/3 = 88,535 Cu yds. ✓

88,535
31 = 2,856 Cu Yds per day Elapsed Time. ✓

88,535
2851 = 3,105 " " " " Running Time. ✓

Chkd J.P.S.

1" = 50'

DREDGE N^o 1

SEPTEMBER 1938

Factor 4.52

= Sq. yds.

Vernier at 34

DREDGE operated 30 days. ✓

✓ dug 657 Hrs. 45 min. = 27.41 days = 91.35 % ✓

✓ lost 62 Hrs. 15 min. = 2.59 " = 8.65 % ✓

Avg. Hgt of bank = 4.2 Feet ✓

✓ Depth = 15.3 " ✓

Total depth 19.5 " ✓

SURFACE:

8506	3273	5670
6113	0884	3279
2393	2389	2391

 = 2391 X 4.52 = 10807 Sq. yds. ✓

BEDROCK:

7955	0214	2474
5694	7955	0214
2261	2259	2260

 = 2260 X 4.52 = 10215 " " ✓

2/21022

Avg. Area = 10511 " "

10511 X 19.5/3 = 68322 cu. yds. ✓

$\frac{68322}{30}$ = 2277 cu. yds. per day: elapsed time ✓

$\frac{68322}{27.41}$ = 2493 " " " " : running time ✓

CHKD

[Signature]

1" = 50'

Factor 4.52

= Sq yds.

Vernier at 34

Dredge operated 25 days.

" dug 542 hrs = 22.58 days = 90.3%

" lost 58 " = 2.42 " = 9.7%

Avg Hgt of Bank 4.9 Feet

" Depth 16.2 "

Total Depth 21.1 "

$$\text{Surface: } \begin{array}{r} 2930 \\ 1951 \\ \hline 979 \end{array} \quad \begin{array}{r} 3908 \\ 2930 \\ \hline 978 \end{array}$$

$$= 979 \times 4.52 = 4425 \text{ Sq Yds}$$

$$\text{Bedrock: } \begin{array}{r} 4334 \\ 3415 \\ \hline 919 \end{array} \quad \begin{array}{r} 5253 \\ 4334 \\ \hline 919 \end{array}$$

$$= 919 \times 4.52 = 4154 \text{ " "}$$

$$2) \overline{8579}$$

$$\text{Avg Area } 4289$$

$$4289 \times \frac{21.1}{3} = 30166 \text{ Total Cu. Yds.}$$

$$\frac{30166}{25} = 1206 \text{ Cu. yds. per day elapsed time}$$

$$\frac{30166}{22.58} = 1336 \text{ " " " " Running Time}$$

J.R.S. Oct-2-38

Checked GGF

DREDGE No. 11

SEPTEMBER 1939

NOTE.

DREDGE No 11 STARTED DIGGING, ACTUALLY AT 2.20 PM SEPT 18th
LOST TIME SUMMARY FIGURED FROM 7 AM " "

SCALE 1" = 100'

DREDGE OPERATED 13 DAYS

FACTOR 18.07

vi DUG = 260 HRS 45 MINS. = 10.86 DAYS = 83.57%

$$= S\varphi. YDS$$

11. $Lost = 51 \text{ " } 15 \text{ " } = 2.14 \text{ " } = 16.43\%$

VERNIER AT 34

Ave Height of Bank = 3.8 Feet

" DEPTH = 23.7 "

TOTAL " = 27.5 "

Surface-

$$\begin{array}{r} 3119 \\ 2776 \\ \hline 343 \end{array}$$

$$344 \times 18.07 = 6216 \text{ Sq Yds.} = 55944 \text{ Sq Ft}$$

Bedrock :-

$$\begin{array}{r} 3746 \\ 3455 \\ \hline 291 \end{array}$$

$$291 \times 18.07 = 5258.13$$

$$2 \overline{) 11474}$$
$$\sqrt{737} \quad S_y \cdot yds = \text{Avg Area}$$
$$= 51633$$

$$\sqrt{\frac{737 \times 27.5}{3}} = \sqrt{2589} \text{ Co. Yds.}$$

$$\frac{52589}{13} = 4045 \text{ Ga.Yds per day elapsed time}$$

$$\frac{52589}{10.86} = 4842 \quad \checkmark \quad \text{digging time}$$

Pond Elev Oct 1 = 1185.0

Claims dredged = 59 Below Hunter

Surface Area = 1.28 Acres.

Avg Width Cut = 220'

length = 220'

DREDGE No 11

OCTOBER 1939

SCALE - 1" = 100'

FACTOR = 18.07

= SQ. YDS.

VERNIER AT 34

DREDGE OPERATED 31 DAYS

"

DUG

=

618 Hrs. 20 min = 25.76 days = 83.11 %

"

LOST

=

125 - 40 - = 5.24 - = 16.89 %

AVE HEIGHT OF BANK = 4.1 Feet

"

DEPTH

=

25.1 -

"

TOTAL "

=

29.2 -

SURFACE.

$$\begin{array}{r} 2524 \\ 1880 \\ \hline 644 \end{array}$$

$$\begin{array}{r} 3168 \\ 2524 \\ \hline 644 \end{array}$$

$$\begin{array}{r} 3808 \\ 3168 \\ \hline 640 \end{array}$$

= 643 x 18.07' = 11619 sq. yds

BEDROCK.

$$\begin{array}{r} 4509 \\ 3916 \\ \hline 588 \end{array}$$

$$\begin{array}{r} 5093 \\ 4504 \\ \hline 589 \end{array}$$

$$\begin{array}{r} 5682 \\ 5093 \\ \hline 589 \end{array}$$

= 589 (18.07) = 10643 -

2 | 22262

11131 -

$$\frac{11131 \times 29.2}{3} = 108341 \text{ cu. yds. Total}$$

$$\begin{array}{r} 11131 \\ 9 \\ \hline 100179 \end{array}$$

$$\frac{108341}{31} = 3495 \text{ cu. yds. per day (elapsed time)}$$

$$\frac{108341}{25.76} = 4206 \text{ cu. yds. per day (running time)}$$

Pond Elev Nov 1 - 1178.8

Claims dredged - 59 x 60 Below Hunter

Surface area - 2.40 acres.

Avg Width Cut - 200 Feet

Avg. length - 515'

$$\begin{array}{r} 11619 \\ 9 \\ \hline 104571 \end{array}$$

$$\begin{array}{r} 10643 \\ 9 \\ \hline 95787 \end{array}$$

$$\begin{array}{r} 11131 \\ 9 \\ \hline 100179 \end{array}$$

Scale 1" = 100'

Fac 18.07 =

Sq. yds.

Vernier at 34

DREDGE No 11

NOVEMBER. 1939.

DREDGE operated: 9 Days: (Down Nov 10 - 1041 am)

DUG: 189 Hrs. 15 min = 7.89 days = 87.62%

LOST: 26 " 45 " = 1.11 " = 12.38%

AVERAGE HEIGHT OF BANK - 5.5 Feet

DEPTH - 24.6

TOTAL - 30.1

SURFACE:

4836	5043	5250
4627	4836	5043
209	207	207

= 208 x 18.07 = 3759 Sq Yds

33831

BEDROCK

5460	5650	5841
5268	5460	5650
192	190	191

= 191 x 18.07 = 3451 (31019)

2) 7210

AVG AREA. 3605

32445

$3605 \times \frac{30.1}{3} = 36170$ Cu Yds

$\frac{36170}{9} = 4019$ Cu Yds. per. day Elapsed Time

$\frac{36170}{7.89} = 4584$ " " " Digging Time

Pond elev. = 1178.3'

Claims dredged. # 60 - #61 Below Hunter

Surface area: = 0.78 Acres.

Avg. width of cut = 220 Feet

length of cut. = 150

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

DREDGE No 11

APRIL 1940

STARTED APRIL 16th - 1:45 P.M.

LOST TIME SUMMARY APR. 16th - 7:00 A.M.

DREDGE operated 15 Days.

dug. 313 Hrs 35 min = 13.07 days. 87.11%
 lost 46 " 25 " = 1.93 " = 12.89%

Avg. Height of Bank 5.8 Feet

depth $\frac{26.9}{32.7}$

Total

SURFACE $\frac{6090}{337} \quad \frac{6770}{335} \quad \frac{7107}{337} = 337 \times 18.07 = 6090$ Sq. yds

BEDROCK $\frac{7828}{304} \quad \frac{8132}{304} = 304 \times 18.07 = 5493$

Avg. Area: $\frac{11583}{2} = 5792$

$5792 \times \frac{12.9}{32.7} = 63133$ cu. yds. Total (Fr 1x8)

$\frac{63133}{15} = 4209$ cu. yds per day elapsed time

$\frac{63133}{13.07} = 4830$ running time

Pond Elevation - 1178.5

Claims dredged - 60 + 61 Below Hunker

Surface Area - 1.26 Acres.

Avg Width of Cut - 200'

Length - 220'

No Thawing or Stripping Writeoff /

1" = 100'
Factor = 18.07 = Sq Yds.
Verrier at 34

Dredge No 11

May 1940

Dredge operated 31 days

- dug 675 hrs 25 min = 28.14 days = 90.78%
- lost 18" 35" = 2.86" = 9.72%

Avg Hgt Bank = 6.7 Feet

Depth = 25.7

Total = 32.4

Virgin Area Surface

4904	5319	5739	
4494	4904	5319	415 x 18.07 = 7499 Sq Yds
410	415	420	

Bedrock 6092 6805
5741 6453
351 352

352 x 18.07 = 6361
213860

Virgin Avg Area = 6930

6930 x $\frac{10.8}{3}$ = 74844 Cu Yds.

(149868)

Tailings Area Surface

1813	2348	3441	
1773	1813	2348	138 x 18.07 = 9722 Sq Yds
140	135	138	

9722 x $\frac{10.8}{3}$ = 104998 Cu Yds

6930
9722
16652

Virgin = 74844 Cu Yds

Tails = 104998

Total = 179842

$\frac{179842}{31}$ = 5801 Cu Yds per day elapsed time

$\frac{179842}{28.14}$ = 6391 - - - running -

Pond Elev. 1181.3

Claims dredged 59-60-61 Below Hunker

Surface area 3.56 Acres

Avg Width of Cut 200'

- Length - - 800'

No Stripping or Thawing Writest

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

DREDGE N° 11

JUNE, 1940

DREDGE OPERATED 30 days.

DREDGE DUG - 644 hrs 24 min = 26.85 days = 89.50%
 " LOST - 75 hrs 36 min = 3.15 days = 10.50%

AVG HEIGHT OF BANK = 4.9 FT.

AV. DEPTH " " = 23.7 "

TOTAL DEPTH 28.6

SURFACE - $\begin{array}{r} 1165 \\ 920 \\ \hline 785 \end{array} \quad \begin{array}{r} 2028 \\ 1163 \\ \hline 865 \end{array} \quad \begin{array}{r} 2878 \\ 2028 \\ \hline 870 \end{array} \quad \begin{array}{r} 3763 \\ 2878 \\ \hline 865 \end{array} = 867 \times 18.07 = 15667 \text{ Sq Yds}$

BED ROCK - $\begin{array}{r} 4574 \\ 3780 \\ \hline 824 \end{array} \quad \begin{array}{r} 5412 \\ 4574 \\ \hline 838 \end{array} \quad \begin{array}{r} 6247 \\ 5412 \\ \hline 835 \end{array} \quad \begin{array}{r} 7082 \\ 6247 \\ \hline 835 \end{array} = 836 \times 18.07 = 15106 \text{ " "}$
 AVG AREA. 15387 Sq Yds.

VIRGIN GROUND - $\begin{array}{r} 7509 \\ 7087 \\ \hline 421 \end{array} \quad \begin{array}{r} 7928 \\ 7508 \\ \hline 420 \end{array} \quad \begin{array}{r} 8348 \\ 7928 \\ \hline 420 \end{array} = 420 \times 18.07 = 7589 \text{ " "}$

(138483)

Total $15,387 \times \frac{28.6}{3} = 146,689 \text{ Cu Yds}$

VIRGIN $7,589 \times \frac{28.6}{3} = 72,348 \text{ Cu Yds}$ Virgin

Tailings $74,341 \text{ Cu Yds}$ Tailings

$\frac{146,689}{26.85} = 5463 \text{ Cu Yds per day Digging Time}$

$\frac{146,689}{30} = 4890 \text{ " " " " Elapsed Time}$

Pond Elev 1185.9

Claims dredged - 58+59 Below Hunter

Surface area - 3.24

Avg Width cut - 250'

✓ length - 500'

$\begin{array}{r} 15387 \\ 7589 \\ \hline 7798 \end{array}$

No Thawing Writeoff ✓

No Stripping Writeoff ✓

150799
13 ✓ 711

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

DREDGE #11

JULY 1940.

DREDGE OPERATED 31 DAYS.

" DUG 680 HRS 50 MIN = 28.37 DAYS = 91.517.
" LOST 63 " 10 " = 2.63 " = 8.497.

AVG HGT BANK = 6.3 FT.
" DEPTH = 22.9 "
TOTAL " = 29.2 "

Surface $\frac{0612}{9749} \frac{1475}{0612}$ $\frac{863}{863}$ $863 \times 18.07 = 15594$ Sq Yds

Bedrock = $\frac{7241}{1434} \frac{3849}{3043}$ $\frac{807}{806}$ $806 \times 18.07 = 14564$

$\frac{2}{30158}$
Avg Area = 15079

$15079 \times 29.2 = 146769$ Cu Yds. (135711)

$\frac{146769}{31} = 4734$ Cu Yds per day elapsed time

$\frac{146769}{28.37} = 5173$ running

Virgin $\frac{4656}{4145} \frac{5173}{4656}$ $\frac{511}{519}$ $511 \times 18.07 = 9306$ Sq. Yds. Surface

$\frac{3102}{9306 \times 29.2} = 90578$ Cu Yds. $\frac{8791 \times 29.2}{(avg area) 3} = 85566$ ay

Tailings - $\frac{146769}{85566}$
= 61203 Cu Yds

CHK'D GGF

Pond Elev 1189.3

Claims dredged - 17+58 Below Hunter

Surface area - 3.22 acres.

Avg Width cut - 285'

" Length - 450'

Thawing Writeoff

Block 1

$$\begin{array}{r} 0605 \\ 0436 \\ \hline 169 \end{array} \quad \begin{array}{r} 0773 \\ 0605 \\ \hline 168 \end{array} \quad \begin{array}{r} 0943 \\ 0773 \\ \hline 170 \end{array}$$

$$169 \times 167.6 = 27479 \times \frac{30}{27} = 3053 \checkmark \text{ Cu. Yds.}$$

1940 Thaw.

G.G.F

No Stripping

$$\begin{array}{r} 16380 \\ \hline 147420 \end{array}$$

$$\begin{array}{r} 16010 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 5439 \\ \hline 48951 \\ \hline 58469 \\ \hline 147420 \end{array} \quad \begin{array}{l} 8 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10941 \\ \hline 98469 \end{array}$$

$$\begin{array}{r} 174174 \\ \hline 57831 \\ \hline 116339 \end{array}$$

Scale 1" = 100'

Fac = 18.07 = 59 yds

Vernier @ 34

AUGUST 1940

DREDGE N° 11

Dredge operated 31 days ✓

Dug 679 hrs 37 min. ✓ = 28.32 days = 91.35% ✓
lost 64 - 23 - ✓ = 2.68 - = 8.65% ✓

Avg hgt Bank = 8.3 ✓ ft

Depth = 23.6 ✓ -

Total = 31.9 ✓ -

Surface $\begin{array}{r} 5213 \quad 6140 \quad 6069 \\ 4289 \quad 5213 \quad 6140 \\ \hline 924 \quad 927 \quad 929 \end{array}$ $927 \times 18.07 = 16750$ ✓ 59 Yds.

Bedrock $\begin{array}{r} 8793 \quad 9680 \\ 7927 \quad 8793 \\ \hline 886 \quad 887 \end{array}$ $886 \times 18.07 = 16010$ ✓

$2 \overline{) 32760}$ ✓

Avg Area = 16380 ✓

$\begin{array}{r} 5460 \\ 16380 \times 31.9 = 514174 \end{array}$ ✓ Cu.Yds.

(147 420)

$\frac{174174}{31} = 5618$ Cu.Yds per day elapsed time.

$\frac{174174}{28.32} = 6150$ ✓ - - - - - running

Virgin $\begin{array}{r} 0122 \quad 0422 \\ 9820 \quad 0122 \\ \hline 30 \quad 300 \end{array}$ $301 \times 18.07 = 5439$ ✓ 59 Yds.

$\begin{array}{r} 1813 \\ 5439 \times 31.9 = 57835 \end{array}$ ✓ Cu.Yds.

$\begin{array}{r} 174174 \\ - 57835 \\ \hline = 116339 \end{array}$ ✓ Cu.Yds. Tailings

$\begin{array}{r} 16380 \\ 5439 \\ \hline 10941 \end{array}$ Area Virgin
Tailings
GGF

Pond Elev - 1190.1

Claims dredged - 57 Below Hunter

Surface Area = 3.46 Acres.

Avg Width Cut - 380 Feet.

length - - 400 -

Thaw Witeoff

1940 Thaw

Block #1

$$\begin{array}{r} 3772 \\ 3484 \\ \hline 288 \end{array} \quad \begin{array}{r} 4341 \\ 4057 \\ \hline 284 \end{array}$$

$$286 \times 162.6 = 46503 \times \frac{30}{27} = 51670 \text{ Cuyds.}$$

No Stripping

1" = 100'
 Fac = 18.07
 = Sq. Yds.

Dredge No 11

September 1940

Dredge operated 30 days.

- dug 640 hrs 47 min = 26.70 days = 89.00 %
 - lost 99 - 13 - = 3.30 - = 11.00 %

Avg. Hgt Bank = 4.8 Ft.

- Depth = 25.3 -

Total = 30.1 -

Surface $\frac{7225}{816} \frac{8040}{815} \quad 815 \times 18.07 = 14727 \text{ Sq. Yds}$

Bedrock $\frac{9576}{775} \frac{9350}{774} \quad 775 \times 18.07 = 14004$
 $\frac{2}{28731}$
 Avg Area = 14365

(129 x 815)

$\frac{14365 \times 30.1}{3} = 144128 \text{ Cu. Yds}$

$\frac{144128}{30} = 4804 \text{ Cu. Yds per day elapsed time}$

$\frac{144128}{26.70} = 5399 \text{ - - - running -}$

Tailings $\frac{3684}{412} \frac{3100}{410} \frac{3515}{415} \quad 414 \times 18.07 = 7480 \text{ Sq. Yds.}$

$\frac{7480 \times 30.1}{3} = 75049 \text{ Cu. Yds Tailings}$

$\frac{144128}{- 75049} = 69079 \text{ Cu. Yds Virgin}$

G.L.F.

Pond Elev 1195.1

Claims dredged - 56457 Below Hunker

Surface Area - 3.04 Acres

Avg. Width cut - 375 Ft.

- Length - 350 -

THAWING WRITEOFF.

Block # 1	Remainder		68948 ca yds.
Block # 2	$\begin{array}{r} 1682 \\ 1622 \\ \hline 60 \end{array}$	$\begin{array}{r} 1742 \\ 1682 \\ \hline 60 \end{array}$	$60 \times 162.6 = 9756 \times \frac{29}{27} = 10479 \checkmark \checkmark$
All 1940 THAW.			Total. 79427 yds ³

STRIPPING WRITEOFF

NONE

Scale 1" = 100'

Fac 18.07 = sq. yds.

Vernier at 34

DREDGE No 11

OCTOBER 1940

DREDGE operated 31 Days

dug 680 Hrs 05 min = 28.34 days = 91.41%

lost 63 - 55 = 2.66 = 8.59%

Avg. Hgt of Bank = 5.2 Feet

Depth. 23.2

Total 28.4

SURFACE $\begin{array}{r} 9672 \quad 0474 \quad 1269 \\ 8875 \quad 9672 \quad 0474 \\ \hline 797 \quad 802 \quad 795 \end{array}$

798 x 18.07 = 14420 sq. yds.

BEDROCK $\begin{array}{r} 1978 \quad 2724 \quad 3467 \\ 1228 \quad 1978 \quad 2724 \\ \hline 750 \quad 746 \quad 743 \end{array}$

746 x 18.07 = 13480

$\begin{array}{r} 27900 \\ 13950 \end{array}$

13950 x 28.4/3 = 132060 cu. yds Total. (112550)

$\frac{132060}{31} = 4260$ cu. yds per day elapsed time

$\frac{132060}{28.34} = 4660$ cu. yds per day running time

Tailings $\begin{array}{r} 9726 \quad 9937 \\ 9514 \quad 9726 \\ \hline 212 \quad 211 \end{array}$ = 211 x 18.07 x $\frac{28.4}{3}$ = 36096 cu. yds.

Virgin 132060 cu. yds - 36096 cu. yds = 95964
Total. 132060

132060
36096
95964

Pond elev.

Claims dredged = 55-56 HUNTER CR.

Surface Area. 2.98 Acres.

Avg. Length of cut. 500'

Width - cut. 250'

$\begin{array}{r} 14420 \\ 3813 \\ \hline 10607 \\ 95463 \end{array}$

$\begin{array}{r} 13480 \\ 3813 \\ \hline 9667 \\ 87003 \end{array}$

$\begin{array}{r} 13450 \\ 3813 \\ \hline 10137 \\ 1133 \end{array}$

$\begin{array}{r} 3813 \\ 9 \\ \hline 3X317 \end{array}$

$\begin{array}{r} 13450 \\ 9 \\ \hline 125550 \end{array}$

Thawing Writzoff

$$\text{Block 2} - \frac{0409}{0227} = 18.4$$

$$\frac{0592}{0409} = 18.3$$

$$18.3 \times 16.6 \times 29.0 = 31960 \text{ CuYds}$$

No Stripping

1" = 100'
 Fac = 18.07
 = 59 Yds.

Dredge No 11

November 1940
 closed down Nov 20 - 3:30 a.m.

Dredge operated 19 days.

dug 331 hrs 13 min = 13.80 days = 72.64%

lost 124 - 47 = 77 = 27.36%

Avg Hgt Bank = 4.8 Ft.

Depth = 21.0

Total = 25.8

Surface

9427
 9225
 202

9630
 9422
 208

203 x 18.07 = 3668 Sq yds.

Bedrock

9042
 9754
 188

0132
 9942
 190

189 x 18.07 = 3415

7083

Avg Area = 3541

3541 x $\frac{8.6}{2} = 30453$ Cu. yds

(31869)

$\frac{30453}{19} = 1603$ cu. yds per day elapsed time

$\frac{30453}{13.80} = 2207$ running

chk'd GGF

Pond Elev. 1196.0

Claims dredged 54 + 55 Below Munker

Surface area = 0.76 acres.

Avg. Width of cut = 260 Ft.

length = 115

Thawing Writeoff

$$\text{Block 2} - 45 \times 158.1 = \frac{7114 \times 29}{27} = 7641 \text{ Cu Yds.}$$

$$1'' = 100'$$

$$Fac = 17.57$$

$$= Sq. Yds$$

Dredge No 11 - April 1941 - Started Apr 25 - 9:30pm.
Lost Time Apr 25 - 7:00 am

Dredge operated 6 days

$$\begin{aligned} & \text{dug } 117 \text{ hrs } 57 \text{ min} = 4.91 \text{ days} = 81.91\% \\ & \text{lost } 26 \text{ } 03 \text{ } = 1.09 \text{ } = 18.09\% \end{aligned}$$

$$\text{Avg Hgt of Bank} = 4.5 \text{ Feet}$$

$$\text{Below} = 21.2$$

$$\text{Total Depth} = 25.7$$

$$\text{Surface} - \frac{0420}{037} = 45$$

$$\frac{0465}{0420} = 45$$

$$45 \times 17.57 = 791 \text{ Sq. Yds}$$

$$\text{Bedrock} - \frac{0485}{0447} = 38$$

$$\frac{0524}{0485} = 39$$

$$38 \times 17.57 = 667$$

$$2 \overline{) 1458}$$

$$\text{Avg Area} = 729$$

$$= 6561 \text{ Sq. Ft}$$

$$\frac{243}{729 \times 25.7} = 6845 \text{ Cu. Yds}$$

$$\frac{6845}{6} = 1041 \text{ Cu. Yds per day elapsed time}$$

$$\frac{6845}{4.91} = 1272 \text{ running time}$$

Pond Elev - 1196.9
Claims dredged - 54 Below Hunter
Surface area - 0.16 Acres
Avg Width Cut - 260 Ft.
Length - 40

THAWING WRITEOFF

UNIT # 2 Remainder = 46393 cu. yds

UNIT # 3 $\frac{2187}{1866} \frac{2513}{2187} \frac{2840}{2513} = 326 \times 158.1 = 51541 \times \frac{29.9}{27} = 55359$ cu. yds
 Total. 101,752

STRIPPING WRITEOFF

X Line # No stripping write off

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

DREDGE N^o 11

MAY 1941

DREDGE OPERATED 31 DAYS

DUG 696 Hrs 38 min. = 29.03 days = 93.63%

LOST 147 - 22 - 1.97 - 6.37%

Avg. Height of Bank = 3.6 Feet

- Depth = 24.3 -
 Total. = 27.9 -

SURFACE $\frac{8481}{7805}$ $\frac{9161}{8481}$ $\frac{9841}{9161}$
 676 680 680 $679 \times 17.57 = 11930$ sq. yds.

BEDROCK $\frac{0486}{9851}$ $\frac{1118}{0486}$ $\frac{1755}{1118}$
 635 632 637 $635 \times 17.57 = 11157$ -
 2 | 23087 -
 11544 -

$11544 \times \frac{27.9}{3} = 107359$ cu. yds. Total.

$\frac{107359}{31} = 3463$ cu. yds per day - elapsed time

$\frac{107359}{29.03} = 3698$ cu. yds. per day - running time

TAILINGS $\frac{1498}{1420}$ $\frac{1577}{1498}$ = $78 \times 17.57 = 1370$ sq. yds $\times \frac{27.9}{3} = 12741$ yds³

VIRGIN $107359 - 12741 = 94618$ cu. yds.

11930 11157
 1370 1370
 Surface 10560 9787 BR
 9 9
 95040 88083

Avg $\frac{1370}{9}$
 11544
 1370
 10174
 9
 91566

Pond Elevation - 1205.1
 Claims dredged - 54 Below Hunter
 Surface Area - 2.46 Acres
 Avg Width Cut - 350 Ft.
 Length - 300 -

11544
 9
 103896

Thawing Writeoff

Block 3 - Remainder

= 55576 Culls.

$$\begin{array}{r} \text{Block 4 - } 0977 \\ 0744 \\ \hline 233 \end{array} \quad \begin{array}{r} 1208 \\ 0977 \\ \hline 231 \end{array}$$

$$232 \times 158.1 = 36679 \quad \times \frac{19.0}{17} = 39396$$

$$\text{Total Writeoff} = 94972$$

No Stripping Write off

S.	BR.	Arg	Virgin
14776	14056	14416	10419
9	9	9	9
132984	126504	129744	93771
35973	35973	93771	
97011	90531	35973 Tails.	

1" = 100'

Vernier st 34

Fac = 17.57 = Sq Yds

Dredge No 11

June 1941

Dredge operated 30 days

- dug 16 hrs 10 min = 27.72 days = 92.387

- lost 54 50 = 2.28 = 7.62

Avg Hgt Bank = 4.6 Ft.

- Depth = 24.9

Total = 29.5

Surface

9804

8962

842

6644

9804

840

1485

0644

841

841 x 17.57 = 14776 Sq Yds.

Bedrock

2365

1570

795

3168

2365

803

3968

3168

800

800 x 17.57 = 14056

28832

Avg Area = 14416

14416 x 29.5 = 141757 Cu Yds.

141757 / 30 = 4725 Cu Yds. per day elapsed time

141757 / 27.72 = 5114 - - - running -

Virgin Area

4364

3771

593

4957

4364

593

5150

4957

593

593 x 17.57 = 10419 Sq Yds.

10419 x 29.5 = 102453 Cu Yds.

141757 Cu Yds. total

- 102453 - - Virgin

= 39304 - - Tails.

all B

Pond Elev. - 1216.9

Claims dredged - 53 + 54 Below Hunker

Surface Area - 3.05 Acres

Avg Width Cut - 380 Ft.

- Length - 320 -

Thawing Writeoff

Remainder of A - 17927 Cu.Yds. ✓

No Stripping

✓ 17323 ✓
39396 ✓
17927 ✓

5	BR	Aug	Virgin	11420 ✓
15602	14864	15233	3813	9 ✓
9	9	9	9	
140418 ✓	133776 ✓	137097 ✓	34317 ✓	102780
TRAIL 102780	102780	102780 ✓		
V-37638	V-30996	V-34317 ✓		

Pond Elev 1218.9

Claims dredged 52-53 Hunker

Surface Area - 3.22 Acres

Avg Width Cut - 370 Ft.

Length - - 380 ✓

$$1'' = 100'$$

V at 34

$$Fac = 17.57 = Sq. Yds.$$

Dredge No. 11

July 1941

Dredge operated 31 days

$$- \text{dug } 19 \text{ hrs } 5 \text{ min} = 24.83 \text{ days} = 80.10\%$$

$$- \text{lost } 148 - 0 \text{ } = 6.17 = 19.90\%$$

$$\text{Avg Hgt. Bank} = 9.1 \text{ Feet}$$

$$- \text{Depth} = 23.0$$

$$\text{Total} = 32.1$$

Surface Area

$$\begin{array}{r} 8396 \\ 7509 \\ \hline 887 \end{array} \quad \begin{array}{r} 9285 \\ 8396 \\ \hline 889 \end{array}$$

$$888 \times 17.57 =$$

$$15602 \text{ Sq. Yds.}$$

Bedrock Area

$$\begin{array}{r} 0184 \\ 9243 \\ \hline 939 \end{array} \quad \begin{array}{r} 0936 \\ 0182 \\ \hline 927 \end{array} \quad \begin{array}{r} 1780 \\ 0939 \\ \hline 841 \end{array} \quad \begin{array}{r} 2630 \\ 1784 \\ \hline 846 \end{array}$$

$$846 \times 17.57 = 14864$$

$$2 \overline{) 30466}$$

$$\text{Avg. Area} = 15233$$

$$15233 \times \frac{10.7}{32.1} = 162993 \text{ Cu. Yds}$$

$$\frac{162993}{31} = 5258 \text{ Cu. Yds per day elapsed time}$$

$$\frac{162993}{24.83} = 6564 \text{ running}$$

Virgin Area

$$\begin{array}{r} 4407 \\ 4190 \\ \hline 217 \end{array} \quad \begin{array}{r} 4626 \\ 4407 \\ \hline 219 \end{array} \quad \begin{array}{r} 4843 \\ 4626 \\ \hline 217 \end{array}$$

$$217 \times 17.57 = 3813$$

Sq. Yds

$$3813 \times \frac{10.7}{32.1} = 40799 \text{ Cu. Yds.}$$

$$162993 - \text{Total}$$

$$= 40799 - \text{Virgin}$$

$$= 122194 - \text{Cu. Yds. Tails.}$$

$$\begin{array}{r} 15233 \text{ Avg} \\ 3813 \text{ Virgin} \\ \hline 11420 \text{ Tailings Area} \end{array}$$

3813

THAWING WRITE-OFF.

BLOCK #5: $\frac{7432}{7298} \frac{7706}{7572} = 134 \times 158.1 = 21,185.5 \text{ sq ft} \times \frac{30.4}{27} = 23,853 \text{ Cu Yds}$

BLOCK #6: $\frac{7575}{7283} \frac{7865}{7575} = 291 \times 158.1 = 46,007.5 \text{ sq ft} \times \frac{27.0}{27} = 46,007 \text{ Cu Yds}$

Total. 69,860 Cu Yds.

NO STRIPPING WRITE-OFF.

Sur	BR	Rvg.	Tails
14038	13417	13827	4094
<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>
126342	122553	124443	36846
<u>36846</u>	<u>36846</u>	<u>36846</u>	
89496	85707	87597	

1" = 100'

Volume @ 34.0

Factor - 17.57 = Sq Yds.

DREDGE No 11

AUGUST 1941.

DREDGE OPERATED 31 days.

" DUG = 558 hrs 30 min. = 23.27 days = 75.07%

" LOST = 185 " 30 " = 7.73 " = 24.93%

AVG HGT. OF BANK = 7.6 ft

" DEPTH = 22.3 "

TOTAL DEPTH = 29.9 "

SURFACE $\frac{2293}{796} \frac{3091}{798} \frac{3891}{800} = 799 \times 17.57 \text{ Sq Yds.} = 14,038 \text{ Sq Yds.}$

BEDROCK $\frac{4628}{775} \frac{5396}{771} \frac{6174}{775} = 775 \times 17.57 \text{ Sq Yds.} = 13,617 \text{ Sq Yds.}$

2 | 27 655

AVG AREA 13,827.5 Sq Yds.

$\frac{4609}{13827} \times 29.9 \frac{1}{3} = 137,809 \text{ Cu Yds (Total)}$

$\frac{137,809}{31} = 4445 \text{ Cu Yds Per Day. Elapsed Time}$

$\frac{137,809}{23.27} = 5922 \text{ Cu Yds Per Day Digging Time}$

TAILINGS $\frac{6300}{235} \frac{6532}{232} \frac{6765}{233} = 233 \times 17.57 \text{ Sq Yds.} = 4094 \text{ Sq Yds.} \times \frac{29.9}{3} = 40,804 \text{ Cu Yds}$

VIRGIN = $137,809 - 40804 \text{ Cu Yds.} = 97,005$

TOTAL 137,809

Pond Elev - 1420.6

Claims dredged - 51 x 52 Below Hunker

Surface Area - 2.90 Acres.

Avg Width Cut - 420 ft

Length - 300

Thawing Writeoff

Block 5 - Remainder				= 6775 Cu.Yds.
- 6 - Remainder				= 61066 - -
- 7 -	$\begin{array}{r} 4875 \\ 4836 \\ \hline 39 \end{array}$	$\begin{array}{r} 4913 \\ 4875 \\ \hline 38 \end{array}$	$38 \times 118.1 = 6008 \times \frac{28.9}{27}$	= 6431 - -
- 8 -	$\begin{array}{r} 4959 \\ 4920 \\ \hline 39 \end{array}$	$\begin{array}{r} 4997 \\ 4959 \\ \hline 38 \end{array}$	$38 \times 118.1 = 6008 \times \frac{25.2}{27}$	= 5607 - -
			Total =	140856 - -

Stripping Writeoff

X ² 26 -		0	$58 \times 58.56 = 3396$ Cu.Yds
X ² 27 -	$\begin{array}{r} 8711 \\ 8594 \\ \hline 117 \end{array}$	$\begin{array}{r} 8827 \\ 8711 \\ \hline 116 \end{array}$	$123 \times 58.56 = 7203$ ✓
X ² 28 -	$\begin{array}{r} 9899 \\ 9770 \\ \hline 129 \end{array}$	$\begin{array}{r} 9931 \\ 9899 \\ \hline 132 \end{array}$	= 3796 ✓
X ² 29	111		Total = 14395 ✓

Scale 1" = 100'

Vernier @ 34.00

Factor 17.57 = Sq Yds

DREDGE No 11

SEPTEMBER 1941

DREDGE OPERATED 30 days.

" DUG = 658 hrs. 40 min. = 27.44 days = 9.48 %

" Lost = 61 " 20 min. = 2.56 days = 8.52 %

Avg Hgt of Bank = 5.3 Ft

" DEPTH = 24.0 "

TOTL DEPTH = 29.3 "

Surface - $\begin{array}{r} 5927 \\ 5248 \\ \hline 679 \end{array}$ $\begin{array}{r} 1608 \\ 1917 \\ \hline 681 \end{array}$ $680 \times 17.57 = 11948$ Sq Yds.

Bedrock - $\begin{array}{r} 7227 \\ 6611 \\ \hline 616 \end{array}$ $\begin{array}{r} 7997 \\ 7340 \\ \hline 657 \end{array}$ $\begin{array}{r} 8661 \\ 7997 \\ \hline 664 \end{array}$ $\begin{array}{r} 9319 \\ 8661 \\ \hline 658 \end{array}$ $660 \times 17.57 = 11596$ Sq Yds.
2) 23544

Avg Area = 11772 Sq Yds.

$\begin{array}{r} 3924 \\ 11772 \times \frac{29.3}{3} = 114,973 \end{array}$ Cu Yds

$\frac{114973}{30} = 3832$ Cu Yds Per Day. Elapsed Time

$\frac{114973}{27.44} = 4190$ " " " Digging Time.

Pond Elev = 1217.1

Claims dredged = 51 Below Hunter

Surface Area = 2.47

Avg Width Cut = 450 Ft

Length Cut = 230 Ft.

$\begin{array}{r} 11948 \\ 9 \\ \hline 10753 \end{array}$ $\begin{array}{r} 11596 \\ 9 \\ \hline 104364 \end{array}$ $\begin{array}{r} 11772 \\ 9 \\ \hline 105948 \end{array}$

THAWING WRITEOFF

UNIT #7 REMAINDER

= 107.088 Cu. Yds.

$$\begin{array}{r} \text{# 8} \quad \frac{1514}{1450} \quad \frac{1576}{1514} = 63 \times 158.1 - 9960 \times \frac{252}{27} = 9296 \text{ Cu. Yds.} \\ \quad \quad \quad 64 \quad \quad \quad 62 \quad \quad \quad \text{TOTAL} \quad \underline{116,384} \end{array}$$

STRIPPING WRITEOFF

$$\begin{array}{r} \text{X}^{\text{#}} 24 \quad \frac{0971}{0892} \quad \frac{1050}{0971} = 79 \\ \quad \quad \quad 79 \quad \quad \quad 79 \end{array}$$

$$168 \times 58.56 = 9838 \text{ Cu. Yds.}$$

$$\begin{array}{r} \text{X}^{\text{#}} 25 \quad \frac{0722}{0465} \quad \frac{0978}{0722} = 257 \\ \quad \quad \quad 257 \quad \quad \quad 256 \end{array}$$

$$251 \times 58.56 = 14699 \text{ " "}$$

$$\begin{array}{r} \text{X}^{\text{#}} 26 \quad \frac{0678}{0432} \quad \frac{0922}{0678} = 245 \\ \quad \quad \quad 246 \quad \quad \quad 244 \end{array}$$

$$171.5 \times 58.56 = 10043 \text{ " "}$$

$$\begin{array}{r} \text{X}^{\text{#}} 27 \quad \frac{0840}{0741} \quad \frac{0932}{0840} \quad \frac{1029}{0932} = 98 \\ \quad \quad \quad 99 \quad \quad \quad 92 \quad \quad \quad 97 \end{array}$$

$$49 \times 58.56 = 2868 \text{ " "}$$

X[#] 28

0

$$\text{TOTAL. } 37,449 \text{ Cu. Yds.}$$

37496

GGF.

49
47
16
1

Scale 1" = 100'

Fac. 17.57 - 39 yds.

Vernier @ 34.

DREDGE No 11

OCTOBER 1941

DREDGE OPERATED 31 DAYS.

DUG 647 Hrs 20 Min. = 26.97 Days = 87.01%

LOST 96 - 40 = 4.03 = 12.99%

AVG. HEIGHT of BANK: 6.4 Feet

DEPTH

23.2

TOTAL

29.6

SURFACE

1411
0780
631

2046
1411
635

2681
2046
635

= 635 x 17.57 = 11157 39 yds.

BEDROCK

3899
3288
611

4510
3899
611

= 611 x 17.57 = 10735

2 | 21892

Avg. Area 10946

10946 x 29.6/3 = 108000 Cu. yds. TOTAL.

108000

31 = 3484 Cu. Yds per day Elapsed Time

108000

26.97 = 4004 Running Time

CH'd GGP.

Pond Elev - 1718.7

Claims dredged - 50 x 51 Bel Hunter

Surface Area - 2.30 Acres.

Avg Width Cut - 325'

Length - 300'

11157
9
100413

10735
9
96615

10946
9
98514

Thawing Writeoff

$$\text{Block 11} - 17 \times 158.1 = 2688 \times \frac{26.0}{27} = 2588 \text{ Cu.Yds.} \checkmark$$

1941 Thaw

$$\text{Between 24-25} = 930 \text{ Cu.Yds.} \checkmark$$

Dredge No 11 - November 1941
 Dredge shut down Nov 2 - 1:00 pm
 Lost Time Summary - Nov 2 - 7:00 a.m.

Dredge operated 1 day

- dug 14 hrs 45 min = 0.61 days = 61.43%
 - lost 9 - 15 - = 0.39 - = 38.54%

Avg Hgt Bank = 6.0 ft -

✓ Depth = 22.0 -

Total ✓ = 28.0 -

Avg Area $\frac{8490}{17} \quad \frac{8507}{17} \quad 17 \times 17.57 = 299 \text{ Sq Yds}$

$299 \times \frac{28.0}{3} = 2791 \text{ Cu Yds. (Total \& elapsed time)}$

$\frac{2791}{0.61} = 4575 \text{ Cu Yds per day running time.}$

Claims dredged - 50 Below Hunker
 Surface Area - 0.06 Acres
 Avg Width Cut - 170'
 Length Cut - 70'

4840 / 10000 (.06)

$\frac{299}{4}$
 74.75

THAWING WRITE OFF =

$$\text{BLOCK 11} - \frac{202 \times 26}{3} = 1751 \text{ CUB YDS.}$$

STRIPPING WRITE OFF =

$$\text{BETWEEN X-23 \& X-24} - \frac{202 \times 13}{3} = 875 \text{ CUB. YDS}$$

DREDGE N° 11

APRIL 1942

1" = 100'
FACTOR = 17.57
= SQ YDS

DREDGE STARTED APR 25TH 3.00 P.M.
LOST TIME STARTS APR 25TH 7.A.M.

DREDGE OPERATED 6 DAYS

✓ DUG - 100 Hrs 15 MIN - 4.18 DAYS = 69.62%
✓ LOST - 13 " 45 " - 1.82 ✓ = 30.38%

AVE HEIGHT OF BANK = 6.0'

✓ DEPTH BELOW WATER = 22.8'

TOTAL DEPTH = 28.8'

SURFACE = $\frac{0659}{0648} \frac{0670}{0659} = 11 \times 17.57 = 193$ SQ. YDS ✓

BED ROCK = $\frac{0688}{0676} \frac{0696}{0688} \frac{0708}{0696} = 12 \times 17.57 = 211$ ✓ ✓
 $\frac{211}{2} = 105.5$ ✓
202 ✓ SQ. YDS

$202 \times \frac{28.8}{3} = 1939$ CU YDS

$\frac{1939}{6} = 323$ CU YDS PER DAY ELAPSED TIME

$\frac{1939}{4.18} = 464$ ✓ ✓ ✓ ✓ RUNNING TIME

Pond Elev - 1218.6
CLAIMS DREDGED - N° 50 BELOW HUNKER
SURFACE AREA = .04 ACRES ✓
AVE WIDTH OF CUT = 140'
✓ LENGTH " " = 10'

$\frac{193}{9} = 1737$
 $\frac{211}{9} = 1899$
 $\frac{202}{9} = 1818$

Thawing Writeoff

$$\text{UNIT} \# 11 \quad \frac{2602}{2282} \quad \frac{2920}{2602} = 319 \times 158.1 \times \frac{26.0}{27} = 48566 \text{ Cu. Yds.} \checkmark$$

$$\text{UNIT} \# 12 \quad \frac{3018}{2941} \quad \frac{3096}{3018} = 78 \times 158.1 \times \frac{27.0}{27} = 12332 \text{ Cu. Yds.} \checkmark$$

$$\text{TOTAL WRITE OFF} = 60,898 \text{ Cu. Yds.} \checkmark$$

Stripping Writeoff

X-Lines

21

1/5 of #22

$$35 \times 58.56 = 2050 \text{ Cu. Yds}$$

22

$$\frac{3096}{2923} \quad \frac{3272}{3096} = 175$$

$$264 \times 58.56 = 15460 \text{ Cu. Yds}$$

23

$$\frac{3764}{3412} \quad \frac{4119}{3764} = 353$$

$$327 \times 58.56 = 19149 \text{ Cu. Yds}$$

24

$$\frac{4974}{4673} \quad \frac{5276}{4974} = 301$$

$$60 \times 58.56 = \frac{3514}{5276} \text{ Cu. Yds}$$

25

$$\text{TOTAL WRITE OFF} = \frac{41929}{40173} \text{ Cu. Yds.}$$

checked J.C.C.

DREDGE No 11

MAY 1942

Scale 1" = 100'

Fac. 17.57

sq. yds.

Dredge operated 31 Days -

- dug 683 Hrs 59 min. = 28.50 days = 91.93% -

- lost 60 - 01 min. = 2.50 - 8.07% -

Avg. Height of Bank = 5.1 Feet -

- Depth = 22.9 -

Total = 28.0 -

Surface: $\begin{array}{r} 0472 \\ 0072 \\ \hline 400 \end{array}$ $\begin{array}{r} 0867 \\ 0472 \\ \hline 395 \end{array}$ $\begin{array}{r} 1266 \\ 0867 \\ \hline 399 \end{array}$ = $398 \times 17.57 = 6993$ Sq Yds

Bedrock: $\begin{array}{r} 1657 \\ 1284 \\ \hline 373 \end{array}$ $\begin{array}{r} 7026 \\ 1657 \\ \hline 369 \end{array}$ = $371 \times 17.57 = 6518$ Sq Yds

AVE AREA = 6756 Sq. Yds

$\begin{array}{r} 2252 \\ 6756 \\ \hline 3 \end{array} \times 28.0 = 63056$ TOTAL CU. YDS -

$\begin{array}{r} 63056 \\ 31 \\ \hline \end{array} = 2034$ CU. YDS PER DAY ELAPSED TIME

$\begin{array}{r} 63056 \\ 28.50 \\ \hline \end{array} = 2212$ - - - - - DIGGING TIME

Pond elev. = 1218.3 -

Claims dredged. = 49-50 B.D. on HUNKER -

Surface area = 1.44 ACRES -

Avg. width of cut = 305 Feet -

- length - = 215 -

$\begin{array}{r} 6993 \\ 9 \\ \hline 69937 \end{array}$ $\begin{array}{r} 6518 \\ 9 \\ \hline 58662 \end{array}$ $\begin{array}{r} 6756 \\ 9 \\ \hline 60804 \end{array}$

THAWING WRITE OFF

$$\text{UNIT 12} \quad \begin{array}{r} 0428 \\ 9862 \\ \hline 566 \end{array} \quad \begin{array}{r} 0992 \\ 0428 \\ \hline 564 \end{array} = 565 \times 158.1 \times \frac{27}{27} = 89327 \text{ Cu Yds}$$

$$\text{UNIT 13} \quad \begin{array}{r} 1931 \\ 1432 \\ \hline 499 \end{array} \quad \begin{array}{r} 2430 \\ 1931 \\ \hline 499 \end{array} = 499 \times 158.1 \times \frac{19}{27} = 55517 \text{ Cu Yds}$$

$$\text{TOTAL WRITE OFF} = 144844 \text{ Cu Yds}$$

STRIPPING WRITE OFF

$$X-16 = \text{---} = 0 \quad 200 \times 58.56 = 11712 \text{ Cu Yds}$$

$$X-17 \quad \begin{array}{r} 8437 \\ 8034 \\ \hline 403 \end{array} \quad \begin{array}{r} 8835 \\ 8437 \\ \hline 398 \end{array} = 400 \quad 505 \times 58.56 = 29573 \quad \checkmark \checkmark$$

$$X-18 \quad \begin{array}{r} 9277 \\ 8667 \\ \hline 610 \end{array} \quad \begin{array}{r} 9885 \\ 9277 \\ \hline 608 \end{array} = 609 \quad 541 \times 58.56 = 31681 \quad \checkmark \checkmark$$

$$X-19 \quad \begin{array}{r} 0456 \\ 9979 \\ \hline 477 \end{array} \quad \begin{array}{r} 0926 \\ 0456 \\ \hline 470 \end{array} = 473 \quad 485 \times 58.56 = 28402 \quad \checkmark \checkmark$$

$$X-20 \quad \begin{array}{r} 1378 \\ 0881 \\ \hline 497 \end{array} \quad \begin{array}{r} 1872 \\ 1378 \\ \hline 494 \end{array} = 497 \quad 478 \times 58.56 = 27992 \quad \checkmark \checkmark$$

$$X-21 \quad \begin{array}{r} 2156 \\ 1696 \\ \hline 460 \end{array} \quad \begin{array}{r} 2613 \\ 2156 \\ \hline 457 \end{array} = 459 \quad \begin{array}{r} 367 \\ 372 \end{array} \times 58.56 = \begin{array}{r} 21491 \\ 21784 \end{array} \quad \checkmark \checkmark$$

$$X-22 \quad \begin{array}{r} 3517 \\ 3242 \\ \hline 275 \end{array} \quad \begin{array}{r} 3124 \\ 2848 \\ \hline 276 \end{array} = 276 \quad 138 \times 58.56 = 8081 \quad \checkmark \checkmark$$

$$X-23 = \text{---} = 0$$

$$\text{TOTAL WRITE OFF} = \begin{array}{r} 159225 \\ 15893 \end{array} \quad \checkmark \checkmark$$

SCALE = 1" = 100'

FACTOR = 17.57

SQ YDS

DREDGE NO 11

JUNE 1942

DREDGE OPERATED 30 DAYS

✓ DUG 655 HRS 0 MIN = 27.29 DAYS = 90.97%

✓ LOST 65 ✓ - 0 ✓ = 2.71 ✓ = 9.03%

AVE HEIGHT OF BANK = 2.2'

✓ DEPTH = 20.8'

TOTAL ✓ = 23.0'

SURFACE $\begin{array}{r} 3127 \\ 2087 \\ \hline 1040 \end{array}$ $\begin{array}{r} 4163 \\ 3127 \\ \hline 1036 \end{array}$ $\begin{array}{r} 5204 \\ 4163 \\ \hline 1041 \end{array}$ = 1039 X 1757 = 18255 SQ YDS

BEDROCK $\begin{array}{r} 7278 \\ 6296 \\ \hline 982 \end{array}$ $\begin{array}{r} 8265 \\ 7278 \\ \hline 987 \end{array}$ $\begin{array}{r} 9249 \\ 8265 \\ \hline 984 \end{array}$ = 984 X 1757 = 17289 SQ YDS

2 | 35544 ✓ ✓

AVE AREA = 17772 ✓ ✓

$\begin{array}{r} 5924 \\ 17772 \times 23 \\ \hline 3 \end{array}$ = 136252 CU. YDS TOTAL

$\begin{array}{r} 136252 \\ 30 \end{array}$ = 4542 ✓ CU. YDS PER DAY ELAPSED TIME

$\begin{array}{r} 136252 \\ 27.29 \end{array}$ = 4993 ✓ CU YDS ✓ ✓ DIGGING ✓

POND ELEV = 1218.5

CLAIMS DREDGED = 49 248A B.D. ON HUNKER ✓

SURFACE AREA = 3.77 ACRES ✓

AVE WIDTH OF CUT = 295

✓ LENGTH ✓ ✓ = 550

$\begin{array}{r} 18255 \\ 9 \\ \hline 164295 \end{array}$ $\begin{array}{r} 17289 \\ 9 \\ \hline 152601 \end{array}$ $\begin{array}{r} 17772 \\ 9 \\ \hline 159948 \end{array}$

Thawing Write off.

UNIT #	13	$\begin{array}{r} 8962 \\ 8840 \\ \hline 122 \end{array}$	$\begin{array}{r} 9088 \\ 8962 \\ \hline 126 \end{array}$	$\begin{array}{r} 9212 \\ 9088 \\ \hline 124 \end{array}$	$= 124 \times 158.1 \times \frac{19}{27} = 13794$
	14	$\begin{array}{r} 0214 \\ 9613 \\ \hline 601 \end{array}$	$\begin{array}{r} 0813 \\ 0214 \\ \hline 599 \end{array}$		$= 600 \times 158.1 \times \frac{18}{27} = 63240$ 31620
	15	$\begin{array}{r} 2058 \\ 1675 \\ \hline 383 \end{array}$	$\begin{array}{r} 2438 \\ 2058 \\ \hline 380 \end{array}$		$= 382 \times 158.1 \times \frac{16.4}{27} = 41154$

TOTAL WRITE OFF = ~~86568~~ Cw Yds
118188

STRIPPING WRITEOFF

X ² Line 11					= 0	
						$303 \times 58.56 = 17744$
	12	$\begin{array}{r} 1092 \\ 0487 \\ \hline 605 \end{array}$	$\begin{array}{r} 1699 \\ 1092 \\ \hline 607 \end{array}$	= 606		$617 \times 58.56 = 36132$
	13	$\begin{array}{r} 1114 \\ 0487 \\ \hline 627 \end{array}$	$\begin{array}{r} 1741 \\ 1114 \\ \hline 627 \end{array}$	= 627		$628 \times 58.56 = 36776$
	14	$\begin{array}{r} 4110 \\ 3480 \\ \hline 630 \end{array}$	$\begin{array}{r} 4739 \\ 4110 \\ \hline 629 \end{array}$	= 629		$628 \times 58.56 = 36776$
	15	$\begin{array}{r} 4532 \\ 3897 \\ \hline 635 \end{array}$	$\begin{array}{r} 5160 \\ 4532 \\ \hline 628 \end{array}$	$\frac{5788}{5160} = 629$		$600 \times 58.56 = 35136$
	16	$\begin{array}{r} 5871 \\ 5302 \\ \hline 569 \end{array}$	$\begin{array}{r} 6443 \\ 5871 \\ \hline 572 \end{array}$	= 571		$391 \times 58.56 = 22897$
	17	$\begin{array}{r} 6341 \\ 6130 \\ \hline 211 \end{array}$	$\begin{array}{r} 6551 \\ 6341 \\ \hline 210 \end{array}$	= 211		$105 \times 58.56 = 6149$
	18				= 0	

TOTAL WRITE OFF = 191610 Cw Yds

1942

99-100 Below Sulphur

1942 - 102295 Cu. Yds.

48 - Below Hunter

1942 - 100340 Cu. Yds

Scale 1" = 100'

Fac. 17.57 = sq. yds.

Vernier at 34

DREDGE N^o 11

July 1942

Dredge operated 31 Days

dug 648 Hrs - 36 MIN = 27.03 Days = 87.18%

lost 95 - 24 = 3.97 = 12.82%

Avg. Height of Bank = 4.1 Ft

Depth = 14.8

Total = 18.9

SURFACE - $\frac{4563}{3450} \frac{5679}{4563} = 1115 \times 17.57 = 19591$ Sq Yds

BEDROCK - $\frac{6677}{5698} \frac{7740}{6677} \frac{8804}{7740} = 1064 \times 17.57 = 18694$

2/38285

Ave Area = 19143 Sq Yds

$19143 \times \frac{6.3}{3} = 120601$ TOTAL CU. Yds.

$\frac{120601}{31} = 3890$ CU. Yds PER DAY ELAPSED TIME

$\frac{120601}{27.03} = 4462$ DIGGING

POND ELEVATION = 1219.3

CLAIMS DREDGED = 47-48-48A BELOW OH HUNKER

SURFACE AREA = ~~3.95~~ ACRES 4.05

AV. WIDTH OF CUT = 295 FT.

✓ LENGTH ✓ = 600 ✓

$\frac{19591}{9} = 176319$ $\frac{18694}{9} = 168246$ $\frac{19143}{9} = 172287$

THAWING WRITEOFF

UNIT #	15	$\frac{1331}{1098}$	$\frac{1564}{1331}$	=	233	X	158.1	X	$\frac{18.4}{27}$	=	25102	Cu Yds
	16	$\frac{3285}{2469}$	$\frac{4101}{3285}$	=	816	X	158.1	X	$\frac{20.1}{27}$	=	96031	✓✓
TOTAL WRITE OFF =											121133	✓✓

STRIPPING WRITEOFF

X = Line # 5 = 0

✓	6	$\frac{1531}{1461}$	$\frac{1606}{1531}$	=	70
✓	7	$\frac{2426}{2152}$	$\frac{2699}{2426}$	=	274
✓	8	$\frac{3198}{2718}$	$\frac{3675}{3198}$	=	478
✓	9	$\frac{2796}{2314}$	$\frac{3285}{2796}$	=	482
✓	10	$\frac{5456}{4877}$	$\frac{6030}{5456}$	=	580
✓	11	$\frac{8073}{7536}$	$\frac{8614}{8073}$	=	539
✓	12	= 0			

35 X 58.56 = 2050 Cu Yds

172 X 58.56 = 10072 ✓✓

376 X 58.56 = 22019 ✓✓

480 X 58.56 = 28109 ✓✓

531 X 58.56 = 31095 ✓✓

559.5 X 58.56 = 32761

469.5 X 58.56 = 15782

TOTAL WRITE OFF = ~~126109~~ Cu Yds.
141891 Cu Yds

SCALE 1" = 100'

FACTOR = 17.57-SQ Yds

VERNIER AT 34

DREDGE N° 11

AUGUST 1942

DREDGE OPERATED 31 DAYS

✓ DUG 657 Hrs - 10 Mins - 27.38 DAYS - 88.33%

✓ LOST 86 ✓ - 50 ✓ - 3.62 ✓ - 11.67%

AVE HEIGHT OF BANK = 7.4 FT.

✓ DEPTH = 13.0 ✓

TOTAL DEPTH = 20.4 ✓

SURFACE — $\begin{array}{r} 7257 \\ 6077 \\ \hline 1180 \end{array} \quad \begin{array}{r} 8439 \\ 7257 \\ \hline 1182 \end{array} = 1180 \times 17.57 = 20750 \text{ SQ Yds}$

BEDROCK — $\begin{array}{r} 9538 \\ 8411 \\ \hline 1127 \end{array} \quad \begin{array}{r} 0665 \\ 9538 \\ \hline 1127 \end{array} \quad \begin{array}{r} 1792 \\ 0665 \\ \hline 1127 \end{array} = 1127 \times 17.57 = 19801 \quad \checkmark \checkmark$
 $2 \overline{) 40551}$
AV. AREA = 20276 ✓ SQ Yds

TAILINGS

$\begin{array}{r} 8856 \\ 8670 \\ \hline 186 \end{array} \quad \begin{array}{r} 9047 \\ 8856 \\ \hline 191 \end{array} \quad \begin{array}{r} 9240 \\ 9047 \\ \hline 193 \end{array} = 192 \times 17.57 = 3373 \text{ SQ Yds - AV AREA.}$

$20276 \times \frac{6.8}{3} = 137877 \text{ CU Yds TOTAL}$

$\frac{137877}{31} = 4448 \text{ CU Yds PER DAY ELAPSED TIME}$

$\frac{137877}{27.38} = 5036 \quad \checkmark \quad \checkmark \quad \checkmark \quad \checkmark \quad \text{DIGGING} \quad \checkmark$

TAILINGS = $3373 \times \frac{6.8}{3} = 22936 \text{ CU Yds}$

VIRGIN = $137877 - 22936 = 114941 \text{ CU Yds}$

POND ELEVATION = 1228.2

CLAIMS DREDGED = 46-47 BELOW DISC HUNKER ✓

SURFACE AREA = 4.29 ACRES ✓

AVE WIDTH OF CUT = 315

✓ LENGTH ✓ = 590

	$\begin{array}{r} 20750 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 19801 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 20276 \\ 9 \\ \hline \end{array}$	$\begin{array}{r} 3373 \\ 9 \\ \hline \end{array}$
Area Tails	186750	178709	184484	30357
	$\begin{array}{r} 30352 \\ \hline \end{array}$	$\begin{array}{r} 30357 \\ \hline \end{array}$	$\begin{array}{r} 30357 \\ \hline \end{array}$	
Area Virgin	156393	147852	152127	

THAWING WRITEOFF

UNIT #	16	$\begin{array}{r} 4397 \\ 4373 \\ \hline 24 \end{array}$	$\begin{array}{r} 4421 \\ 4397 \\ \hline 24 \end{array}$	$24 \times 158.1 \times \frac{50.1}{27} = 2825 \text{ Cu Yds}$
✓ #	17	$\begin{array}{r} 4480 \\ 4413 \\ \hline 67 \end{array}$	$\begin{array}{r} 4545 \\ 4480 \\ \hline 65 \end{array}$	$66 \times 158.1 \times \frac{28.6}{27} = 11053$

WRITE OFF = 13,878 Cu Yds

STRIPPING WRITEOFF

X ² Line	5	Remainder		
✓	6	$\begin{array}{r} 1743 \\ 1722 \\ \hline 21 \end{array}$	$\begin{array}{r} 1764 \\ 1743 \\ \hline 21 \end{array}$	$21 \times 10.5 \times 58.56 = 691 \text{ Cu Yds}$
✓	7=0			$0 \times 10.5 \times 58.56 = 615$

WRITE OFF = 1306 Cu Yds

Scale 1" = 100'

Fac 17.57 = Sq. yds.

Vernier at 34

DREDGE N^o 11

SEPTEMBER 1942

DREDGE OPERATED: 30 Days.

DLIG : 636 Hrs. 15 min. = 26.51 days = 88.37 %

LOST : 83 - 45 = 3.49 = 11.63 %

AVG. HEIGHT OF BANK : 9.5 Feet

DEPTH : 18.6

TOTAL : 28.1

TOTAL { SURFACE: $\frac{7874}{7116} \frac{8634}{7874}$
758 760
BEDROCK $\frac{9376}{8650} \frac{0102}{9376}$
726 726

759 x 17.57 = 13336 Sq. Yds

726 x 17.57 = 12756

2 | 26092
13046

VIRGIN: $\frac{0603}{0509} \frac{0700}{0603} \frac{0798}{0700}$
94 97 98 = 96 x 17.57 = 1687 Sq. Yds.

13046 x $\frac{28.1}{3}$ = 122198 Cu. Yds TOTAL

$\frac{122198}{30}$ = 4073 Cu Yds PER DAY ELAPSED TIME

$\frac{122198}{26.51}$ = 4610 DIGGING

VIRGIN = 1687 x $\frac{28.1}{3}$ = 15802 Cu. Yds.

TAILINGS = $\frac{106396}{122198}$

POND ELEVATION = 1233.1

CLAIMS DREDGED = 46247

SURFACE AREA = 2.76 ACRES. BELOW DISC. HUNTER.

AV. WIDTH OF CUT = 290 FT

LENGTH = 350

	Total	Virgin
13336	12756	13046
9	9	9
Total - 120024	114804	117414
Virgin 15201	15201	15201
Tails 104823	99603	102213

THAWING WRITE OFF.

$$\text{UNIT 19} = \frac{\begin{array}{r} 2661 \\ 2139 \\ \hline 522 \end{array}}{\begin{array}{r} 3702 \\ 3178 \\ \hline 524 \end{array}} = 523 \times 158.1 \times \frac{28.7}{27} = 87892 \text{ Cu. Yds}$$

1942 THAW.

SCALE - 1" = 100'
FACTOR 17.57 = SQ Yds
VERNIER @ 34

DREDGE N° 11

OCTOBER 1942

All Yukon Gold Tailings

DREDGE OPERATED 31 DAYS

✓ DUG - 636 hrs 0 min = 26.50 days = 85.48 ✓
✓ LOST - 108 - 0 - = 4.50 - = 14.5 ✓

AVE HEIGHT OF BANK = 8.1 Feet ✓
✓ DEPTH = 20.4 ✓
TOTAL ✓ = 28.5 ✓

SURFACE - $\frac{9173}{8542} \frac{9802}{9173}$ 630 x 17.57 = 11069 SQ Yds
631 ✓ 629 ✓

BED ROCK - $\frac{0381}{9794} \frac{0970}{0381}$ 588 x 17.57 = 10331 SQ Yds
587 ✓ 589 ✓ 2 | 21400 ✓

AV. AREA - 10700 ✓ SQ Yds

$10700 \times \frac{28.5}{3} = 101650$ CU Yds TOTAL

Tailings for R/E Statement.

$\frac{101650}{31} = 3279$ CU. Yds PER DAY ELAPSED TIME

$\frac{101650}{26.50} = 3836$ ✓ ✓ ✓ ✓ DIGGING ✓

POND ELEVATION = 1237.7' ✓
CLAIMS DREDGED = 46247 BELOW HUNKER
SURFACE AREA = 2.29 ACRES
AV. WIDTH OF CUT = 270 FT ✓
✓ LENGTH ✓ ✓ = 365 ✓ ✓

$\frac{11069}{9}$
996 ✓

$\frac{10331}{9}$
929 ✓

$\frac{10700}{9}$
96300 ✓

Thawing Witeoff

Block 19 -

$$\begin{array}{r} 1384 \\ 1303 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 1469 \\ 1384 \\ \hline 85 \end{array}$$

$$83 \times 158.1 \times 28.7 = 13948 \text{ Cu. Yds}$$

1944 Thaw

No Stripping Witeoff

Scale 1" = 100'
 Factor = 17.57
 = Sq Yds
 Vernier @ 3A

Dredge No. 11

November 1947
 Shut down for season Nov 11-8:45 AM
 For last time Nov 11-7:00 AM

Dredge operated 10 days

✓ dug 222 hrs. 20 min = 9.26 days = 92.64 %

✓ lost 17 40 = 0.74 = 7.36 %

Avg Hgt. Bank = 4.7 Ft. ✓

✓ Depth = 18.0 ✓

Total = 22.7 ✓

$$\text{Surface} - \frac{4657}{166} = 2805.42$$

$$\frac{4820}{163} = 2957.05$$

$$164 \times 17.57 = 2881 \text{ Sq Yds.} \checkmark$$

$$\text{Bedrock} - \frac{4967}{154} = 3225.32$$

$$\frac{5133}{158} = 3248.73$$

$$156 \times 17.57 = 2741 \checkmark$$

$$2811 + 2741 = 5552$$

$$\text{Avg. Area} = 2811 \checkmark$$

$$\frac{937}{2811 \times 22.7} = 21270 \text{ Cu. Yds.} \checkmark$$

$$\frac{21270}{10} = 2127 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{21270}{9.26} = 2297 \checkmark \text{ running time.}$$

Pond Elevation - 1236.1

✓ 66 F.

Claims dredged - 47 Below Hunter

Surface Area - 0.60 Acres. ✓

Avg. Width Cut - 200 Ft.

Length - 140 ✓

$$\frac{2881}{9} = 320.11$$

$$\frac{2741}{9} = 304.56$$

$$\frac{2811}{9} = 312.33$$

No Thawing Writest ✓

No Stripping Writest ✓

1" = 100'

Fac = 17.57

= 59 Yds.

Vern - 34.

Dredge No 11

April 1943

Started operations Apr 29 - 11:15 AM

Lost Time starts Apr 29 - 7:00 AM

Dredge operated 2 days

- dug 4 hrs 50 min = 1.74 days = 87.14 %

- lost 6 " 10 " = 0.26 " = 12.85 %

Avg Hgt Bank = 4.0 FT.

- Depth = 21.5 "

Total " = 25.5 "

$$\text{Surface} - \frac{5557}{5541} \quad \frac{5573}{5557} \quad 16 \times 12.57 = 281 \text{ Sq Yds}$$

$$\text{Bedrock} - \frac{5587}{5570} \quad \frac{5603}{5587} \quad 16 \times 17.57 = 281 \quad \text{Avg Area} = 281$$

$$281 \times \frac{8.5}{3} = 2389 \text{ Cu Yds}$$

$$\frac{2389}{2} = 1195 \text{ cu yds. per day elapsed time}$$

$$\frac{2389}{1.74} = 1373 \quad \text{running}$$

Pond Elev. —

Claims dredged = 47 Below Hunter

Surface area = 0.06 Acres

Avg Width Cut = 120 FT.

Avg Length = 25

$$\frac{281}{182} = 1.54$$

Thawing Writeoff

Block 19 - $\frac{8229}{8119} \frac{8339}{8229}$ $\frac{110}{110}$ $\frac{110}{110}$ $110(17.57) \frac{28.7}{3} = 18,489 \text{ Cu Yds}$

No Stripping Writeoff

1" = 100'

Fac = 17.57

= 59 Yds.

Ver. @ 34

Dredge No 11

May 1943

Dredge operated 31 days

✓ dug 685 hrs 50 min = 28.58 days = 92.18%
✓ lost 58 - 10 - = 2.42 - = 7.82%

Avg Hgt of Bank = 3.1 Ft.

✓ Depth = 19.2 -

Total ✓ = 22.3 -

Surface - $\frac{4667}{3547} \frac{5789}{4667} \frac{1121}{1122} = 1121 (17.57) = 19696 \text{ sq. yds.}$

Bedrock $\frac{6744}{5684} \frac{7799}{6744} \frac{1061}{1062} = 1061 (17.57) = 18642 \text{ sq yds.}$
 $\frac{8861}{7799} \frac{2}{38338}$
Avg AREA. 19169 sq yds.

$19169 \times \frac{22.3}{3} = 142,490 \text{ Cu Yds}$

$\frac{142,490}{31} = 4596 \text{ Cu Yds per day Elapsed Time.}$

$\frac{142,490}{28.58} = 4986 \text{ Cu Yds per day Digging Time.}$

Pond Elev. = 1234.0
Claims dredged = 47-48 BELOW HUNKER. ✓
SURFACE AREA. = 3.96 ACRES. 4.07
AVG WIDTH. = 250 ft ✓
AVG LENGTH = 700 ft ✓

19696	18642	19169
9	9	9
177264 ✓	167778 ✓	172521 ✓

Thawing Writeoff

Block 21

$$\begin{array}{r} 9854 \\ 9842 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 9666 \\ 9854 \\ \hline 12 \end{array}$$

$$12 (17.57)(34.4) \div 3 = 2417 \text{ cu. yds.}$$

No Stripping Writeoff for June.

SCALE 1" = 100'

FACTOR - 17.57 = Sq Yds.

VER © 34

DREDGE No. 11

JUNE 1943

DREDGE OPERATED 30 DAYS

✓ DUG 647 HRS 41 MINS = 26.99 DAYS = 89.96%

✓ LOST 72 ✓ 19 ✓ = 3.01 ✓ = 10.04%

AV. HEIGHT OF BANK = 4.2 FT

✓ DEPTH = 20.5 ✓

TOTAL = 24.7 FT.

SURFACE — $\begin{array}{r} 4973 \\ 3678 \\ \hline 1295 \end{array}$ $\begin{array}{r} 6273 \\ 4973 \\ \hline 1300 \end{array}$ $\begin{array}{r} 7564 \\ 6273 \\ \hline 1291 \end{array}$

BEDROCK — $\begin{array}{r} 8753 \\ 7531 \\ \hline 1222 \end{array}$ $\begin{array}{r} 9980 \\ 8753 \\ \hline 1227 \end{array}$

(1295)(17.57) = 22753 sq. yds.

(1225)(17.57) = 21523 sq. yds.

Avg area = $\frac{144276}{22138}$

$\frac{22138(24.7)}{3} = 182270$ cu. yds.

$\frac{182270}{30} = 6076$ cu. yds. per day elapsed time

$\frac{182270}{26.99} = 6753$ cu. yds. per day running time

POND ELEV = 1228.1

CLAIMS DREDGED = 48-484-49-50 BEL. HUNKER

SURFACE AREA = 4.70 ACRES

AV. WIDTH OF CUT = 300 FT.

✓ LENGTH ✓ ✓ = 670 FT.

$\begin{array}{r} 22753 \\ 9 \\ \hline 204777 \end{array}$

$\begin{array}{r} 21523 \\ 9 \\ \hline 193707 \end{array}$

$\begin{array}{r} 22138 \\ 9 \\ \hline 199242 \end{array}$

Thawing Writedoff

Block 21 - $\frac{1637}{1581} \frac{1689}{1637} = 18 \times 17.57 \times \frac{34.4}{3} = 10879 \text{ CU YOS}$
 (34.4')

Block 20 - $\frac{6435}{6394} \frac{6475}{6435} = 40 \times 17.57 \times \frac{25.5}{3} = 5974 \text{ CU YOS}$
 (25.5')

THAWING WRITE OFF = 16853 CU YOS

Stripping Writedoff

X 17 - 0

X 18 - 0

X 19 - 0

X 20 - 0

X 21 - 0

Nil

Total

19947	19274	19608
<u>9</u>	<u>9</u>	<u>9</u>

Total - 179478 173466 176472

Virgin - 22293 18189 20241

Tails - 157185 155277 156231

Virgin

2477	2021	2249
<u>9</u>	<u>9</u>	<u>9</u>

22293 18189 20241

1" = 100'
 Fac = 17.57
 = 59 Yds
 V @ 34

Dredge No 11

July 1943

Dredge operated 31 days

✓ dug 674 hrs. 50 min = 28.12 days = 90.70 %

✓ lost 69 - 10 = 2.88 = 9.30 %

Avg Hgt. Bank = 6.4 Ft.

✓ Depth = 23.9

Total = 30.3

Total Surface $\frac{7970}{6830} \frac{9103}{7970} \frac{0235}{9103} = 1135 \times 17.57 = 19942 \text{ SQ. YDS.}$
 1140 1133 1132

Total Bedrock $\frac{1342}{0248} \frac{2441}{1342} \frac{3544}{2441} = 1097 \times 17.57 = 19274$ ✓ ✓
 1094 1099 1103
 2 | 39216
 AV. AREA = 19608 SQ YDS

19608 $\times \frac{30.3}{3} = 198041 \text{ CU. YDS.}$

$\frac{198041}{31} = 6388 \text{ CU. YDS PER DAY ELAPSED TIME}$

$\frac{198041}{28.12} 7043$ ✓ ✓ ✓ ✓ DIGGING TIME

Virgin Surface $\frac{4824}{4682} \frac{4964}{4824} = 141 \times 17.57 = 2477 \text{ SQ YDS}$
 142 140

Virgin Bedrock $\frac{5072}{4958} \frac{5187}{5072} = 115 \times 17.57 = 2021$ ✓ ✓
 114 115
 2 | 4498
 AVE AREA = 2249 SQ YDS

2249 $\times \frac{30.3}{3} = 22715 \text{ TOTAL CU YDS VIRGIN}$

CU. Yds Virgin = 22715 CU YDS.

CU. Yds Tailings 175326 ✓ ✓ ✓

POND ELEV = 1230.0
 CLAIMS DREDGED = 49.250 BEL. HUNKER ✓
 SURFACE AREA = 4.12 ACRES ✓
 AV WIDTH OF CUT = 275 FT ✓
 ✓ LENGTH = 620 ✓ ✓

Thawing Whiteott

Block 20 =
(25.5')

$$\begin{array}{r} 2420 \\ 2293 \\ \hline 127 \end{array} \quad \begin{array}{r} 2548 \\ 2420 \\ \hline 128 \end{array}$$

$$128 \times 17.57 \times \frac{25.5}{3} = 19116 \text{ Cu. Yds}$$

No Stripping Whiteott

Virgin Surface - $\begin{array}{r} 1616 \\ 1344 \\ \hline 272 \end{array}$

$$\begin{array}{r} 1888 \\ 1616 \\ \hline 272 \end{array}$$

$$272 \times 17.57 = 4779 \text{ Sq. Yds.}$$

Bedrock - $\begin{array}{r} 2136 \\ 1890 \\ \hline 246 \end{array}$

$$\begin{array}{r} 2387 \\ 2136 \\ \hline 251 \end{array}$$

$$249 \times 17.57 = 4375$$

$$\text{Avg Area} = \frac{4779 + 4375}{2} = 4577$$

$$4577 \times \frac{30.0}{3} = 45770 \text{ Cu. Yds. Virgin}$$

$$178260 \text{ Tailings}$$

$$174030 = \text{Total Cu. Yds.}$$

$$\begin{array}{r} 4779 \\ 9 \\ \hline 43011 \end{array}$$

$$\begin{array}{r} 4375 \\ 9 \\ \hline 39375 \end{array}$$

$$\begin{array}{r} 4577 \\ 9 \\ \hline 41193 \end{array}$$

1" = 100'
 Fac = 17.57
 = 59 yds

Dredge No. 11

August 1943

Dredge operated 31 days

dug 680 hrs. 20 min = 28.35 days = 91.44%

lost 63 - 40 = 2.65 = 8.56%

Avg. Hgt. Bank = 10.4 ft.

Depth = 19.8

Total = 30.0

Surface = $\frac{6633}{982} \frac{7020}{987} \frac{8608}{988} = 986 \times 17.57 = 17324 \text{ SQ Yds}$

BEDROCK = $\frac{9613}{992} \frac{0612}{999} \frac{1607}{995} = 995 \times 17.57 = 17482$
 $2 \overline{) 34806}$

AV. AREA = 17403 SQ Yds

$17403 \times \frac{30}{3} = 174030 \text{ TOTAL CU. Yds}$

$\frac{174030}{31} = 5614 \text{ CU. Yds PER DAY ELAPSED TIME}$

$\frac{174030}{28.35} = 6139 \text{ Digging}$

POND ELEVATION = 1234.5

CLAIMS DREDGED = 49-484-48 BELOW HUNKER CR

SURFACE AREA = 3.58 ACRES

AV. WIDTH OF CUT = 305 FEET

✓ LENGTH ✓ = 510 ✓

174030

45770

128260

17324

9

17482

9

17403

9

Total Area = 155916

157338

156627

Virgin = 43011

39375

41193

Tailings = 112905

117963

115434

Thawing Writoff

Block 19 - Remainder

= 25537 Cu.Yds.

$$\text{Block 18} - \frac{6815}{80} - \frac{6892}{77} - \frac{7971}{79} = 82 \times 17.57 \times \frac{24.6}{3} = 1138 \checkmark \checkmark$$

Total = 36919 11

Stripping Writoff

$$\begin{array}{l} \times 7 \\ \checkmark 8 \\ \checkmark 9 \\ \checkmark 10 \\ \checkmark 11 \\ \checkmark 12 \end{array} \left. \begin{array}{l} - 0 \\ - 0 \\ - 0 \\ - 0 \\ - 0 \\ - 0 \end{array} \right\} \text{Nil}$$

$$\text{VIRGIN SURFACE} = \frac{7202}{188} - \frac{7390}{188} = 188 \times 17.57 = 3303 \text{ sq Yds}$$

$$\checkmark \text{ BEDROCK} = \frac{7568}{174} - \frac{7742}{174} = 174 \times 17.57 = 3057 \checkmark \checkmark$$

AVE AREA = 3180 sq Yds

$$1.060 \times 3180 \times \frac{29.3}{3} = 31058 \text{ Cu.Yds VIRGIN}$$

112492 ✓ ✓ TAILINGS
143,550 ✓ ✓ TOTAL

$$\begin{array}{r} 3303 \\ 9 \\ \hline 29727 \end{array} \quad \begin{array}{r} 3057 \\ 9 \\ \hline 27513 \end{array} \quad \begin{array}{r} 3180 \\ 9 \\ \hline 28620 \end{array}$$

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

DREDGE NO 11

SEPTEMBER 1943

DREDGE OPERATED 30 DAYS

✓ DUG 633 hrs. 25 min = 26.39 days = 87.97 %
 ✓ LOST 86 - 35 ✓ = 3.61 - = 12.03 %

AV HEIGHT OF BANK = 8.4 FT

✓ DEPTH = 20.9 ✓

TOTAL DEPTH = 29.3 ✓

SURFACE = $\frac{1186}{362} \frac{2007}{1186} \frac{2838}{2007} = 826 \times 17.57 = 14513$ SQ YDS

BEDROCK = $\frac{372}{286} \frac{4569}{3721} \frac{5415}{4569} = 847 \times 17.57 = 14882$ ✓
 $2 \overline{) 29395}$
 14698 ✓ SQ YDS

AV. AREA = 14698 ✓ SQ YDS

$14698 \times \frac{29.3}{3} = 143,550$ CU. YDS TOTAL

$\frac{143550}{30} = 4785$ CU. YDS PER DAY ELAPSED TIME

$\frac{143550}{26.39} = 5440$ ✓ ✓ ✓ ✓ DIGGING TIME

POND ELEVATION = 1232.6 ✓

CLAIMS DREDGED = 47248 BELOW HUNKER

SURFACE AREA = 3.0 ACRES ✓

AV. WIDTH OF CUT = 290 FT. ✓

✓ LENGTH ✓ ✓ = 450 ✓ ✓

$\frac{14513}{9}$	$\frac{14882}{9}$	$\frac{14698}{9}$
Total Area - 130617	133938	134482
Virgin - 29727	27513	28620
Tails - 100890	106425	103662

THAKING WRITE OFF

$$\text{BLOCK 17} = \text{REMAINDER} = \text{---} = 33.020 \text{ Cu.Yds}$$

$$\text{BLOCK 16} = \text{REMAINDER} = \text{---} = 33.315 \checkmark \checkmark$$

$$\text{BLOCK 15} = \frac{5079}{4807} \frac{5358}{5079} \frac{5632}{5358} = 275 \times 158.1 \times \frac{184}{27} = 29626 \checkmark \checkmark$$

$$\text{BLOCK 18} = \frac{5886}{5632} \frac{6000}{5886} = 184 \times 158.1 \times \frac{246}{27} = 26502 \checkmark \checkmark$$

$$\text{TOTAL} = 122463 \checkmark \text{ Cu.Yds}$$

STRIPPING WRITE OFF

$$X^2 - 6 \quad \text{REMAINDER} = 3739$$

$$X^2 - 7 \quad \checkmark \quad 8436$$

$$X^2 - 8 \quad \checkmark \quad 14980$$

$$X^2 - 9 \quad \checkmark \quad 17986$$

$$X^2 - 10 \quad \checkmark \quad 19839$$

$$X^2 - 11 \quad \frac{2333}{2023} \frac{2641}{2333} = 309 = 155 \times 58.56 = 9077 \text{ Cu.Yds}$$

$$X^2 - 12 \quad 0$$

$$\text{TOTAL} = 74057 \checkmark$$

SCALE 1" = 100'

DREDGE 11

OCTOBER 1943

FACTOR = 17.57 = SQ YDS

VER @ 34

DREDGE OPERATED 31 DAYS

✓ DUG 586 HRS 18 MIN = 24.43 DAYS = 78.80%

✓ LOST 157 ✓ 42 ✓ = 6.57 ✓ = 21.20%

AY HEIGHT OF BANK = 3.5

✓ DEPTH = 17.8 ✓

TOTAL DEPTH = 21.3 ✓

SURFACE = $\frac{3109}{2137} \frac{4080}{3109} = 972 \times 17.57 = 17078$ SQ YDS

BED ROCK = $\frac{3659}{2653} \frac{4667}{3659} = 1007 \times 17.57 = 17693$ ✓ ✓

2 | 34771 ✓

AVE AREA = 17385 ✓ SQ YDS

17385 X $\frac{21.3}{3} = 123419$ CU. YDS TOTAL

$\frac{123419}{31} = 3981$ CU. YDS PER DAY ELAPSED TIME

$\frac{123419}{24.43} = 5052$ ✓ ✓ ✓ ✓ DIGGING ✓

POND ELEVATION = 1224.4 ✓

CLAIMS DREDGED = 47-48 BELOW HUNKER. ✓

SURFACE AREA = 3.53 ACRES ✓

AY WIDTH OF CUT = 330 FT ✓

✓ LENGTH ✓ ✓ = 500 FT ✓

$\frac{17078}{9} \quad \frac{17693}{9} \quad \frac{17385}{9}$
15370 ✓ 15923 ✓ 15646 ✓

Dr lost 3.75 days due to low water = 12.09% of operating time = 57.02% of total lost time

Thawing Writeoff

$$\text{Block 15} - \frac{9 \times 158.1 \times 18.4}{57} = 990 \text{ Cu. Yds}$$

$$\text{Block 18} - \frac{6 \times 158.1 \times 8.2}{57} = 864 \text{ } \checkmark \checkmark$$

$$\frac{9}{3} \text{ Total} = 1834 \text{ } \checkmark \checkmark$$

Stripping Writeoff

X 2 11

(Area) 88 (Depth)

$$\frac{88 \times 16}{57}$$

$$= 1408 \text{ Cu Yds.}$$

X 2 12

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

Dredge No. 11 November 1943
 Shut down for Season Nov. 1 - 10:30 pm

Dredge operated 1 day
 dug 14 hrs 40 min = 0.61 days = 61.11 %
 lost 9 - 40 - = 0.39 - = 38.89 %
 Avg Hgt Bank = 3.0 Ft.
 Depth = 15.0'
 Total = 18.0'

Surface

3415
 3400
 15

3449
 3415
 14

15 x 17.57 = 264 Sq. Yds.

Bedrock

3423
 3449
 14

3480
 3443
 17

3493
 3480
 13

14 x 17.57 = 246 - -

2510

Avg Area = 255 - -

255 x $\frac{18.0}{3}$ = 1530 Cu. Yds.

$\frac{1530}{1}$ = 1530 Cu. Yds per day elapsed time

$\frac{1530}{0.61}$ = 2508 - - - running time

Pond elev = 1224.4
 Claims dredged = 48 Below Hunter
 Surface Area = .05 Acres.
 Avg width cut = 140 Ft.
 length = 15'

264 246 255
 9 9 9
 2376 2214 2295

Cu. Yds dredged in Claim 48 Season 1943

May

<u>Surface</u> -	$\frac{8447}{7422} \frac{9083}{8247}$	$830 \times 17.57 = 14583 \text{ Cu. Yds}$
	$\frac{822}{836}$	
<u>Bedrock</u>	$\frac{9856}{9079} \frac{0627}{9856}$	$774 \times 17.57 = \frac{13599}{28182}$
	$\frac{777}{771}$	14091
	$\frac{4697}{14091 \times 22.3}$	$= 104743 \text{ Cu. Yds.}$

August

<u>Surface</u> -	$\frac{6543}{5965} \frac{7111}{6543}$	$573 \times 17.57 = 10068$
	$\frac{578}{568}$	
<u>Bedrock</u> -	$\frac{1855}{1315} \frac{2409}{1855}$	$540 \times 17.57 = \frac{9488}{19556}$
	$\frac{540}{541}$	9778
	$\frac{10}{9778 \times 30.0}$	$= 97780 \text{ Cu. Yds.}$

September

<u>Surface</u> -	$\frac{3428}{3056} \frac{3797}{3428}$	$= 370 \times 17.57 = 6501$
	$\frac{372}{369}$	
<u>Bedrock</u> -	$\frac{4192}{3800} \frac{4590}{4192}$	$= 395 \times 17.57 = \frac{6940}{13441}$
	$\frac{392}{398}$	6720
	$\frac{2240}{6720 \times 29.3}$	$= 65632 \text{ Cu. Yds.}$

October

<u>Surface</u> -	$\frac{5911}{5828} \frac{5997}{5911}$	$= 85 \times 17.57 = 1493$
	$\frac{83}{86}$	
<u>Bedrock</u> -	$\frac{6068}{6000} \frac{6136}{6068}$	$= 68 \times 17.57 = \frac{1195}{2288}$
	$\frac{68}{68}$	1344
	$\frac{7.1}{1344 \times 21.3}$	$= 9542 \text{ Cu. Yds.}$

November - 1530 Cu. Yds.

May - 104743 Cu. Yds
 August - 97780 ✓
 Sept - 65632 ✓
 Oct. - 9542 ✓
 Nov. - 1530 ✓
 Total - 279227 ✓

Thawing Writeoff

Block 15 - Remainder

= 20331 Cu.Yds.

- 18 - ✓

= 8398 ✓ ✓

✓ 14 - $\frac{5508}{5332} \frac{5681}{5508}$
(18.0) $\frac{176}{173}$

$52.7 \times 175 \times 18.0$

= 18445 ✓ ✓

✓ 20 - $\frac{5879}{5772} \frac{5987}{5879}$
(w.r.) $\frac{107}{108}$

$108 \times 158.1 \times 25.5$

= 16128 ✓ ✓

$\frac{27}{27}$ Total = 63302 ✓ ✓

Stripping Writeoff

10-11 - Remainder - Written off

11-12 - ✓

= 10100 Cu.Yds.

12-13 - ✓

= 20593 ✓

13-14 - $\frac{1}{2}$ Remainder

= $\frac{10065}{20130}$ ✓

Total = 40768 ✓

$$1'' = 100'$$

$$Fac = 17.57$$

$$= Sq. Yds$$

Dredge No 11

May 1945

Started operating May 10 - 10:45 AM.
Lost Time starts May 10 - 7:00 AM.

Dredge operated 22 days.

$$\text{dug } 462 \text{ hrs } 30 \text{ min} = 19.27 \text{ days} = 87.5970$$

$$\text{lost } 65 - 30 = 2.73 = 12.4170$$

Avg Hgt Bank = 3.0 ft.

$$\text{Depth} = 17.6$$

$$\text{Total} = 20.6$$

Surface

$$\begin{array}{r} 6120 \\ 5675 \\ \hline 445 \end{array} \quad \begin{array}{r} 6575 \\ 6120 \\ \hline 455 \end{array} \quad \begin{array}{r} 7022 \\ 6575 \\ \hline 447 \end{array}$$

$$446 \times 17.57 = 7836 \text{ Sq. Yds.}$$

Bedrock

$$\begin{array}{r} 7500 \\ 7019 \\ \hline 481 \end{array} \quad \begin{array}{r} 7925 \\ 7500 \\ \hline 425 \end{array}$$

$$478 \times 17.57 = 8398$$

$$+ 16234$$

$$\text{Avg. Area} = 8117$$

$$8117 \times \frac{20.6}{3} = 55737 \text{ Cu. Yds.}$$

$$\frac{55737}{22} = 2534 \text{ Cu. Yds. per day elapsed Time}$$

$$\frac{55737}{19.27} = 2892 \text{ running}$$

Pond Elev = 1227.1

Claims Dredged - 48 Bel. Hunter

Surface Area = 1.62 Acres

Avg Width Cut = 300 ft.

Length = 240

$$\begin{array}{r} 7836 \\ 9 \\ \hline 70524 \end{array} \quad \begin{array}{r} 8398 \\ 9 \\ \hline 75582 \end{array} \quad \begin{array}{r} 8117 \\ 9 \\ \hline 73053 \end{array}$$

THAWING WRITE OFF

$$\text{BLOCK} - 20 = \frac{6220}{5908} \frac{6530}{6220} \frac{311 \times 158.1 \times 25.5}{27} = 46437 \text{ Cu. Yds.}$$

$$\text{BLOCK} - 14 = \text{REMAINDER} = 21275 \checkmark \checkmark \checkmark$$

$$\text{BLOCK} - 13 = \checkmark = 43368 \checkmark \checkmark \checkmark$$

$$\text{TOTAL WRITE OFF} = 111,080 \checkmark \checkmark \checkmark$$

STRIPPING WRITE OFF

$$\checkmark - 13-14 \text{ REMAINDER} = 10,065 \checkmark \text{ Cu. Yds}$$

$$14-15 \checkmark = 22,695 \checkmark \checkmark \checkmark$$

$$15-16 \checkmark = 23,549 \checkmark \checkmark \checkmark$$

$$16-17 \checkmark = 19,261 \checkmark \checkmark \checkmark$$

$$17-18 \checkmark = 15,525 \checkmark \checkmark \checkmark$$

$$18-19 - \frac{1}{5}^{\text{th}} \text{ REMAINDER} = 1,926 \checkmark \checkmark \checkmark$$

$$\text{TOTAL} = 93,021 \checkmark \checkmark \checkmark$$

1" = 100'
FACTOR = 17.57
= SQ. Yds.

DREDGE NO. 11

JUNE 1945

DREDGE OPERATED 30 DAYS

✓ DUG 636 HRS 30 MINS = 26.5 DAYS = 8840 %
✓ LOST 83 - 30 - = 3.48 - = 11.60 %

AVE HEIGHT OF BANK = 3.4 FT.
✓ DEPTH = 18.1 ✓
TOTAL ✓ = 21.5 ✓

SURFACE = $\begin{array}{r} 3264 \\ 2351 \\ \hline 913 \end{array}$ $\begin{array}{r} 4176 \\ 3264 \\ \hline 912 \end{array}$ = 912 X 17.57 = 16024 ✓ SQ Yds

BEDROCK = $\begin{array}{r} 5194 \\ 4229 \\ \hline 965 \end{array}$ $\begin{array}{r} 6152 \\ 5194 \\ \hline 958 \end{array}$ = 962 X 17.57 = 16902 ✓ ✓

2 | 32926
AVE = 16463 ✓ SQ Yds

✓ $\begin{array}{r} 16463 \times 21.5 \\ \hline 3 \end{array}$ = 117985 TOTAL CU. Yds.

$\begin{array}{r} 117985 \\ 30 \\ \hline \end{array}$ = 3933 ✓ CU. Yds ELAPSED TIME

$\begin{array}{r} 117985 \\ 5652 \\ \hline \end{array}$ = 4449 ✓ ✓ DIGGING ✓

POND ELEV. = 1228.4
CLAIMS DREDGED = 48-48A-49.
SURFACE AREA = 3.40 ACRES
AVE WIDTH CUT = 310 FT
✓ LENGTH ✓ = 485'

$\begin{array}{r} 16024 \\ 9 \\ \hline 144216 \end{array}$ $\begin{array}{r} 16902 \\ 9 \\ \hline 152118 \end{array}$ $\begin{array}{r} 16463 \\ 9 \\ \hline 148167 \end{array}$ ✓

Thawing Whitecotton

Block 20 - Remainder	= 44155 CuYds.
✓ 12 - ✓	= 59891 ✓
✓ 11 - $\frac{1}{2}$ ✓	= 4983 ✓
- 10 - (26.6) $\frac{1781}{1741}$ 40 $\frac{1820}{1781}$ 40 $40 \times 17.57 \times \frac{26.6}{3}$	= 6231 ✓ $\text{Total} = 115260$ ✓

Stripping Whitecotton

18-19 - Remainder	= 7704 CuYds.
19-20 - ✓	= 3458 ✓
20-21 - ✓	= 4800 ✓
21-22 - $\frac{1}{2}$ ✓	= 6824 ✓
22-23 - $\frac{1}{10}$ ✓	= 1188 ✓
	$\text{Total} = 23974$ ✓

1" = 100'
 For = 1757
 = Sq Yds

Dredge No 11

July 1945

Dredge operated 31 days

✓ dug 671 hrs 20 min = 27.97 days - 90.23%
 ✓ lost 72 - 40 - = 3.03 - = 9.77%

Avg. Hgt Bank = 6.0 Ft.

✓ Depth = 23.0'

Total = 29.0'

Surface 7591 8374
 6808 7591
 783 783 ✓

783 x 17.57 = 13757 - Sq Yds

Bedrock 9210 10029
 8399 9210
 811 819 ✓

815 x 17.57 = 14320 ✓
 ✓ 28077

Avg Area = 14038 ✓

$\frac{14038 \times 29}{3} = 135700 \text{ Cu Yds.} \checkmark$

$\frac{135700}{31} = 4377 \text{ Cy. per day elapsed time} \checkmark$

$\frac{135700}{27.97} = 4852 \text{ - running -} \checkmark$

Pond Eler = 1223.5
 Claims dredged: 49-50 Bol Hunter
 Surface Area = 2.84 Acres.
 Avg Width Cut = 310'
 Length = 400'

13757
 9
 123813

14320
 9
 128880

14038
 9
 126342

THAWING WRITE OFF.

BLOCK 10

$$\begin{array}{r} 8780 \\ 7510 \\ \hline 270 \end{array}$$

$$\begin{array}{r} 9086 \\ 7780 \\ \hline 906 \end{array}$$

$$\begin{array}{r} 9378 \\ 9086 \\ \hline 292 \end{array}$$

$$\begin{array}{r} 9671 \\ 9378 \\ \hline 293 \end{array}$$

$$\frac{26.6}{3} \times 292 \times 17.57 = 45486 \text{ cu. yds.}$$

BLOCK 8

$$\begin{array}{r} 2133 \\ 1715 \\ \hline 418 \end{array}$$

$$\begin{array}{r} 2551 \\ 2133 \\ \hline 418 \end{array}$$

$$\frac{25.2}{3} \times 418 \times 17.57 = 61690$$

BLOCK 11 - REMAINDER

$$= 4984$$

TOTAL WRITE OFF

$$= 295599$$

$$112160$$

STRIPPING WRITE OFF

$$X^2 - 21-22 = \text{REMAINDER} = 6,824 \text{ Cu. Yds}$$

$$X^2 - 22-23 = 10,697$$

$$X^2 - 24 = 9,272$$

$$X^2 - 25 = 11,552$$

$$X^2 - 25-26 = 5,808$$

TOTAL

$$44,153 \text{ Cu. Yds}$$

1" = 100'
 FACTOR =
 17.57 = sq yds

DREDGE N° 11

AUGUST 1945

DREDGE OPERATED 31 DAYS (30 days for depth)
 DREDGE DUG - 657 hrs or min = 27.38 days = 88.3 yds
 ✓ LOST - 86 ✓ ✓ ✓ = 3.6 y ✓ = 11.68 yd
 AVE HEIGHT OF BANK = 1.1 ft.
 ✓ DEPTH = 27.9 ✓
 TOTAL = 27.0 ✓

SURFACE - $\frac{5256}{4280} \frac{6028}{5256}$
 $\frac{1776}{1776}$ ✓ $\frac{1772}{1772}$ ✓

774 X 17.57 = 13599. sq. yds.

BED ROCK - $\frac{6726}{6039} \frac{7622}{6726} \frac{7411}{7622}$
 $\frac{787}{787}$ ✓ $\frac{796}{796}$ ✓ $\frac{789}{789}$ ✓

791 X 17.57 = 13898 ✓ ✓

Avg Area = $\frac{2}{27497} \frac{13748}{13748}$ ✓ ✓

13748 X $\frac{9.0}{27.0} = 123732$ ✓ CU. YDS.

$\frac{123732}{31} = 3991$ ✓ CU. YDS. PER DAY ELAPSED TIME

$\frac{123732}{27.38} = 4519$ ✓ ✓ ✓ ✓ RUNNING ✓

Claims dredged - 50 Below Hunter
 Pond Elev - 1220.5
 Surface Area - 2.88 Acres
 Avg Width Cut - 300 Ft.
 ✓ Length - 300 ✓

$\frac{13599}{9} \frac{13898}{9} \frac{13748}{9}$
 122391 125082 123732

Thawing Writeoff

Block 21 - Remainder	=	48585 ✓ Cu. Yds.
✓ 8 - 1/2 ✓	=	9352 ✓ ✓
- 10 - Remainder	=	<u>4711</u> ✓ ✓
Total		= 62648 ✓

Stripping Writeoff

21-22 - Remainder	-	Nil
22-23 - ✓	-	✓
23-24 - ✓	-	✓
24-25 - ✓	-	✓
		Nil ✓

Pond Elev. - 1219.8
 Claims dredged - 50 Below Hunker
 Surface Area - 3.45 Acres ✓
 Avg width Cut - 265 ft.
 Length - 520 ✓

$$F_{AL} = 17.57 = 59.4 \text{ kN}$$
$$= \int_a^b y \, dx$$

Берг 1945

✓ dug 649 hrs vs mig = 27.08 days = 90.27 %
✓ lost 70 - 01 = 2.92 = 9.73 %

Avg. Hgt. Bark = 6.0 ft ✓

Depth = 24.7 ✓ ✓

Total = 30.7 ✓

Total Surface $\begin{array}{r} 3348 \\ 2397 \\ \hline 951 \end{array}$ $\begin{array}{r} 4297 \\ 3348 \\ \hline 949 \end{array}$

$$950 \times 17.57 = 16692.5 \text{ g/ds.}$$

Total Bedrock $\begin{array}{r} 5290 \\ 4305 \\ \hline 965 \end{array}$ $\begin{array}{r} 6437 \\ 5270 \\ \hline 967 \end{array}$

$$966 \times 17.57 = 16973.202$$

$$\frac{30.7}{3} \times 16833 = 172258 \text{ Cu Vds Total}$$

✓ Avg. Area = $\frac{55665}{16833}$ Sq. Yds

$$\frac{172258}{30} = 5742 \text{ Cu Yds. per day elapsed time}$$

$$\frac{1722581}{27.081} = 6361 \quad \checkmark \quad \checkmark \quad \checkmark \quad \text{running} \quad \checkmark$$

	6428	6420
Virgin Surface	6229	6428
	199	192

$$196 \times 17.57 = 3444 \text{ Sq. Yds.}$$

Virgin Bedrock

6850	7073
6628	6850
222	223

$$222 \times 17.57 = \underline{3901}$$

$$\begin{array}{r} 2 \overline{) 7345} \\ 3672 \end{array} \rightarrow 59 \text{ Yds.}$$

$$\frac{30.7}{3} \times 367.2 = 37577 \text{ Cu-Yds Virgin}$$

	Surface (Sq Ft)	Bedrock (Sq Ft)	Cu Vds	Avg Sq. Ft
Total	150828 ✓	152757 ✓	172758 ✓	151497
Virgin	30996 ✓	35109 ✓	37577 ✓	33048
Tailings	119232 ✓	117648 ✓	134681 ✓	118449

Thaw Writeoff

Block #22 - 711

= 49107 Cu. Yds.

Stripping Writeoff

Nil.

19608	18958	19283	1234	1564	1599
9	9	9	9	9	9
176472	170622	173547	14706	14076	14391

Pond Elev - 1218.1
Claims dredged - 50.5 Hanks
Surface Area - 4.05 Acres
Avg Width Cont - 270 Ft
Length - 600 Ft

1" = 100'
 Fac = 17.57
 = Sq Yds

Dredge No 11

October 1945

Dredge operated 31 days
 dug 677 hrs 45 min = 28.24 days = 91.10 T.
 lost 66 " 15 " = 2.76 " = 8.90 T.
 Avg. Hgt Bank = 4.8 Ft.
 Depth = 24.9
 Total = 29.7

Total Surface - $\frac{2275}{1156} = \frac{3388}{2275} = 1113$ 1116 x 17.57 = 19608 Sq Yds.

Total Bedrock - $\frac{4449}{3370} = \frac{5558}{4449} = 1079$ 1079 x 17.57 = 18958
 $\frac{38566}{2} = 19283$

Avg Area = 19283
 $19283 \times \frac{9.9}{3} = 190902$ Cu Yds.

$\frac{190902}{31} = 6158$ Cu Yds per day elapsed time

$\frac{190902}{28.24} = 6760$ running

Virgin Surface - $\frac{5583}{5489} = \frac{5776}{5583} = 93$ 93 x 17.57 = 1634 Sq Yds.

Virgin Bedrock - $\frac{5755}{5665} = \frac{5843}{5755} = 88$ 88 x 17.57 = 1544
 $\frac{3198}{2} = 1599$

Avg Area = 1599
 $1599 \times \frac{9.9}{3} = 15830$ Cu Yds. Virgin

Area - Sq. Ft.

	Surface	Bedrock	Avg	Cu Yds
Total	176472	170622	173547	190902
Virgin	14706	14076	14391	15830
Tailings	161766	156546	159156	175072

Thru Writeoff

Block 8 - Remainder

= 9353 Cu Yds.

$$\begin{array}{r} 183 - 80 \times 350 \times 34 \\ \hline 27 \end{array}$$

$$= 35219$$

Total = 44612

Stripping Writeoff

26-27 - Remainder

= 1257 Cu Yds.

$$\begin{array}{r} 1501 \\ \hline 9 \\ 46809 \end{array} \quad \begin{array}{r} 5675 \\ \hline 9 \\ 57075 \end{array} \quad \begin{array}{r} 5438 \\ \hline 9 \\ 48942 \end{array}$$

$$\begin{array}{r} 1195 \\ \hline 9 \\ 10755 \end{array} \quad \begin{array}{r} 1616 \\ \hline 9 \\ 14544 \end{array} \quad \begin{array}{r} 1402 \\ \hline 9 \\ 12654 \end{array}$$

Pond Elev - 1217.5'
Claims dredged 50x51 Below Hunker
Surface Area - 1.07 Acres
Avg. Width Cut - 185 ft.
Length - 200'

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

Dredge No. 11

November 1915

Shut down Nov 12 - 6:30 pm.

For Lost Time Nov 12 - 7:00 AM.

Dredge operated 11 days

Aug 244 hrs. 15 min = 10.18 days = 92.527.

lost 19.45 = 0.82 = 7.487.

Avg Hgt. Bank = 3.6 ft.

Depth = 26.4

Total = 29.8

$$\text{Total Surface} = \frac{2395}{293} \times \frac{2987}{2689} \times 296 \times 17.57 = 5201 \text{ Sq. Yds.}$$

$$\text{Total Bedrock} = \frac{3327}{323} \times \frac{3651}{3327} \times 323 \times 17.57 = 5675$$

$$\text{Avg Area} = \frac{10876}{5438} \text{ Sq. Yds.}$$

$$5438 \times \frac{29.8}{3} = 54017 \text{ Cu. Yds.}$$

$$\frac{54017}{11} = 4911 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{54017}{10.18} = 5306 \text{ running time}$$

$$\text{Virgin Surface} = \frac{3700}{3635} \times \frac{3771}{3700} \times 68 \times 17.57 = 1195 \text{ Sq. Yds.}$$

$$\text{Virgin Bedrock} = \frac{3879}{3788} \times \frac{3972}{3879} \times 92 \times 17.57 = 1616$$

$$\text{Avg Area} = \frac{2811}{1406} \text{ Sq. Yds.}$$

$$1406 \times \frac{29.8}{3} = 13966 \text{ Cu. Yds Virgin}$$

Area - Sq. Ft.

	Surface	Bedrock	Avg	Cu. Yds
Total	46809	51075	48942	54017
Virgin	10755	14544	12654	13966
Tailings	36054	36531	36288	40051

Thawing Writeoff

$$\text{BLOCK 23} - \frac{7291}{6978} \frac{7599}{7271} = 311 \times 17.57 \times \frac{34}{3} = \underline{\underline{61925 \text{ CU. YDS.}}}$$

Stripping Writeoff

NO WRITE OFF. /

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

Dredge No 11 May 1946
 Dredge started to operate May 1 - 7:00 AM
 Lost Time starts May 1 - 7:00 AM

Dredge operated 31 days

- dug 651 hrs 50 min. = 27.16 days = 87.61 %

- lost 92 - 10 - = 3.84 - = 12.39 %

Avg. Hgt. Bank = 4.3 Ft

- Depth = 25.9 -

Total - = 30.2 -

$$\text{Surface} - \frac{2109}{735} \frac{2840}{731} = 733 \times 17.57 = 12879 \text{ SQ. Yds}$$

$$\text{Bedrock} - \frac{3519}{731} \frac{4252}{733} = 732 \times 17.57 = \frac{12861}{2 \mid 25740} \text{ SQ. Yds}$$

$$\text{AVE AREA} = 12870 \text{ SQ. Yds}$$

$$\frac{4290}{12870 \times 30.2} = \frac{129528}{129558} \text{ TOTAL CU. YDS } \underline{\text{ALL REDUG TAILS.}}$$

$$\frac{129558}{31} = 4179 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{129558}{27.16} = 4770 \text{ - running -}$$

Pond Elev. - 1215.7
 Claims dredged - 51-52 Below Hunter
 Surface Area - 2.66 Acres.
 Avg Width - 270 Ft.
 - Length - 420 -

$$\begin{array}{r} 12879 \\ 9 \\ \hline 115911 \end{array} \quad \begin{array}{r} 12861 \\ 9 \\ \hline 115749 \end{array} \quad \begin{array}{r} 12870 \\ 9 \\ \hline 115830 \end{array}$$

Thawing Writeoff

Block 23 - Remainder = 17793 Cu. Yds

1027 sq. Yds.

24-

13,035 Cu. Yds.

316 sq. Yds.

25-

3,265 Cu. Yds.

Total = 34093

Stripping Writeoff

Nil

1st = 100'
Fao = 17.57
= 59 yds

Dredge No. 11

June 1946

Dredge operated 30 days

- dug 245 hrs 25 min = 26.89 days = 89.647.
- lost 74 - 35 = 3.11 = 10.367.

Avg Hgt Bank = 4.0 ft.

Depth = 24.7

Total = 28.7

Surface

5812
4752
1060

6871
5812
1059

(1060) 17.57 = 18,624 sq. yds.

Bedrock

7887
6846
1041

8931
7887
1044

(1043) 17.57 = 18,326 sq. yds.

2) 36950

Av Area

18,475 sq. yds.

$18475 \times \frac{28.7}{3} = 176744$ Cu. yds - All Y.G. Tails

$\frac{176744}{30} = 5891$ Cu. yds. per day elapsed Time

$\frac{176744}{26.89} = 6573$ - - - running

Pond Floor - 1214.5

Claims dredged - 51-52 Bel. Hunter

Surface area - 3.85 Acres

Avg Width Cut - 220 Ft.

- Length - 725

18624	18326	18475
9	9	9
167616	164934	166275

Thawing Writeoff

$$\text{Block 25} \quad \begin{array}{r} 8103 \\ 7878 \\ \hline 305 \end{array} \quad \begin{array}{r} 8501 \\ 5495 \\ \hline 306 \end{array} \quad \begin{array}{r} (306) 17.57 (31.0) \\ \hline 3 \end{array} = 55556 \text{ cu. yds.}$$

$$\text{Total} = 55556 \text{ cu. yds.}$$

Stripping Writeoff

X^o 28

$$\checkmark \text{ Remainder} = 1611 \text{ cu. yds.}$$

✓ 29

$$\checkmark \quad \checkmark = 5444 \quad \checkmark \quad \checkmark$$

✓ 30

$$\checkmark \quad \checkmark = 9918 \quad \checkmark \quad \checkmark$$

✓ 31

$$\checkmark \quad \checkmark = 14304 \quad \checkmark \quad \checkmark$$

✓ 32

$$\checkmark \quad \text{Total Stripping} = 31277. \checkmark \text{ cu. yds.}$$

Pond Elev. - 1215.2
 Claims dredged - 51-52 Hunter
 Surface area - 3.93 Acres.
 Avg Width Cut - 235 Ft.
 Length - 650 ✓

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

Dredge No 11

July 1946

Dredge operated 31 days
 - dug 666 hrs. 15 min = 27.75 days = 89.5 ft.
 - lost 77 - 45 - = 3.24 - = 10.45 ft.
 Avg. Hgt. Bank = 3.6 ft.
 - Depth = 21.5 -
 Total = 25.1 -

Total Surface $\frac{1605}{1076} \quad \frac{2688}{1083} \quad \frac{3770}{1082}$ $1082(17.57) = 19,010$ SQ. Yds.

Total Bedrock $\frac{4720}{1100} \quad \frac{5830}{1110} \quad \frac{6930}{1100}$ $1100(17.57) = \frac{19,327}{2 \mid 38,337}$ SQ. Yds.

Av. Area. 19,169 SQ. Yds.

$\frac{19169(25.1)}{3} = 160381$ Total cu. yds.

$\frac{160381}{31} = 5174$ cu. yds. per day elapsed time.

$\frac{160381}{27.76} = 5777$ cu. yds. per day digging time.

Virgin Surface $\frac{3532}{3018} \quad \frac{4547}{4035} \quad \frac{513}{312}$ $513 \times 17.57 = 9013$ SQ. Yds.

Virgin Bedrock $\frac{6350}{5892} \quad \frac{5443}{4985} \quad \frac{458}{458}$ $458 \times 17.57 = \frac{8047}{2 \mid 17060}$ SQ. Yds.

AVG. AREA 8530 SQ. Yds.

$\frac{8530(25.1)}{3} = 71368$ cu. yds. Virgin.

	Surface	Bedrock	Average	Cu. Yds.
Total	171090	173943	172521	160381
Virgin	81117	72423	76770	71368
Tails.	89973	101520	95751	89013

19010	19327	19169	9013	8047	8530
9	9	9	9	9	9
171090	173943	172521	81117	72423	76770

Thawing Whiteoil

$$\text{Unit 25} = \frac{6221}{456} \times \frac{6678}{457} = 15 \times 17.57 \times 31 = 82771 \text{ cu. yds.}$$

$$\text{Unit 26} = \frac{7241}{563} \times \frac{7807}{566} = 188 \times 17.57 \times 27.2 = 89892 \text{ cu. yds.}$$

$$\text{Total} = \underline{163618} \text{ cu. yds.}$$

172613

Stripping Whiteoil

X ⁰	32-33	=	Remainder	=	21656	cu. yds.
	33-34	=	✓	=	31764	✓
	34-35	=	$\frac{4}{5}$ ✓	=	30290	✓
	35-36	=	$\frac{3}{4}$ ✓	=	29565	✓
	36-37	=	$\frac{1}{2}$ ✓	=	19936	✓
				Total	113509	cu. yds.
					133211	✓

Aug. 1946

Dredge No 11.

1" = 100'
 Twp = 14.57
 = sq. yds.

Dredge operated 31 days (30 days for depth)

✓ dug 624 hrs. 30 min = 26.0 days = 83.94 d/o
 ✓ lost 119 ✓ 30 ✓ = 5.0 ✓ = 16.06 d/o

Arg Hgt. bank = 2.0 FT.

Arg Depth = 20.0 ✓

Total ✓ = 22.0 ✓

Surface $\begin{array}{r} 3357 \\ 2288 \\ 1069 \end{array}$ $\begin{array}{r} 4425 \\ 3357 \\ 1068 \end{array}$ $1068 \times 17.57 = 18765$ sq. yds

Bedrock $\begin{array}{r} 5438 \\ 2404 \\ 1034 \end{array}$ $\begin{array}{r} 6475 \\ 5438 \\ 1037 \end{array}$ $1036 \times 17.57 = 18203$ sq. yds.
 2136968
 Av. Area 18484 ✓ sq. yds

✓ $18484 \times 22 = 406648$ ✓ 135549 ✓
 3 ✓ Cu. yds.

$\frac{135549}{406648} = 13.184373$ ✓ cu. yds. per day elapsed time
 31

$\frac{135549}{921648} = 15.695213$ ✓ cu. yds. per day running time
 26.0

Pond Elev = 1204.3
 Claims Dredged = 52-53 below Hunter ✓
 Surface Area = 3.88 Acres ✓
 Arg Width Cut = 325' ✓
 Length = 490' ✓

$\begin{array}{r} 18765 \\ 9 \\ 168785 \end{array}$ $\begin{array}{r} 17203 \\ 9 \\ 167827 \end{array}$ $\begin{array}{r} 18484 \\ 9 \\ 166256 \end{array}$

Thawing Writeoff

Unit-28 = $\frac{7738}{1132} \frac{8345}{7738} \frac{202}{606} \times 17.57 \times 24.4 = 86596 \text{ cu. yds}$ (194L Thaw)

UNIT 27 = $\frac{5131}{4831} \frac{5434}{5131} \frac{9}{302} \times 17.57 \times \frac{27}{3} = 47755$ (194W)

UNIT 26 = $\frac{5479}{5300} \frac{5661}{5479} \frac{27.2}{180} \times 17.57 \times \frac{27.2}{3} = 28674$

TOTAL = 163,025 cu. yds

Stripping Writeoff

X¹⁰ 36-37 = $\frac{1}{5}$ Remainder = 3987 cu. yds.

37-38 = $\frac{1}{2}$ = 18641

38-39 = $\frac{1}{2}$ = 16895

39-40 = $\frac{3}{4}$ = 24435

40-41 = = 32289

41-42 = = 36070

42-43 = $\frac{1}{3}$ = 12094

Total = 144411 cu. yds.

Sept. 1946

1"-100'

Fac=17.57

=sq. yds.

Dredge N^o 11

Dredge operated 30 days

- dug 636 hrs 10 min = 86.5 days = 88.36 %

- lost 83 / 100 = 3.45 = 11.64 %

Avg Hgt bank = 3.3 ft. ✓

Avg Depth = 19.8 ✓

Total ✓ = 83.1 ✓

Surface - $\frac{3732}{2638} \frac{4825}{3732+16} = 1010 \times 17.57 = 19503 \text{ sq. yds.}$
1094 ✓ 1093 ✓

Bedrock - $\frac{5878}{2837} \frac{6919}{5878+18} = 1059 \times 17.57 = 18607 \text{ sq. yds.}$
1041 ✓ 1041 ✓
213810
Avg. Area 19055 sq. yds.

$19055 \times \frac{7.7}{83.1} = 146724 \text{ Cu. Yds.}$

$\frac{146724}{30} = 4891 \text{ Cu. Yds. per day elapsed time}$

$\frac{146724}{26.57} = 5535 \text{ - running -}$

Pond Elev. = 1196.5
Claims dredged = 53-54 Hunker ✓
Surface Area = ~~3.94 Acres~~ 4.03 Acres.
Avg Width Cut = 240'
Avg Length Cut = 730' ✓

$\frac{19503}{9} = 2167$
 $\frac{18607}{9} = 2067$
 $\frac{19055}{9} = 2117$
175527 ✓ 167443 ✓ 171495 ✓

Thawing Write off

UNIT-24	$\frac{3088}{2725} \div \frac{3454}{388}$	$365 \times 17.57 \times \frac{37.1}{3} = 79307$	cu. yds.
UNIT-25	Remainder	12149	cu. yds.
UNIT-26	✓	28828	cu. yds.
UNIT-27	✓	39883	cu. yds.
UNIT-28	✓	Total = 160167	cu. yds.

UNIT-28	$\frac{6645}{6564} \div \frac{6721}{76}$	$\frac{6798}{6721} \div \frac{77}{77}$	$76 \times 17.57 \times \frac{24.4}{3} = 11143$	cu. yds.
			Total = 171310	cu. yds.

1946 Thaw

Stripping Write off

X02 34-35	Remainder	7583	cu. yds.
35-36	✓	9854	✓
36-37	✓	15950	✓
37-38	✓	18641	✓
38-39	✓	16894	✓
39-40	✓	8143	✓

Total Stripping = 77065 ✓ cu. yds.

Pond Elev. = 1204.9 ✓
 Claims Predged = 52-53-54 Hunker ✓
 Surface Area = 3.38 Acres ✓
 Avg Width Cut = 200' ✓
 Length Cut = 750' ✓

$\frac{16340}{9}$	$\frac{16922}{9}$	$\frac{16621}{9}$	$\frac{10805}{9}$	$\frac{11333}{9}$	$\frac{11069}{9}$
147060	152118	149589	97245	101997	99621

1" = 100'
 Fac = 17.57
 = sq. yds.

Oct. 1946

Dredge N^o 11

Dredge operated 31 days
 - dug 648 hrs. 20 min = 27.01 days - 87.14 %
 - lost 95 - 40 = 3.99 = 12.86 %
 Avg Hgt. bank = 8.3 ft.
 - depth = 17.5 -
 Total = 25.8 -

Surface $\frac{4817}{931} \quad \frac{5716}{929} \quad 930 \times 17.57 = 16340 \text{ sq. yds}$

Bedrock $\frac{1437}{964} \quad \frac{2397}{960} \quad 962 \times 17.57 = 16902 \text{ sq. yds.}$
 $\frac{21332}{21332}$
 Avg Area 16621 sq. yds.

$$16621 \times \frac{8.6}{25.8} = 142941 \text{ Cu. Yds.}$$

$$\frac{142941}{31} = 4611 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{142941}{27.01} = 5292 \text{ - running -}$$

Virgin Surface $\frac{2123}{816} \quad \frac{2732}{809} \quad 615 \times 17.57 = 10805 \text{ sq. yds.}$

Virgin Bedrock $\frac{3354}{845} \quad \frac{3998}{844} \quad 645 \times 17.57 = 11333 \text{ sq. yds.}$
 $\frac{2122138}{2122138}$
 Avg Area 11069 sq. yds.

$$11069 \times \frac{8.6}{25.8} = 95193 \text{ Cu. Yds.}$$

	Surface	Bedrock	Avg.	Cu. Yds
Total	147660	152118	149289	142941
Virgin	97245	101997	99621	95193
Tailings	49815	50121	49968	47748

Thawing Writeoff

Unit-24

$$\begin{array}{r} 1382 \\ 1342 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 1424 \\ 1362 \\ \hline 62 \end{array}$$

$$= 41 \times 17.57 \times \frac{32.1}{3} = 8904 \text{ cu. yds}$$

$$\text{Total} = 8904 \text{ cu. yds.}$$

Old Than.

No Stripping Writeoff

$$1" = 100'$$

$$FAC = 17.57$$

$$= 59. \text{ ~~45~~ }$$

Nov. 1946

Dredge No 11

Shut down Nov. 3. 1946 7:00 P.M.

Dredge operated 2 days

$$\checkmark \text{ dug } 42 \text{ hrs. } 35 \text{ min.} = 1.77 \text{ days} = 88.72\%$$

$$\checkmark \text{ lost } 5 \text{ hrs. } 25 \text{ min.} = 0.23 \text{ days} = 11.28\%$$

Avg. Hgt. bank 18.5

$\checkmark$ depth 17.0

Total $\checkmark$ 35.5

Bedug Tailings

Surface -

$$\begin{array}{r} 1382 \\ 1382 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 1424 \\ 1382 \\ \hline 42 \end{array}$$

$$41 \times 17.57 = 720 \text{ sq. } \text{~~45~~}$$

Bedrock -

$$\begin{array}{r} 1194 \\ 1152 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 1236 \\ 1194 \\ \hline 42 \end{array}$$

$$42 \times 17.57 = 738 \text{ sq. } \text{~~45~~}$$

$$21 \quad 1458$$

$$\text{Avg. Area} = 729 \checkmark$$

~~43~~

$$729 \times 35.5 = 8626 \text{ cu. yds}$$

$$\frac{8626}{2} = 4313 \text{ cu. yds per day elapsed time}$$

$$\frac{8626}{1.77} = 4873 \text{ running}$$

Pond Elev. = 1204.8 $\checkmark$

Claims Dredged = 52-53 $\checkmark$ A.V.A. Kex

Surface Area = 0.45 $\checkmark$

Avg Width cut = 160' $\checkmark$

Avg length cut = 50' $\checkmark$

$$\begin{array}{r} 720 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ 9 \\ \hline \end{array}$$

$$\begin{array}{r} 729 \\ 9 \\ \hline \end{array}$$

$$6480 \checkmark$$

$$6642 \checkmark$$

$$6561 \checkmark$$

1" = 100'
 K₁₀ = 17.57
 = 59.445

Dredge No 11

April 1947
 Started digging Apr 26 - 11:20 AM

Dredge operated 5 days

✓ dug 101 hrs. 35 min. = 4.23 days = 84.65 %
 ✓ lost 18 " 25 " = 0.77 " = 15.35 %

✓ Avg Hgt Bank = 11.8 ft.

✓ Depth = 21.8 "

Total " = 33.6 "

Surface - $\begin{array}{r} 7607 \quad 7648 \\ 7582 \quad 7607 \\ \hline 25 \quad 21 \end{array}$

23 x 17.57 = 404 59 445.

Bedrock - $\begin{array}{r} 7655 \quad 7673 \\ 7635 \quad 7655 \\ \hline 20 \quad 18 \end{array}$

19 x 17.57 = $\begin{array}{r} 334 \\ 2738 \end{array}$ ✓

Avg Area = $\begin{array}{r} 369 \end{array}$ ✓

$369 \times \frac{11.2}{3} = 4133$ Cu. Yds - **Yukon Gold Tails.**

$\frac{4133}{5} = 827$ Cu. Yds. per day elapsed time

$\frac{4133}{4.23} = 977$ " " running ✓

Pond Elev - 1208.0
 Claims dredged - 52-53 Below Hunter
 Surface Area - 0.08 Acres
 Avg Width Cut - 180 ft.
 Length - 20 "

$\begin{array}{r} 404 \quad 334 \quad 369 \\ 9 \quad 9 \quad 9 \\ \hline 3636 \quad 3006 \quad 3321 \end{array}$

Thawing Write-off.

Block #24 Remainder = 20834 Cu. Yds.

Stripping Write off.

Nil

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

Dredge N^o 11

May 1947

Dredge Operated 31 days.

" dug 665 hrs

40 min = 27.74 days = 89.47%

" lost 78 hrs

20 min = 3.26 days = 10.53%

Avg height Bank = 5.7 Ft.

Avg depth = 24.6 Ft.

Total " = 30.3 "

Surface

3902

4377

3425

3902

477

475

476 x 17.57 = 8363 Sq. Yds.

Bedrock

4903

5422

6990

7514

4377

4903

6477

6990

526

519

583

524

524 x 17.57 = 9207 Sq. Yds.

Total Area = 217570

Avg Area = 8785 Sq. Yds.

Yukon Gold Tails

8785 x $\frac{10.53}{3}$ = 88728 Cu. Yds.

$\frac{88728}{31}$ = 2862 Cu. Yds. per day elapsed time

$\frac{88728}{27.74}$ = 3198 Cu Yds per day running time

Pond Elev - 1197.9'

Claims dredged - 52, 53, 54 Below Hunter

Surface Area - 1.73 Acres.

Avg. Width Cut - 150'

" Length " - 580'

8363	9207	8785
9	9	9
75267	82863	79065

Thawing Writeoff

$$\text{Block \# 28} - \frac{1353 \times 24.4}{3} = 11004 \text{ Cu Yds.}$$

Stripping Writeoff

$$\text{X's 42-43} - \frac{1}{3} \text{ Remainder} = 8063 \text{ Cu Yds.}$$

Pond Area - 1199.3
Claims dredged - 54-55 Bol Hunter
Surface Area - 1.21 Acres.
Avg Width - 150 Ft.
Length - 450'

Dredge No 11

June 1947

Dredge operated 30 days

- dug 631 hrs w-min = 26.31 days = 87.70 %

- lost 88 % 35 % = 3.69 % = 12.30 %

Avg Hgt Bank = 4.7 ft.

- Depth = 11.6

Total = 29.3

Total Surface	9339	9275	333 x 17.57 = 5851 Sq Yds.
	9009	9339	
	330	336	
Bedrock	1786	2130	345 x 17.57 = 6061
	179	2130	
	489	344	211912
		347	
			Avg Area = 5956

$5956 \times 29.3 = 58170$ Total Cu Yds.

$\frac{58170}{30} = 1939$ Cu Yds. per day elapsed time

$\frac{58170}{26.31} = 2211$ running

Virgin Surface	3178	3255	77 x 17.57 = 1353 Sq Yds.
	3102	3178	
	76	77	

Virgin Bedrock	3322	3388	67 x 17.57 = 1177
	3255	3322	
	67	66	2530

Avg Area = 1265

$1265 \times 29.3 = 12355$ Cu Yds. Virgin

	Surface	Bedrock	Avg	Cu Yds.
Total	5851	6061	5956	58170
Virgin	1353	1177	1265	12355
Tails	4498	4884	4691	45815

5851	6061	5956	1353	1177	1265	4498	4884	4691
9	9	9	9	9	9	9	9	9
52659	54549	53604	12777	10593	11385	40482	43956	42219

Thawing Write off

Block 28- Remainder

= 32561 Cu Yds.

$$\begin{array}{rcl}
 \checkmark \quad 29- & \begin{array}{r} 4990 \\ 4538 \\ \hline 452 \end{array} & \begin{array}{r} 5441 \\ 4990 \\ \hline 451 \end{array} \\
 (25.8) & &
 \end{array}
 \quad 451 \times 17.57 \times \frac{8.6}{25.8} = 68146 \quad \checkmark \checkmark$$

$$\text{Total} = 100707 \quad \checkmark \checkmark$$

Stripping Write off

X ²	42-43	-	Remainder	=	16125 Cu Yds.	
	43-44	-	✓	=	31926	✓
	44-45	-	✓	=	29725	✓
	45-46	-	9/10 ✓	=	25335	✓
				Total	103111	✓

Pond Elev - 1196.1
 Claims dredged - 55 Below Hunker
 Surface Area - 3.15 Acres.
 Avg Width Cut - 180 Ft.
 ✓ Length - 730 ✓

Dredge No 11

July 1947

Dredge operated 31 days

- dug 668 hrs. 85 min = 17.85 days = 89.84 %
 - lost 75 - 35 - = 3.15 - = 10.16 %

Avg Hgt Bank = 5.7 ft.

- Depth = 22.3 -

Total - = 28.0 -

Total Surface - $\frac{7124}{6260} \frac{7995}{7124}$
 $\frac{864}{871}$

$868 \times 17.57 = 15251$ Sq Yds.

Total Bedrock - $\frac{8830}{7993} \frac{9664}{8830}$
 $\frac{837}{834}$

$836 \times 17.57 = 14689$
 $\sqrt{29940}$

Avg Area = 14970 ✓

$\frac{14990}{3} \times 28.0 = 139720$ Cu. Yds. Total

$\frac{139720}{31} = 4507$ Cu. Yds per day elapsed time

$\frac{139720}{17.85} = 5017$ - - - running -

Virgin Surface $\frac{0340}{9667} \frac{1018}{0340}$
 $\frac{673}{678}$

$675 \times 17.57 = 11860$ Sq Yds.

Virgin Bedrock $\frac{1288}{1013} \frac{1357}{1288}$
 $\frac{275}{667}$

$672 \times 17.57 = 11807$
 $\sqrt{23667}$

Avg Area = 11833 ✓

$\frac{11833}{3} \times 28.0 = 110441$ Cu. Yds Virgin

	Surface	B.R.	Avg.	Cu. Yds
Total	15251	14689	14970	139720
Virgin	11860	11807	11833	110441
Tails	3391	2882	3137	29279

T	T	T	V	V	V	Tails	Tails	Tails
15251	14689	14970	11860	11807	11833	3391	2882	3137
9	9	9	9	9	9	9	9	9
137259	132201	134730	106740	106263	106497	30519	25938	28233

Thawing Writedoff

Block 29 -	8591	8637	¹¹⁵ 45 X 17.57 X ^{9.97} <u>25.8</u>	= 6798 ✓	Cu. Yds
^{✓5.8}	<u>8546</u>	<u>8591</u>	<u>3</u>		
	45 ✓	46 ✓			
Block 30 -	8950	9025	[✓] 74 X 17.57 X [✓] <u>28.3</u>	= 12263 ✓ ✓	
^{✓8.3}	<u>8878</u>	<u>8950</u>	<u>3</u>		
	72 ✓	75 ✓			
			Total =	19061 ✓ ✓ ✓	

Stripping Writedoff

X ⁿ 46-47 -	1/6 Remainder	=	4866	Cu. Yds.	✓
47-48 -	1/6 ✓	=	4942	✓ ✓	✓
48-49 -	1/6 ✓	=	<u>4403</u>	✓ ✓	✓
Total =		14211	✓ ✓		

Pond Elev. - 1191.0 Ft. ✓
 Claims dredged - 55 + 56 ✓
 Surface Area - 2.02 Acres ✓
 Avg. Width Cut - 230 Ft. ✓
 " Length " - 400 ✓ ✓

Dredge N-11

August 1947

Dredge operated 31 days

✓ dug 666 hrs. w min = 27.77 days = 89.57 %

✓ lost 77 ✓ 35 ✓ = 3.23 ✓ = 10.43 %

Avg Hgt. Bank = 6.5 ft.

Depth = 23.4

Total = 29.9

Total Surface 0853 1409 557 x 17.57 = 9786 ✓ Sq. Yds.

0295 0853

558 ✓ 556 ✓

Total Bedrock 2736 3221 482 x 17.57 = 8468 ✓ Sq. Yds.

2256 2736

480 ✓ 485 ✓

218254 ✓

Arg. Area = 9127 ✓

9127 x $\frac{29.9}{3}$

= 90966 Cu. Yds. Total

$\frac{90966}{31} =$

2934 ✓ Cu. Yds. per day elapsed time

$\frac{90966}{27.77} =$

3276 ✓ Cu. Yds. per day running time

Virgin Surface 4214 4295 ✓ 82 x 17.57 = 1440 ✓ Sq. Yds

4132 4214
0082 ✓ 0081 ✓

Virgin Bedrock. 4357 4421 63 x 17.57 = 1107 ✓

4295 4357

212547 ✓

0062 ✓ 0064 ✓ Arg. Area = 1273 ✓

1273 x $\frac{29.9}{3} =$ 12691 ✓ Cu. Yds. Virgin

	Surface	B.R.	Arg.	Cu. Yds.
Total	9786 ✓	8468 ✓	9127 ✓	90966
Virgin	1440 ✓	1107 ✓	1273 ✓	12691
Tails	8346 ✓	7361 ✓	7854 ✓	78275 ✓

Total	Total	Total	Virgin	Virgin	Virgin	Tails	Tails	Tails
9786 ✓	8468 ✓	9127 ✓	1440 ✓	1107 ✓	1273 ✓	8346 ✓	7361 ✓	7854 ✓
9	9	9	9	9	9	9	9	9
88074 ✓	76212 ✓	82143 ✓	12960 ✓	9963 ✓	11457 ✓	75114 ✓	66249 ✓	70686 ✓

Thawing Writeoff

$$\begin{array}{l} \text{Block \# 31} \\ (84.4) \end{array} \quad \begin{array}{r} 1491 \\ 1286 \\ \hline 185 \end{array} \quad \begin{array}{r} 1659 \\ 1491 \\ \hline 168 \end{array} \quad \begin{array}{r} 62 \\ 186 \times 17.57 \times 24.4 \\ \hline 3 \end{array} = 26580 \text{ Cu. Yds.}$$

Stripping Writeoff

Nil

Dredge No: 11

September 1947

Dredge operated 30 days

✓ dug 647 hrs 45 min = 26.99 days = 89.97 %
 ✓ lost 72 15 = 3.01 = 10.03 %

Avg. Hgt. Bank = 2.6 ft.

✓ Depth = 25.8

Total = 28.4

Surface $\begin{array}{r} 8288 \\ 7488 \\ \hline 800 \end{array}$ $\begin{array}{r} 9090 \\ 8288 \\ \hline 802 \end{array}$

$801 \times 17.57 = 14074.35$ yds.

Bedrock $\begin{array}{r} 9845 \\ 9058 \\ \hline 787 \end{array}$ $\begin{array}{r} 0631 \\ 9845 \\ \hline 786 \end{array}$

$786 \times 17.57 = 13810$

$\rightarrow 27884$

Avg Area = $\frac{13942}{9} = 1549.11$

$\frac{13942 \times 28.4}{3} = 131984$ Cu. Yds. - **ALL Y.G. Tails**

$\frac{131984}{30} = 4399$ Cu. Yds. per day elapsed time

$\frac{131984}{26.99} = 4890$ - running -

Pond Elev - 1193.7

Claims dredged - 56-57 Below Hunter

Surface Area - 2.91 Acres

Avg Width Cut - 250 ft.

Length - 480

$\begin{array}{r} 14074 \\ 9 \\ \hline 126666 \end{array}$ $\begin{array}{r} 13810 \\ 9 \\ \hline 124290 \end{array}$ $\begin{array}{r} 13942 \\ 9 \\ \hline 125478 \end{array}$

Thawing Writeoff

Block 32 -	$\begin{array}{r} 3636 \\ 3561 \\ \hline 75 \end{array}$	$\begin{array}{r} 3705 \\ 3636 \\ \hline 69 \end{array}$	$\left\{ \begin{array}{l} 72 \times 17.57 \times 15.6 \\ 3 \\ 34 \times 17.57 \times 5.2 \\ 3 \end{array} \right\}$	=	9688 Cu.Yds.
✓	$\begin{array}{r} 8270 \\ 8237 \\ \hline 33 \end{array}$	$\begin{array}{r} 8305 \\ 8270 \\ \hline 35 \end{array}$	total: 106		

Stripping Writeoff

x254-55 -	1/11 Remainder			= 1515 Cu.Yds.	✓
55-56 -	1/4	✓		= 1649	✓
56-57 -	1/6	✓		= 1225	✓
				Total = 4389	✓

Pond Elev	-	1186.3	✓	
Claims dredged	-	57-58 Bel. Hunter	✓	
Surface Area	-	3.32 Acres	✓	
Avg. Width Cut	-	220 Ft	✓	
Length	-	675	✓	

Dredge N^o 11

October 1947

Dredge operated 31 days ✓

dug 478 hrs 40 min = 28.58 days - 91.22 ✓

lost 65 - 20 - = 2.72 ✓ = 8.78 ✓

Avg Hgt. Bank = 2.9 ft. ✓

Depth = 21.9 ✓

Total = 24.8 ✓

Total Surface	$\begin{array}{r} 5127 \\ 4209 \\ \hline 918 \end{array}$	$\begin{array}{r} 6036 \\ 5127 \\ \hline 909 \end{array}$	$914 \times 17.57 = 16059$	39 Yds. ✓
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Total Bedrock	$\begin{array}{r} 6934 \\ 6010 \\ \hline 924 \end{array}$	$\begin{array}{r} 7858 \\ 6934 \\ \hline 924 \end{array}$	$924 \times 17.57 = 16235$	✓
			$\begin{array}{r} 16235 \\ 32294 \\ \hline \end{array}$	

Avg Area = 16147 ✓

 $16147 \times \frac{24.8}{3} = 133482$ Cu Yds ✓ $\frac{133482}{31} = 4306$ Cu Yds. per day elapsed time ✓ $\frac{133482}{28.58} = 4720$ ✓

running ✓

Virgin Surface	$\begin{array}{r} 7995 \\ 7882 \\ \hline 113 \end{array}$	$\begin{array}{r} 8107 \\ 7995 \\ \hline 112 \end{array}$	$112 \times 17.57 = 1968$	59 Yds ✓
----------------	---	---	---------------------------	----------

Virgin Bedrock	$\begin{array}{r} 8175 \\ 8088 \\ \hline 87 \end{array}$	$\begin{array}{r} 8257 \\ 8175 \\ \hline 82 \end{array}$	$85 \times 17.57 = 1494$	✓
			$\begin{array}{r} 1494 \\ 3462 \\ \hline \end{array}$	✓

Avg Area = 1731 ✓

 $\frac{1731 \times 24.8}{3} = 14310$ Cu Yds. Virgin ✓

	Surface	Bedrock	Avg.	Cu Yds
Total	16059	16235	16147	133482
Virgin	1968	1494	1731 ✓	14310 ✓
Tailings	14091	14741	14416	119172

Total	Total	Total	Virgin	Virgin	Virgin	Tails	Tails	Tails
16059	16235	16147	1968	1494	1731	14091	14741	14416
9	9	9	9	9	9	9	9	9
144531	146115	145323	17712	13446	15579	126819	132669	129744

Thawing Writeoff

Block #30	- 28.3	$\frac{6702}{6676} \quad \frac{6730}{6702}$ $\frac{26}{28}$	$\frac{9}{27} \times \frac{17.57}{3} \times 28.3$	=	4475 Cu Yds ✓
Block #31	- 24.4	$\frac{6870}{6740} \quad \frac{6999}{6870}$ $\frac{130}{129}$	$\frac{43}{129} \times \frac{17.57}{3} \times 24.4$	=	18434 ✓ ✓
Block #32	- 15.6	$\frac{7133}{7130} \quad \frac{7133}{7133}$ $\frac{3}{2}$	$\frac{3}{3} \times \frac{17.57}{3} \times 15.6$	=	274 ✓ ✓
Total				=	23183 ✓ ✓

Stripping Writeoff

X'D 50-51	- 1/5	Remainder	=	3181 Cu Yds. ✓
51-52	- 1/4	✓	=	3088 ✓ ✓
52-53	- 1/7	✓	=	1477 ✓ ✓
Total				= 7746 ✓ ✓

Pond Elev. - 1186.9 ✓
 Claims dredged - 57 Below Hunter ✓
 Surface Area - 1.38 Acres ✓
 Avg Width Cut - 150 Ft. ✓
 Length - 380 ✓ ✓

Dredge No. 11

November 1947
Shut down Nov 19 - 8 PM

Dredge operated 18 days.

- dug 390 hrs. 25 min = 16.27 days = 90.38 % ✓

- lost 41 - 35 - = 1.73 - = 9.62 % ✓

Avg Hgt. Bank = 6.5 ft. ✓

- Depth = 18.1 - ✓

Total - = 24.6 - ✓

Total Surface - $\frac{7670}{7287} \frac{8048}{7670}$ $\frac{383}{378}$ $380 \times 17.57 = 6677$ Sq. Yds. ✓

Total Bedrock - $\frac{8444}{8048} \frac{8834}{8444}$ $\frac{390}{390}$ $393 \times 17.57 = 6905$ ✓
 $\frac{2}{13582}$
Avg. Area = 6791 ✓ ✓

$6791 \times \frac{8.2}{24.6} = 55686$ Cu. Yds. ✓

$\frac{55686}{18} = 3094$ Cu. Yds. per day elapsed Time ✓

$\frac{55686}{16.27} = 3423$ ✓ - running - ✓

Virgin Surface - $\frac{8933}{8833} \frac{9036}{8933}$ $\frac{100}{103}$ $102 \times 17.57 = 1792$ Sq. Yds. ✓

Virgin Bedrock - $\frac{9119}{9036} \frac{9203}{9119}$ $\frac{83}{84}$ $84 \times 17.57 = 1476$ ✓
 $\frac{2}{3268}$
Avg. Area = 1634 ✓ ✓

$1634 \times \frac{8.2}{24.6} = 13399$ Cu. Yds. Virgin. ✓

	Surface	Bedrock	Avg.	Cu. Yds
Total	6677	6905	6791	55686
Virgin	1792	1476	1634	13399
Tailings	4885	5429	5157	42287

Total	Total	Total	Virgin	Virgin	Virgin	Tails	Tails	Tails
6677	6905	6791	1792	1476	1634	4885	5429	5157
9	9	9	9	9	9	9	9	9
60093	62144	61119	16128	13284	14706	43965	48861	46413

Thawing Writeoff

Block 30
(28.3)

6797	7221
6373	6797
424	424

$$424 \times \frac{17.57}{3} \times 28.3$$

$$= 70271 \text{ Cu.Yds}$$

Block 29 - Remainder

$$= 43497 \text{ Cu.Yds}$$

$$\text{Total} = 113768$$

Stripping Writeoff

X? 45-46 - Remainder

$$= 2821 \text{ Cu.Yds.}$$

✓ 46-47 - ✓

$$= 24340 \quad \checkmark$$

✓ 47-48 - ✓

$$= 24710 \quad \checkmark$$

✓ 48-49 - $\frac{1}{2}$ ✓

$$= 11008 \quad \checkmark$$

✓ 49-50 - $\frac{1}{2}$ ✓

$$= 10533 \quad \checkmark$$

✓ 50-51 - $\frac{1}{5}$ ✓

$$= 2545 \quad \checkmark$$

$$\text{Total} = 75957 \quad \checkmark$$

Dredge No 11

May 1948

Started operating May 1 - 8:00 AM

Lost Time May 1 - 8:00 AM

Dredge operated 31 days

- dug 668 hrs. 05 min = 27.84 days = 89.80 %

- lost 75 ✓ 55 ✓ = 3.16 - = 10.20 %

Avg. Hgt Bank = 6.0 Ft.

- Depth = 18.0 -

Total - = 24.0 -

Surface
$$\begin{array}{r} 4981 \\ 4268 \\ \hline 713 \end{array} \quad \begin{array}{r} 5704 \\ 4981 \\ \hline 723 \end{array} \quad \begin{array}{r} 6919 \\ 5704 \\ \hline 715 \end{array}$$

$714 \times 17.57 = 12545 \checkmark 59 \text{ Yds.}$

Bedrock
$$\begin{array}{r} 7326 \\ 6481 \\ \hline 745 \end{array} \quad \begin{array}{r} 7968 \\ 7226 \\ \hline 742 \end{array}$$

$744 \times 17.57 = 13072 \checkmark$

$\checkmark 25617 \checkmark$

Avg. Area = $12809 \checkmark$

$$\frac{12809 \times 24.0}{3} = 102472 \text{ Cu Yds. } \checkmark$$

$$\frac{102472}{31} = 3306 = \text{Cu Yds per day elapsed Time } \checkmark$$

$$\frac{102472}{27.84} = 3681 = \text{running } \checkmark$$

Pond Elev. - 1192.3

Claims dredged - 56-57 Below Hunter

Surface Area - 2.59 Acres.

Avg. Width cut - 200 Ft.

- Length - 610 ✓

$$\begin{array}{r} 12545 \\ 9 \\ \hline 112905 \checkmark \end{array} \quad \begin{array}{r} 13072 \\ 9 \\ \hline 117648 \checkmark \end{array} \quad \begin{array}{r} 12809 \\ 9 \\ \hline 115281 \checkmark \end{array}$$

Thawing Whiteoff

Block 30 - Remainder ✓

= 55504 Cu.Yds. ✓

✓ 31 - ✓ ✓

= 57571 ✓ ✓

✓ 32 - $\frac{6200}{6120}$ ✓ $\frac{6278}{6200}$ ✓
(15.6) $\frac{80}{78}$ ✓

79 X $\frac{17.57}{3}$ X 15.6 ✓

= $\frac{7217}{120292}$ ✓ Cu. yds.
Total 120292 ✓ Cu. yds.

Stripping Whiteoff

X 48-49 -
49-50 -
50-51 -
51-52 -
52-53 -
53-54 -
54-55 -

11008 ✓ Cu.Yds.

10534 ✓ -

10181 ✓ -

9264 ✓ ✓

8863 ✓ ✓

8926 ✓ ✓

6059 ✓ -

Total 64831 ✓ ✓

17.57

Dredge No 11

June 1948

Dredge operated 30 days

✓ dug 654 hrs. 15 min = 27.26 days = 90.87 ✓
 ✓ lost 65 ✓ 45 ✓ = 2.74 ✓ = 9.13 ✓

Avg Hgt. Bank = 4.5 FT ✓

Depth = 18.2 ✓

Total = 22.7 ✓

Surface

$$\begin{array}{r} 2057 \quad 2930 \\ 1186 \quad 2057 \\ \hline 871 \quad 873 \end{array}$$

872 X 17.57 = 15321 ✓ sq. yds.

Bedrock

$$\begin{array}{r} 3793 \quad 4650 \\ 2930 \quad 3793 \\ \hline 863 \quad 857 \end{array}$$

860 X 17.57 = 15110 ✓ sq. yds.

2 | 30431

Avg. Area = 15215 ✓

$$\frac{15215 \times 22.7}{3} = 115127 \text{ cu. yds.}$$

$$\frac{115127}{30} = 3838 \text{ cu. yds. per day elapsed time}$$

$$\frac{115127}{27.26} = 4223 \text{ cu. yds. per day running time}$$

Pond Elev. 1187.1

Claims Dredged 56+57 Below Hunker

Surface Area 3.17 ✓ Acres

Avg. Width Cut 210'

Avg. Length Cut 680'

15321 15110 15215

$$\begin{array}{r} 9 \quad 9 \quad 9 \\ \hline \end{array}$$

137889 ✓ 135990 ✓ 136935 ✓

Thawing Write off

Block 32 - Remainder = 25389 ✓ Cu. Yds.

Block 33 $\frac{1355}{1244} \frac{1468}{1355} \frac{112 \times 17.57 \times 27.4}{9.133} = 17972$
 $\frac{111}{113}$ ✓
 Remainder = 17972 = 56647 ✓
 Total = 82036 ✓

$$\begin{array}{r} 74619 \\ 17972 \\ \hline 56647 \end{array}$$

Stripping Write off

X ⁿ 55-56	-	Remainder	=	4947 ✓	Cu. Yds.
56-57	-	✓	=	6127 ✓	✓ ✓
57-58	-	✓	=	8145 ✓	✓ ✓
58-59	-	✓	=	9442 ✓	✓ ✓
59-60	-	2/3 ✓	=	8081 ✓	✓ ✓
		Total		36742 ✓	✓ ✓

Dredge No. 11

July 1948

Dredge operated 31 days

Dredge dug 601 hrs. 05 min. = 25.05 days = 80.79%

Dredge lost 142 ✓ 55 ✓ = 5.95 ✓ = 19.21%

Avg. Hgt. Bank = 2.8 Ft. ✓

Depth = 17.8 ✓

Total = 20.6 ✓

Surface $\begin{array}{r} 5220 \\ 437 \\ \hline 1083 \end{array}$

$\begin{array}{r} 6141 \\ 5220 \\ \hline 921 \end{array}$

$\begin{array}{r} 8904 \\ 7980 \\ \hline 924 \end{array}$

923 x 17.57 = 16217 ✓ sq. yds.

Bedrock $\begin{array}{r} 2535 \\ 1630 \\ \hline 905 \end{array}$

$\begin{array}{r} 1630 \\ 0724 \\ \hline 906 \end{array}$

$\begin{array}{r} 0724 \\ 9820 \\ \hline 904 \end{array}$

905 x 17.57 = 15900 ✓ sq. yds.

Avg. Area = $\begin{array}{r} 2 \overline{) 32117} \\ 16059 \end{array}$ ✓ sq. yds.

$\begin{array}{r} 5353 \\ 20.6 \\ \hline 16059 \times 22.7 = 121513 \end{array}$ cu. yds.

$\begin{array}{r} 11027 \\ 121513 \\ \hline 31 \end{array}$ = 3920 cu. yds per day elapsed time.

$\begin{array}{r} 11027 \\ 121513 \\ \hline 25.05 \end{array}$ = 4851 cu. yds. per day running time

Pond Elev. - 1181.7 ✓

Claims Dredged - 57 & 58 Below Hunker ✓

Surface Area - 3.35 Acres ✓

Avg. Width Cut - 230 Ft.

Avg Length Cut - 650 ✓

$\begin{array}{r} 16217 \\ 9 \\ \hline 145953 \end{array}$

$\begin{array}{r} 15900 \\ 9 \\ \hline 143100 \end{array}$

$\begin{array}{r} 16059 \\ 9 \\ \hline 144531 \end{array}$

Thawing Witeoff

Block 33- Remainder = 17972 Cu Yds.

Block 34- (2 Areas) $\frac{2013}{19.4} \frac{2073}{60} \frac{2466}{60} \frac{2582}{116}$ $\frac{2013}{60} \frac{2350}{116} \frac{2466}{116}$ $176 \times 17.57 \times 19.4 = 19994$ ✓

Block 35- (2 Areas) $\frac{1990}{18.7} \frac{2060}{21} \frac{2660}{20} \frac{2660}{40} \frac{2660}{40}$ $\frac{2060}{20} \frac{2660}{40} \frac{2660}{40}$ $60 \times 17.57 \times 18.7 = 6572$ ✓
Total = 44538 ✓

Stripping Witeoff

X² 60-61 - 1/5 Remainder = 3069 Cu Yds.
X² 61-62 - 1/4 = 5095 ✓
X² 62-63 - 1/4 = 5538 ✓
X² 63-64 - 1/5 = 3913 ✓
X² 64-65 - 1/5 = 3291 ✓
X² 65-66 - 1/5 = 3008 ✓
Total = 23914 ✓

Pond Elev - 1176.9
Claims dredged - 58-59-60 Below Hunter
Surface Area - 4.18 Acres.
Avg Width Cut - 225 Ft.
Length - 750 -

	Surface	Bedrock	Avg	Cu Yds
Virgin	6852	6395	6624	53213
Y.G. Tails	10981	10981	10981	88214
Total	17833	17376	17605	141427

	Surface	Bedrock	Avg	Cu Yds
Total Area	20241	19397	19819	159213
Virgin & Y.G. Tails	17833	17376	17605	141427
Redug #11 Tails	2408	2021	2214	17786

Dredge No 11

Aug. 1948

Dredge operated 31 days

Dredge dug 665 hrs. 45 min = 27.74 days = 89.487

Dredge lost 78 ✓ 15 ✓ = 3.26 = 10.527

Avg. Hgt. Bank = 6.7 ft.

Depth = 17.4

Total = 24.1

Total Surface	8733	9414
	7585	8259
	1148	1155

1152 x 17.57 = 20241 sq. yds.

Total Bedrock	2761	3866
	2658	2761
	1103	1105

1104 x 17.57 = 19397 sq. yds.

✓ 39638

Avg. Area = 19819 sq. yds.

$$\frac{19819 \times 24.1}{3} = 159213 \text{ Cu. Yds.}$$

$$\frac{159213}{31} = 5136 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{159213}{27.74} = 5739 \text{ ✓}$$

- running -

Virgin Surface	4143	3269
	3750	2882
	393	387

390 x 17.57 = 6852 sq. yds.

Virgin Bedrock	3282	3645
	2918	3282
	364	363

364 x 17.57 = 6395 sq. yds.

✓ 13247

$$\frac{6624 \times 24.1}{3}$$

$$\frac{19819 \times 24.1}{3} = 159213 \text{ Cu. Yds. Virgin}$$

Y. G. Tailings	4429	5056
	3807	4429
	622	627

625 x 17.57 = 10981 sq. yds.

$$\frac{10981 \times 24.1}{3} = 88214 \text{ Cu. Yds. Tailings Y. G. G.}$$

Total	S.	B.R.	Avg	Virgin	Y. G. Tailo	All Redug.
20241	19397	19819	6852	6395	6624	2408
9	9	9	9	9	9	9
182169	174573	178371	61668	57555	59616	58829
						21672
						18189
						19926

Thawing Writeoff

$$\text{Block} = 36 \text{ (2 Areas)} \quad \frac{3863}{3808} \quad \frac{3915}{3863} \quad \frac{3791}{3764} \quad \frac{3818}{3791} = \frac{27}{27} \times 17.57 \times 19.4 = 9204 \text{ Cy.}$$

$$\text{Block} = 37 \quad \frac{4320}{4222} \quad \frac{4418}{4320} = 98 \times 17.57 \times 20.3 = 11652$$

Total = 20856

Stripping Writeoff

X ² 66-67 = 1/3	Remainder.	=	5309	cu. yds.
X ² 67-68 = 1/3	✓	=	5048	✓
X ² 68-69 = 1/2	✓	=	6785	✓
X ² 69-70 = 1/2	✓	=	6544	✓
X ² 70-71 = 1/2	✓	=	6683	✓
X ² 71-72 = 1/2	✓	=	8065	✓
Total = 38434			✓	✓

Pond Elev - 1173.8
 Claims dredged - 60-61 Below Hunter
 Surface Area - 390 Acres. ✓
 Avg width cut - 180 Ft.
 Length - 970 ✓

Dredge No 11

Sept./48

Dredge operated 30 days

✓ dug 651 hrs 0 min = 27.12 days = 50.42 %
 ✓ lost 69 - 0 - = 2.88 - = 9.58 %

Avg. Hgt. Bank = 4.5 ft.

- Depth = 17.6 -

Total ✓ = 22.1 ✓

Total Surface $\frac{8971}{2897} \frac{8042}{2971}$ = 1073 x 17.57 = 18853 ✓ sq. yds.
 1074 1071

Total Bedrock $\frac{6827}{1070} \frac{2160}{1063}$ = 1067 x 17.57 = 18747 ✓ sq. yds.
 1097 1063

Avg Area = 18800 ✓ sq. yds.

$\frac{18800 \times 22.1}{3}$ = 138493 ✓ Cu. yds

$\frac{138493}{30}$ = 4616 ✓ Cu. yds per day elapsed time

$\frac{138493}{27.12}$ = 5107 ✓ running -

Virgin Surface $\frac{2693}{2220} \frac{2160}{2693}$ = 470 x 17.57 = 8258 ✓ sq. yds.
 473 467

Virgin Bedrock $\frac{3577}{3143} \frac{4013}{3577}$ = 435 x 17.57 = 7642 ✓ sq. yds.
 434 436

Avg Area = 7950 ✓ sq. yds.

$\frac{7950 \times 22.1}{3}$ = 58565 ✓ Cu. yds. Virgin

	Surface	Bedrock	Avg	Cu. yds
Total	18853	18747	18800	138493
Virgin	8258	7642	7950	58565
Tailings	10595	11105	10850	79928

	Total	Virgin	Tails.
18853	18747	18800	8258
9	9	9	9
169677	168723	169200	74322
	68778	71550	95355
	99945	97650	

Thawing Writeoff

Block # 34

Remainder ✓

= 64312 cu.yds.

$$\begin{array}{r} 35 \checkmark \\ (18.7) \cdot \end{array} \begin{array}{r} 6623 \\ 6304 \\ \hline 319 \checkmark \end{array} \begin{array}{r} 6944 \\ 6623 \\ \hline 321 \checkmark \end{array}$$

$$320 \times 17.57 \times 18.7 = 35044 \checkmark$$

$$\begin{array}{r} 36 \checkmark \\ (19.4) \cdot \end{array} \begin{array}{r} 7535 \\ 7523 \\ \hline 12 \checkmark \end{array} \begin{array}{r} 7547 \\ 7535 \\ \hline 12 \checkmark \end{array}$$

$$12 \times 17.57 \times 19.4 = 1358 \checkmark$$

Total = ~~100894~~
100914 ✓

Stripping Writeoff

X4 59-60 = ✓ Remainder

= 4041 ✓ cu.yds.

60-61 = ✓ ✓

= 12276 ✓ ✓

61-62 = ✓ ✓

= 15283 ✓ ✓

62-63 = ✓ ✓

= 16615 ✓ ✓

63-64 = 1/2 ✓ ✓

= 7825 ✓ ✓

64-65 = 1/2 ✓ ✓

= 6583 ✓ ✓

65-66 = 1/2 ✓ ✓

= 6017 ✓ ✓

66-67 = 1/2 ✓ ✓

= 5309 ✓ ✓

67-68 = 1/2 ✓ ✓

= 5048 ✓ ✓

~~78129~~
78997 ✓

Pond Elev. = 1176.0

Claims Dredged 58-59-60 ✓

Surface Area 3.75 Acres ✓

Avg. Width Cut 150 Ft. ✓

Length ✓ ~~750 Ft.~~
1140 ✓

Dredge No. 11

Oct. 1948

Dredge operated 31 days ✓
 ✓ dug 671 hrs. 25 min. = 27.98 days = 90.24 %
 ✓ lost 72 ✓ 35 ✓ = 3.02 ✓ = 9.76 %
 Avg. Hgt. Bank 4.0 Ft. ✓
 ✓ Depth 14.8 ✓
 Total ✓ 18.8 ✓

Total Surface

$$\begin{array}{r} 2362 \\ 1328 \\ \hline 1034 \end{array}$$

$$\begin{array}{r} 3396 \\ 2362 \\ \hline 1034 \end{array}$$
 $1034 \times 17.57 = 18167 \checkmark$ sq. yds.

Total Bedrock

$$\begin{array}{r} 4448 \\ 3392 \\ \hline 1056 \end{array}$$

$$\begin{array}{r} 5498 \\ 4448 \\ \hline 1050 \end{array}$$
 $1053 \times 17.57 = 18501 \checkmark$
 $\checkmark 3668$

 Avg. Area = $18334 \checkmark$

$$\frac{18334}{3} \times 18.8 = \frac{114893}{115168} \text{ cu. yds.}$$

$$\frac{114893}{115168} = \frac{3706}{3715} \text{ cu. yds per day elapsed time}$$

$$\frac{114893}{115168} = \frac{4106}{4116} \text{ cu. yds. per day running time}$$

	18167	18501	18334
	<u>2</u>	<u>2</u>	<u>2</u>
163503 ✓	164301	165402	
	166509	165006	

Thawing Writeoff

Block N^o 35

Remainder

= 30448[✓] cu. yds.

$$\begin{array}{r} 36 \\ (19.4) \end{array} \quad \begin{array}{r} 8523 \\ 8333 \\ \hline 190 \end{array} \quad \begin{array}{r} 8713 \\ 8523 \\ \hline 190 \end{array}$$

$$190 \times 17.57 \times 19.4 = 21586 \text{ cu. yds.}$$

$$\text{Total} = 52034 \text{ - -}$$

Stripping Writeoff

X ⁴⁵ 63-64 [✓]	Remainder	=	7825 [✓]	cu. yds.
64-65 [✓]	✓	=	6582 [✓]	✓ ✓
65-66 [✓]	✓	=	6016 [✓]	✓ ✓
66-67 [✓]	✓	=	5308 [✓]	✓ ✓
67-68 [✓]	✓	=	5048 [✓]	✓ ✓
68-69 [✓] 1/3 [✓]	✓	=	2262 [✓]	✓ ✓
Total =			33041 [✓]	✓ ✓

Dredge No 11

Nov/48

Shut down Nov 19-10.00 AM

Dredge operated 18 days - 17 for Depth

✓ dug 346 hrs. 45 min. = 14.45 days = 80.27%

✓ lost 85 hrs. 15 min. = 3.55 ✓ = 19.73%

Avg. Hgt. Bank = 2.1

✓ Depth = 15.0

Total ✓ = 17.1

Surface $\begin{array}{r} 7601 \\ 2141 \\ \hline 460 \end{array}$ $\begin{array}{r} 8063 \\ 7601 \\ \hline 462 \end{array}$

461 X 17.57 = 8100 sq. yds.

Bedrock $\begin{array}{r} 8978 \\ 8507 \\ \hline 471 \end{array}$ $\begin{array}{r} 9450 \\ 8978 \\ \hline 472 \end{array}$

472 X 17.57 = 8293 sq. yds.

2 | 16393

Avg. Area = 8197 sq. yds.

8197 X $\frac{5.7}{17.1} = 46723$ cu. yds $\frac{46723}{18} = 2596$ cu. yds. per day elapsed time $\frac{46723}{14.45} = 3233$ cu. yds. per day running time

DREDGE SHUT DOWN Nov. 19-10 A.M.
For Lost Time Nov 19 - 8 A.M. - 18 Days Run

Pond Elev. = 1174.5

Claims Dredged = 59-60

Surface Area = 1.67 Acres

Avg. Width Cut = 130 Ft.

Length ✓ = 580 Ft.

8100	8293	8197
<u>9</u>	<u>9</u>	<u>9</u>
72900	74637	73773

Thawing Writeoff

$$\text{Block No } 36 = \frac{6894}{23} \frac{6917}{23} 23 \times \frac{17.57 \times 19.4}{3} = 2613 \checkmark \text{ cu. yds.}$$

$$\text{Total} = 2613 \checkmark \text{ cu. yds.}$$

Stripping Writeoff

$$x^{25} \text{ 68-69 } \frac{1}{2} \text{ Remainder} = 2262 \text{ cu. yds. } \checkmark$$

$$\text{Total} = 2262 \text{ cu. yds.}$$

Dredge No 11

April /49

Started to dig April 27 - 12 noon

Dredge operated 4 days

✓ dug 77 hrs 25 min = 3.23 days = 80.64%

✓ lost 18 - 35 - = 0.77 - = 19.36%

Avg. Hgt. Bank = 0.5 Ft.

✓ Depth = 10.0 -

Total ✓ = 18.5 -

Surface	$\frac{6894}{6871}$	$\frac{6917}{6894}$	$23 \times 17.57 = 404$	sq. yds.	✓
	23	23			

Bedrock	$\frac{5478}{5455}$	$\frac{5501}{5478}$	$23 \times 17.57 = \frac{404}{2 \mid 808}$	sq. yds.	✓
	23	23			

Avg Area = 404 sq. yds. ✓

$404 \times \frac{18.5}{3} = 2491$ ✓ cu. yds.

$\frac{2491}{4} = 623$ ✓ cu. yds per day elapsed time

$\frac{2491}{3.23} = 771$ ✓ cu. yds. per day running time

Pond Elev. = 1180.0

Claims Dredged = 60

Surface Area = .08 Acres

Avg Width Cut = 150 ft.

- Length - = 85

404	404	404
<u>9</u>	<u>9</u>	<u>9</u>
3636	3636	3636

Thawing Writeoff

Block 36 - Remainder

= 5570 Cu.Yds

Remainder

$$\begin{array}{r} 37 - 4161 \\ 20.3 \overline{) 3695} \\ \underline{466} \end{array}$$

$$\begin{array}{r} 466 \times 17.57 \times 20.3 \\ \underline{3} \end{array}$$

= 55284 -

$$\begin{array}{r} 38 - 4873 \\ 22.6 \overline{) 4627} \\ \underline{246} \end{array}$$

$$\begin{array}{r} 245 \times 17.57 \times 22.6 \\ \underline{3} \end{array}$$

= 32422 -

Total = 93276

Stripping Writeoff

X ² 68-69 - Remainder	=	2262 Cu.Yds.	
69-70 -	=	6544	✓
70-71	=	6684	✓
71-72 1/2	=	4033	-
72-73 1/2	=	11154	✓
73-74 1/2	=	14259	✓
74-75 1/5	=	6471	✓

Total = 51407 ✓

Dredge No 11

May 1949

Dredge operated 31 days

✓ dug 626 hrs & 0 min = 26.12 days = 84.25 %
 ✓ lost 117 - 10 - = 4.88 - = 15.71 %

Avg Hgt. Bank = 1.8 ft

✓ Depth = 16.5 -

✓ Total = 18.3 -

Surface $\frac{5268}{4458} \frac{6076}{5268} 809 \times 17.57 = 14214 \text{ Sq. Yds.}$

Bedrock $\frac{6892}{6119} \frac{7663}{6892} 772 \times 17.57 = \frac{13564}{27778}$

Avg. Area = 13889

$\frac{13889 \times 18.3}{3} = 84723 \text{ Cu. Yds.}$

$\frac{84723}{31} = 2733 \text{ Cu. Yds. per day elapsed time}$

$\frac{84723}{26.12} = 3244 \text{ running time}$

Pond Elev - 1171.9

Claims dredged - 60-61 Below Hunter.

Surface Area = 2.94 Acres.

Avg Width Cut = 30 ft

Length = 580

14214	13564	13889
<u>9</u>	<u>9</u>	<u>9</u>
127926	122076	125001

Thawing Writeoff

Block 28	$\begin{array}{r} 2320 \\ 2241 \\ \hline 79 \end{array}$	$\begin{array}{r} 2490 \\ 2410 \\ \hline 80 \end{array}$	$80 \times \frac{17.57 \times 22.6}{3} = 10545 \text{ Cu. Yds.}$	
29.6				
Block 39	$\begin{array}{r} 2411 \\ 2280 \\ \hline 131 \end{array}$	$\begin{array}{r} 2540 \\ 2411 \\ \hline 129 \end{array}$	$130 \times \frac{17.57 \times 29.7}{3} = 22612$	
29.7				
			Total =	33157

Stripping Writeoff

x 72-73	- 1/4 Remainder	-		= 2788 Cu. Yds.
73-74	- 1/3	✓		= 4740 ✓
74-75	- 1/20	✓		= 1294 ✓
			Total	= 8822 ✓

Pond Elex - 1178.0
 Claims dredged - 61 Below Hunter
 Surface Area - 3.32 Acres
 Avg width cut - 275'
 length - 520

Dredge N-11

June 1949

Dredge operated 30 days.

- dug 648 hrs 40 min = 27.03 days = 90.097.

- lost 71 - 20 - = 2.97 - = 9.917.

Avg Hgt Bank = 9.6 ft.

- Depth = 17.3 ✓

Total - = 26.9 ✓

Total Surface - $\frac{4595}{3679} \frac{5508}{4595} \frac{915}{913} \times 17.57 = 16076 \text{ Sq Yds.}$

Total Bedrock $\frac{6517}{5598} \frac{7435}{6517} \frac{918}{918} \times 17.57 = 16129$ -

$\sqrt{32201}$

Avg Area = 16102 ✓

$\frac{16102 \times 26.9}{3} = 144381 \text{ Cu. Yds.}$

$\frac{144381}{30} = 4813 \text{ Cu. Yds. per day elapsed time}$

$\frac{144381}{27.03} = 5342$ ✓ running -

Tailings Surface $\frac{8153}{7481} \frac{8825}{8153} \frac{672}{672} \times 17.57 = 11807 \text{ Sq. Yds.}$

Tailings BR $\frac{9500}{8819} \frac{10890}{9500} \frac{671}{671} \times 17.57 = 11877$ -

$\sqrt{23684}$

Avg Area = 11842 ✓

$\frac{11842 \times 26.9}{3} = 106183 \text{ Cu. Yds. Tailings}$

	Surface	Bedrock	Avg	Cu. Yds
Total	16076	16129	16102	144381
Tailings	11807	11877	11842	106183
Virgin	4269	4252	4260	38198

Total	Total	Total	Tails	Tails	Tails	Virgin	Virgin	Virgin
16076	16129	16102	11807	11877	11842	4269	4252	4260
<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>	<u>9</u>
144684	144761	144918	106263	106893	106578	38421	38268	38340

Thawing Writeoff

Block # 39

Remainder - $\frac{100 \times 125 (59 \text{ Ft.})}{27} \times 27.7 = 152015 \text{ cu. yds.}$

40 $\frac{5953}{5705}$ $\frac{6197}{5953}$
 $\checkmark (27.7)$ $\frac{248}{244}$

$\frac{248}{246} \times 17.57 \times 27.7 = 39909$

Total = 191924

Stripping Writeoff

X⁰³ $\checkmark$ 71-72 - Remainder = 4032 cu. yds.
 $\checkmark$ 72-73 - $\checkmark$ = 8365 - $\checkmark$
 $\checkmark$ 73-74 - $\checkmark$ = 9519 - $\checkmark$
 $\checkmark$ 74-75 - $\frac{2}{3}$ $\checkmark$ = 16394 $\checkmark$ $\checkmark$
 $\checkmark$ 75-76 - $\frac{1}{2}$ $\checkmark$ = 16745 - $\checkmark$
 $\checkmark$ 76-77 - $\frac{1}{2}$ $\checkmark$ = 15708 - $\checkmark$
 Total = 70723 $\checkmark$ $\checkmark$

Elliot's Ground - 1A Hester - Hill 60-61

Bedrock $\frac{2401}{1525}$ $\frac{3280}{2401}$ $\frac{4161}{3280}$ $\frac{5038}{4161}$
 $\frac{876}{879}$ $\frac{881}{877}$

$878 \times 17.57 = 15426 \text{ sq. yds.}$
 $\times \frac{9}{138834} \text{ sq. Ft.}$

Total Bedrock (cleanup to cleanup) July 30-49

$\frac{3832}{2728}$ $\frac{6055}{4953}$
 $\frac{1104}{1102}$

$1103 \times 17.57 = 19380 \text{ sq. yds.}$
 $\times \frac{9}{174420} \text{ sq. Ft.}$

Elliot's share = $\frac{138834}{174420} = 79.60\% \times 8\%$

Company's $\checkmark$ = $\frac{35586}{174420} = 20.40\%$

July 149

Dredge N° 11

Dredge operated 31 days

✓ dug 672 hrs. 10 min. = 28.0 days = 90.34 of ✓
 ✓ lost 71 1/2 50 ✓ = 3.0 ✓ = 9.62 of ✓

Avg. Hgt. Bank = 6.8 Ft.

✓ Depth = 20.4 ✓

Total ✓ = 27.2 ✓

Surface

$$\begin{array}{r} 2844 \\ 1673 \\ \hline 1171 \end{array}$$

$$\begin{array}{r} 4008 \\ 2844 \\ \hline 1164 \end{array}$$

1168 x 17.57 = 20522 sq yds.

Bedrock

$$\begin{array}{r} 5136 \\ 4008 \\ \hline 1128 \end{array}$$

$$\begin{array}{r} 6267 \\ 5136 \\ \hline 1131 \end{array}$$

1130 x 17.57 = 19854 ✓

✓ 40376

Avg. Area = 20188 ✓

$$\frac{20188 \times 27.2}{3} = 183038 \text{ Cu. Yds.}$$

$$\frac{183038}{31} = 5904 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{183038}{28} = 6537 \text{ running}$$

Pond. Elev. = 1172.2

Claims dredged: 61-62 Below Hunter-Hill L.L. 60-61

Surface Area = 4.24 Acres

(1A Hester

Avg Width Cut = 275 Ft.

✓ Length = 630 ✓

$\begin{array}{r} 20522 \\ 9 \\ \hline 184698 \end{array}$	$\begin{array}{r} 19854 \\ 9 \\ \hline 178686 \end{array}$	$\begin{array}{r} 20188 \\ 9 \\ \hline 181692 \end{array}$
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