

Dr. N^o 4



MADE IN



CANADA

No.
1740



SHEET SIZE
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2 COLUMNS to right, Single Page Form					
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8	"	"	"	"	"
10	"	"	"	Double	"
12	"	"	"	"	"
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150 PAGES

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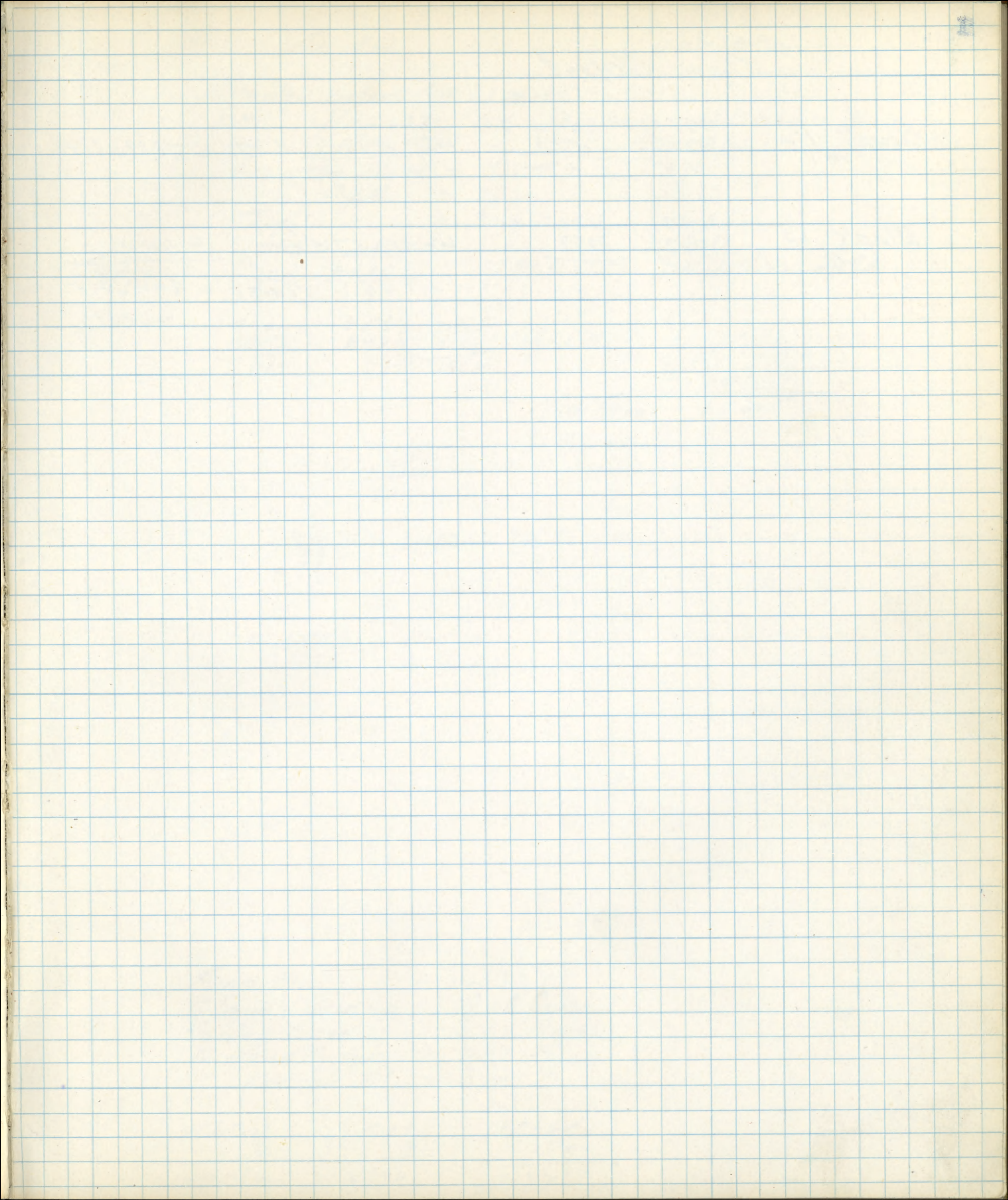
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THE CLARKE & STUART CO., LIMITED

Manufacturers of Loose Leaf Devices

COMMERCIAL STATIONERS AND PRINTERS VANCOUVER, B. C.

MADE IN CANADA



Thaw. Written?

Block 12
19.1

$$\begin{array}{r} 2753 \\ 2288 \\ \hline 465 \end{array}$$

$$\begin{array}{r} 3215 \\ 2753 \\ \hline 462 \end{array}$$

$$464 \times 17.57 \times \overset{9.7}{29.1} = 78880 \text{ Cx} \checkmark$$

Block 13
19.1

$$\begin{array}{r} 3087 \\ 3027 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 3150 \\ 3087 \\ \hline 63 \end{array}$$

$$62 \times 17.57 \times \overset{9.7}{29.1} = 10540 \checkmark$$

Total = 89420 ✓

Dr. #4

July 1950

8

Dredge operated 31 days

Dug 671 hrs 30 min - 27.98 days = 90.26 ft

1st 72 - 30 - = 3.02 - = 9.74 ft

Avg. Net Depth = 9.8 ft

Depth = 23.2 ft

Total = 33.0 ft

Surface

$$\begin{array}{r} 6042 \\ 5200 \\ \hline 888 \end{array}$$

$$\begin{array}{r} 6982 \\ 6092 \\ \hline 890 \end{array}$$

889 x 17.57 = 15620 Sq. Yds.

Bedrock

$$\begin{array}{r} 7863 \\ 6953 \\ \hline 910 \end{array}$$

$$\begin{array}{r} 1567 \quad 2431 \\ 0710 \quad 0567 \\ \hline 857 \quad 864 \end{array}$$

860 x 17.57 = 15110

$$\begin{array}{r} 30730 \\ \hline 15365 \end{array}$$

Avg. Area

$$\begin{array}{r} 15365 \times 11.0 \\ \hline 31 \end{array} = 169015 \text{ Cu. Yds}$$

$$\frac{169015}{31} = 5452 \text{ Cu. Yds per day elapsed time}$$

$$\frac{169015}{27.98} = 6040 \text{ running}$$

Pond Elev - 1243.7
 Claims dredged - 8 & R Conc
 Surface Area - 3.22 Acres.
 Avg Width cut - 450 ft
 Length - 320 ft

$$\begin{array}{r} 15620 \\ 9 \\ \hline 140580 \end{array}$$

$$\begin{array}{r} 15110 \\ 9 \\ \hline 135990 \end{array}$$

$$\begin{array}{r} 15365 \\ 9 \\ \hline 138285 \end{array}$$

Thawing write off

Block #12
29.1

Remainder

$$= 41600 \text{ cu. yds}$$

Block # 13
29.1

$$\begin{array}{r} 5215 \\ 4252 \\ \hline 963 \end{array}$$
$$\begin{array}{r} 6175 \\ 5215 \\ \hline 960 \end{array}$$

$$962 \times \frac{17.57}{31} \times 29.1 = \frac{163949}{205549} \checkmark \checkmark$$

31 Total

Yardage Pledged - Season 1913 - C.W.D.S.

Month	Dr. #1	Dr. #6	Dr. #8	Dr. #9	Dr. #10	Dr. #11	Total
Mar.				4593	2806	5484	12883
May	94827	29714	30343	61600	58409	69552	344445
June	170023	124942	98855	69554	88999	76327	628700
July	270171	145882	110884	90993	105484	81820	805234
Aug.	264237	148564	107606	130485	136300	84446	871638
Sept.	242774	132590	107038	99032	151352	109239	842025
Oct.	203102	102309	102769	108748	126458	83724	727110
Nov	33565	16068	7667	16218	18314	16690	108522
Totals.	1278699	700069	565162	581223	688122	527282	4340557

Dredge No 4

August 1950

Dredge operated 31 days

✓ dug 682 hrs. 00 min = 28.42 days = 91.67%

✓ lost 62 hrs. 00 min = 2.58 ✓ = 8.33%

Avg Hgt Bank = 13.1 ✓

✓ Depth = 17.9 ✓

Total ✓ = 31.0 ✓

Surface - $\frac{9545}{863} \frac{10405}{860} 866 \times 17.57 = 15215$ Sq yds.

Bedrock - $\frac{1266}{841} \frac{2113}{847} 844 \times 17.57 = 14829$ ✓ ✓

$\frac{2}{30044}$
Avg. area 15022 ✓ ✓ ✓

$15022 \times \frac{31.0}{3} = 155227$ cu yds

$\frac{155227}{31} = 5007$ cu. yds per day elapsed time

$\frac{155227}{28.42} = 5462$ ✓ ✓ ✓ ✓ running ✓

POND ELEV. - 1244.7

Claims Dredged - B & R Conc

Surface Area - 3.14 ACRES

Avg Width Cut - 210 ft.

✓ Length ✓ - 610 ✓

$\frac{15215}{9}$
136935

$\frac{14829}{9}$
133461

$\frac{15022}{9}$
135198

Thawing Write off

Block #13 _{29.1} Remainder = 32348 cu.yds.

Block #14 _{33.0} $\frac{7837}{75}$ $\frac{7912}{75}$ = $75 \times \frac{17.57}{31} \times \frac{11}{32.0}$ = $\frac{14495}{Total - 46843}$ ✓ ✓

Dradga No 4

Sept. 1950

Dradga Operated 30 days

✓ dug 649 hrs 05 mins. = 27.1 days = 90.15% ✓

✓ lost 70 ✓ 55 ✓ = 2.9 ✓ = 9.85% ✓

Avg Hgt Bank = 14.3 ft.

✓ Depth = 18.3 ✓

Total ✓ = 32.6 ✓ ✓

$$\text{Surface} \quad \frac{5054}{4188} \quad \frac{5921}{5054} = 867 \times 17.57 = 15233 \text{ Sq Yds.}$$

$$\text{Bedrock} \quad \frac{6740}{5902} \quad \frac{7578}{6740} = 838 \times 17.57 = \frac{14723}{2)29956} \quad \checkmark \checkmark$$

Avg. area 14978 ✓ ✓

$$14978 \times \frac{32.6}{3} = 162761 \text{ cu yds.} \checkmark$$

$$\frac{162761}{30} = 5425 \checkmark \text{ cu yds. per day elapsed time}$$

$$\frac{162761}{27.1} = 6006 \checkmark \checkmark \checkmark \checkmark \text{ running } \checkmark$$

POND ELEV. - 1247.4

Claims Dradged — B & R. Conc

Surface area — 3.14 Acres

Avg width cut — 340 ft.

✓ Length ✓ — 400 ✓ ✓

$$\begin{array}{r} 15233 \\ 9 \\ \hline 137097 \end{array}$$

$$\begin{array}{r} 14723 \\ 9 \\ \hline 132507 \end{array}$$

$$\begin{array}{r} 14978 \\ 9 \\ \hline 134802 \end{array}$$

Thawing Writeoff

Block 14 - Remainder

$$\begin{array}{rcl}
 & & = 21255 \text{ Cu.Yds.} \\
 & & - 10540 \\
 & & \hline
 & & = 10715 \text{ } \checkmark \checkmark \\
 \checkmark \quad 15 - \frac{3527}{3364} \quad \frac{3691}{3527} \quad 165 \times 17.57 \times \frac{11.5}{24.5} & & = 33330 \text{ } \checkmark \checkmark \\
 (34.5) \quad \frac{163}{168} & & \hline
 \end{array}$$

$$\text{Total} = 44045 \text{ } \checkmark \checkmark$$

Note - Writeoff for Sept in Block #13 should have been 21808 Cu.Yds instead of 32348 Cu.Yds a difference of 10540 Cu.Yds. This has been taken care of in this month's Writeoff in Block #14

October 1950

Surface $\begin{array}{r} 5837 \\ 5188 \\ \hline 649 \end{array}$ ✓ $\begin{array}{r} 7140 \\ 6491 \\ \hline 649 \end{array}$ ✓ $649 \times 17.57 = 11403$ ✓ 59 yds

Bedrock 7749 8976 $610 \times 17.57 = 10717$
 7141 8365
 608 611 2 / 22120

Avg Area = 11060 ✓ ✓

$$\frac{11060 \times 33.2}{3} = 122397 \text{ Cu.Yds.}$$
$$\frac{122397}{31} = 3948 \text{ Cu.Yds. per day elapsed time}$$

$\frac{172397}{27.06} = 6369.1$ ✓ ✓ ✓ running ✓

Pond Elev	-	1252.0	✓
Clams dredged.	-	B&R Conc.	
Surface Area	-	2.35 Acres.	✓
Avg Width Cut	-	270 Ft.	✓
Length	-	375	✓

$$\begin{array}{r} 11403 \\ \underline{9} \\ 102627 \end{array} \quad \begin{array}{r} 10717 \\ \underline{9} \\ 96453 \end{array} \quad \begin{array}{r} 11060 \\ \underline{9} \\ 99540 \end{array}$$

Thaw Writoff

$$\begin{array}{r}
 \text{Block 15} \\
 34.5
 \end{array}
 - \frac{\frac{1020}{0985}}{35} \frac{\frac{1052}{1020}}{32} \cdot \frac{11}{33 \times 17.57 \times 34.5} \frac{3}{3} = 6666 \text{ Cyls.}$$

Dredge No. 4

November 1950
Shut down Nov. 4 - 9:30 AM.

Dredge operated 3 days

✓ dug 59 hrs. 10 min = 2.47 days = 82.18 %
✓ lost 12 ✓ 50 ✓ = 0.53 ✓ = 17.82 %

Avg. Hgt. Bank = 18.0 ft.

✓ Depth = 17.7 ✓

Total = 35.7 ✓

Surfaces - $\begin{array}{r} 0927 \\ 0630 \\ \hline 97 \end{array}$ $\begin{array}{r} 0823 \\ 0727 \\ \hline 96 \end{array}$ $96 \times 17.57 = 1686 \text{ Sq Yds.}$

Bedrock - $\begin{array}{r} 0912 \\ 0822 \\ \hline 90 \end{array}$ $\begin{array}{r} 1006 \\ 0912 \\ \hline 94 \end{array}$ $92 \times 17.57 = 1616$ ✓

Avg. Area = $\frac{1616 + 1686}{2} = 1651$ ✓

$1651 \times \frac{11.9}{3} = 19646 \text{ Cu. Yds.}$

$\frac{19646}{3} = 6548 \text{ Cu. Yds. per day elapsed time}$

$\frac{19646}{2.47} = 7954$ ✓ running ✓

Pond Elev _____
Claims dredged - B & R. Corp.
Surface area = 0.35 Acres
Avg Width Cut = 185 Ft.
✓ Length = 65 ✓

$\begin{array}{r} 1686 \\ 9 \\ \hline 15174 \end{array}$ $\begin{array}{r} 1616 \\ 9 \\ \hline 14544 \end{array}$ $\begin{array}{r} 1651 \\ 9 \\ \hline 14859 \end{array}$

12
Thaw Writeoff

Block 15- Remainder

= 7085 Cu.Yds.

17.67

Dredge No 4

May 1951
Started digging May 13 - 10:30 AM

Dredge operated 19 days

dug 412 hrs 15 min = 17.18 days = 90.44 %

lost 43 - 35 - 1.82 - = 9.56 %

Avg. Hgt. Bank = 5.0 ft.

Depth = 22.5'

Total = 27.5'

Surface

$$\begin{array}{r} 1793 \\ 1279 \\ \hline 514 \end{array}$$

$$\begin{array}{r} 2807 \\ 2297 \\ \hline 510 \end{array}$$

512 x 17.67 = 9047 Sq. Yds.

Bedrock

$$\begin{array}{r} 3281 \\ 2820 \\ \hline 461 \end{array}$$

$$\begin{array}{r} 3720 \\ 3307 \\ \hline 413 \end{array}$$

$$\begin{array}{r} 6997 \\ 6533 \\ \hline 464 \end{array}$$

463 x 17.67

$$\begin{array}{r} = 8181 \\ 17228 \end{array}$$

Avg. Area = 8614

$$\frac{8614 \times 27.5}{3} = 78962 \text{ Cu. Yds.}$$

$$\frac{78962}{19} = 4156 \text{ Cu. Yds per day elapsed time}$$

$$\frac{78962}{17.18} = 4596$$

- running -

Pond Elev - 1263.6
Claims dredged - B+R Conc.
Surface Area - 1.87 Acres.
Avg Width Cut - 400 Ft
Length - 235'

$$\begin{array}{r} 9047 \\ 9 \\ \hline 81423 \end{array}$$

$$\begin{array}{r} 8181 \\ 9 \\ \hline 73629 \end{array}$$

$$\begin{array}{r} 8614 \\ 9 \\ \hline 77526 \end{array}$$

Thawing Writeoff

$$\text{Block \#16} - \begin{array}{r} 5449 \\ 5241 \\ \hline 208 \end{array} \begin{array}{r} 5657 \\ 5449 \\ \hline 208 \end{array} \begin{array}{r} 208 \times 12.67 \times 29.3 \\ \hline 35901 \end{array} \text{ Cu Yds}$$

Dredge #4

June 1951

Dredge operated 30 days

✓ Dug 66 hrs 35 min = 27.77 days = 92.58 %

✓ lost 53 - 25 - = 2.23 - = 7.42 %

Avg Hgt of Bank = 6.4 ft.

✓ Depth = 23.3 ✓

Total ✓ = 29.7 ✓

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 3000 \\ 2082 \\ \hline 918 \end{array} \end{array}$$

$$918 \times 17.27$$

$$= 16221 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \begin{array}{r} 4837 \\ 3951 \\ \hline 884 \end{array} \end{array}$$

$$884 \times 17.67$$

$$= 15637$$

$$\times 31858$$

$$\text{Avg Area} = 15929$$

$$15929 \times \frac{29.7}{3} = 157697 \text{ Cu. Yds.}$$

$$\frac{157697}{30} = 5257 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{157697}{27.77} = 5679 \text{ - running -}$$

Claims dredged - B & R Conc
 Surface Area - 3.35 Acres
 Pond Elev. - 1262.8
 Avg Width Cut - 385 ft.
 Length - 350 ✓

$$\begin{array}{r} 16221 \\ 9 \\ \hline 145989 \end{array} \quad \begin{array}{r} 15637 \\ 9 \\ \hline 140733 \end{array} \quad \begin{array}{r} 15929 \\ 9 \\ \hline 143361 \end{array}$$

Thawing Write-off

Block #16 Remainder

= 838.77 Cu.Yds. /

Dredge No 4

July 1951

Dredge operated 31 days

- Dig 684 hrs 45 min = 28.53 days = 92.04%

- lost 59 - 15 - = 2.47 - = 7.96%

Avg Wet Bank = 13.3 ft.

- Depth = 19.6 -

Total = 32.9 -

Surface $\begin{array}{r} 6261 \\ \sqrt{5686} \\ \hline 5751 \end{array}$ $\begin{array}{r} 6841 \\ 6261 \\ \hline 5801 \end{array}$ $\sqrt{578} \times 17.67 = 10213.59 \text{ Yds}$

Bedrock $\begin{array}{r} 7400 \\ 6843 \\ \hline 557 \end{array}$ $\begin{array}{r} 7954 \\ 7400 \\ \hline 554 \end{array}$ $\sqrt{556} \times 17.67 = 9825$
 $\sqrt{20038} = 10019.59 \text{ Yds}$
 Avg Area

$\frac{10019 \times 32.9}{3} = 109875 \text{ Cu. Yds.}$

$\frac{109875}{31} = 3544 \text{ Cu. Yds. per day elapsed time}$

$\frac{109875}{28.53} = 3851$ - running -

Claims dredged - B & R Conc.
 Surface Area - 2.11 Acres
 Pond Elev - 1265.8
 Avg width cut - 440 ft.
 Length - 230 -

$\begin{array}{r} 10213 \\ 9 \\ \hline 91917 \end{array}$ $\begin{array}{r} 9825 \\ 9 \\ \hline 88425 \end{array}$ $\begin{array}{r} 10019 \\ 9 \\ \hline 90171 \end{array}$

Thawing WritsoffBlock [#]16 - Remainder

= 0

- [#]17
34.5
$$\begin{array}{r} 4891 \\ 4743 \\ \hline 148 \end{array}$$

$$\begin{array}{r} 5039 \\ 4891 \\ \hline 148 \end{array}$$

$$148 \times \frac{5.89}{3} \times 34.5$$

= 30044 Cu. Yds.

Dredge No. 4

August 1951

Dredge operated 31 days

Dug 674 hrs. 40 min. = 28.11 days = 90.68 T.

Lost 69 - 20 = 2.89 = 9.32 T.

Avg. Hgt. Bank = 14.8 Ft.

Depth = 19.5

Total = 34.3

$$\text{Surface} - \frac{1916}{1368} \frac{2160}{1916} = 546 \times 17.67 = 9648 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{2951}{2420} \frac{3476}{2951} \frac{4008}{3476} = 534 \times 17.67 = 9436$$

$$2 \overline{19084} = 9542$$

$$\text{Avg. Area} = 9542$$

$$9542 \times \frac{34.3}{3} = 109097 \text{ Cu. Yds.}$$

$$\frac{109097}{31} = 3519 \text{ Cu. Yds. per day elapsed Time}$$

$$\frac{109097}{28.11} = 3881 \text{ running}$$

Pond Elev - 1263.4
 Claims dredged - B & R. Conc.
 Surface Area - 2.00 Acres
 Avg width cut - 360 Ft
 Length - 245

$$\frac{9648}{9} = 86832$$

$$\frac{9436}{9} = 84924$$

$$\frac{9542}{9} = 85878$$

Thawing Whitecuff

Block #17 -

3070	3188	
<u>2906</u>	<u>3423</u>	
164 ✓	165 ✓	

$165 \times 1767 \times \frac{11.5}{3} = 33495 \text{ Cords}$

Dredge No 4

Sept. 1951

21

Dredge operated 30 days

✓ dug 6hr hrs 20 min = 27.7 days = 92.41 %

✓ lost 54 - 40 = 278 = 7.59 %

Avg Wet Bank = 23.7 Ft.

✓ Depth = 19.0

Total = 42.7

Surface

1589
1340
✓
249

1833
1589
✓
244

247 x 17.67

= 4364 Sq. Yds.

Bedrock

2295
2015
✓
280

2230
2015
✓
215

240 x 17.67

= 4240

18604

Avg

4302

1434

4302 x 42.7
3

= 61232 Cu. Yds

61232
30

= 2041 Cu. Yds. per day elapsed time

61232
2777

= 2209

running

Pond Elev

- 1266.5

Claims dredged

- BTR Conc.

Surface Area

- 0.90 Acres

Avg Width cut

- 315

Length

- 135

4364
9

4240
9

4302
9

39276

38160

38718

Thaw Writeoff

Block # 17 -
34.5

3300	3373
3227	3300
73	73

$$73 \times 17.67 \times \frac{11.5}{2} = 14819 \text{ Cu Yds}$$

Dredge No 4

October 1951
Shut down Oct 14 - 6:20 pm.

Dredge operated 14 days

dug 295 hrs. 05 min = 12.30 days = 878.2

lost 40 - 15 - = 1.70 - = 12.182

Avg Hgt Bank = 14.3

Depth = 17.3

Total = 31.6

Surface

$$\begin{array}{r} 2655 \\ 2462 \\ \hline 193 \end{array}$$

$$\begin{array}{r} 2850 \\ 2655 \\ \hline 195 \end{array}$$

$$194 \times 17.67$$

$$= 3428 \text{ Sq Yds.}$$

Bedrock

$$\begin{array}{r} 3030 \\ 2840 \\ \hline 190 \end{array}$$

$$\begin{array}{r} 3222 \\ 3030 \\ \hline 192 \end{array}$$

$$191 \times 17.67$$

$$= 3374$$

$$\begin{array}{r} 3428 \\ - 3374 \\ \hline 54 \end{array}$$

$$\text{Avg Area} = 3401$$

$$\frac{3401 \times 31.6}{3} = 35824 \text{ Cu Yds.}$$

$$\frac{35824}{14} = 2559 \text{ Cu Yds. per day elapsed Time}$$

$$\frac{35824}{12.30} = 2913$$

- running -

Pond Elev 1268.0

Claims dredged - B & R Conc.

Surface Area - 0.71 Acres

Avg. width cut - 2.5 ft.

Length - 150 -

$$\begin{array}{r} 3428 \\ 9 \\ \hline 30852 \end{array}$$

$$\begin{array}{r} 3374 \\ 9 \\ \hline 30366 \end{array}$$

$$\begin{array}{r} 3401 \\ 9 \\ \hline 30609 \end{array}$$

Tharving Whiteall

Block 17 - Remainder = 17012 Cu. Yds.

DREDGE No 4

MAY '52
Started May 7 - 10:15 AM.

DREDGE Operated 25 days

✓ dug 556 hours 15 mins. = 23.18 days = 92.70%

✓ Lost 43 ✓ 45 ✓ = 1.82 ✓ = 7.30%

Avg. ht. Bank = 6.6 ft.

✓ Depth = 21.7 ✓

Total ✓ = 28.3 ✓

Surface

$$\begin{array}{r} 5553 \\ 5123 \\ \hline 430 \end{array}$$

$$\begin{array}{r} 5984 \\ 5553 \\ \hline 431 \end{array}$$

$$430 \times 17.67$$

$$= 759810 \text{ yds}^2$$

Bedrock

$$\begin{array}{r} 6421 \\ 6034 \\ \hline 387 \end{array}$$

$$\begin{array}{r} 6806 \\ 6421 \\ \hline 385 \end{array}$$

$$386 \times 17.67$$

$$= 682062$$

$$2 \overline{) 11441872}$$

$$\text{Avg. Area} = 720936$$

$$\frac{7209 \times 28.3}{3} = 68,005 \text{ yds}^3$$

$$\frac{68,005}{25} = 2,720 \text{ yds}^3 \text{ per day elapsed time.}$$

$$\frac{68,005}{23.18} = 2,934 \text{ } \checkmark \text{ } \checkmark \text{ } \checkmark \text{ } \text{running } \checkmark$$

Pond Elev

- 1274.1

Claims dredged

- St R. Conc.

Surface Area

- 1.57 Acres

Avg width cut

- 250'

Length

- 260'

7598

6820

7209

9

9

9

68382

61380

64881

Thawing Write off

$$\text{Block \#18} - 126973 \times \frac{2}{3} = 84648 \text{ Cu. Yds.} -$$

Dredge No 4

June 1952

Dredge operated 30 days

dug 645 hrs. 30 min = 26.90 days = 89.65 %

lost 74 - 30 = 3.10 = 10.35 %

Avg. Hgt Bank = 6.7 ft.

Depth = 21.5'

Total = 37.2'

$$\begin{array}{r} \text{Surface} \quad 9459 \quad 0333 \\ \quad \quad 8583 \quad 9459 \\ \hline \quad \quad 876 \quad 874 \end{array} \quad 875 \times 17.67 = 15461 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \quad 1170 \quad 2004 \\ \quad \quad 0334 \quad 1170 \\ \hline \quad \quad 836 \quad 834 \end{array} \quad 835 \times 17.67 = 14755$$

$$\begin{array}{r} 14755 \\ + 30216 \\ \hline 44971 \end{array}$$

$$\text{Avg. Area} = 15108$$

$$5036 \quad 15108 \times 37.2 = 162159 \text{ Cu. Yds.}$$

$$\frac{162159}{30} = 5405 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{162159}{26.90} = 6028 \text{ running}$$

Pond Elev - 1272.0

Claims dredged - B.R. Carr.

Surface Area - 3.19 Acres

Avg. Width Cut - 300 ft

Length - 600

$$\begin{array}{r} 15461 \quad 14755 \quad 15108 \\ \quad \quad 9 \quad \quad 9 \quad \quad 9 \\ \hline 139149 \quad 132795 \quad 135972 \end{array}$$

Thaw Write off

Block 18. Remainder

= 42325 Cu. Yds.

✓ 19. ✓

= 102544 ✓

Total = 144869 ✓

Dredge No. 1

July 1952

Dredge operated 31 days

$$\checkmark \text{ dig. } 685 \text{ hrs. } 25 \text{ min} = 28.56 \text{ days} = 92.13 \%$$
$$-1058.58 - 35 = -7.44 = -7.872$$

Avg Hgt. Band = 8.7 Ft.

✓ Depth = 22.6

Total = 31.3

Surface $\begin{array}{r} 1433 \\ 0373 \\ \hline 1060 \end{array}$ $\begin{array}{r} 2501 \\ 1433 \\ \hline 1068 \end{array}$ $1064 \times 17.67 = 18800.59 \text{ Yds.}$

Bedrock 3498 4487 993 x 17.67 = 17546 ✓
 2501 3498
 997 989 2 136346

Avg. Area = 18173

$$\frac{18173 \times 31.3}{3} = 189605 \text{ Cu.Yds.}$$
$$\frac{18960.5}{31} = 6116 \text{ Cu. Yds. per day elapsed Time}$$

189605 = 6639 - - running -

Pond Elev = 1280.7

Claims dredged. B+R Conc - 52 Bel/Bon

Surface Area 3.88 Acres

Avg Width = 225 Ft.

r' Length = 775 ✓

18800	17546	18173
9	9	9
169200	157914	163557

Thaw Writeoff

Block 20 - $\frac{1}{2}$ Remainder

= 46189 Cu.Yds.

Thaw Writeoff

Block 20 - Remainder

= 46189 Cu.Yds

/ 21 -

= 87812 ✓

Total = 134001 ✓

Dredge No. 1

Sept 1952

Dredge operated 30 days

dug 663 hrs. 10 min = 27.63 days = 92.11 ft.
 lost 1-6 1-50 = 2.37 = 7.89 ft.
 Avg. Wet Bank = 3.8 ft.
 Depth = 25.0 ft.
 Total = 28.8 ft.

$$\text{Surface} - \frac{1690}{0560} \quad \frac{2820}{1690} \quad 1130 \times 17.67 = 19967 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{3840}{2789} \quad \frac{4902}{3840} \quad 1056 \times 17.67 = 18659$$

$$\frac{1056}{1062} \quad \frac{3840}{1062} \quad \frac{18659}{38626}$$

$$\text{Avg. Area} = 19313$$

$$19313 \times \frac{9.6}{28.8} = 18540.5 \text{ Cu. Yds.}$$

$$\frac{18540.5}{30} = 6180 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{18540.5}{2763} = 6710 \quad \text{running}$$

Pond Elev - 1301.4
 Claims dredged - 50-51 Below Bon.
 Surface Area - 4.13 Acres
 Avg Width - 320 ft.
 Length - 550 ft.

$$\begin{array}{r} 19967 \\ 9 \\ \hline 179703 \end{array} \quad \begin{array}{r} 18659 \\ 9 \\ \hline 167931 \end{array} \quad \begin{array}{r} 19313 \\ 9 \\ \hline 173817 \end{array}$$

Thawing Writeoff

Block # 22 - 1711

= 31858 Cu. Yds.

Dr. #4 - October 1952

Dredge operated 31 days

✓ Dug 678 hrs 10 min = 28.26 days = 91.15' 70.
 ✓ Lost 65' - 50' = 2.74' = 8.85' 70.

Avg Hgt Bank = 2.0 ft.

Depth = 27.8'

Total = 29.8'

$$\text{Surface} - \begin{array}{r} 5267 \\ 4360 \\ \hline 907 \end{array} \quad \begin{array}{r} 6172 \\ 5267 \\ \hline 905 \end{array} \quad 906 \times 17.67 = 16009 \text{ Sq Yds.}$$

$$\text{Bedrock} - \begin{array}{r} 7010 \\ 6163 \\ \hline 847 \end{array} \quad \begin{array}{r} 7862 \\ 7010 \\ \hline 852 \end{array} \quad 850 \times 17.67 = 15020 \quad \checkmark$$

$$\checkmark \quad \underline{31029}$$

$$\text{Avg. Area} = 15515 \quad \checkmark$$

$$15515 \times \frac{29.8}{3} = 154116 \text{ Cu. Yds}$$

$$\frac{154116}{31} = 4971 \text{ Cu. Yds per day elapsed time}$$

$$\frac{154116}{28.26} = 5454 \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev - 1303.5

Claims dredged 49.50 Below Bon.

Surface Area - 3.31 Acres.

Avg Width - 320 Ft

Length - 450'

$$\begin{array}{r} 16009 \\ 9 \\ \hline 144081 \end{array} \quad \begin{array}{r} 15020 \\ 9 \\ \hline 135180 \end{array} \quad \begin{array}{r} 15515 \\ 9 \\ \hline 139635 \end{array}$$

Thawing Write off

Block #23
31.0

$$\begin{array}{r} 0713 \\ 0610 \\ \hline 103 \end{array}$$

$$\begin{array}{r} 0810 \\ 0713 \\ \hline 97 \end{array}$$

100

$$\begin{array}{r} 0891 \\ 0655 \\ \hline 236 \end{array}$$

$$\begin{array}{r} 1135 \\ 0891 \\ \hline 244 \end{array}$$

240

5.89

$$340 \times 17.67 \times \frac{31.0}{3}$$

= 62093 Cu. Yds.

Dredge No 4

November 1952
Shut down Dec 1 - 8:00 AM.

Dredge operated 30 days

Dug 66.8 hrs or min = 27.84 days = 92.79%

Lost 51 - 55 - = 2.16 - = 7.21%

Avg Hgt Bank = 4.3 Ft.

Depth = 27.2 - BR = 4.0 Ft

Total = 31.5 -

$$\text{Surface} - \frac{1936}{1147} \frac{2733}{1936} \quad 793 \times 17.67 \quad = 14012 \quad 59.10\%$$

$$\frac{789}{797}$$

$$\text{Bedrock} - \frac{3480}{2740} \frac{4122}{3480} \quad 741 \times 17.67 \quad = 13094$$

$$\frac{740}{742} \quad \frac{27106}{27106}$$

$$\text{Avg. Area} = 13553$$

$$13553 \times \frac{10.5}{3} = 142307 \text{ CuYds.}$$

$$\frac{142307}{30} = 4744 \text{ CuYds per day elapsed time}$$

$$\frac{142307}{27.84} = 5112 \quad \checkmark \quad \text{running time}$$

Pond Elev - 1304.2
Claims dredged - 48 Below
Surface area - 2.90 Acres.
Avg width - 480 ft.
Length - 260

$$\frac{14012}{9} \quad \frac{13094}{9} \quad \frac{13553}{9}$$

$$156108 \quad 117846 \quad 121977$$

Thawing W/O

Block 23 - 75% Remainder

= 27373 Cu. Yds.

Dredge #1

May 1953
Started May 6 - 3:00 p.m.

Dredge operated 26 days (25 for depth)

dug 527 hrs. 31 min = 21.77 days = 83.25%

lost 101 " 25 " = 4.23 " = 16.25%

Avg Hgt Bank = 2.1 Ft

Depth = 29.1 "

Total = 31.2 "

$$\begin{array}{r} \text{Surface} \quad \begin{array}{r} 9800 \\ 9270 \\ \hline 530 \end{array} \quad \begin{array}{r} 0324 \\ 9800 \\ \hline 524 \end{array} \quad 527 \times 17.67 = 9312 \text{ Sq. Yds.} \end{array}$$

$$\begin{array}{r} \text{Bedrock} \quad \begin{array}{r} 0814 \\ 0310 \\ \hline 504 \end{array} \quad \begin{array}{r} 1319 \\ 0814 \\ \hline 505 \end{array} \quad 505 \times 17.67 = 8923 \text{ "} \\ \hline 18235 \end{array}$$

$$\text{Avg. Area} = 9118 \text{ "}$$

$$9118 \times \frac{10.4}{31.2} = 94827 \text{ Cu. Yds.}$$

$$\frac{94827}{26} = 3647 \text{ Cu. Yds per day elapsed time}$$

$$\frac{94827}{21.77} = 4356 \text{ " - running -}$$

Pond Elev - 1305.5
Claims dredged - 48 Below Bar.
Surface Area = 1.92 Acres
Avg Width cut = 200 ft
Length = 470 "

$$\begin{array}{r} 9312 \\ 9 \\ \hline 83808 \end{array} \quad \begin{array}{r} 8923 \\ 9 \\ \hline 80307 \end{array} \quad \begin{array}{r} 9118 \\ 9 \\ \hline 82062 \end{array}$$

Thawing Writeoff

Block 23 - Remainder

= 9124 Cuyds.

✓ 24 - 75% ✓

= 81528 -

Total = 90652 -

Dredge #1-D

June 1953

Dredge operated 30 days - 26 days for depth.

 $\checkmark$ dug 570 hrs. 45 min = 23.78 days = 79.27 %
 $\checkmark$ lost 149 " 15 " = 2.22 " = 20.73 %

Avg Hgt Bank: 8.5 Ft.

Depth = 25.6 "

Total = 34.1 "

Surface

$$\begin{array}{r} 7105 \\ 6232 \\ \hline 873 \end{array} \quad \begin{array}{r} 7979 \\ 7105 \\ \hline 874 \end{array}$$

$$874 \times 17.67 = 15444 \text{ Sq. Yds.}$$

Bedrock

$$\begin{array}{r} 8767 \\ 7950 \\ \hline 817 \end{array} \quad \begin{array}{r} 9587 \\ 8767 \\ \hline 820 \end{array}$$

$$819 \times 17.67 = 14472$$

$$\begin{array}{r} 14472 \\ \hline 29916 \end{array}$$

$$\text{Avg Area} = 14958$$

$$\begin{array}{r} 4986 \\ 14958 \times 34.1 \\ \hline 3 \end{array} = 170023 \text{ Cu. Yds.}$$

$$\frac{170023}{30} = 5667 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{170023}{23.78} = 7150 \quad \text{running}$$

Pond Elev - 1301.2

Claims dredged - 47.48 Bon

Surface area - 3.19 Acres

Avg width cut - 340 Ft.

Length - 410 "

$$\begin{array}{r} 15444 \\ 9 \\ \hline 138996 \end{array} \quad \begin{array}{r} 14472 \\ 9 \\ \hline 130248 \end{array} \quad \begin{array}{r} 14958 \\ 9 \\ \hline 134622 \end{array}$$

Thawing Writco,

Block 24 - Remainder

= 18465 Cu. Yds.

✓ 24 - ✓

= 27176 ✓

Total ~ 45641 ✓

Dredge No. 1

July 1953

Dredge operated 31 days

dug 686 hrs. 0 min. = 28.58 days = 92.20 %

lost 58 " 0 " = 2.42 " = 7.80 %

Avg Hat Bank = 9.1 ft.

Depth = 23.9

Total = 33.0

(2.8)

Surface	5627	7032	8455	
	4209	5627	7032	1420 x 17.67 = 25091 Sq Yds
	1418	1405	1423	

Bedrock	9779	11127	2490	
	8421	9779	1127	1360 x 17.67 = 24031 Sq Yds
	1358	1346	1363	

249122

Avg Area = 24561

$$24561 \times \frac{33}{3} = 270171 \text{ Cu. Yds.}$$

$$\frac{270171}{31} = 8715 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{270171}{28.58} = 9453 \text{ running}$$

Pond Elev. 1308.7
 Claims Dredged - 46-47 Bon.
 Surface Area - 5.18 Acres.
 Avg. Width C.T. 450 Ft
 Avg Length C.T. 475'

25091	24031	24561
9	9	9
225819	216279	221049

No Wroteff

Dr H H

August 1913

Dredge operated 31 days

Aug 184 hrs 35 min = 28.5 days = 92.01 %

lost 59 - 248 = 7.99 %

Avg Hat Bank = 10.6 ft.

Depth = 23.4 -

(3.4)

Total = 34.0 -

Surface	0450	1800			
	9104	0450			
	1346	1350			

$$1348 \times 17.67 = 23819 \text{ Sq. Yds.}$$

Bedrock	3055	4344			
	1762	3055			
	1293	1289			

$$1291 \times 17.67 = 22811$$

$$\underline{22811}$$

$$22811$$

$$\text{Avg Area} = 23315$$

$$\frac{23315 \times 34.0}{3} = 264237 \text{ Cu. Yds.}$$

$$\frac{264237}{31} = 8524 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{264237}{28.57} = 9265 \text{ - running -}$$

Pond Elev - 1312.5

Claims dredged - 46 Bon.

Surface area - 4.92 Acres.

Avg width cut - 51.5 ft.

Length - 400 -

23819	22811	23315
9	9	9
214371	205299	209835

No Writeoff

Dredge No 4 - September 1913

Dredge operated 30 days

✓ dug 654 hrs. 20 min = 27.26 days = 90.882
 ✓ lost 65 - 40 = 2.74 = 9.1270

Avg Hgt Bank = 10.7 ft.

✓ Depth = 25.6

Total = 36.3

(5.2)

Surface $\begin{array}{r} 8866 \\ 7721 \\ \hline 11445 \end{array}$ $\begin{array}{r} 0008 \\ 8866 \\ \hline 11472 \end{array}$ $11445 \times 17.67 = 20214 \text{ Sq. Yds}$

Bedrock $\begin{array}{r} 1135 \\ 0007 \\ \hline 1128 \end{array}$ $\begin{array}{r} 2260 \\ 1135 \\ \hline 1125 \end{array}$ $1127 \times 17.67 = 19914$
 ✓ 40128

Avg Area = 20064

$$20064 \times \frac{17.1}{36.3} = 242774 \text{ Cu. Yds}$$

$$\frac{242774}{30} = 8092 \text{ Cu. Yds per day elapsed time}$$

$$\frac{242774}{27.26} = 8906 \text{ running}$$

Pond Elev. - 1317.0
 Claims dredged - 45.46 Bel. Bon.
 Surface area - 4.18 Acres
 Avg. Width - 465 ft.
 ✓ Length - 425 -

$\begin{array}{r} 20214 \\ 9 \\ \hline 181926 \end{array}$	$\begin{array}{r} 19914 \\ 9 \\ \hline 17926 \end{array}$	$\begin{array}{r} 20064 \\ 9 \\ \hline 180576 \end{array}$
--	---	--

No Writeoff

Drill 4.

October 1953

Dredge operated 31 days - 26 for depth

✓ dug 561 hrs. 05 min = 23.38 days = 75.41 20

✓ lost 182 " 55 " = 7.62 " = 24.59 20

Avg. Hgt Bank = 9.5 ft.

Depth = 25.0 ✓

Total = 34.5 ✓

(5.9)

Surface

$$\begin{array}{r} 0564 \\ 9550 \\ \hline 10114 \end{array}$$

$$\begin{array}{r} 1580 \\ 0564 \\ \hline 10116 \end{array}$$

1015 x 17.67 = 17935

54 Yds.

Bedrock

$$\begin{array}{r} 2565 \\ 1583 \\ \hline 982 \end{array}$$

$$\begin{array}{r} 3550 \\ 2565 \\ \hline 985 \end{array}$$

984 x 17.67 = 17387

35322

Avg area = 17661

$$17661 \times \frac{11.5}{3} = 203102 \text{ Cu. Yds.}$$

$$\frac{203102}{31} = 6552 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{203102}{23.38} = 8687 \text{ running}$$

Pond Elev -

Claims dredged - 44-45 Bel. Bon.

Surface Area - 3.71 Acres

Avg width cut - 390 ft.

Length - 400 ✓

$$\begin{array}{r} 17935 \\ 9 \\ \hline 161415 \end{array}$$

$$\begin{array}{r} 17387 \\ 9 \\ \hline 156483 \end{array}$$

$$\begin{array}{r} 17661 \\ 9 \\ \hline 158949 \end{array}$$

No Whiteoff

Dredge No. 1

Nov. 1953
Shut down Nov 10 - 8:00 PM.

Dredge operated 9 days

- dug 203 hrs. 10 min. = 8.47 days = 94.06 ft.

- lost 12 " 50 " = 0.13 " = 5.94 ft.

Avg Net Bank = 14.9 ft.

- Depth = 21.4 -

Total = 36.3 -

(5.7)

$$\text{Surface} - \begin{array}{r} 8313 \\ 8159 \\ \hline 154 \end{array} \quad \begin{array}{r} 8469 \\ 8313 \\ \hline 156 \end{array} \quad 155 \times 17.67 = 2739 \text{ Sq. Yds}$$

$$\text{Bedrock} - \begin{array}{r} 8630 \\ 8470 \\ \hline 160 \end{array} \quad \begin{array}{r} 8788 \\ 8630 \\ \hline 158 \end{array} \quad 159 \times 17.67 = \begin{array}{r} 2809 \\ \hline 2748 \end{array}$$

$$\text{Avg. Area} = 2774$$

$$2774 \times \frac{36.3}{3} = 33565 \text{ Cu. Yds.}$$

$$\frac{33565}{9} = 3729 \text{ Cu. Yds per day elapsed time}$$

$$\frac{33565}{8.47} = 3963 \text{ " running -}$$

Pond Elev

Claims dredged 44 Bel. Ben

Surface area - 0.57

Avg width cut - 390 ft

- Length - 40 -

$$\begin{array}{r} 2739 \\ 9 \\ \hline 3043 \end{array} \quad \begin{array}{r} 2809 \\ 9 \\ \hline 3121 \end{array} \quad \begin{array}{r} 2774 \\ 9 \\ \hline 3082 \end{array}$$

No Write off

Dredge No. 1

May 1912
Started May 11 - 5:30 AM.

Dredge operated 21 days

Dug 467 hrs 05 min = 19.46 days = 92.687%

lost 36 " 55 " = 1.54 " = 7.32%

Avg Hat Bank = 6.2 Ft.

Depth = 24.7 "

Total = 30.9 "

(4.0)

Surface

1850	2073
1674	1850
226	223

 $225 \times 17.67 = 3976 \text{ Cu. Yds.}$ Bedrock

2284	2494
2070	2284
214	210

 $212 \times 17.67 = 3746$ ~ 7722

Avg Area = 3861

$$3861 \times \frac{10.3}{3} = 39768 \text{ Cu. Yds.}$$

$$\frac{39768}{21} = 1894 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{39768}{19.46} = 2044 \text{ } \sim \text{ running } \sim$$

Pond Elev. - 1323.1
Claims dredged - 44 Bel Bon
Surface Area - 0.82 Acres.
Avg. Width - 380 Ft.
Length - 11.0 "

3976	3746	3861
9	9	9
35784	33714	34749

Dredge No 1

June 1954

Dredge operated 30 days

dug 663 hrs 0 min = 27.63 days = 92.080
 lost 57 - 0 - = 2.37 - = 7.9270

Avg Wet Bank = 7.9 ft.

Depth = 27.0 -

Total = 34.9 -

(5.1)

$$\text{Surface} \quad \begin{array}{r} 1590 \\ 0834 \\ \hline 756 \end{array} \quad \begin{array}{r} 2336 \\ 1590 \\ \hline 746 \end{array} \quad 751 \times 17.67 = 13270 \text{ Sq Yds}$$

$$\text{Bedrock} - \quad \begin{array}{r} 3039 \\ 2333 \\ \hline 706 \end{array} \quad \begin{array}{r} 3754 \\ 3039 \\ \hline 715 \end{array} \quad 711 \times 17.67 = 12563$$

$$\begin{array}{r} 12563 \\ + 12833 \\ \hline 25396 \end{array}$$

$$\text{Avg Area} = 12917$$

$$\frac{12917 \times 34.9}{3} = 150268 \text{ Cu. Yds}$$

$$\frac{150268}{30} = 5009 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{150268}{27.63} = 5439 \quad \text{running}$$

Pond Elev - 1326.3
 Claims dredged - 43-44
 Surface Area - 2.74 Acres.
 Avg Width - 400 ft.
 Length - 300 -

$$\begin{array}{r} 13270 \\ 9 \\ \hline 119430 \end{array} \quad \begin{array}{r} 12563 \\ 9 \\ \hline 113157 \end{array} \quad \begin{array}{r} 12917 \\ 9 \\ \hline 116253 \end{array}$$

Dr #4 -

July 1954

Dredge operated 31 days

✓ dug 684 hrs. 0 min = 28.42 days = 91.67 %
 ✓ lost 64 / 0 = 2.58 = 8.33 %

Avg Hgt Bank = 11.7 ft.

✓ Depth = 26.8 ✓

Total = 38.5 ✓

(3.3)

$$\text{Surface} - \frac{5149}{3984} \quad \frac{6319}{5149} \quad 1168 \times 17.67 = 20639 \text{ Sq. Yds.}$$

$$\frac{1165}{1170}$$

$$\text{Bedrock} - \frac{7433}{6314} \quad \frac{8539}{7433} \quad 1113 \times 17.67 = 19667$$

$$\frac{1119}{1106}$$

$$\sqrt{40306}$$

$$\text{Avg Area} = 20153$$

$$\frac{20153 \times 38.5}{3} = 258630 \text{ Cu. Yds.}$$

$$\frac{258630}{31} = 8343 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{258630}{28.42} = 9100 \quad \checkmark \text{ running } \checkmark$$

Pond Elev - 1328.0

Claims dredged - 42-43 Below

Surface Area - 4.26 Acres.

Avg Width - 455 ft.

Length - 400 ✓

$$\begin{array}{r} 20639 \\ 9 \\ \hline 185751 \end{array} \quad \begin{array}{r} 19667 \\ 9 \\ \hline 177003 \end{array} \quad \begin{array}{r} 20153 \\ 9 \\ \hline 181377 \end{array}$$

Dredge No 1

August 1912

Dredge operated 31 days

Aug 68 hrs 50 min = 28.45 days = 91.78 %
 lost 61 - 10 - = 2.55 - = 8.22 %
 Avg Hgt Bank = 15.8 ft.
 Depth = 25.5 -
 Total = 41.3 -

(5.9)

Surface

3337
 2240
 1097

4430
 3337
 1093

1095 x 17.67

= 19349 Sq Yds.

Bedrock

5503
 4450
 1053

6552
 5503
 1049

1051 x 17.67

= 18571

✓ 37920

Avg Area = 18960

6320

$\frac{18960 \times 41.3}{3} = 261016 \text{ Cu. Yds.}$

$\frac{261016}{31} = 8420 \text{ Cu. Yds per day elapsed time}$

$\frac{261016}{28.45} = 9175$

running

Pond Elev - 1328.6

Claims dredged - 41-42 Bon.

Surface Area - 4.0 Acres

Avg Width - 440 ft.

Length - 400

19349
 9

174141

18571
 9

167139

18960
 9

170640

Dredge No. 4

September 1924

Dredge operated 30 days

dug 643 hrs. 40 min = 2.82 days = 89.40 %

lost 76 " 20 " = 3.18 " = 10.60 %

Avg. Net Bant = 13.2 ft.

Depth = 27.8 "

Total = 41.0

(6.5)

Surface - $\frac{4822}{3791} \frac{5855}{4822} \frac{1032 \times 17.67}{1033} = 18235 \text{ Sq. Yds.}$

Bedrock - $\frac{6427}{5856} \frac{7834}{6847} \frac{989 \times 17.67}{987} = \frac{17475}{35710}$

Avg Area = 17855

$\frac{17855 \times 41.0}{3} = 244018 \text{ Cu. Yds.}$

$\frac{244018}{30} = 8134 \text{ Cu. Yds. per day elapsed time}$

$\frac{244018}{26.82} = 9098 \text{ " " " running "}$

Pond Elev 1335.4

Claims dredged - 41-42

Surface area - 3.77 Acres.

Avg. Width - 515 ft

Length - 300 "

$\frac{18235}{9}$	$\frac{17475}{9}$	$\frac{17855}{9}$
16411.5	15727.5	16069.5

$$\begin{array}{r} 20700 \\ \hline 146300 \end{array}$$

26 1/2

1
11

Dredge No 4

October 1914

Dredge operated 31 days.

- dug 681 hrs. 25 min = 28.39 days = 91.59 %
 - lost 62 - 35 - = 2.61 - = 8.41 %

Avg Hgt Bank = 11.7 Ft.

- Depth = 27.1

(5.5)

Total = 38.8

Surface

39561	5137	6315
<u>2790</u>	<u>3956</u>	<u>5137</u>
1166	1181	1178

1180 x 17.67 = 20851 Sq. Yds.

Bedrock

7471	8632
<u>6308</u>	<u>7471</u>
1163	1161

1162 x 17.67 = 20533

$$\sqrt{41384}$$

Avg Area = 20692

$$\frac{20692 \times 38.8}{3} = 267817 \text{ Cu. Yds.}$$

$$\frac{267817}{31} = 8639 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{267817}{28.39} = 9433 \quad \text{running } \checkmark$$

Bond Bill

Claims dredged - 40-41 Bel Bon.

Surface area - 4.28 Acres.

Avg width - 480 Ft

Length - 380 -

20851	20533	20692
<u>9</u>	<u>9</u>	<u>9</u>
187659	184797	186228

$$\begin{array}{r} 14700 \\ \underline{132300} \end{array}$$

$$12\frac{1}{2} \square$$

Dredge No 4

November 1954

Dredge operated 30 days - 1 day in Dec (26 days for bath)

1	dug 548	hrs. 10	min = 22.84 days = 76.13 %
1	lost 171	✓ 50	✓ = 7.16 ✓ = 23.87 %
Avg. Hgt Bank	= 14.2	ft.	
1	Depth	= 25.2	✓
Total	✓	= 39.4	✓

(3.3)

Surface $\begin{array}{r} 7851 \\ 7009 \\ \hline 842 \end{array}$ $\begin{array}{r} 8690 \\ 7851 \\ \hline 839 \end{array}$ $841 \times 17.67 = 14860 \frac{5}{8} \text{ yds}$

Bedrock $\frac{9496}{8628}$ $\frac{0316}{9496}$ 819×17.67 $= 14472$
818 820 $\frac{29332}{173652}$

Avg Area = 14666

$$14666 \times \frac{39.4}{3} = 192613 \text{ Cur. lbs.}$$

$$\frac{192613}{30} = 6420 \text{ Cu.Yds. per day elapsed time}$$

$$\frac{19261.3}{22.84} = 843.2 \quad - \quad \text{running} \quad -$$

Pond Elev - 133.6.0
Claims dredged - 40 Below Bon
Surface Area - 3.07 Acres.
Avg width - 780 Ft.
Length - 170'

14860	14472	14666
<u>9</u>	<u>9</u>	<u>9</u>
133740	130248	131994

$$\begin{array}{r} 1766' \\ \hline 158,947 \end{array}$$

$$7.0 \text{ } \pi \text{ } \Pi'$$

Dr. No. 1

May 1955
Started May 7 - 8:00 AM.

Dredge operated 25 days

dug 546 hrs. 25 min = 22.5 days = 90.07 %

lost 19 - 31 = 2.48 = 9.93 %

Avg. Hat Bank = 10.5 ft.

Depth = 31.3 -

Total = 41.8 -

(3.2)

$$\text{Surface} - \begin{array}{r} 4539 \\ 3499 \\ \hline 1040 \end{array} \quad \begin{array}{r} 5569 \\ 4539 \\ \hline 1030 \end{array} \quad \begin{array}{r} 6603 \\ 5569 \\ \hline 1034 \end{array}$$

$$1032 \times 17.67 = 18235 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \begin{array}{r} 7517 \\ 6550 \\ \hline 967 \end{array} \quad \begin{array}{r} 8484 \\ 7517 \\ \hline 967 \end{array}$$

$$967 \times 17.67 = 17087$$

$$35322$$

$$\text{Ar Area} \quad 17661$$

✓ 887.

$$17661 \times \frac{41.8}{3} = 246077 \text{ Cu. Yds.}$$

$$\frac{246077}{25} = 9843 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{246077}{22.52} = 10927 \text{ - running -}$$

Pond Elev - 1348.2
Claims dredged - 40 Below
Surface Area - 3.77 Acres
Avg. Width Cut - 250 Ft
Length - 650 -

$$\begin{array}{r} 18235 \\ 9 \\ \hline 16415 \end{array}$$

$$\begin{array}{r} 17087 \\ 9 \\ \hline 153783 \end{array}$$

$$\begin{array}{r} 17661 \\ 9 \\ \hline 158949 \end{array}$$

$$\begin{array}{r} 21284 \\ \hline 19,1556 \end{array}$$

$$11.540'$$

Dredge No. A

June 1955

Dredge operated 30 days

Aug 636 hrs. 0 min = 26.50 days = 88.33 %

1051 8.4 - 0 = 3.50 = 11.67 %

Avg. Wet Bank = 8.1 ft.

Depth = 33.9 -

(3.8)

Total = 42.0 -

Surface

$$\begin{array}{r} 7839 \\ 6624 \\ \hline 1215 \end{array} \quad \begin{array}{r} 9050 \\ 7839 \\ \hline 1211 \end{array}$$

$$1213 \times 17.67 = 21434 \text{ Sq. Yds.}$$

Bedrock

$$\begin{array}{r} 0244 \\ 9049 \\ \hline 1195 \end{array} \quad \begin{array}{r} 1440 \\ 0244 \\ \hline 1196 \end{array}$$

$$1196 \times 17.67 = 21133$$

$$+ 42567$$

$$\text{Avg Area} = 21284$$

$$21284 \times \frac{42.0}{3} = 297976 \text{ Cu. Yds.}$$

$$\frac{297976}{30} = 9933 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{297976}{26.50} = 11244 \text{ running}$$

Pond Elev - 1348.4

Claims dredged 39-40 Bel. Bon

Surface Area - 4.43 Acres.

Avg Width - 480 Ft

Length - 400 -

$$\begin{array}{r} 21434 \\ 9 \\ \hline 192906 \end{array} \quad \begin{array}{r} 21133 \\ 9 \\ \hline 190197 \end{array} \quad \begin{array}{r} 21284 \\ 9 \\ \hline 191556 \end{array}$$

2200000
13.5
1

Dredge No. 4

July 1915

Dredge operated 31 days

Dug 56 hrs 25 min = 27.35 days = 88.23 Tons

lost 87 / 35 = 3.65 = 11.77 Tons

Avg. Hgt. Bent = 15.8 ft.

Depth = 29.1

Total = 44.9

(3.7)

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 7240 \\ 5826 \\ \hline 1414 \end{array} \quad \begin{array}{r} 8651 \\ 7240 \\ \hline 1411 \end{array} \end{array}$$

$$1412 \times 17.67 = 24910 \text{ Cu. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 0009 \\ 8660 \\ \hline 1349 \end{array} \quad \begin{array}{r} 1360 \\ 0009 \\ \hline 1351 \end{array} \end{array}$$

$$1350 \times 17.67 = 23854$$

$$\begin{array}{r} 48804 \\ \hline \text{Avg Area} = 24402 \end{array}$$

$$\begin{array}{r} 8134 \\ 24402 \times 44.9 \\ \hline 365217 \end{array} = 365217 \text{ Cu. Yds.}$$

$$\frac{365217}{31} = 11781 \text{ Cu. Yds. per day closed times}$$

$$\frac{365217}{27.35} = 13353 \quad \text{running}$$

Pond Elev - 1349.4
 Claims dredged - 38-39 Bel. Bon
 Surface Area - 5.15 Acres
 Avg width - 350 ft.
 Length - 630

$$\begin{array}{r} 24950 \\ 9 \\ \hline 224550 \end{array} \quad \begin{array}{r} 23854 \\ 9 \\ \hline 214686 \end{array} \quad \begin{array}{r} 24402 \\ 9 \\ \hline 219618 \end{array}$$

219.5

11.1

Dredge No. 1

August 1955

Dredge operated 31 days

✓ dug 665 hrs. 45 min. = 27.74 days = 89.48 %
 ✓ lost 78 - 15 - = 3.26 - = 10.52 %

Avg Hgt Bank = 12.8 Ft.

Depth = 36.1

Total = 48.9

(4.0)

Surface $\begin{array}{r} 6185 \\ 4773 \\ \hline 1412 \end{array}$ $\begin{array}{r} 7607 \\ 6185 \\ \hline 1422 \end{array}$ $\begin{array}{r} 9020 \\ 7607 \\ \hline 1413 \end{array}$

 $1413 \times 17.67 = 24968 \text{ Sq. Yds.}$

Bedrock $\begin{array}{r} 0336 \\ 9000 \\ \hline 1336 \end{array}$ $\begin{array}{r} 1673 \\ 0336 \\ \hline 1337 \end{array}$

$1337 \times 17.67 = 23624$
 $\checkmark \quad \underline{48592}$

Avg Area = 24296

$24296 \times \frac{16.3}{3} = 396025 \text{ Cu. Yds.}$

$\frac{396025}{31} = 12775 \text{ Cu. Yds. per day elapsed time}$

$\frac{396025}{27.74} = 14276$ - running -

Pond Elev - 1366.6
 Claims dredged - 37-38 Bel. Ben.
 Surface Area - 5.16 Acres
 Avg Width - 400 Ft.
 Length - 540 -

$\begin{array}{r} 24968 \\ 9 \\ \hline 224712 \end{array}$ $\begin{array}{r} 23624 \\ 9 \\ \hline 212616 \end{array}$ $\begin{array}{r} 24296 \\ 9 \\ \hline 218664 \end{array}$

19902³

22.4 K D'

Dredge No. 4

Sept. 1955

Dredge operated 30 days

dug 66 hrs. 45 min = 27.36 days = 91.22 %
 lost 63 " 15 " = 2.64 " = 8.78 %

Avg Hat Bank = 90 ft.

Depth = 40.1

Total = 49.1

$$\text{Surface} = \frac{8555}{7266} \quad \frac{9849}{8555} \quad \frac{1291}{1289}$$

$$1291 \times 17.67 = 22812 \text{ Sq. Yds.}$$

$$\text{Bedrock} = \frac{3458}{2260} \quad \frac{4672}{3458} \quad \frac{5884}{4672} \quad \frac{1214}{1212}$$

$$1213 \times 17.67 = 21434$$

$$\frac{44246}{22123}$$

$$\text{Avg Area} = 22123$$

$$22123 \times \frac{49.1}{3} = 362080 \text{ Cu. Yds.}$$

$$\frac{362080}{30} = 12069 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{362080}{27.36} = 13234 \text{ running}$$

Fond Elov - 1367.7

Claims dredged - 36-37 Bel. Bon

Surface Area - 41.71 Acres

Avg Width - 550 ft.

Length - 400 -

$$\frac{22812}{9} = 25308$$

$$\frac{21434}{9} = 192906$$

$$\frac{22123}{9} = 199107$$

159,5m

239

Dredge No. 1

October 1955

Dredge operated 31 days (27 for depth)

dug 573 hrs. 15 min = 23.89 days = 77.05 %

lost 170 - 45 = 7.11 = 22.95 %

Avg Hgt of Bank = 13.2 Ft.

Depth = 36.3 -

Total = 49.5

(4.4)

Surface	8872	9887			
	7850	8872			
	1022	1015			
			1019 x 17.67	= 18006	59 Yds

Bedrock	0868	1855			
	9882	0868			
	986	987			
			987 x 17.67	= 17440	
				+ 35446	

Avg Area = 17723

$$17723 \times \frac{16.5}{3} = 292430 \text{ Cu. Yds.}$$

$$\frac{292430}{31} = 9433 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{292430}{23.89} = 12241 \text{ running}$$

Pond Elv - 1368.8
 Claims dredged - 35-36 Bonanza
 Surface Area - 3.72 Acres.
 Avg Width - 600 Ft
 Length - 250'

18006	17440	17723
9	9	9
162054	156960	159507

Dredge No. 4

November 1955
Shut down Nov 15 - 8:00 AM

Dredge operated 14 days

$$\begin{aligned} & \text{digging hrs. 40 min} = 10.32 \text{ days} = 23.71 \text{ } 72 \\ & \text{lost 88 } 20 = 3.68 = 26.29 \text{ } 24 \end{aligned}$$

Avg. Hgt Bank = 15.0 ft.

Depth = 32.0

Total = 47.0

(4.0)

Surface

$$\begin{array}{r} 8682 \\ 8293 \\ \hline 389 \end{array} \quad \begin{array}{r} 9062 \\ 8682 \\ \hline 380 \end{array}$$
 $385 \times 17.67 = 6803 \text{ Sq. Yds.}$

Bedrock

$$\begin{array}{r} 9420 \\ 9056 \\ \hline 364 \end{array} \quad \begin{array}{r} 9795 \\ 9420 \\ \hline 375 \end{array}$$
 $370 \times 17.67 = 6537$ $\sqrt{13340}$

Avg. Area = 6670

 $6670 \times \frac{47.0}{3} = 104497 \text{ Cu. Yds.}$ $\frac{104497}{14} = 7464 \text{ Cu. Yds. per day elapsed time}$ $\frac{104497}{10.32} = 10126 \text{ } - \text{ running } -$

Pond Elev - 1369.3

Claims dredged 35-36 Below Bon

Surface Area - 1.40 Acres.

Avg Width - 120 ft.

Length - 515

$$\begin{array}{r} 6803 \\ 9 \\ \hline 61227 \end{array} \quad \begin{array}{r} 6537 \\ 9 \\ \hline 58833 \end{array} \quad \begin{array}{r} 6670 \\ 9 \\ \hline 60030 \end{array}$$

Dredge #1

May 1956
Started May 6 - 12:20pm

Dredge operated 26 days - 22 days for depth

dug 46 hrs. 10 min = 19.34 days = 74.39 %

lost 159 - 50 = 6.66 = 25.61 %

Avg. Hgt. Bank = 19.2 ft.

Depth = 37.6

Total = 56.8

(H.D.)

$$\text{Surface} - \frac{1092}{0380} = 712$$

$$\frac{1810}{1092} = 718$$

$$715 \times 17.67 = 12634 \text{ sq. ft.}$$

$$\text{Bedrock} - \frac{2438}{1796} = 642$$

$$\frac{3095}{2438} = 3761$$

$$\frac{3095}{3095} = 666$$

$$662 \times 17.57 = 11698$$

$$\sqrt{24332}$$

$$\text{Avg Area} = 12166$$

$$12166 \times \frac{56.8}{3} = 230343 \text{ Cu. Yds.}$$

$$\frac{230343}{26} = 8859 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{230343}{19.34} = 11910 \text{ - running -}$$

Pond Elev - 137.5

Claims dredged - 34-38 Bel Barr.

Surface Area - 2.61 Acres

Avg width cut - 420 ft.

Length - 290

$$\frac{12634}{2} = 113706$$

$$\frac{11698}{9} = 105282$$

$$\frac{12166}{9} = 109494$$

Dr H 4

June 1956

Dredge operated 30 days

dug 649 hrs 25 min = 27.06 days = 90.25
 lost 70 - 35 - 2.94 = 9.87

Avg. Wet Bank - 12.0 ft.

Depth - 38.2

Total - 10.3

(4.6)

Surface - $\begin{array}{r} 7850 \\ 6635 \\ \hline 1215 \end{array}$

9054
 7850
 1204

 $1209 \times 17.67 = 21363 \text{ sq ft}$

Bedrock - $\begin{array}{r} 10219 \\ 905 \\ \hline 1194 \end{array}$

11394
 10219
 1175

12562
 11394
 1168

 $1171 \times 17.67 = 20692$
 $\text{Avg Area} = 21028$

$$\frac{21028 \times 10.3}{3} = 352569 \text{ Cu. Yds}$$

$$\frac{352569}{30} = 11752 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{352569}{27.06} = 13029 \text{ - running}$$

Pond Elev - 1380.8

Claims dredged - 34 Bel Ben

Surface Area - 4.41 Acres

Avg. Width - 285 ft

Length - 700

$\begin{array}{r} 21363 \\ 9 \\ \hline 192267 \end{array}$

$\begin{array}{r} 20692 \\ 9 \\ \hline 186228 \end{array}$

$\begin{array}{r} 21028 \\ 9 \\ \hline 189252 \end{array}$

D. #4

July 1956

Dredge operated 31 days

Aug 679 hrs 10 min = 28.30 days = 91.29 %
1057 64 - 50 - = 2.70 - = 8.71 %

$$1057.64 - 50 = 2.70 \quad = 8.71 \%$$

Req. Hgt Bank = 10.0 ft.

Depth = 38.0

Total = 48.0

4.8

Surface

4404

3295

1109

55/3

4404

1109

$$1109 \times 17.67 = 19596 \text{ } 59.40\%$$

Bedrock

66, 4

5504

1110

77 ✓

6614

1 2 3 4

$$1110 \times 17.67 = 19614$$

✓/ 39210

Avg. Area = 1960v

$$19605 \times \frac{16}{48.0} = 31368 \text{ Cu. Yds}$$
$$\frac{313680}{31} = 10119 \text{ Cu. Yds. per day elapsed time}$$

$313680 \div 28.30 = 11084$ - running -

Pond Elev.	-	1578.6
Claims dredged	-	33-34 Bal. Bon
Surface Area	-	4.05 Acres.
Avg. Width	-	380 Ft.
Length	-	450 -

Clams dredged - 33-34 Bul. B. n.

Surfaco Rica - N.º 5 Aceros.

Fig. Width, - 380 ft.

Length - 450

1996

9

1763624

19614

9

176✓✓✓

1960 ✓

5

176 2445

Dredge No 14

August 1956

Dredge operated 31 days - 28 For depth

✓ dug 55 hrs. 45 min = 23.03 days = 74.29 %

✓ lost 191 - 15 - = 7.97 - = 25.71 %

Avg Surf Bank = 15.5 ft.

✓ Depth = 40.2 -

Total = 55.7

(3.9)

$$\begin{array}{r} \text{Surface} \quad - \quad \begin{array}{r} 8348 \\ 7390 \\ \hline 918 \end{array} \quad \begin{array}{r} 9310 \\ 8348 \\ \hline 962 \end{array} \end{array}$$

$$960 \times 17.67 = 16963 \quad \text{Sq. Yds}$$

$$\begin{array}{r} \text{Bedrock} \quad - \quad \begin{array}{r} 0229 \\ 9308 \\ \hline 921 \end{array} \quad \begin{array}{r} 1159 \\ 0229 \\ \hline 930 \end{array} \end{array}$$

$$925 \times 17.67 = 16345 \quad \checkmark$$

$$\checkmark \quad \underline{33308}$$

$$\text{Avg Area} = 16654 \quad \checkmark$$

$$16654 \times \frac{55.7}{3} = 309209 \quad \text{Cu. Yds}$$

$$\frac{309209}{31} = 9974 \quad \text{Cu. Yds. per day elapsed time}$$

$$\frac{309209}{23.03} = 13426 \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev - 1380.0
 Claims dredged - 33 - 34 Bel. Ben
 Surface Area - 3.50 Acres
 Avg. Width - 185 ft
 ✓ Length - 875 ✓

$$\begin{array}{r} 16963 \\ 9 \\ \hline 152667 \end{array}$$

$$\begin{array}{r} 16345 \\ 9 \\ \hline 149105 \end{array}$$

$$\begin{array}{r} 16654 \\ 9 \\ \hline 149886 \end{array}$$

Dredge No. 14

Sept 1956

Dredge operated 30 days - 29 for depth
 dug 612 hrs. 0 min = 25.50 days = 85.00 %
 lost 108 - 0 - = 4.50 - = 15.00 %
 Avg Hgt Bank = 20.6 ft.
 Depth = 41.4 - 3.0
 Total = 62.0 -

Surface

$$\begin{array}{r} 9455 \\ 8676 \\ \hline 779 \end{array}$$

$$\begin{array}{r} 10237 \\ 9455 \\ \hline 782 \end{array}$$

780 x 17.67 = 13783

Sq Yds.

Bedrock

$$\begin{array}{r} 0937 \\ 0218 \\ \hline 719 \end{array}$$

$$\begin{array}{r} 1657 \\ 0937 \\ \hline 720 \end{array}$$

720 x 17.67 = 12722

Sq Yds.

2) 26505

AVG. AREA = 13252

Sq Yds.

$$13252 \times \frac{62}{3}$$

= 273875

CU. YDS

$$\frac{273875}{30}$$

= 9,129

CU. YDS PER DAY ELAPSED TIME

$$\frac{273875}{25.50}$$

= 10,740

CU " " " RUNNING TIME

Pond Elev - 1378. ✓

Claims dredged - 33 Below Ban.

Surface Area - 2.85 ACRES.

Avg Width - 220

Length - 500'

$$\begin{array}{r} 13783 \\ 9 \\ \hline \end{array}$$

124047 ✓

$$\begin{array}{r} 12722 \\ 9 \\ \hline \end{array}$$

114498 ✓

$$\begin{array}{r} 13252 \\ 9 \\ \hline \end{array}$$

119268 ✓

DREDGE OPERATED 31 DAYS - 24 DAYS FOR DEPTH.

" DUG 458 HRS. 0 MIN = 19.08 DAYS = 61.56 %

" LOSZ 286 " 0 MIN = 11.92 " = 38.44 %

AVG DEPTH BANK. = 40 FT.

" HGT. " = 22 FT.

TOTAL " = 62 FT.

(3.0)

SURFACE

0949

1630

0270

0949

679

681

 $680 \times 17.67 = 12,016 \text{ Sq yds.}$ BEDROCK.

2308

2962

1652

2308

656

654

 $655 \times 17.67 = 11,574 \text{ Sq yds.}$

2) 23590

AVG. AREA = 11,795 Sq yds.

 $11,795 \times \frac{62}{3} = 243,763 \text{ Cu yds.}$ $243,763 \div 31 = 7,863 \text{ Cu yds PER DAY ELAPSED TIME}$ $243,763 \div 19.08 = 12,776 \text{ " " " " RUNNING TIME}$

POND ELEV -

CLAIMS DREDGED - 33 BELLOW BON.

SURFACE AREA. = 2.44 ACRES.

AVG. WIDTH 375

" LENGTH 300

12,016

9

108,144

11,574

9

104,166

11,795

9

106,155

DREDGE # 4

Nov 1-5, 1956

SHUT DOWN 8.30 AM. NOVEMBER 5.

DREDGE OPERATED 4 DAYS.

" DUG 86 HRS. 50 MIN. = 3.62 DAYS = 90.45%

" LOST 9 " 10 " = .38 " = 9.55%

AVG. HGT BANK = 22.0 FT.

" DEPTH " = 35.0 FT.

TOTAL = 57 FT.

(3.0)

SURFACE :-

3850	3952	
3745 ✓	3850 ✓	104 ✓ x 17.67 = 1838 ✓
105	102	Sa. Yds.

BEDROCK :-

4071	4163	
3980 ✓	4071 ✓	92 ✓ x 17.67 = 1626 ✓
91	92	2) 3464 ✓
		AVG. AREA = 1732 ✓
		Sa. Yds.

1732 x ¹⁹57 = 32,908 ✓ Cu. Yds.

3

32,908 = 8227 ✓ Cu. YDS. PER DAY ELAPSED TIME

4

32908 = 9,091 ✓ " " " RUNNING TIME

3.62

POND ELEV — — —

CLAIMS DREDGED — 33 B. BONANZA.

SURFACE AREA — .38 ACR.

AVG. WIDTH — 275

" LENGTH — 65

1838

9

16,542 ✓

1626

9

14,634 ✓

1732

9

15,588 ✓

Dredge No. 11

May 1957
Started May 4 - 4:15 pm

Dredge operated 28 days

✓ dug 577 hrs. 25 min = 24.06 days = 85.93 %
 ✓ lost 94 " 35 " = 3.94 " = 14.07 %

Avg. Hgt. Bank = 5.4 ft.

✓ Depth = 43.6 ✓

Total ✓ = 49.0 ✓

(3)

$$\text{Surface} - \frac{8721}{8154} \quad \frac{9281}{8921} \quad 566 \times 17.67 = 10001 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{9830}{9339} \quad \frac{0329}{9830} \quad 495 \times 17.67 = \frac{8747}{\sqrt{18748}}$$

Avg. Area 9374 ✓

$$9374 \times \frac{49.0}{3} = 153109 \text{ Cu Yds.}$$

$$\frac{153109}{28} = 5468 \text{ Cu. Yds. per day closed time}$$

$$\frac{153109}{24.06} = 6364 \text{ } \checkmark \quad \text{running } \checkmark$$

Pond Elev - 1403.4
 Claims dredged - 32 Below
 Surface Area - 2.07 Acres
 Avg Width - 400 ft.
 Length - 220 -

$$\begin{array}{r} 10001 \\ 9 \\ \hline 90009 \end{array} \quad \begin{array}{r} 8747 \\ 9 \\ \hline 78723 \end{array} \quad \begin{array}{r} 9374 \\ 9 \\ \hline 84366 \end{array}$$

Dredge No 4

JUNE 1957

Dredge Operated 30 Days.

" Dug. 658 Hrs. 50 min. = 27.45 days = 91.50 %

" Lost. 61 " 10 " = 2.55 " = 8.50 %

Avg. Hgt of bank. = 10.5'

" Depth. = 46.2'

Total. = 56.7' (2.9)

Surface. 9128 0185
 8069 9128
 1059 1057

$$= 1058 \times 17.67 = 18,695 \text{ Sp. Yds.}$$

Bedrock. 1224 2279
 0173 1224
 1051 1055

$$= 1053 \times 17.67 = 18,607 \text{ Sp. Yds.}$$

2) 37302

Avg. 18651

$$18651 \times \frac{18.9}{56.7} = 352,504 \text{ Cu yds}$$

$$\frac{352,504}{30} = 11,750 \text{ Cu Yds per day elapsed time}$$

$$\frac{352,504}{27.45} = 12,842 \text{ " " " " Running "}$$

Pond Elev. 1398.3
 Claims dredged. 32 Bel. Ben.
 Surface Area. 3.86 acres
 Avg. Length. 450
 " Width. 300

18695
 9
 168255

18607
 9
 167463

18651
 9
 167859

DREDGE No 4

July 157

DREDGE OPERATED 31 Days - 30 for depth
 " DUG 650 hrs. or min = 27.09 days = 87.38%
 " LOST 93 ✓ ✓ ✓ = 3.91 ✓ = 12.62%
 AVG. HGT OF BANK = 15.3 Ft.
 " DEPTH = 47.5 ✓
 TOTAL = 62.8 ✓ (3.0)

SURFACE
 6428 7182 7936
 5682 6428 7182 ✓
 746 754 ✓ 754 ✓ = 754 × 17.67 = 13,323 Sq. yds.

BEDROCK
 8602 9310 10025 ✓
 7885 8602 9310 ✓
 717 ✓ 708 715 ✓ = 716 × 17.67 = 12,652 Sq. yds.
 2) 25,975
 12,988 ✓

$$\frac{12988 \times 62.8}{3} = 271,882 \text{ Cu. Yds}$$

$$\frac{271,882}{31} = 8770 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{271,882}{27.09} = 10036 \text{ ✓ - running ✓}$$

POND ELEVATION 1394.1
 CLAIMS DREDGED 32 BEL. BONANZA
 SURFACE AREA = 2.68 ACRES.
 AVG LENGTH = 390
 " WIDTH = 300

$$\begin{array}{r} 13323 \\ 9 \\ \hline 119907 \end{array} \checkmark$$

$$\begin{array}{r} 12652 \\ 9 \\ \hline 113868 \end{array} \checkmark$$

$$\begin{array}{r} 12988 \\ 9 \\ \hline 116892 \end{array} \checkmark$$

DREDGE # 4

Aug 1957

DREDGE OPERATED 31 DAYS.

" DUG 676 HRS. 50 MINS = 28.20 DAYS = 90.97%

" LOST 67 " 10 MINS = 2.80 " = 9.03%

AVG. HGT. OF BNK. — 18.1'

DEPTH — 44.5'

TOTAL — 62.6' ✓

(3.0)

SURFACE

5017

6026

4008

5017

1009 ✓

1009 ✓

= 1009 × 17.67 = 17829 Sq. Yds

BEDROCK

6878

7845

8826

5896

6878

7845

982 ✓

967

981 ✓

= 982 × 17.67 = 17352 " "

2) 35181 ✓

$$\frac{17591 \times 626}{3} = 367,066 \text{ Cu. Yds.}$$

AVG. AREA = 17591 ✓

$$\frac{367,066}{31} = 11,841 \text{ Cu. Yds PER DAY ELAPSED TIME. ✓}$$

$$\frac{367,066}{28.20} = 13,017 \text{ " " " " RUNNING " ✓}$$

POND ELEV — 1397.2
 CLAIMS DREDGED — 32 - DEL.
 SURFACE AREA — 3.68
 AVG WIDTH — 300'
 " LENGTH — 590'

$$\begin{array}{r} 17829 \\ 9 \\ \hline 160461 \end{array}$$

$$\begin{array}{r} 17352 \\ 9 \\ \hline 156168 \end{array}$$

$$\begin{array}{r} 17591 \\ 9 \\ \hline 158319 \end{array}$$

Dredge No. 4

Sept. 1957

Dredge operated 30 days

dug 63 hrs 05 min = 27.21 days = 90.71 %
 lost 66 " " " = 2.79 " = 9.29 %

Avg Hgt. Bank = 10.9 ft.

Depth = 40.0 "

Total = 51.4 "

(3.0)

$$\text{Surface} - \frac{4004}{3145} \quad \frac{4874}{4004} \quad \frac{5732}{4874} \quad 860 \times 17.67 = 15196 \text{ Sq. Yds.}$$

$$\frac{3145}{859} \quad \frac{4004}{868} \quad \frac{4874}{860}$$

$$\text{Bedrock} - \frac{6625}{5754} \quad \frac{7499}{6625} \quad 873 \times 17.67 = 15426$$

$$\frac{5754}{871} \quad \frac{6625}{874}$$

✓ 30622

Avg. Area = 15311

$$\frac{15311 \times 51.4}{3} = 262328 \text{ Cu. Yds.}$$

$$\frac{262328}{30} = 8744 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{262328}{27.21} = 9641 \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev - 1399.2
 Claims dredged - 31-32 Bt/Bon.
 Surface Area - 3.14
 Avg Width - 200 Ft.
 Length - 600'

$$\begin{array}{r} 15196 \\ 9 \\ \hline 136764 \end{array} \quad \begin{array}{r} 15426 \\ 9 \\ \hline 138834 \end{array} \quad \begin{array}{r} 15311 \\ 9 \\ \hline 137799 \end{array}$$

$$\begin{array}{r} 983700 \\ \hline 96057 \end{array}$$

$$1955 \text{ CYS} = 2064,300$$

$$\checkmark \text{ Sp. Ft.} = 1180,000$$

$$1954 - \text{CYS} = 1,414,130$$

$$\checkmark \text{ Sp. Ft.} = 963,333$$

$$1956 - \text{CYS} = 1,756,347$$

$$\checkmark \text{ Sp. Ft.} = 848,439$$

" DUG. 676 hrs. 30 min = 28.19 days = 90.93 %
" Lost. 67 - 30 - = 2.81 - = 9.87 %

Avg HGT of BANK. = 23.0 ft.

" DEPTH = 41.6 ✓

TOTAL. = 64.6 ✓

3.0

SURFACE. $\begin{array}{r} 9976 \\ 9360 \\ \hline 616 \end{array}$ $\begin{array}{r} 0589 \\ 9976 \\ \hline 613 \end{array}$ $\begin{array}{r} 1204 \\ 0589 \\ \hline 615 \end{array}$ $\checkmark$ $\checkmark$ $\checkmark$

$616 \times 17.67 = 10885 \text{ Sq Yds}$

BEDROCK

1800	2410	3022
<u>1185</u>	<u>1800</u>	<u>2410</u>
615	610	612

$= 611 \times 17.67 = 10796$ Sq. Yds.

$2 \overline{) 21681}$

Avg. Area = 10841 Sq. Yds.

$$\frac{10841 \times 64.6}{3} = 233443 \text{ Cu.Vols.}$$

$\frac{233443}{31} = 7530$ Cu. Yds. per day elapsed time

$\sqrt{33443} = 8281$ ✓ - running -

POND ELEV -	1397.4
CLAIMS DREDGED -	31 Bel Bon.
SURFACE AREA -	2.25 ACRES
AVG WIDTH -	400'
" LENGTH -	250'

1088 ✓	10796	10841
<u>9</u>	<u>9</u>	<u>9</u>
9796 ✓	97164	97569

DREDGE No 4

NOVEMBER 1957

SHUT DOWN 4:00 P.M. NOV. 19

DREDGE OPERATED 18 DAYS

" DUG 401 hrs. 05 min = 16.71 days = 92.84 T₂" LOST 30 ✓ 55 ✓ = 1.29 ✓ = 7.16 T₂

AVERAGE HGT. OF BNK = 26.3 Ft.

" DEPTH = 41.8 ✓

TOTAL = 68.1 ✓

(3.0)

SURFACE

7058

7323

6794

7058

264

265

265 x 17.67 = 4683 Sq. Yds.

BEDROCK

7593

7848

7337

7593

256

255

256 x 17.67 = 4524 Sq. Yds.

2) 9207

AVG. AREA = 4604 Sq. Yds.

$$4604 \times \frac{22.7}{3} = 104511 \text{ Cu. Yds.}$$

$$\frac{104511}{18} = 5806 \text{ Cu. Yds. per day, elapsed time}$$

$$\frac{104511}{16.71} = 6254 \text{ running}$$

POND ELEVATION —

CLAIMS DREDGED —

31 Below Ben.

SURFACE AREA —

0.97 Acres

AVERAGE WIDTH —

320 Ft.

" LENGTH —

110 "

722060 = Sq. Ft.
B.R.
1957

$$\begin{array}{r} 4683 \\ 9 \\ \hline 42147 \end{array}$$

$$\begin{array}{r} 4524 \\ 9 \\ \hline 40716 \end{array}$$

$$\begin{array}{r} 4604 \\ 9 \\ \hline 41436 \end{array}$$

Dredge # 4

Started May 2/58

9:00 A.M.

Dredge Operated 30 days.

" Dug. — 636 Hrs. 10 mins. = 26.51 days = 88.36 %
 " Lost — 83 " 50 " = 3.49 " = 11.64 %
 Avg. Hgt. of Bank — 10.9 Feet
 " Depth — 52.9 "
 " Total. — 63.8 ✓ "

(3.4)

Surface

4832
 4239
 593 ✓

5431
 4832
 599 ✓

596 × 17.67

=

10,531 ✓

Sq. Yds.

Bedrock

6013
 5458
 555 ✓

6578
 6013
 565 ✓

560 × 17.67

=

9,895 ✓

Sq. Yds.

2) 20,426

Avg. Area = 10,213 ✓

Sq. Yds.

10,213 × 63.8 = 217,196 ✓ Cubic Yards.
 3

217,196
 30

= 7,240 ✓ Cubic Yards per day Elapsed Time.

217,196
 26.51

= 8,193 ✓ " " " " Running Time

Pond Elev. —

Claims dredged. — 30 Below Ben.

Surface Area. — 2.2 Acres

Avg. Width — 415

" Length. — 230'

10,531
 9

94,779 ✓

9,895
 9

89,055 ✓

10,213
 9

91,917 ✓

Dredge # 4 June 1958.

Dredge Operated 30 days.

" Dug 633 hrs. or min = 26.38 days = 87.93 %
 " Lost 86 " " = 3.62 " = 12.07 %
 Avg. Hgt of Bnk. - 17.1 ft.
 " Depth - 49.5 "
 Total - 66.6 "

(3.2)

Surface 7280 8094
 6471 7280
 809 814

812 x 17.67 = 14,348 Sq. Yds.

Bedrock 8831 9557
 8108 8831
 723 726

725 x 17.67 = 12,811 Sq. Yds.

2) 27,159
 Avg Area = 13,579 Sq. Yds.

$\frac{13579 \times 66.6}{3} = 301454 \text{ Cu Yds.}$

$\frac{301454}{30} = 10048 \text{ Cu Yds. per day elapsed time}$

$\frac{301454}{26.38} = 11427 \text{ - running -}$

Pond Elev. - 1417.6

Claims dredged - 29-30 Below Pond

Surface Area - 3.0 Acres

Avg width. - 390 ft.

" Length - 350 "

14,348
 9
 129,132

12,811
 9
 115,299

13,579
 9
 122,211

Dredge # 4 July 1958

Dredge Operated - 31 days - 29 days for depth
 " Dug - 559 hrs. 55 min = 23.33 days = 75.67
 " Lost - 184 - 05 - 7.67 = 24.74
 Avg. depth of bnk. - 40.7 ft.
 " Hgt. - 52.9 - 3.7
 Total - 93.6

Surface $\begin{array}{r} 2280 \\ 1659 \\ \hline 621 \end{array}$ $\begin{array}{r} 2905 \\ 2280 \\ \hline 625 \end{array}$ $623 \times 17.67 = 11,008$ Sq. Yds.

Bedrock $\begin{array}{r} 3435 \\ 2885 \\ \hline 550 \end{array}$ $\begin{array}{r} 3992 \\ 3435 \\ \hline 557 \end{array}$ $554 \times 17.67 = 9789$
 Avg. Area = $\begin{array}{r} 20797 \\ 2 \overline{) 10399} \end{array}$ Sq. Yds.

$10399 \times \frac{31.2}{3} = 324449$ Cu. Yds.

$\frac{324449}{31} = 10466$ Cu. Yds. per day elapsed time

$\frac{324449}{23.33} = 13907$ running

Pond Elev. 1424.8

Claims dredged - 29.30 Below Ben

Surface Area - 2.3 Acres

Avg. width - 375'

" Length - 270

$\begin{array}{r} 11,008 \\ 9 \\ \hline 99,072 \end{array}$

$\begin{array}{r} 9789 \\ 9 \\ \hline 88,101 \end{array}$

$\begin{array}{r} 10,399 \\ 9 \\ \hline 93,591 \end{array}$

Dredge # 4 August 1958.

Dredge Operated - 31 days
 " Dug - 642 Hrs. 40 min = 26.78 days = 86.38 %
 " Lost - 101 ✓ 20 ✓ = 4.22 ✓ = 13.62 %
 Avg. Hgt of bnt. - 34.5 ft.
 " Depth - 56.9 ✓
 Total - 91.4 ✓

4.0

Surface
 3082
 2157
 925 ✓

4005
 3082
 923 ✓

924 × 17.67 = 16,327 Sq. Yds.

Bedrock
 4770
 3967
 803 ✓

5578
 4770
 808 ✓

806 × 17.67 = 14,242 Sq. Yds.
 2) 30,569 ✓
 Avg. Area = 15,285 ✓ Sq. Yds.

15,285 × 91.4
 3 = 465,683 Cubic Yards

465,683
 31 = 15,022 Cubic Yards per day Elapsed time

465,683
 26.78 = 17,389 ✓ ✓ ✓ ✓ Running ✓

Pond Elev. - 1432.0
 Claims Dredged - 29 Below
 Surface Area - 3.4 Acres.
 Avg. Width - 350
 " Length - 420

16327
 9
 146943 ✓

14242
 9
 128,178 ✓

15285
 9
 137,565 ✓

Dredge No 4

September 1958

Dredge operated 30 days

✓ dug 628 hrs. 40 min = 26.19 days = 87.31 %

✓ lost 91 - 20 - = 3.81 - = 12.69 %

✓ Avg Hgt Bank = 23.3 Ft.

✓ Depth = 55.9 -

Total = 79.2 -

(4.0)

Surface

5275

4515

760

6120

5361

759

760 x 17.67 = 13,429 Sq. Yds

Bedrock

6813

6130

683

7816

7135

681

682 x 17.67 = 12,051 Sq. Yds.

2) 25,480

Avg. AREA 12,740 Sq. Yds

$$\frac{12,740 \times 79.2}{3} = 336,336 \text{ CUBIC YARDS}$$

$$\frac{336,336}{30} = 11,211 \text{ CUBIC YARD PER DAY ELAPSED TIME}$$

$$\frac{336,336}{26.19} = 12,842 \text{ L L L L RUNNING L}$$

Pond Elev - 1433.7
 Claims dredged - 28,29 BELOW
 Surface area - 2.77 ACRES
 Avg width - 350'
 Length - 345'

$$\begin{array}{r} 13429 \\ 9 \\ \hline 120861 \end{array}$$

$$\begin{array}{r} 12051 \\ 9 \\ \hline 108459 \end{array}$$

$$\begin{array}{r} 12740 \\ 9 \\ \hline 114660 \end{array}$$

DREDGE # 4

OCTOBER 1958

Shutdown Oct 23 - 10:00 AM

Dredge Operated 22 days

✓ Dug 461 hrs. 50 min = 19.24 days = 87.47%

✓ Lost 66 r 10 ✓ = 2.76 - = 12.53%

Avg. Hgt of Bank 26.5 ft.

✓ Depth 58.0 ✓

Total 84.5 ✓

Surface

0889

1388

0400

0889

489 ✓

499 ✓

494 × 17.67 =

8729 Sq. Yds.

Bedrock

1773

2220

1333

1773

440 ✓

447 ✓

444 × 17.67 =

7845 ✓

Sq. Yds.

2) 16574 ✓

Avg. Area = 8287 ✓

$$\frac{8287 \times 84.5}{3} = 233417 \text{ Cu. Yds.}$$

$$\frac{233417}{22} = 10610 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{233417}{19.24} = 12132 \text{ ✓ running ✓}$$

Pond Elev - 1435.1

Claims dredged - 28 Below

Surface Area - 1.8 Acres

Avg. Width - 310'

✓ Length - 250'

$$\begin{array}{r} 8729 \\ 9 \\ \hline 78561 \end{array} \checkmark$$

$$\begin{array}{r} 7845 \\ 9 \\ \hline 70605 \end{array} \checkmark$$

$$\begin{array}{r} 8287 \\ 9 \\ \hline 74583 \end{array} \checkmark$$

Dredge N^o 4 May 1959

Started May 5 5:30pm

Dredge Operated 27 days
 " Dug 559 hrs 15 min = 23.30 days = 86.30%
 " Lost 88 ✓ 45 ✓ = 3.70 ✓ = 13.70%
 Avg. Hgt of Bnk. = 10.2 Ft.
 " Depth = 56.3 "
 Total " = 66.5 ✓ " (2.7)

Surface 9752 10146
 9356 9752
 396 ✓ 394 ✓ 395 × 17.67 = 6,980 Sq Yards

Bedrock 0432 0768
 0094 0432
 338 ✓ 336 ✓ 337 × 17.67 = 5,955 Sq Yards

Avg. Area = $\frac{2 \times 12,935}{6,468}$ ✓ Sq Yards

2,156
 $\frac{6,468 \times 66.5}{8} = 143,374$ Cubic Yards

$\frac{143,374}{27} = 5,310$ Cubic Yards per day Elapsed time

$\frac{143,374}{23.3} = 6,153$ ✓ - - - Running ✓

Pond Elev - 1442.2
 Claims Dredged - 27 Below Bon.
 Surface Area - 1.44 acres
 Avg Width - 275'
 " Length - 240'

6,980
 9
 62,820 ✓

5,955
 9
 53,595 ✓

6,468
 9
 58,212 ✓

Dredge No 4 June 1959

Dredge Operated 30 days

✓ Dug 624 hrs. 50 mins. = 26.03 days = 86.78%

✓ Lost 95 ✓ 10 ✓ = 3.97 ✓ = 13.22%

Avg. Hgt of Bank = 17.4 ft.

✓ Depth = 57.9 ✓

Total ✓ = 75.3 ✓

(3.0)

Surface

10799

9878

921 ✓

1711

0799

912 ✓

917 × 17.67 = 16,204 Sq. Yds

Bedrock

2458

1681

777 ✓

3230

2458

772 ✓

775 × 17.67 = 13,694 ✓ Sq. Yds.

2) 29,898 ✓

Avg. Area = 14,949 ✓

$$14,949 \times \frac{25.1}{75.3} = 375,220 \text{ Cubic Yards.}$$

$$\frac{375,220}{30} = 12,507 \text{ Cubic yards per day Elapsed time}$$

$$\frac{375,220}{26.03} = 14,415 \text{ Running}$$

Pond Elev - 1442.2

Claims dredged - 26 27 B.B.

Surface Area - 3.35

Avg. Width - 325'

✓ Length - 450'

16,204

9

145,836 ✓

13,694

9

123,246 ✓

14,949

9

134,541 ✓

Dredge No 4

July 1959

Dredge operated 31 days

- dug 650 hrs 55 min = 27.12 days = 87.49 Cu. Yds.
 - lost 93 - 05 - = 3.88 - = 12.57 Cu. Yds.

Avg. Hat Bank = 25.9 ft.

Depth = 49.8 -

Total = 75.7 Cu. Yds. (2.2)

Surface $\frac{2189}{1320} \frac{3066}{2189} \frac{3940}{3066} \frac{874 \times 17.67}{874} = 15444 \text{ Sq. Yds.}$
 $\frac{869}{877} \frac{877}{874}$

Bedrock $\frac{7921}{7174} \frac{8682}{7921} \frac{9437}{8682} \frac{0190}{9437} \frac{754 \times 17.67}{754} = 13323$
 $\frac{747}{761} \frac{761}{755} \frac{7531}{7531}$
 $\frac{28767}{14384}$
 Avg. Area = 14384

$\frac{14384 \times 75.7}{3} = 362956 \text{ Cu. Yds.}$

$\frac{362956}{31} = 11708 \text{ Cu. Yds. per day elapsed time}$

$\frac{362956}{27.12} = 13383$ - running -

Pond Elev - 1449.8
 Claims dredged - 25.26 Bel. Bon.
 Surface area = 3.19 Acres
 Avg width = 280 ft.
 Length = 515 -

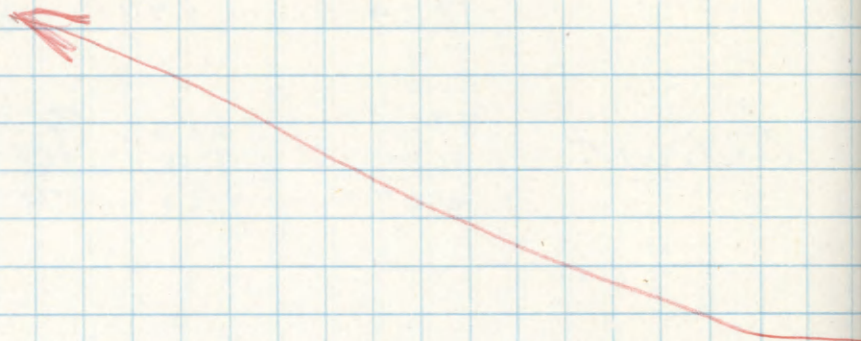
$\frac{15444}{9} \frac{13323}{9} \frac{14384}{9}$
 $\frac{138996}{119907} \frac{129456}{129456}$

Revised Calculation using overall depth of 30'

$$43989 \times 10^1 = 439890 \text{ CuYdr}$$

$$\frac{439890}{31} = 14190 \checkmark \text{ Cu. Yds. per day elapsed time}$$

$\frac{439890}{27.56} = 15961$ ✓ ✓ ✓ running ✓



Dredge No 4

August 1959

Dredge operated 31 days

$$\begin{aligned} &\text{dug } 661 \text{ hrs. } 20 \text{ min} = 27.56 \text{ days} = 86.89\% \\ &\text{lost } 8 \text{ hr } 40 \text{ min} = 3.44 \text{ days} = 11.11\% \end{aligned}$$

Avg Hgt Bank = 21.6 ft.

Depth = 18.3

Total = 39.9

①

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 2207 \\ 9606 \\ \hline 2567 \end{array} \quad \begin{array}{r} 4769 \\ 2207 \\ \hline 2567 \end{array} \quad \begin{array}{r} 4340 \\ 4769 \\ \hline 2571 \end{array} \quad 2569 \times 17.67 = 45394 \quad \text{Sq. Yds.} \end{array}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 9779 \\ 7368 \\ \hline 2411 \end{array} \quad \begin{array}{r} 2188 \\ 9779 \\ \hline 2405 \end{array} \quad 2410 \times 17.67 = 42584 \\ \hline 87978 \\ \text{Avg Area} = 43989 \end{array}$$

$$43989 \times \frac{39.9}{13.3} = 585054 \text{ Cu. Yds.}$$

$$\frac{585054}{31} = 18873 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{585054}{27.56} = 21228 \quad \text{running}$$

Pond Elev

Claims dredged - 19-20-21-22-23-25 Bel Ben

Surface area - 9.38 Acres

Avg width - 175 ft.

Length - 2170

$$\begin{array}{r} 45394 \\ 9 \\ \hline 408546 \end{array}$$

$$\begin{array}{r} 42584 \\ 9 \\ \hline 383256 \end{array}$$

$$\begin{array}{r} 43989 \\ 9 \\ \hline 395901 \end{array}$$

DREDGE # 4 SEPTEMBER 1959

DREDGE OPERATED 30 DAYS

✓ DUG 627 hrs 05 min = 26.13 days = 87.09 %
 ✓ LOST 92 ✓ 55 ✓ = 3.87 ✓ = 12.91 %
 AVG. HGT OF BANK - 13.2
 ✓ DEPTH - 44.6 (0.0)
 TOTAL ✓ - 57.8 ✓

SURFACE 5336 6472
 4195 5336
 1141 ✓ 1136 ✓ $1139 \times 17.67 = 20,126$ ✓ Sq Yds.

BEDROCK 7530 8502
 6558 7530
 972 ✓ 972 ✓ $972 \times 17.67 = 17,175$ ✓ Sq. Yds.
 $2 \overline{) 37,301}$ ✓
 18,651 ✓ Sq Yds.

6217
 $18,651 \times 57.8 = 359,343$ ✓ Cubic Yards
 -3

$\frac{359,343}{30} = 11,978$ ✓ Cubic Yards per day Elapsed time

$\frac{359,343}{26.13} = 13,752$ ✓ Running ✓

POND ELEV. - 1479.6
 CLAIMS DREDGED - 19, 18, BEL. BON.
 SURFACE AREA - 4.16 ACRES
 AVG. WIDTH - 200'
 ✓ LENGTH - 910'

$\frac{20,126}{9} = 2,236.22$ ✓
 $\frac{17,175}{9} = 1,908.33$ ✓
 $\frac{18,651}{9} = 2,072.33$ ✓

Dredge # 4 October 1959 Shut down Nov 1-8.00 AM

Dredge Operated 31 days - 29 days for depth

✓ Dug 576 hrs. 30 mins = 24.02 days = 77.49%

✓ Lost 167 ✓ 30 ✓ = 6.98 ✓ = 22.51%

Avg hgt of bank = ~~39 ft~~ 4.0 ft.

✓ Depth = ~~526~~ 56.3

Total ✓ = ~~565~~ 60.4

(3.7)

Surface 0335 1040
9621 0335
714 ✓ 705 ✓ $710 \times 17.67 = 12,546$ ✓ Sq Yds.

Bedrock 1648 2250
1042 1648
606 ✓ 602 ✓ $604 \times 17.67 = 10,673$ ✓ Sq Yds.

✓ 3870 60.4
11610 x 56.5 = ~~233748~~ Cu. Yds.
3

$\frac{10,673}{2} = 5,336.5$
23,219 ✓
11,610 ✓

$\frac{233748}{31} = 7540$
~~218655~~ 7053 Cu. Yds. per day elapsed time

$\frac{233748}{24.02} = 9731$
~~218655~~ 9103
24.02

running ✓

Pond Elev 1478.3

Claims dredged - 17, 18 Bel. Ben.

Surface Area 2.59 acres.

Avg width of cut 275'

✓ Length ✓ 400'

12,546 10,673 11,610
9 9 9
112,914 ✓ 96,057 ✓ 104,490 ✓

3340

DREDGE # 4 OCTOBER 21-31 1959

DREDGE OPERATED 10 days

✓ DUG 192 hrs 30 min = 8.02 days = 87.30 $\frac{2}{20}$
 ✓ LOST 47 $\frac{1}{2}$ 30 $\frac{1}{2}$ = 1.98 $\frac{1}{2}$ = 12.70 $\frac{2}{20}$

AVG. HGT OF BANK 3.0 ft.

✓ DEPTH 57.0

TOTAL ✓ 60.0

(5.0)

SURFACE

0941

1143

0741

0941

200 ✓

202 ✓

201 $\times$ 17.67 =

3552

Sq. Yds.

BEDROCK

1349

1525

1172

1349

177 ✓

176 ✓

177 $\times$ 17.67 =

3128

Sq. Yds.

2) 6680

AVG. AREA =

3340 ✓

Sq. Yds.

$$\frac{3340 \times 60.0}{3} = 66,800 \text{ CUBIC YARDS.}$$

$$\frac{66,800}{10} = 6,680 \text{ CUBIC YARDS PER DAY ELAPSED TIME}$$

$$\frac{66,800}{8.02} = 8,329 \text{ RUNNING TIME}$$

THE YUKON CONSOLIDATED GOLD CORPORATION, LIMITED

INTER - OFFICE MEMO.

To: MR. A. BAIRD

Date, NOV 17 1952

From: ENG. DEPT

Subject: ERIC FAR ESTATE

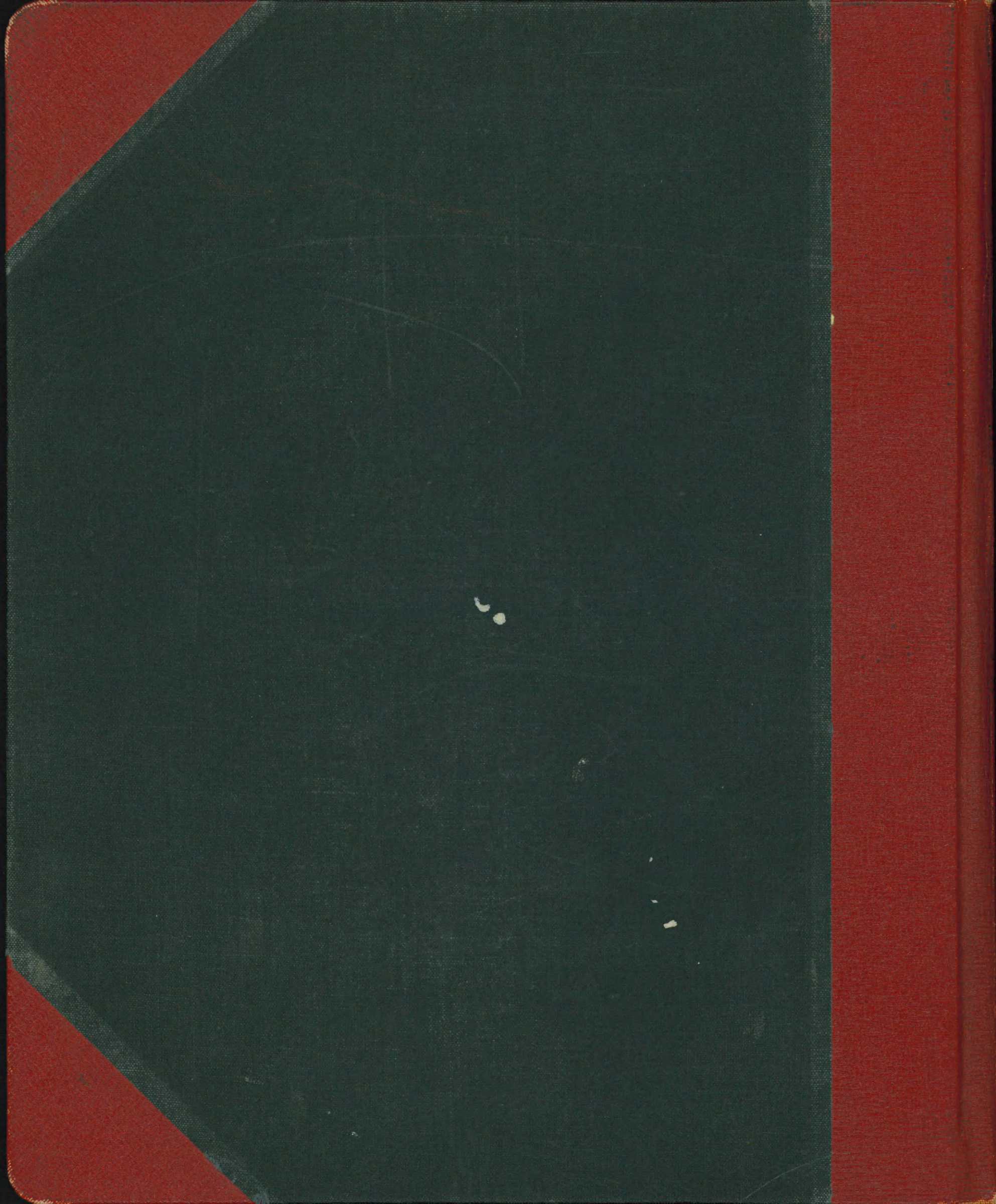
THE FOLLOWING IS THE YARDAGE DREDGED IN
CLAIMS #49 AND #50 BELOW DISCOVERY BELONGING
TO THE ERIC FAR ESTATE.

SEPTEMBER	-	135,712	CU. YDS
OCTOBER	-	154,116	✓ ✓
NOVEMBER	-	67,172	✓ ✓

TOTAL = 357,000 CU. YDS.

THE DREDGING OF THESE CLAIMS WERE COMPLETED NOV. 15TH.

G. G. Barnett





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