

Dredge No 10



MADE IN



THE CANADIAN LINE

THIS BOOK IS

SERIES No. 1230

SIZE 12¼ x 10 INCHES

MADE IN THE FOLLOWING RULINGS

2 COLUMNS TO RIGHT

3	"	"
4	"	"
5	"	"
6	"	"
7	"	"
8	"	"
10	"	"
12	"	"
14	"	"
16	"	"
18	"	"
20	"	"

FEINT

→ QUADRILLE

MADE ONLY IN 150 PAGE THICKNESS

TO OBTAIN A DUPLICATE OF THIS BOOK

ORDER NO. 1230

SPECIFYING RULING AND THICKNESS

Dredge No 10

100' x 50' - 7 1/2" x 9' Deep

Thay N/O

Block # 130. Remainder

= 24618 Cu Yds

$$\frac{1}{17.1} \times 132 - 80 \times 240 \times 17.1 = 42560$$

Total = 67178

Strip N/O

X² 321-322 - Remainder

= 2035 Cu Yds.

322-323 - ✓

= 7907 ✓

323-324 - $\frac{1}{2}$ ✓

= 7475 ✓

324-325 - $\frac{1}{3}$ ✓

= 8610 ✓

325-326 - $\frac{1}{3}$ ✓

= 6520 ✓

326-327 - $\frac{1}{9}$ ✓

= 1796 ✓

Total = 34343 ✓

Dredge N^o 10 - April 1961

Started Apr. 28 - 8:00 AM Bailing Ice - No Yardage

Dredge N^o 10 - May 1961

Dredge operated 31 days

✓ dug 689 hrs. 0 min = 28.71 days = 97.61 To

✓ lost 11' - 0' = 2.29 - = 7.39 To

Avg. Hgt Bank = 1.5 ft.

✓ Depth = 14.7

Total = 16.2

(14.4)

Surface

2346

3004

1679

2346

667 ✓

658 ✓

AVG = 663 × 17.67 = 11,715

Sq. Yds.

Bedrock

3640

4288

2993

3640

647 ✓

648 ✓

AVG = 648 × 17.67 =

11,450

Sq. Yds.

2 23,165

11,583 × $\frac{5.4}{16.2}$ = 62,548 ✓ Cubic Yards

AVG 11,583 ✓

$\frac{62,548}{31}$ = 2,018 ✓ Cubic Yards per day Elapsed time

$\frac{62,548}{28.71}$ = 2,179 ✓ Running ✓

Pond Elev - 1815.3

Claims dredged - 125, 126 B.L.D.

Surface Area - 2.42 ACRES. ✓

Avg width - 190

Length - 560

$\frac{11,715}{9}$
105,435 ✓

$\frac{11,450}{9}$
103,050 ✓

$\frac{11,583}{9}$
104,247 ✓

Thaw N/O

$$\text{Block \#134} - \frac{(170 \times 100 \times 16.6)}{27} = 1044 \text{ Cu. Yds.}$$

$$\text{Block \#136} - \frac{5330}{998} \frac{6335}{1005} \frac{1002 \times 17.67 \times 17.1}{5.89} = 100924 \checkmark$$

$$\text{Block \#137} - \frac{7216}{141} \frac{7363}{147} \frac{149 \times 17.67 \times 16.9}{5.89} = 14838 \checkmark$$

$$\text{Block \#132} - \frac{80 \times 185 \times 17.1}{27} = 9373 \checkmark$$

$$\text{Total} = 126180 \checkmark$$

Strip N/O

$$\text{X2 326} - 327 - \frac{1}{3} \text{ Remainder} = 4790 \text{ Cu Yds}$$

$$327 - 328 - \frac{1}{3} \checkmark = 7941 \checkmark$$

$$328 - 329 - \frac{1}{3} \checkmark = 8618 \checkmark$$

$$329 - 330 - \frac{1}{3} \checkmark = 8275 \checkmark$$

$$330 - 331 - \frac{2}{3} \checkmark = 16118 \checkmark$$

$$331 - 332 - \frac{2}{3} \checkmark = 13918 \checkmark$$

$$332 - 333 - \frac{2}{3} \checkmark = 11638 \checkmark$$

$$333 - 334 - \frac{1}{2} \checkmark = 7686 \checkmark$$

$$\text{Total} = 78984 \checkmark$$

Dredge N-10

June 1961

Dredge operated 30 days

✓ Aug 670 hrs. 50 min = 27.9 days = 93.17 %

✓ lost 49 - 10 - = 3.9 - = 6.83 %

Arg. Hot Bank = 1.4 ft.

Depth = 16.4

Total = 17.8 ✓

(5.0)

Surface -
$$\begin{array}{r} 2572 \\ - 1232 \\ \hline 1340 \end{array} \quad \begin{array}{r} 391 \\ - 2572 \\ \hline 1843 \end{array} \quad 1842 \times 17.67 = 23.713 \text{ Sq Yds.}$$

Bedrock -
$$\begin{array}{r} 5183 \\ - 3940 \\ \hline 1243 \end{array} \quad \begin{array}{r} 6464 \\ - 5222 \\ \hline 1242 \end{array} \quad 1243 \times 17.67 = 21.964$$

$$\begin{array}{r} 21.964 \\ + 21.964 \\ \hline 43.928 \end{array}$$

$$22.839 \times \frac{17.8}{3} = 135,511 \text{ cu. Yds.}$$

Aug. Area. 22.839 ✓

$$\frac{135,511}{30} = 4517 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{135,511}{27.95} = 4848 \text{ running}$$

- Pond Elev. - 1812.4
- Claims dredged - 176-127 BLD.
- Surface Area - 4.90 Acres
- Arg width - 200 ft.
- Length - 1200 -

$$\begin{array}{r} 23713 \\ 9 \\ \hline 213417 \end{array} \quad \begin{array}{r} 21964 \\ 9 \\ \hline 197676 \end{array} \quad \begin{array}{r} 22839 \\ 9 \\ \hline 205551 \end{array}$$

Tham W/O

Block #132	-	Remainder	= 28918 Culls
- #133	-	✓	= 50968 ✓
- #134	-	✓	= 26068 ✓
- #135	-	✓	= 39925 ✓
✓ #136	-	$\frac{410 \times 95 \times 17.1}{27}$	<u>= 24668 ✓</u>
Total			= 170547 ✓

Strip W/O

#2 3-3-24	-	Remainder	= 7474 Culls
24-25	-	✓	= 12918 ✓
25-26	-	✓	= 13041 ✓
26-27	-	✓	= 9580 ✓
27-28	-	✓	= 15881 ✓
28-29	-	✓	= 17237 ✓
29-30	-	✓	= 16551 ✓
30-31	-	✓	= 8059 ✓
32-33	-	✓	<u>= 7907 ✓</u>
Total			= 108648 ✓

Dredge No. 10

July 1961

Dredge operated 31 days

✓ dug 683 hrs. 45 min = 28.49 days = 91.90%

✓ lost 60 " " = 2.51 " = 8.10%

Avg Net Bank = 3.4 ft.

✓ Depth = 16.4 "

Total = 19.8 "

(5.0)

Surface

2068	8075
- 0943	- 6446
1625 ✓	1629 ✓

✓ 1627 x 17.67 = 28,749 Sq. Yds.

Bedrock

2039	3691
- 0433	- 2081
1606 ✓	1610 ✓

✓ 1608 x 17.67 = 28,413 Sq. Yds.

2 257,162 ✓

Avg. Area = 28,581 ✓

✓ 28,581 x $\frac{6.6}{3} \times \frac{19.8}{3}$ = 188,635 Cu. Yds

188,635
31

✓ 6,085 Cu. Yds. per day elapsed time.

188,635
28.49

✓ 6,621 Cu. Yds. per day running time.

Pond Elev. 1814.8

Claims dredged - 125-126-127 BLD

Surface Area - 5.94 Acres

✓ Avg width - 195 Ft.

✓ Length - 1300 "

✓ 8749
9

✓ 8413
9

✓ 8581
9

258741

255717

257229

than W/O

Block #136 - Remainder

= 14086 Cyls

- #137 -

= 106104 ✓

Total 130190 ✓

Strip W/Ox² 331-332 - Remainder

= 6960 Cyls

332 - 333 - ✓

= 5821 ✓

333 - 334 - ✓

= 7685 ✓

334 - 335 - ✓

= 14019 -

335 - 336 - ✓

= 15085 -

336 - 337 - ✓

= 13871 ✓

337 - 338 - ✓

= 11896 ✓

Total = 75337 ✓

Dredge No 10.

Aug. 1961.

Dredge operated - 31 days - 25 Days for depth

✓ dug 156 hrs. 15 min = 23.18 days = 74.76%

✓ lost 187 - 45 - = 7.82 - = 25.24%

Avg. Net Depth = 1.5 Ft.

✓ Depth = 16.0 -

Total - = 17.5 -

(5.0)

Surface

3237	4802
-1732	-3295
1505	1507

1506 x 17.67 = 26,611 Sq Yds

Bedrock

6306	7827
-4821	-6343
1485	1484

1485 x 17.67 = 26,240 Sq Yds
2 152,851

Avg. Area.

26,426 Sq Yds

26,426 x $\frac{5.833}{3} = 154,143$ cu. Yds

$\frac{154143}{31} = 4972$ Cu. Yds. per day cleared time

$\frac{154143}{23.18} = 6650$ - running -

Pond Elev.

- 1813.0

Claims dredged

- 126-127-128 BLD Dam.

Surface Area

- 5.50 Acres

Avg width

- 270 Ft.

Length

- 1000 -

26611	26240	26426
9	9	9
239499	236160	237834

Tham W/O

Block #138 - Remainder

= 117213 Cu Yds

Block #139 - $440 \times 230 \times 17.3$
17.3

= 64842

Total

182055

Strip W/O

338 - 339 - Remainder

= 11933 Cu Yds

339 - 340

= 11552

340 - 341

= 11718

341 - 342

= 11808

342 - 343

= 13696

343 - 344

= 13696

344 - 345

= 12755

Total = 86658

Dredge No 10

Sept 1961

Dredge operated 30 days

Avg 671 hrs. 15 min = 27.97 days = 93.83%

lost 48 - hrs = 2.08 = 6.77%

Avg Net 8 ft = 0.0 ft

Depth = 20.6 -

Total = 20.6 -

(5.0)

Surface

$$\begin{array}{r} 3552 \\ - 1772 \\ \hline 1780 \end{array} \quad \begin{array}{r} 6515 \\ - 4731 \\ \hline 1784 \end{array}$$

$$1782 \times 17.67 = 31,488 \text{ Sq. Yds}$$

Bedrock

$$\begin{array}{r} 10,038 \\ - 8,331 \\ \hline 1707 \end{array} \quad \begin{array}{r} 1760 \\ - 56 \\ \hline 1704 \end{array}$$

$$1706 \times 17.67 = 30,145$$

$$261,633$$

$$\text{Avg. Area.} \quad 30,817 \text{ Sq. Yds}$$

$$\frac{10,272}{30,817} \times \frac{20.6}{3} = 211,603 \text{ Cu. Yds.}$$

$$\frac{211,603}{30} = 7,053 \text{ Cu. Yds per day elapsed time}$$

$$\frac{211,603}{27.97} = 7,565 \text{ Cu. Yds - running}$$

$$\text{Minus 2' water Depth} - 30817 \times \frac{6.7}{3} = 19106 \text{ Cu. Yds.}$$

$$\frac{19106}{30} = 6369 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{19106}{27.97} = 6831 \text{ - running -}$$

$$\text{Pond Elev} - 1812.8$$

$$\text{Claims dredged} - 128-129 \text{ BLD}$$

$$\text{Surface Area} - 6.51 \text{ Acres}$$

$$\text{Avg width} - 38 \text{ ft.}$$

$$\text{Length} - 710$$

$$\begin{array}{r} 31488 \\ 9 \\ \hline 283392 \end{array} \quad \begin{array}{r} 30145 \\ 9 \\ \hline 271305 \end{array} \quad \begin{array}{r} 30817 \\ 9 \\ \hline 277353 \end{array}$$

Thaw W/O

$$\text{Block \# 139} - 736 \times 1767 \times \frac{17.3}{3} = 74996 \text{ Cn Wds}$$

$$\checkmark \text{ \# 140} - 495 \times 209 \times 17.9 = 68587 \quad \checkmark$$

$$\checkmark \text{ \# 141} - \left(\frac{235 \times 100 + 120 \times 75}{7} \right) \times 1.1 = 33681 \quad \checkmark$$

$$\text{Total} = 177264 \quad \checkmark$$

Strip W/O

$$\checkmark \text{ \# 345-346} - \text{Remainder} = 13312 \text{ Cn Wds}$$

$$346 - 347 - \quad \quad = 10470 -$$

$$347 - 348 - 57\% \quad \quad = 8124 \quad \checkmark$$

$$348 - 349 - 1\% \quad \quad = 6448 \quad \checkmark$$

$$349 - 350 - 7\% \quad \quad = 4900 -$$

$$350 - 351 - 7\% \quad \quad = 5184 \quad \checkmark$$

$$351 - 352 - 7\% \quad \quad = 5770 \quad \checkmark$$

$$352 - 353 - 7\% \quad \quad = 5830 \quad \checkmark$$

$$353 - 354 - 7\% \quad \quad = 5512 \quad \checkmark$$

$$\text{Total} = 69550$$

Dredge No 10

Oct. 1961.

Dredge operated 31 days

✓ log 680 hrs 10 min = 28.34 days = 91.42%
 ✓ last 63 - 50 = 2.66 = 8.58%

Avg Light Bank = 1.0 ft.

✓ Depth 16.5

Total ✓ 17.5

(5.0)

$$\begin{array}{r} \text{Surface: } - \frac{5849}{9143} \\ \hline 1706 \end{array} \quad \begin{array}{r} 2068 \\ - 0360 \\ \hline 1708 \end{array}$$

$$1707 \times 17.67 = 30,163 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock: } - \frac{1763}{0132} \\ \hline 1631 \end{array} \quad \begin{array}{r} 3711 \\ - 2076 \\ \hline 1635 \end{array}$$

$$1633 \times 17.67 = 28,855$$

$$2 \text{ } 59,018$$

Avg Area. 29,509

$$\frac{29,509}{3} \times 17.5 = 172,130 \text{ Cu. Yds.}$$

$$\frac{172,130}{31} = 5.552 \text{ Cu. Yds per day elapsed time}$$

$$\frac{172,130}{28.34} = 6.074 \text{ Cu. } \checkmark \checkmark \checkmark \text{ running } \checkmark$$

Pond Area
 Claims dredged - 130-131 BLD Dam.
 Surface Area - 6.23 Acres
 Avg width - 220 ft.
 Length - 1160 ✓

$$\begin{array}{r} 30163 \\ \hline 9 \\ \hline 271467 \end{array} \quad \begin{array}{r} 28855 \\ \hline 9 \\ \hline 259695 \end{array} \quad \begin{array}{r} 29509 \\ \hline 9 \\ \hline 265581 \end{array}$$

Thaw w/o

Black #141
21.1

$$= 1361 \times \frac{21.1}{3}$$

$$= 9572 \text{ Cu Yds.}$$

Strip w/o

x3 354-355

1/5 Remainder

$$= 2792 \text{ Cu Yds.}$$

Dredge No 10

November 1961
Shut down for season Nov. 5 - 4:00 pm

Dredge operated 4 days

- dug 44 hrs. 50 min = 1.87 days = 46.7070
lost 51 - 10 = 2.13 = 53.3070

Avg Hgt Bank = 1.0 Ft.

Depth = 16.0 -

Total = 17.0 -

(5.0)

$$\text{Surface} - \frac{4348}{4471} \quad \frac{4456}{4348} \quad 77 \times 17.67 = 1361 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{4497}{4422} \quad \frac{4570}{4492} \quad 74 \times 17.67 = 1307$$

$$\text{Avg Area} = 1334$$

$$\frac{1334 \times 17.0}{3} = 7559 \text{ Cu. Yds}$$

$$\frac{7559}{4} = 1890 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{7559}{1.87} = 4042 \text{ - running -}$$

Pond Elev

Claims dredged 131 BLD Dam.

Surface Area - 0.28 Acres

Avg Width - 70 Ft.

Length - 50 -

$$\begin{array}{r} 1361 \\ 9 \\ \hline 12249 \end{array} \quad \begin{array}{r} 1307 \\ 9 \\ \hline 11763 \end{array} \quad \begin{array}{r} 1334 \\ 9 \\ \hline 12006 \end{array}$$

Thaw W/O

$$\text{Block \#141} - \frac{285 \times 285 \times 21.1}{21.1} = 63475 \text{ Cu Yds.}$$

$$\text{Block \#142} - \frac{275 \times 350 \times 21.1}{21.1} = 75217$$

$$\text{Total} = 138692$$

Strip W/O

$$\text{X}^2 \text{ 354} - 355 - \frac{1}{6} \text{ Remainder} = 1861 \text{ Cu Yds.}$$

$$355 - 356 - \frac{1}{2} = 3157$$

$$356 - 357 - \frac{1}{2} = 8378$$

$$357 - 358 - \frac{1}{2} = 9924$$

$$358 - 359 - \frac{1}{5} = 8070$$

$$359 - 360 - \frac{1}{4} = 8138$$

$$360 - 361 - \frac{1}{7} = 2781$$

$$\text{Total} = 47309$$

Dredge No 10. May 1967
Started May 2 - 9:00 AM

17

Dredge operated 30 days - 29 days for depth.
 ✓ dup 624 hrs. - 40 min. = 26.03 days = 86.76%
 ✓ lost 95 ✓ 20 ✓ = 3.97 ✓ = 13.24%
 Avg. Hgt Bank = 1.9 ft.
 ✓ Depth = 18.2 ✓
 Total ✓ = 20.1 ✓ (6.0)

Surface: 1749 2854
 - 0680 - 1781
 1069 ✓ 1073 ✓
 1071 x 17.67 = 18,925 Sq. Yards

Bedrock: 3867 4876
 - 2865 - 3876
 1002 ✓ 1000 ✓
 1001 x 17.67 = 17,688 ✓
 2 136,613 ✓

✓ 18,307 x $\frac{6.7}{3}$ = 122,656 Cu Yards
 Avg. Area: 18,307 Sq. Yards

$\frac{122,656}{30}$ = 4089 Cu. Yards per day elapsed time.

$\frac{122,656}{26.03}$ = 4712 Cu Yards running ✓

Pond elev. 1002.0
 Claims dredged 131 A - 132
 Surface area 3.91 Acres
 Avg width 305'
 ✓ length. ✓ 60'

18925 17688 18307
 9 9 9
 170325 159192 164763

Tham N/O

$$\text{Block \#141} - \frac{210 \times 112 \times 21.1}{21.1} = 69747 \text{ Cuyds}$$

$$\text{Block \#142} - \frac{\frac{4754}{4070} \times \frac{5240}{4754} \times 685 \times 159.05 \times 21.1}{684 \times 686} = 85142 \quad \checkmark$$

$$\text{Block \#143} - \frac{25 \times 25 \times 21.7}{21.7} = 2431 \quad \checkmark$$

$$\text{Block \#144} - \frac{80 \times 160 \times 20.2}{20.2} = 9576 \quad \checkmark$$

$$\text{Total} = 166896 \quad \checkmark$$

Strip N/O

$$\text{X2 353-354} - \frac{1}{2} \text{ Remainder} = 4135 \text{ Cuyds}$$

$$354-355 - \frac{1}{4} = 7444 \quad \checkmark$$

$$355-356 - \frac{3}{4} = 2368 \quad \checkmark$$

$$356-357 - \frac{2}{3} = 5586 \quad \checkmark$$

$$357-358 - \frac{1}{2} = 4962 \quad \checkmark$$

$$358-359 - \frac{1}{2} = 6052 \quad \checkmark$$

$$359-360 - \frac{2}{5} = 4884 \quad \checkmark$$

$$360-361 - \frac{2}{3} = 11124 \quad \checkmark$$

$$361-362 - \frac{3}{5} = 10161 \quad \checkmark$$

$$\text{Total} = 56716 \quad \checkmark$$

Dredge No 10. June 1962.

Dredge operated 30 days

✓ dug 658 hrs 45 min = 27.45 days = 91.49 %
 ✓ lost 61 ✓ 15 ✓ = 2.55 ✓ = 8.51 %

Aug Hgt Bank = 2.2 ft.

✓ Depth = 18.9 -

Total ✓ = 21.1 ✓

(6.0)

$$\begin{array}{r} \text{Surface} \\ 8408 \\ - 6975 \\ \hline 1433 \end{array}$$

$$\begin{array}{r} 9873 \\ - 8946 \\ \hline 1927 \end{array}$$

$$1430 \times 17.67 = 25,268 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \\ 1473 \\ - 73 \\ \hline 1400 \end{array}$$

$$\begin{array}{r} 2966 \\ - 1562 \\ \hline 1404 \end{array}$$

$$1402 \times 17.67 = 24,773 \text{ ✓}$$

$$2 \text{ } 50,041 \text{ ✓}$$

$$\text{Avg. Area} = 25,021 \text{ Sq. Yds.}$$

$$25021 \times \frac{21.1}{3} = 175981 \text{ Cu. Yds}$$

$$\frac{175981}{30} = 5866 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{175981}{27.45} = 6411 \text{ ✓}$$

running ✓

Pond Elev - 1805.7
 Claims dredged - 131-131A-132 134D
 Surface Area - 5.22 Acres
 Avg width - 200 ft
 Length - 1190'

$$\begin{array}{r} 25268 \\ 9 \\ \hline 227412 \end{array}$$

$$\begin{array}{r} 24773 \\ 9 \\ \hline 222957 \end{array}$$

$$\begin{array}{r} 25021 \\ 9 \\ \hline 225189 \end{array}$$

Tham N/o

Block #139 - Remainder

= 1088 Cuyds

- #140 - ✓

= 81546 -

- #141 - ✓

= 45736 -

- #142 - ✓

= 12267 -

Total = 140637 ✓

Strip N/o

X2 347-348 - Remainder

= 6128 Cuyds

348 - 349 - ✓

= 6448 -

349 - 350 - ✓

= 7352 -

350 - 351 - ✓

= 7778 -

351 - 352 - ✓

= 8652 -

352 - 353 - ✓

= 8744 -

353 - 354 - ✓

= 4132 -

354 - 355 - ✓

= 1862 -

355 - 356 - ✓

= 790 -

356 - 357 - ✓

= 2792 -

357 - 358 - ✓

= 4962 -

Total = 59646 -

Dredge No 10

July 1962

Dredge operated 31 days

✓ dug 687 hrs. 05 min = 28.63 days = 92.35 %

✓ lost 56 ✓ 55 ✓ = 2.37 = 7.65 %

Hgt of Bank - 1.7 Ft

Avg depth - 20.5 -

Total - 22.2 -

(5.4)

Surface

$$\begin{array}{r} 1588 \quad 7822 \\ - 93 \quad - 6323 \\ \hline 1495 \quad 1499 \end{array}$$

$$1497 \times 17.67 = 26,452 \text{ Sq. Yards}$$

Bedrock

$$\begin{array}{r} 6280 \quad 8725 \\ - 4763 \quad - 7212 \\ \hline 1517 \quad 1513 \end{array}$$

$$1515 \times 17.67 = 26,770 \quad \checkmark$$

$$2 \quad \checkmark \quad 53,222 \quad \checkmark$$

Avg. Area 26,611 ✓ Sq. Yards.

$$26,611 \times \frac{7.4 \quad 22.2}{3} = 196,921 \quad \checkmark \text{ Cu. Yards.}$$

$$\frac{196,921}{31} = 6352 \quad \checkmark \text{ Cu Yards per day elapsed time}$$

$$\frac{196,921}{28.63} = 6878 \quad \checkmark \quad \checkmark \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev - 1802.4
 Claims dredged - 130-131-131 A
 Surface area - 5.47 Acres
 Avg width - 150 Ft
 length - 1720 -

$$\begin{array}{r} 26452 \\ 9 \\ \hline 238068 \end{array} \quad \begin{array}{r} 26770 \\ 9 \\ \hline 240930 \end{array} \quad \begin{array}{r} 26611 \\ 9 \\ \hline 239499 \end{array}$$

Tham W/O

Block #143 - Remainder

= 36508 Cu.Yds.

- H. 144 - ✓

= 52620 ✓

- H. 145 - $150 \times 38.0 \times 20.0$
20.0

= 42222 ✓

Total

= 131350 ✓

Strip W/O

358-359 - Remainder

= 6052 Cu.Yds.

359-360 ✓

= 7326 ✓

360-361 ✓

= 5561 ✓

361-362 ✓

= 6772 ✓

362-363 ✓

= 7863 ✓

366-367 ✓

= 4389 ✓

367-368 ✓

= 7893 ✓

368-369 ✓

= 6948 ✓

369-370 ✓

= 5918 ✓

370-371 ✓

= 5566 ✓

Total = 64288 ✓

Dredge No: 10

Aug 1962

Dredge operated 31 days

Dug 676 hrs. 40 min = 28.19 days = 90.95

lost 67 - 20 - = 2.81 - = 9.0125

Avg Hgt Bank = 2.4 FT

Depth = 20.4 -

Total = 22.8 -

(4.5)

$$\text{Surface} - \begin{array}{r} 9550 \\ 8140 \\ \hline 1410 \end{array} \quad \begin{array}{r} 0943 \\ 9550 \\ \hline 1393 \end{array} \quad 14014 \times 17.67 = 24756 \text{ Sq Yds}$$

$$\text{Bedrock} - \begin{array}{r} 2253 \\ 0939 \\ \hline 1314 \end{array} \quad \begin{array}{r} 3573 \\ 2253 \\ \hline 1320 \end{array} \quad 1317 \times 17.67 = 23271$$

$$\text{Avg Area} = \frac{24756 + 23271}{2} = 24014$$

$$24014 \times \frac{22.8}{3} = 182506 \text{ Cu Yds}$$

$$\frac{182506}{31} = 5887 \text{ Cu Yds per day elapsed time}$$

$$\frac{182506}{28.19} = 6474 \text{ - running -}$$

Pond Elev - 1800.5
 Claims dredged - 131A-133-134 BLD
 Surface area - 5.11 Acres.
 Avg width - 265 FT.
 Length - 720

$$\begin{array}{r} 24756 \\ 9 \\ \hline 222804 \end{array} \quad \begin{array}{r} 23271 \\ 9 \\ \hline 209439 \end{array} \quad \begin{array}{r} 24014 \\ 9 \\ \hline 216126 \end{array}$$

Thaw W/O

Block #144 - Remainder = 23111 CYS.

- H146 - ✓ = 51478 -

- H147 - 4/5 - = 35640 -

Total = 110229 -

Strip W/O

X2 373 - 374 - Remainder = 7196 CYS

374 - 375 - ✓ = 9278 -

375 - 376 - ✓ = 6745 -

376 - 377 - ✓ = 6304 -

377 - 378 - ✓ = 7863 -

378 - 379 - ✓ = 7615 -

379 - 380 - ✓ = 6615 -

380 - 381 - ✓ = 6274 -

381 - 382 - ✓ = 5711 -

382 - 383 - ✓ = 5126 -

371 - 372 - ✓ = 5982 ✓

372 - 373 - ✓ = 5008 -

383 - 384 - ✓

Total

80637	✓
5300	✓
85937	

Dr. #10

Sept 1962

Dredge operated 30 days

Dug 661 hrs. 40 min. = 27.57 days = 91.90 %
 Lost 58 - 20 = 2.43 - 8.10 %

Avg Nat Bank = 1.5 ft.

Depth = 18.0

Total = 19.5

(5.0)

minus

17.5

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 2477 \\ - 0700 \\ \hline 1777 \end{array} \quad \begin{array}{r} 4238 \\ - 2477 \\ \hline 1761 \end{array} \quad \begin{array}{r} 5971 \\ - 4238 \\ \hline 1733 \end{array} \quad \begin{array}{r} 7726 \\ - 5971 \\ \hline 1755 \end{array} \end{array}$$

$$1758 \times 17.67 = 31064 \text{ cu yds}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 9403 \\ - 7749 \\ \hline 1654 \end{array} \quad \begin{array}{r} 1050 \\ - 9403 \\ \hline 1647 \end{array} \end{array}$$

$$1651 \times 17.67 = 29173$$

$$2 \overline{) 60237} = 30119$$

$$\text{Avg Area} = 30119$$

$$30119 \times \frac{6.5}{19.5} = 195774 \text{ Cu Yds}$$

$$\frac{195774}{30} = 6526 \text{ Cu Yds. per day elapsed time}$$

$$\frac{195774}{27.57} = 7101 \text{ running}$$

Using 17.5' depth

$$\frac{30119 \times 17.5}{3} = 175694 \text{ Cu Yds}$$

$$\frac{175694}{30} = 5856 \text{ Cu Yds. per day elapsed time}$$

$$\frac{175694}{27.57} = 6373 \text{ running time}$$

Pond Eler - 1790.5
 Claims dredged - 184 - 135 - 136 BLD
 Surface area - 6.42 Acres
 Avg width - 215 Ft.
 Length - 128.0

$$\begin{array}{r} 31064 \\ 9 \\ \hline 279576 \end{array} \quad \begin{array}{r} 29173 \\ 9 \\ \hline 262557 \end{array} \quad \begin{array}{r} 30119 \\ 9 \\ \hline 271071 \end{array}$$

Thaw W/O

Block #147 - Remainder = 8910 Cuyds

- #148 - - = 31712 -

- #149 - - = 59603 -

- #150 - 2/3 - = 39676 -

Total = 139901 -

Strip W/O

X# 384 to 399 incl = Remainder = 73644 Cuyds

Dredge No 10

October 1962

Dredge operated 31 days

✓ dug out hrs 10 min = 8.84 days = 93.03 ft
 ✓ lost ft - 50 - = 2.16 - = 6.97 ft

Avg Hat Bank = -

✓ Depth = 17.1 ft

Total ✓ = 17.1 -

(5.6)

Surface

2269	6421
- 235	- 4392
2034 ✓	2029 ✓

2031 x 17.67 = 35,888 Sq. Yards.

Bedrock

8339	9768
- 6459	- 7890
1880 ✓	1878 ✓

1879 x 17.67 = 33,202 ✓

2 / 69,090 ✓

Avg. Area = 34,545 Sq. Yards

$$\frac{34,545 \times 5.7}{3} = 196,907 \text{ Cu. Yards.}$$

$$\frac{196,907}{31} = 6352 \text{ Cu. Yards. per day Elapsed time}$$

$$\frac{196,907}{28.84} = 6828 \text{ running.}$$

Reduce Total depth by 2.7 ft = 14.4 ft

$$\frac{34,545 \times 4.8}{3} = 165,816 \text{ Cu Yds}$$

$$\frac{165,816}{31} = 5349 \text{ CY Elapsed}$$

$$\frac{165,816}{28.84} = 17,50 \text{ CY running time}$$

Pond Elev

Claims dredged - 137-138-139-140 BLD.

Surface area - 7.41 Acres

Avg width - 200 ft

Length - 1150 -

35888	33202	34545
9	9	9
322992	298818	310905

Thaw w/o

Block #150 - Remainder

= 19837 Cu Yds

✓ # 151 - ✓

= 59304 -

✓ # 152 - $\frac{1}{4}$ -

= 16563 -

Total

= 95704

Strip w/o

400-401 - Remainder

= 5609 Cu Yds

401 - 402 - ✓

= 6498

402 - 403 - ✓

= 6156

403 - 404 - ✓

= 6169

404 - 405 - ✓

= 6168

405 - 406 - ✓

= 7098

406 - 407 - ✓

= 8687

407 - 408 - ✓

= 8687

408 - 409 - ✓

= 9454

409 - 410 - $\frac{1}{2}$ - ✓

= 5712

399 - 400 - ✓

= 5698

Total = 76336

Dredge No 10

November 1962
Shut down for season Nov 22 - 1:00 pm

Dredge operated 21 days

- Aug 473 hrs 18 min = 19.72 days = 93.90 Cu

- lost 30 - 41 - = 1.28 - = 6.10 Cu

Avg. Wet Bank = 0.7 ft.

- Depth = 17.7

Total - = 18.4 - 2.4 = 16.0 ft

$$\text{Surface} - \frac{9953}{8753} \quad \frac{1146}{9953} \quad 1197 \times 17.67 = 21157 \text{ Sq. Yds}$$

$$\text{Bedrock} - \frac{2253}{1136} \quad \frac{3384}{2253} \quad \frac{4403}{3384} \quad 1118 \times 17.67 = \frac{19757}{40906}$$

$$\text{Avg Area} = 20453$$

$$\frac{20453 \times 16.0}{3} = 10908 \text{ Cu. Yds}$$

$$\frac{10908}{21} = 5194 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{10908}{19.72} = 5531 \text{ - running -}$$

Pond Elev - Ice

Claims dredged - 140-141-142 B.L.R.

Surface area - 4.37 Acres ✓

Avg width - 200 ft.

- Length - 940 -

$$\begin{array}{r} 21157 \\ 9 \\ \hline 190359 \end{array} \quad \begin{array}{r} 19757 \\ 9 \\ \hline 177795 \end{array} \quad \begin{array}{r} 20453 \\ 9 \\ \hline 184077 \end{array}$$

Thaw W/O

Block #102 - Remainder

= 49720 Cu Yds.

- #103 - 1/2

= 48974 -

Total

= 98694 ✓

Strip W/OX² 409-410 - Remainder

= 5712 Cu Yds

410 - 411

= 13868 ✓

411 - 412

= 14931 -

412 - 413

= 18116 -

413 - 414

= 12277 ✓

414 - 415

= 13507 -

Total

= 78911 ✓

Dredge N: 10

May 1963

Started May 1 - 9:00 AM.

Dredge operated 31 days

Dug 689 hrs 35 min = 28.73 days = 97.6920

1st 54 - 25 - 227 = 7.31 20

Avg. Hgt Bank = 0.9 ft.

Depth = 17.6 -

Total = 18.5 -

(6.7)

$$\text{Surface} - \begin{array}{r} 1274 \\ 0220 \\ \hline 1054 \end{array} \quad \begin{array}{r} 2322 \\ 1276 \\ \hline 1046 \end{array} \quad \begin{array}{r} 3320 \\ 2322 \\ \hline 1048 \end{array}$$

$$1047 \times 17.67 = 18500 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \begin{array}{r} 4346 \\ 3364 \\ \hline 982 \end{array} \quad \begin{array}{r} 5326 \\ 4346 \\ \hline 980 \end{array}$$

$$981 \times 17.67 = 17334$$

$$- (35834)$$

$$\text{Avg Area} = 17917$$

$$17917 \times \frac{6.17}{3} = 110548 \text{ Cu. Yds}$$

$$\frac{110548}{31} = 3566 = \text{Cu. Yds. per day elapsed time}$$

$$\frac{110548}{28.73} = 3848 =$$

- running -

Pond Elev. - 1780.1

Claims dredged - 142-143 BLD

Surface area - 3.82 Acres

Avg width - 250 Ft.

Length - 570

$$\begin{array}{r} 18500 \\ 9 \\ \hline 166500 \end{array} \quad \begin{array}{r} 17334 \\ 9 \\ \hline 156006 \end{array} \quad \begin{array}{r} 17917 \\ 9 \\ \hline 161253 \end{array}$$

Thaw W/O

Block N3	=	Remainder	=	48974 Cuyds
1154 16.6	=	$400 \times 360 \times 16.6$ ✓	=	88533 ✓
			Total	= 137507 ✓

Strip W/O

X ⁿ 415 - 416	=	Remainder	=	16119 Cuyds
416 - 417	=	✓	=	16603 -
417 - 418	=	✓	=	18529 -
418 - 419	=	✓	=	18608 -
419 - 420	=	✓	=	19275 -
420 - 421	=	✓	=	20491 -
			Total	= 109627 ✓

Dredge # 10

June 1963

Dredge operated 30 days

✓ dug 677 hrs. 15 min. = 28.22 days = 94.0670
✓ lost 42 ✓ hrs = 1.78 = 5.9420
Avg. Hot Bank - 1.6 Ft. (7.2) Time in F.G. = 5.3 days
✓ Depth = 14.4 = 17.57 Elapsed time
Total = 16.0 = 18.670 Running

Surface - $\frac{3956}{2470} \quad \frac{5440}{3956}$ $\frac{1485 \times 17.67}{1484}$ = 26240 sq. yds.

Bedrock - $\frac{6820}{5398} \quad \frac{8243}{6820}$ $\frac{1423 \times 17.67}{1423}$ = 25144

Avg Area = 25692

$\frac{8564}{25692 \times 16.0} = 137024 \text{ Cu. Yds.}$

$\frac{137024}{30} = 4567 \text{ Cu. Yds. per day elapsed time}$

$\frac{137024}{28.22} = 4856 \text{ running}$

Pond Flex. - 1767.5
Claims dredged - 143-1000 BLD.
Surface area - 5.42 Acres.
Avg Width - 400 Ft.
Length - 500

$\frac{26240}{9} \quad \frac{25144}{9} \quad \frac{25692}{9}$
23616.0 226296 231228

Thaw W/O

Block # 154 -	Remainder	=	48937 Cu Yds
✓ # 155 -	$\frac{8372}{13.7} \times 110 + \frac{7307}{13.7} \times 180$	=	15679 -
✓ # 156 -	$\frac{18.4}{18.4} \times 290$	=	87945 ✓
		Total =	152561 ✓

Strip W/O

X2 421 - 422	-	Remainder	=	20323 Cu Yds.
422 - 423	-		=	21890 -
423 - 424	-	✓	=	25441 -
424 - 425	-	45 ✓	=	20464 ✓
425 - 426	-	1/4 ✓	=	7431 ✓
		Total =	95549 -	

Dredge No 10

July 1963

Dredge operated 31 days

✓ Aug 699 hrs 35 min = 9.15 days = 94.0370
 ✓ lost 440 - 25 - = 1.85 = 5.9770

Hgt of Bank Hgt of Bank - 0.2 ft.

cut 1 ft. Depth below - 14.8 - (6.5)

Total depth - 15.0 -

Time in F.G.

= 2.67 days

= 8.60 %

$$\text{Surface} - \frac{7170}{5332} \frac{9005}{7170} \\ \frac{1838}{1838}$$

$$1837 \times 17.67 = 32460 \text{ Cu. Yds.}$$

$$\text{Bedrock} - \frac{0793}{9006} \frac{2578}{0793} \\ \frac{1787}{1787}$$

$$1786 \times 17.67 = \frac{31558}{164018}$$

$$\text{Avg Area} = 32009$$

$$32009 \times \frac{5.0}{3} = 160045 \text{ Cu. Yds.}$$

$$\frac{160045}{31} = 5163 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{160045}{9.15} = 5490$$

running

Pond Elev. 1766.0

Claims dredged - 144 - 141 - 820

Surface area - 6.71 Acres

Avg width - 215 ft.

Length - 1160

$$\begin{array}{r} 32460 \\ 9 \\ \hline 292140 \end{array} \quad \begin{array}{r} 31558 \\ 9 \\ \hline 284022 \end{array} \quad \begin{array}{r} 32009 \\ 9 \\ \hline 288081 \end{array}$$

Tham N/O

$$\text{Block \# 155} - \text{Remainder} \overset{66626}{\text{minus}} \overset{13141}{185 \times 140 \times 13.7} = 53485 \text{ Cu Yds.}$$

$$\text{\# 157} - \frac{270 \times 500 \times 14.1}{14.1} = 70500 \checkmark$$

$$\text{\# 159} - \frac{50 \times 275 \times 14.8}{14.8} = 12398 \checkmark$$

$$\text{Total} = \frac{70500 + 12398 + 53485}{7537} = 131522 \checkmark$$

Strip N/O

$$\times 2 \text{ 424-425} - \text{Remainder} = 5116 \text{ Cu Yds.}$$

$$425-426 - 1/2 \checkmark = 11146 \checkmark$$

$$426-427 - 1/3 - = 13252 -$$

$$427-428 - 1/3 \checkmark = 13297 \checkmark$$

$$428-429 - 1/3 - = 13545 -$$

$$429-430 - 1/3 \checkmark = 12602 \checkmark$$

$$430-431 - 1/3 \checkmark = 12151 -$$

$$431-432 - 1/3 - = 12121 -$$

$$432-433 - 1/3 \checkmark = 93330 \checkmark$$

$$\text{Sub-Total} = \frac{93330 + 12377}{12377} = 105707$$

$$\text{Total} = 105707$$

Dredge No 10

August 1963

Dredge operated 31 days

Avg 690 hrs. or min = 28.75 days = 92.75%

lost 53 - 55 - 2.25 - 7.25%

Avg Hgt Bank = 2.2 Ft.

Depth = 12.5

Total = 14.7

Time in F.G. = 1.1 days

= 3.50%

$$\text{Surfaces} - \frac{0308}{8745} \frac{1863}{0308} \frac{1563}{1555}$$

$$1559 \times 17.67 = 27547 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \frac{3348}{1850} \frac{4850}{3348} \frac{1498}{1502}$$

$$1500 \times 17.67 = 26505$$

$$27547 - 26505 = 1042$$

$$\text{Avg Area} = 27026$$

$$27026 \times \frac{4.9}{3} = 132427 \text{ Cu. Yds.}$$

$$\frac{132427}{31} = 4272 \text{ Cu. Yds per day elapsed time}$$

$$\frac{132427}{28.75} = 4603$$

- running -

Pond Elev - 1759.9

Claims dredged - 145-146-147 BLD.

Surfaces Area - 5.69 Acres

Avg width - 275 Ft.

Length - 830

$$\frac{27547}{9}$$

$$247923$$

$$\frac{26505}{9}$$

$$238545$$

$$\frac{27026}{9}$$

$$243234$$

Thaw W/O

$$\text{Block \# 159} - \frac{(470 \times 200 + 200 \times 60) \times 14.8}{14.8} = 58104 \text{ Cu Yds.}$$

$$\text{Block \# 160} - \frac{270 \times 35 \times 18.0}{18.0} = 6300 \checkmark$$

$$\text{Block \# 157} - \frac{460 \times 190 \times 14.1}{14.1} = 45642 \checkmark$$

$$\text{Block \# 158} - \frac{130 \times 445 \times 17.7}{17.7} = 38776 \checkmark$$

$$\text{Total} = 148822 \checkmark$$

Strip W/O

$$424-428 -$$

$$428-429 - \frac{1}{2} \text{ Remainder} = 13544 \text{ Cu Yds}$$

$$429-430 - \frac{1}{2} = 12603 \checkmark$$

$$430-431 - \frac{3}{4} = 14580 \checkmark$$

$$431-432 - \frac{3}{4} = 14550 \checkmark$$

$$432-433 - \frac{1}{2} = 12376 \checkmark$$

$$433-434 - \frac{2}{3} = 25502 \checkmark$$

$$434-435 - \frac{2}{3} = 25208 \checkmark$$

$$\text{Total} = 118363 \checkmark$$

Dredge No 10 - September 1963

Dredge operated 30 days
Avg W8 hrs 50 min = 27.03 days = 90.12 $\frac{20}{10}$
lost 71 - 10 = 2.97 = 9.88 $\frac{20}{10}$
Avg Net Bank = 2.1 ft.
Depth = 12.1 - (6.4) F.B. = Nil
Total = 14.2 ✓

Surface - $\frac{2884}{1300} \frac{4388}{1584} \frac{5969}{1581} \frac{7556}{1587}$ ✓
 $1583 \times 17.67 = 27971$ Sq. Yds.

Bedrock - $\frac{9070}{7556} \frac{0602}{9070} \frac{2071}{0602} \frac{3598}{2071}$ ✓
 $1530 \times 17.67 = 27035$ ✓
 $\sqrt{55006}$ ✓
Avg Area = 27503 ✓

$$27503 \times \frac{4.73}{3} = 130089 \text{ Cu Yds}$$

$$\frac{130089}{30} = 4336 \text{ Cu Yds. per day elapsed time}$$

$$\frac{130089}{27.03} = 4813 \text{ - running -}$$

Pond Elev. - 1761.6
Claims dredged - 146-147 BLD
Surface area - 5.78 Acres
Avg width - 190 ft.
Length - 885 ✓

$\frac{27971}{9} = 3107.8$
 $\frac{27035}{9} = 3003.9$
 $\frac{27503}{9} = 3055.9$
251739 243315 247527

Thaw W/O

Block # 157	- Remainder	= 6645 Cu.Yds.
- # 155	- ✓	= 13141 ✓
- # 156	- ✓	= 61978 ✓
- # 158	- ✓	= 92284 ✓
- # 160 180	- $250 \times 70 \times 18.0$ <u>77</u>	= 11666 ✓
Total		= 185664 ✓

Strip W/O

X2 425-426	- Remainder	= 21146 Cu.Yds.
426-427	- ✓	= 26503 ✓
427-428	- ✓	= 26799 ✓
428-429	- ✓	= 13545 ✓
429-430	- ✓	= 12602 ✓
430-431	- ✓	= 9721 ✓
431-432	- ✓	= 969 ✓
432-433	- ✓	= 12377 ✓
Total		= 132385 ✓

Dredge No 10

October 1963

Dredge operated 31 days

Aug 688 hrs. 10 min - 28.67 days - 92.50 %
 foot ss - 50 - 2.33 - 7.50 %
 Angled Bank = 1.9 ft.
 Depth = 15.3 -
 Total = 17.2 ✓

(6.2) F.G. - Nil

Surface $\begin{array}{r} 5045 \\ - 3282 \\ \hline 1763 \end{array}$ ✓ $\begin{array}{r} 6829 \\ - 5066 \\ \hline 1763 \end{array}$ ✓

$$1763 \times 17.67 = 31152 \text{ Sq. Yds.}$$

Bedrock $\begin{array}{r} 8670 \\ 6869 \\ \hline 1801 \end{array}$ ✓ $\begin{array}{r} 2326 \\ - 0529 \\ \hline 1797 \end{array}$ ✓

$$1799 \times 17.67 = 31788$$

$$\begin{array}{r} 31788 \\ - 62940 \\ \hline \end{array}$$

$$\text{Avg. Area} = 31470$$

$$\begin{array}{r} 10490 \\ 31470 \times 17.2 \\ \hline 3 \end{array} = 180428 \text{ Cu. Yds.}$$

$$\frac{180428}{31} = 5820 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{180428}{28.67} = 6293$$

- running -

Pond Elev - 1772.1
 Claims dredged - 145-146-147 BLD
 Surface Area - 6.44 Acres ✓
 Avg Width - 254 ft.
 Length - 960 ✓

$$\begin{array}{r} 31152 \\ 9 \\ \hline 280368 \end{array}$$

$$\begin{array}{r} 31788 \\ 9 \\ \hline 286092 \end{array}$$

$$\begin{array}{r} 31470 \\ 9 \\ \hline 283230 \end{array}$$

Thaw W/O

Block # 160 - Remainder - $68854 - 2066 = 61788$ Cu Yds.
18.0

- # 159 - $\frac{35 \times 115 \times 14.8}{14.8}$ = 2206

Total = 63994

Strip W/O

Y¹² 433-434 - Remainder = 12750 Cu Yds.

434-435 - = 12603 ✓

435-436 - $\frac{2}{3}$ ✓ = 14322 ✓

436-437 - $\frac{1}{3}$ ✓ = 11915 ✓

Total = 51630 ✓

Dredge N° 10

November 1963

Shutdown Nov 16 - 8.00 AM.

Dredge operated 15 days

Dug 330 hrs 50 min = 13.80 days = 91.90 Cu Yds

lost 29 - 10 - = 1.20 - = 8.10 Cu Yds

Avg Hgt Bank - 0.7 Ft.

Depth - 17.6 ✓ (6.0) F.G. - Nil

Total - 17.7 ✓

$$\begin{array}{r} \text{Surface} - \frac{8550}{7838} \quad \frac{9253}{8550} \quad \frac{9959}{9253} \\ \hline 7112 \quad 703 \quad 706 \end{array}$$

$$705 \times 17.67 = 12457 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \frac{0669}{9980} \quad \frac{1357}{0669} \\ \hline 689 \quad 688 \end{array}$$

$$689 \times 17.67 = 12175 \checkmark$$

$$\sqrt{124632}$$

$$\text{Avg area} = 12316 \checkmark$$

$$12316 \times \frac{5.9}{3} = 72664 \text{ Cu. Yds.}$$

$$\frac{72664}{15} = 4844 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{72664}{13.80} = 5265 \checkmark \quad \text{running} \checkmark$$

Pond Elex - 1772.0
 Claims dredged - 147-148 BLD
 Surface Area - 2.57 Acres
 Avg. width - 285 ft
 Length - 380 ✓

$$\begin{array}{r} 12457 \\ 9 \\ \hline 112113 \end{array} \quad \begin{array}{r} 12175 \\ 9 \\ \hline 109525 \end{array} \quad \begin{array}{r} 12316 \\ 9 \\ \hline 110844 \end{array}$$

Thaw W/O

$$\text{Block} - \#160 - 90 \times 30 \times 18.0$$

$$= 1800 \text{ Cu.Yds.}$$

$$/ - \#159 - 220 \times 240 \times 14.8$$

$$= 28942$$

$$\text{Total} = 30742$$

Strip W/O

$$\times 2 \text{ 435-436} - \frac{1}{5} \text{ Remainder}$$

$$= 8594 \text{ Cu.Yds.}$$

$$436-437 - \frac{1}{5}$$

$$= 9564$$

$$437-438 - \frac{1}{5}$$

$$= 7223$$

$$\text{Total} = 25381$$

Dredge No 10

May 1964
 Started bailing ice May 1 - 8:00 AM
 Dredging - 2 - 8:00 -

Dredge operated 30 days 29 for depth

✓ dug 630 hrs. 15 min = 26.26 days = 87.53 % ✓

✓ lost 89 - 45 - = 3.74 - = 12.47 % ✓

Avg Hat Bank = 1.8 ft.

Depth

= 16.2 -

(6.8)

F.G. 509 hrs. = 21.2 days

Total

= 18.0 - ✓

Surface - $\frac{6140}{308}$ $\frac{6756}{308}$ $308 \times 17.67 = 5442$ 5442 ✓

Bedrock - $\frac{7064}{304}$ $\frac{7373}{309}$ $307 \times 17.67 = 5424$ ✓
 $\frac{5424}{10866}$ ✓

Avg. Area = 5433 ✓

$5433 \times \frac{18.0}{3} = 32598$ Cu Yds.

$\frac{32598}{30} = 1087$ Cu Yds. per day elapsed time

$\frac{32598}{26.26} = 1241$ ✓ - running ✓

Pond Elev - 1772.5
 Claims dredged - 147-148 BLD
 Surface area - 1.12 Acres
 Avg width - 240 ft.
 Length - 215 -

5442

9

48978 ✓

5424

9

48816 ✓

5433

9

48897 ✓

Thaw W/O

Block No 119 - Remainder

= 37094 Cu.Yds

$$\checkmark \quad \frac{161}{15.2} - \frac{280 \times 160 \times 15.2}{27}$$

= 25220

Total = 57314 ✓

Strip W/OX² 435-436 - Remainder

= 17891 Cu.Yds.

436-437 - ✓

= 14347 ✓

437-438 - 1/3 ✓

= 9631 ✓

438-439 - 1/3 ✓

= 11456 ✓

Total = 48324 ✓

Tredge № 10

June 1964

Dredge operated 30 days

✓ Aug 674 hrs. 25 min = 28.10 hrs - 93.67 %
✓ lost HV - 35 - = 1.90 - = 6.33 %

$$1084 \text{ H}^+ - 31^- = 1.90^- = 6.33 \text{ g}$$

Avg Hgt Bank = 1.5 FT.

Depth = 13.8 ✓

Total

= 15.3 ✓

6.1

11-13 days in FG

Surface - $\begin{array}{r} 39\text{W} \\ 3242 \\ \hline 678 \end{array}$ $\begin{array}{r} 4610 \\ 39\text{W} \\ \hline 68\text{V} \end{array}$

$$\begin{array}{r} 3247 \\ 678 \end{array}$$

3925
68 ✓

678

68 ✓

$$682 \times 17.67$$
$$= 170\sqrt{1} \quad \text{Dg. 7/15}$$

Bedrock - $\begin{array}{r} 572 \\ 4610 \\ \hline 662 \end{array}$

$$\begin{array}{r} 4610 \\ 66 \end{array}$$
$$\frac{\sqrt{27}}{66}$$

662

66

 665×17.67
$$= 11751$$
$$\sqrt{2380}$$

Arg Area = 11901

$$11901 \times \frac{\sqrt{1} \cdot 1}{\sqrt{3}} = 6069.5 \text{ Cu. Yds.}$$
$$\frac{60695}{30} = 2023 \text{ Cu. Yrs. per day elapsed time}$$
$$\frac{60695}{28.10} = 2160$$

running -

Pond Evap - 1770.0

Claims dropped - 147-148 SLD Dam.

Surface area = 2.48 Acres ✓

Avg width - 270 ft

length - 410 -

120 ✓ 1

117 ✓ 1

11901

9

5

5

108459

105759

107109

Thaw W/O

$$\text{Block \# 161} - \begin{array}{r} 5961 \\ 5433 \\ \hline 528 \end{array} \quad \begin{array}{r} 6487 \\ 5961 \\ \hline 526 \end{array}$$

$$5.89 \quad 527 \times 17.67 \times \frac{15.2}{2} = 47180 \text{ Ck's}$$

$$\text{Block \# 162} - \begin{array}{r} 8090 \\ 7699 \\ \hline 781 \end{array} \quad \begin{array}{r} 9250 \\ 8480 \\ \hline 770 \end{array}$$

$$5.89 \quad 776 \times 17.67 \times \frac{16.7}{2} = 76319 \quad \checkmark$$

$$\text{Block \# 160} - \text{Remainder}$$

$$= 5266 \quad \checkmark$$

$$\text{Total} = 128765 \quad \checkmark$$

Strip W/O

$$\text{X'D 437-438} - \text{Remainder}$$

$$= 19261 \text{ Ck's}$$

$$438-439 \quad \checkmark$$

$$= 22911 \quad \checkmark$$

$$439-440 \quad \checkmark$$

$$= 33863 \quad \checkmark$$

$$440-441 \quad 1/2 \quad \checkmark$$

$$= 16726 \quad \checkmark$$

$$441-442 \quad 1/2 \quad \checkmark$$

$$= 6043 \quad \checkmark$$

$$\text{Total} = 98804 \quad \checkmark$$

Dredge No 10

July 1964

Dredge operated 31 days

dug 704 hrs. 10 min = 19.34 days = 94.65 70

port 39 - 50 - = 1.66 - = 5.35 20

Avg Wet Bank = 2.0 ft.

Depth = 13.7 -

(6.7) FG. = 2.46 days

Total = 15.7 -

$$\text{Surface} - \begin{array}{r} 9605 \\ 8182 \\ \hline 1423 \end{array} \quad \begin{array}{r} 1014 \\ 9605 \\ \hline 1409 \end{array} \quad \begin{array}{r} 2044 \\ 1014 \\ \hline 1430 \end{array} \quad 1427 \times 17.67 = 25215.59 \text{ Yds.}$$

$$\text{Bedrock} - \begin{array}{r} 3851 \\ 2440 \\ \hline 1411 \end{array} \quad \begin{array}{r} 5261 \\ 3851 \\ \hline 1410 \end{array} \quad 1411 \times 17.67 = 24932 -$$

$$\sqrt{250147}$$

$$\text{Avg Area} = 25074 -$$

$$\begin{array}{r} 8318 \\ \hline 25074 \end{array} \times \frac{15.7}{3} = 131221 \text{ Cu. Yds.}$$

$$\frac{131221}{31} = 4233 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{131221}{19.34} = 6785 - \text{ running} -$$

Pond Elev

- 1764.1

Claims dredged

- 148-149 BLD Dam.

Surface area

- 5.20 Acres ✓

Avg width

- 290 ft.

Length

- 755 -

$$\begin{array}{r} 25215 \\ 9 \\ \hline 226935 \end{array}$$

$$\begin{array}{r} 24932 \\ 9 \\ \hline 224388 \end{array}$$

$$\begin{array}{r} 25074 \\ 9 \\ \hline 225666 \end{array}$$

$$226935$$

$$224388$$

$$225666 \checkmark$$

Thaw $\frac{W}{O}$

Block # 162 - Remainder = 22489 Cu Yds.

✓ 161 - ✓ = 52326 -

✓ 163 - $370 \times 290 \times \frac{18.0}{27}$ = 61866 -
18.0

✓ 164 - $290 \times 345 \times \frac{19.5}{27}$ = 72258 -
19.5

Total = 208989 -

Strip $\frac{W}{O}$

2440-441 - Remainder = 16726 Cu Yds.

441-442 - ✓ = 24172 -

442-443 - ✓ = 27741 -

443-444 - ✓ = 29096 -

444-445 - ✓ = 27152 -

Total = 124887 -

Dredge No: 10

August 1964

Dredge operated 31 days

dug 691 hrs. 55 min = 28.83 days = 93.00 %
 lost 55 - 05 - = 2.17 - = 7.00 %

Avg Net Bank = 1.6 Ft.

Depth = 14.6 - (6.1) Time in F.G. = 0.71 days
 Total = 16.7 -

$$\text{Surface} - \frac{7368}{5270} \frac{9455}{7368} 2093 \times 17.67 = 36983 \text{ Cu. Yds.}$$

$$\text{Bedrock} - \frac{1522}{9454} \frac{3576}{1522} \frac{5634}{3576} 2056 \times 17.67 = 36329$$

$$2 \overline{73312}$$

$$\text{Avg Area} = 36656$$

$$36656 \times \frac{5.4}{3} = 197942 \text{ Cu. Yds.}$$

$$\frac{197942}{31} = 6385 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{197942}{28.83} = 6866 \text{ - running -}$$

Pond Elev - 1266.3

Claims dredged - 149 - 150 B.L.D.

Surface area - 7.43 Acres

Avg Width - 715 Ft.

Length - 465 -

$$\begin{array}{r} 36983 \\ 9 \\ \hline 332847 \end{array} \quad \begin{array}{r} 36329 \\ 9 \\ \hline 326961 \end{array} \quad \begin{array}{r} 36656 \\ 9 \\ \hline 329904 \end{array}$$

Thaw W/O

Block #163 - Remainder = 33174 Cu.Yds
 18.0

- #164 - ✓ = 51079 -
 19.5

- #165 - 19.5 ✓ = 37225 -
 21.3

- #166 - 355 x 360 x 19.1 ✓ = 90406 -
 19.1 27

- #167 - 130 x 160 x 21.3 ✓
 21.3 27

Total = 16408 ✓

Total = 228192 ✓

Strip W/O

X² - 445-446 - Remainder = 23907 Cu.Yds

446-447 - ✓ = 24000 -

447-448 - ✓ = 22644 -

448-449 - ✓ = 18609 -

449-450 - ✓ = 17052 -

450-451 - ✓ = 17052 -

Total = 123264 ✓

Dredge No. 10

September 1964

Dredge operated 30 days

✓ dug 669 hrs. 0 min = 27.87 days = 92.91 Cu. Yds.
 ✓ lost 51 ✓ 0 = 2.13 = 7.09 Cu. Yds.

Avg. Net Bank = 1.4 ft.

✓ Depth = 17.9 - (15.9) (5.4) Time in F.G. = 0.83 days
 Total = 19.3 - (17.3) /

Surface - $\begin{array}{r} 7210 \\ 5334 \\ \hline 1876 \end{array}$ $\begin{array}{r} 9057 \\ 7210 \\ \hline 1847 \end{array}$ $\begin{array}{r} 0920 \\ 9057 \\ \hline 1863 \end{array}$ ✓ $1870 \times 17.67 = 33043$ Cu. Yds.

Bedrock - $\begin{array}{r} 2745 \\ 0926 \\ \hline 1819 \end{array}$ $\begin{array}{r} 4552 \\ 2745 \\ \hline 1807 \end{array}$ ✓ $1813 \times 17.67 = 32035$ ✓

Avg Area

✓ $\begin{array}{r} 65078 \\ \hline \end{array}$

= 32539 ✓

✓ $\begin{array}{r} 5.77 \\ 17.3 \\ \hline 6.43 \end{array}$

187750 (Depth cut 2')

✓ $32539 \times 19.3 = 209225$ Cu. Yds.
 8

187750
30

209225
30

= 6974 Cu. Yds. per day elapsed time

187750
27.87

209225
27.87

= 7507

running

Pond Elev -

Claims dredged - 150 + 175 BLD.

Surface Area - 6.83 Acres ✓

Avg width - 540 Ft.

Length - 560 -

33043
9
297387

32035
9
288315

32539
9
292851

Thaw W/O

Remainder of Inventory = 201702 CuYds

Strip W/O

Remainder of Inventory = 98754 CuYds.

Dredge No 10

October 1964
Shut down for good.

Dredge operated 31 days

✓ dug 701 hrs. 40 min = 29.4 days = 94.312

✓ lost 42 = 20 = 1.76 = 5.6920

Avg Hgt Bank = 1.6 Ft.

Depth = 16.9 - (4.3) Time in F.G. 28 hrs.

Total = 18.5 - 3' = 15.5'

$$\text{Surface} - \frac{6426}{4199} \quad \frac{8653}{6426} \quad 2227 \times 17.67 = 39351 \text{ Sq Yds.}$$

$$\text{Bedrock} - \frac{0807}{8633} \quad \frac{2920}{0807} \quad 2168 \times 17.67 = 38308$$

$$\text{Avg Area} = 38830$$

$$38830 \times \frac{15.5}{3} = 239581 \text{ Cu. Yds.}$$

$$\frac{239580}{31} = 7728 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{239580}{29.4} = 8193 \quad \text{running}$$

$$\text{Cut depth } 3' = 15.5' \quad 38830 \times \frac{15.5}{3} = 200751 \text{ Cu Yds}$$

$$\frac{200751}{31} = 6475 \text{ per day elapsed time}$$

$$\frac{200751}{29.4} = 6865 \quad \text{running}$$

Pond Elev

Claims dredged - 150 N-176 Bel. L.D.

Surface area - 8.13 Acres

Avg Width - 500 Ft.

Length - 700 -

$$\begin{array}{r} 39351 \\ 9 \\ \hline 354159 \end{array}$$

$$\begin{array}{r} 38308 \\ 9 \\ \hline 344772 \end{array}$$

$$\begin{array}{r} 38830 \\ 9 \\ \hline 349470 \end{array}$$

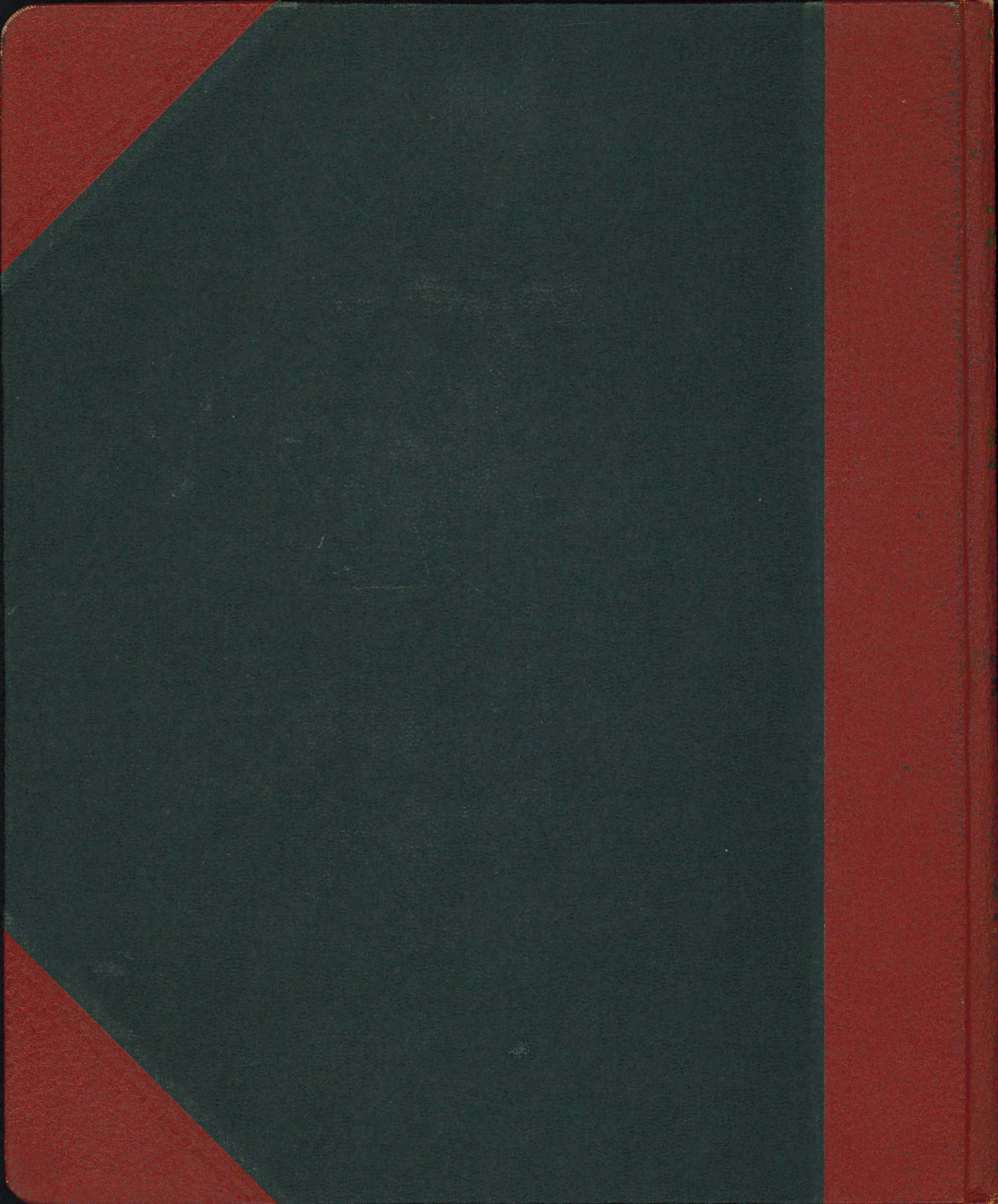
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