

Dradge N^o 10



MADE IN



Dredge N° 10

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

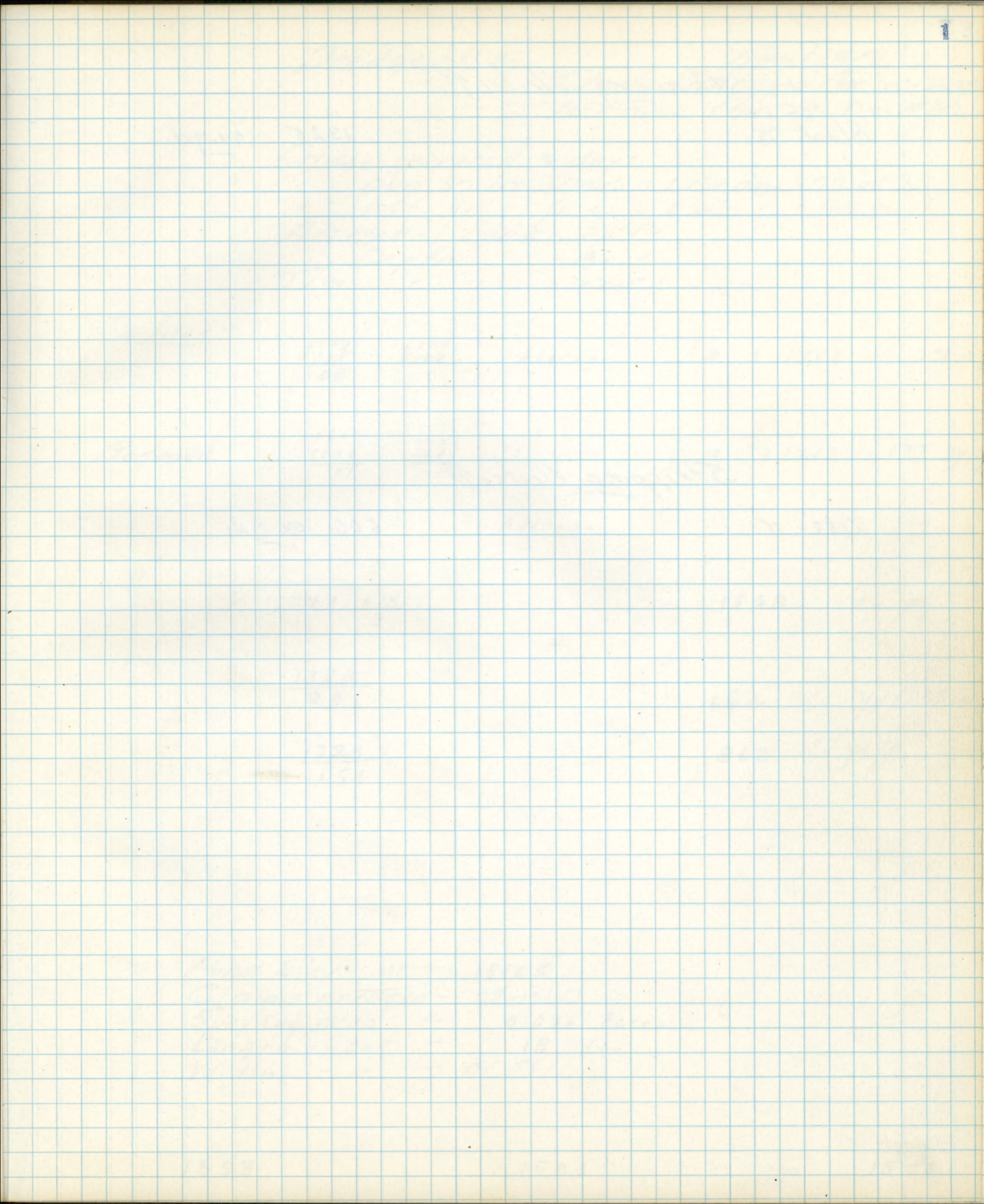
 QUADRILLE

MADE ONLY IN 150 PAGE THICKNESS

TO OBTAIN A DUPLICATE OF THIS BOOK

ORDER NO. 1230

SPECIFYING RULING AND THICKNESS



Thawing Writeoff

Block 78

1328 cu. yd.

Stripping Writeoff

X180-181

600 cu. yd.

Dredge 11:10

April 1951

Started digging Apr. 29 - 4:00 pm

Lost Time Apr. 29 - 8:00 AM.

Dredge operated 2 days

- dug 37 hrs. 0 min = 1.54 days = 77.08 %

- lost 11 - 0 - = 0.46 - = 22.92 %

Avg Hgt of Bank = 3.5 ft.

Depth = 19.0 -

Total = 77.08 -

Surface

$\frac{5127}{5118}$
09

$\frac{5238}{5129}$
11

Average

10 x 17.67 = 177.00 yd

Bedrock

$\frac{5245}{5236}$
09

$\frac{5256}{5245}$
11

10 x 17.67 = 177 sq. yd

Average

177 " "

$177 \times \frac{22.5}{3} =$

1328 Cu yd.

$\frac{1328}{2.0}$

664 Cu yd/Elapsed day

$\frac{1328}{1.54}$

862 Cu yd./Running Day

Pond Elev - 1888.5

Claims dredged - 78 BLD

Surface area - 0.036 Acres

Length of cut - 12 ft.

Width - - - 135 ft.

Thawing Writeoff

$$\begin{array}{r} \text{Block } \#78 \\ 21.1 \end{array} - \begin{array}{r} 8026 \\ 7542 \\ \hline 479 \end{array} \quad \begin{array}{r} 8497 \\ 8026 \\ \hline 469 \end{array} \quad \begin{array}{r} 8970 \\ 8495 \\ \hline 475 \end{array}$$

$$\begin{array}{r} \#79 \\ 18.7 \end{array} - \begin{array}{r} 8207 \\ 8092 \\ \hline 115 \end{array} \quad \begin{array}{r} 8323 \\ 8207 \\ \hline 116 \end{array}$$

✓.89

$$477 \times 17.67 \times 21.1 = 59148 \text{ C.Y.s}$$

✓.89

$$116 \times 17.67 \times 18.7 = 12760 -$$

$$\text{Total} = 71908 \checkmark$$

Shipping Writeoff

$$\checkmark^{15} 180-181 - 1/2 \text{ Remainder}$$

$$= 17378 \text{ Cu.Yds.}$$

$$181-182 \quad \checkmark$$

$$= 22090 -$$

$$\text{Total} = 39468 \checkmark \checkmark$$

Dredge #10

May 1951

Dredge operated 31 days

- dug 640 hrs $\sqrt{5}$ min = 26.70 days = 66.14%

- lost 103 - 05 - = 4.30 - = 13.66%

Avg Stat. Bank = 5.5 Ft.

- Depth = 18.8 -

Total = 24.3 -

Surface $\frac{1426}{0816} \frac{2038}{1426} \frac{611 \times 17.67}{612} = 10796 \checkmark \text{ Sp. Yds.}$

Bedrock $\frac{2624}{2024} \frac{3223}{2624} \frac{600 \times 17.67}{599} = \frac{10602}{21398} \checkmark$
Avg Area = 10699 -

$\frac{10699 \times 24.3}{3} = 86662 \checkmark \text{ Cu. Yds}$

$\frac{86662}{31} = 2796 \checkmark \text{ Cu. Yds. per day elapsed time.}$

$\frac{86662}{26.70} = 3246 \checkmark \text{ running}$

Pond Elev. - 1888.0
Claims dredged - 78 BLD
Surface Area - 2.23 Acres.
Avg width cut - 200 Ft.
Length - 540 -

$\frac{10796}{9} \frac{10602}{9} \frac{10699}{9}$
97164 95418 96291

Thawing Whiteoil

Block 79 -	$\begin{array}{r} 6959 \\ 6132 \\ \hline 8271 \end{array}$	$\begin{array}{r} 7782 \\ 6959 \\ \hline 8231 \end{array}$	$825 \times \overset{1.89}{12.67} \times 18.7 = 90750 \text{ Cu Yds}$
✓ 81 -	$\begin{array}{r} 8030 \\ 7782 \\ \hline 248 \end{array}$	$\begin{array}{r} 8282 \\ 8030 \\ \hline 252 \end{array}$	$252 \times \overset{1.89}{17.67} \times 19.6 = 28980 \text{ ✓}$
196			Total = 119730 ✓

Stripping Whiteoil

X 2180-181 -	Remainder	= 17378 Cu Yds
✓ 181-182 -		= 22091 ✓
✓ 182-183 -	1/2 ✓	= 16488 ✓
✓ 183-184 -	1/2 ✓	= 16392 ✓
Total		= 72349 ✓ ✓

Dredge #10 June 1951

Dredge operated 30 days

✓ dug 643 hrs 15 min = 26.80 days = 89.34 %

✓ lost 76 - 45 = 3.20 = 10.66 %

Avg. Wet Bank = 3.9 Ft

✓ Depth = 17.1

Total = 21.0 ✓

Surface $\frac{6135}{5062} \quad \frac{7200}{6135} \quad \frac{1074}{1073} \times 17.67 = 18977.5 \text{ Yds.}$

Bed Rock $\frac{8275}{7214} \quad \frac{9330}{8275} \quad \frac{1058}{1055} \times 17.67 = 18695. \quad \frac{37672}{18836}$

Avg Area = 18836 ✓

$18836 \times \frac{7.0}{21.0} = 13185 \text{ Cu. Yds.}$

$\frac{13185}{30} = 4395 \text{ Cu. Yds. per day elapsed time}$

$\frac{13185}{26.80} = 4920 \text{ running}$

Pond Elev	1884.3
Claim Dredged	78 BLD
Surface Area	3.92 Acres
Average Width of Cut	195
" Length "	830.

$\frac{18977}{9}$	$\frac{18695}{9}$	$\frac{18836}{9}$
170793 ✓	168775 ✓	169520 ✓

Thawing Write-off

Block #78 -	Remainder				=	48079 ✓	Cu Yds.
21.1							
- #79 -	✓				=	3583 ✓	✓
18.7							
- #80 -		$\begin{array}{r} 4986 \\ 4689 \\ \hline 297 \end{array}$	$\begin{array}{r} 5.89 \\ 4986 \\ \hline 303 \end{array}$	$\begin{array}{r} 300 \times 1267 \times 20.3 \\ \hline 3 \end{array}$	=	35880 ✓	✓
20.3							
- #81 -		$\begin{array}{r} 5198 \\ 5112 \\ \hline 86 \end{array}$	$\begin{array}{r} 5.78 \\ 5198 \\ \hline 80 \end{array}$	$\begin{array}{r} 83 \\ 88 \times 1267 \times 19.6 \\ \hline 3 \end{array}$	=	10155 ✓	✓
19.6							
					Total =	97697 ✓	

Stripping Write-off

X182-183	-	Remainder		=	24734	✓	Cu Yds
183-184	-	✓		=	24589	✓	✓
184-185	-	1/3	✓		13515	✓	✓
				Total =	62838	✓	✓

✓ Aug 234 hrs. 15 min = 76.43 days = 85.25 T₀
✓ lost 109 ✓ 45 ✓ = 4.57 ✓ = 14.25 T₀
Avg Hot Bank = 6.1 ft.
Depth = 17.1 -
Total = 23.2 -

Aug Freq = 15373 - -

$$\frac{118884}{26.43} = 4498 \checkmark \checkmark \quad - \text{running} -$$

$$\begin{array}{r} 15444 \\ 9 \\ \hline 138996 \end{array} \quad \begin{array}{r} 15302 \\ 9 \\ \hline 137718 \end{array} \quad \begin{array}{r} 15373 \\ 9 \\ \hline 138357 \end{array}$$

Thawing Wroteoff

$$\text{Block } \#80 - \frac{1108}{20.3} - \frac{1108}{443} \times \frac{1970}{426} \times \frac{1534}{436} \times \frac{1}{3} \times 17.67 \times 20.3 = 52800 \text{ Cu Yds.}$$

$$\#81 - \frac{1310}{19.6} - \frac{1650}{660} \times \frac{2970}{262} \times \frac{1}{3} \times 17.67 \times 19.6 = 76015$$

$$\text{Total} = 128815$$

Stripping Wroteoff

$$\#184-185 - \text{Remainder} = 27029 \text{ Cu Yds.}$$

$$185-186 - \checkmark = 30652 \checkmark$$

$$186-187 - \frac{1}{5} \checkmark = 5106 \checkmark$$

$$\text{Total} = 62787 \checkmark \checkmark$$

Dredge #10

Aug. 1951.

11

Dredge Operated
Dredge Day
" Lost

31 days
644 hrs 15 Min = 26,844
99 " 45 " 416 " = 1341 %

Hgt of Bank 4.1
Depth 17.4
Total 21.5

Surface $\begin{array}{r} 4515 \\ 3405 \\ \hline 1110 \end{array}$ $\begin{array}{r} 5630 \\ 4515 \\ \hline 1115 \end{array}$ $\begin{array}{r} 6735 \\ 5630 \\ \hline 1105 \end{array}$ 1110×17.67 19614

Bed Rock $\begin{array}{r} 7850 \\ 6746 \\ \hline 1104 \end{array}$ $\begin{array}{r} 8950 \\ 7850 \\ \hline 1100 \end{array}$ $1102 \times 17.67 = \frac{19472}{39086}$

Av. 19543

$19543 \times \frac{21.5}{3} =$

140058 Cu Yds

$\frac{140058}{31}$

4518 cu yd per day Elapsed Time

$\frac{140058}{26.84}$

5218 ~ ~ ~ Running Time

Pond Elev. 1882.5

Claims Dredged. 78 + 79 BLD

Surface Area 1.05 Acres

Length of Cut 880
Width of " 201

176526

175248

175887

Thawing Write off

$$\text{Block \#81 - Remainder} = \frac{81720}{20123} - \frac{440 \times 63 \times 19.6}{27} = 61097 \text{ Cu Yds}$$

$$\text{Block \#80 - } 93307 - \frac{160 \times 9024}{27} \times 20.3 = 84285$$

$$\text{Total} = 145382 \checkmark$$

Stripping Write off

$$\text{Block \#186-187 - Remainder} = 20427 \text{ Cu Yds}$$

$$187-188 - = 27818 \checkmark$$

$$188-189 - \frac{1}{2} \checkmark = 16775 \checkmark$$

$$189-190 - \frac{1}{4} \checkmark = 1893 \checkmark$$

$$\text{Total} = 66913 \checkmark \checkmark$$

Dredge 1/2 10

Sept 1951

Dredge operated 30 days

dug 635 hrs. 05 min = 26.46 days = 88.21 %

lost 84 - 55 = 3.54 = 11.79 %

Avg Wet Bank = 3.8 Ft.

Depth = 17.7

Total = 21.5

Surface

$$\begin{array}{r} 9652 \\ 8436 \\ \hline 1216 \end{array}$$

$$\begin{array}{r} 10862 \\ 9652 \\ \hline 1210 \end{array}$$

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

Bedrock

$$\begin{array}{r} 2035 \\ 853 \\ \hline 1182 \end{array}$$

$$\begin{array}{r} 3225 \\ 2035 \\ \hline 1190 \end{array}$$

$$11.86 \times 1767 = 20956$$

$$\underline{2142390}$$

Av.

21195

7065

$$\frac{21195 \times 21.5}{3} =$$

$$151897 \text{ Cu. yd.}$$

$$\frac{151897}{30} =$$

$$5063 \text{ Cu. yd. per day Elapsed Time}$$

$$\frac{151897}{26.46} =$$

5741

Running

Pond El = 1885.5

Claims Dredged 79

B.L.D.

Surface Area 4.43 Acres

Av. Length of Cat 204'

" " " " 945'

192906

188604

190755

Thaving Writeoff

Block 80 - Remainder	= 9022 Cu.Yds.
81 -	= 20123
82 - $91 \times 400 \times 20.1$	= 27098
83 - $\left(\frac{450 \times 110}{27} + \frac{330 \times 420}{27} - \frac{200 \times 40}{27} \right) \times 19.1$	= 63702
Total	= 119945

Stripping Writeoff

X ² 188-189 - Remainder	= 16776 Cu.Yds.
189-190 -	= 29659
190-191 - $\frac{1}{2}$	= 15970
191-192 - $\frac{1}{8}$	= 4150
Total	= 66555

Dredge No 10

October 1951

Dredge operated 31 days

✓ dug 246 hrs. 40 min = 26.94 days = 86.92 %

✓ lost 97 ✓ 20 = 4.06 ✓ = 13.08 %

Avg Hgt Bank = 2.9 Ft.

Depth = 17.7 ✓

Total = 20.6 ✓

Surface

$$\begin{array}{r} 6142 \\ 5110 \\ \hline 1032 \end{array}$$

$$\begin{array}{r} 7166 \\ 6142 \\ \hline 1024 \end{array}$$

1028 x 17.67 =

18165

Sq. Yd.

Bedrock

$$\begin{array}{r} 8159 \\ 7155 \\ \hline 1004 \end{array}$$

$$\begin{array}{r} 9165 \\ 8159 \\ \hline 1006 \end{array}$$

1005 x 17.67 = 17759

2 | 35924

Av. Area =

17962

" "

$$17962 \times \frac{20.6}{3}$$

123339

Cu. Yds.

$$\frac{123339}{31}$$

3979

Cu Yd/day Elapsed Time

$$\frac{123339}{26.94}$$

4578

" / - Running "

Pond EI =
Claims Dredged
Surface Area
Av. Length of Cut
" Width " "

1884.0
79 x 80 B.L.D.
3.75 Acres
817.4 ft.
200.0' ft.

163485

159831

161658

Thawing Whiteoil

Block 82	4535	1044	5.89	
20.1	4830	4935	$107 \times 12.65 \times 20.1 =$	12663 Cu.Yds
	105	109		
✓ 83	6050	6357	5.89	
19.1	5755	6050	$300 \times 12.67 \times 19.1 =$	33750
	295	309		
				Total = 46413 ✓

Stripping Whiteoil

✓ 190-191	- 40% of Remainder	= 6388 Cu.Yds
✓ 191-192	- 70%	= 20338
✓ 192-193	- 10%	= 2796
		Total = 29522 ✓

Dredge N° 10

November 1951
Shut down Nov. 15 - PM.

Dredge operated 14 days

dug 293 hrs 40 min - 12.24 days = 87.40 %

lost 42 " 20 " = 1.76 " = 12.60 %

Avg Hgt Bank = 4.6 ft.

Depth = 17.0 "

Total = 21.6 "

Surface

$\begin{array}{r} 3873 \\ 3459 \\ \hline 414 \end{array}$

$\begin{array}{r} 4281 \\ 3873 \\ \hline 408 \end{array}$

411 x 17.61

7262 Sq. Yd

Bedrock

$\begin{array}{r} 4669 \\ 4261 \\ \hline 408 \end{array}$

$\begin{array}{r} 5075 \\ 4669 \\ \hline 406 \end{array}$

407 x 17.61

$\begin{array}{r} 7192 \\ 14454 \\ \hline \end{array}$

Av.

7227 " "

7227 x $\frac{72}{24} = 3$

52034 Cu Yds

$\begin{array}{r} 52034 \\ 14 \\ \hline \end{array}$

3717 Cu Yd per day Elapsed Time

$\begin{array}{r} 52034 \\ 12.24 \\ \hline \end{array}$

4251 Cu Yd per day Running Time

Pond E1

1884.0

Claims Dredged

80

BLD

Area

1.50 Acres

Av. Length of Cut

327 ft

Av. Width " "

200 "

65358

64728

65043

Thaw Writest

$$\text{Block \# 82} - \frac{6997 \times 20.1}{3} = 46880 \text{ Cu. Yds.}$$

Stripping Writest

$$\text{X}^2 \text{ 190-191 - Remainder} = 9583 \text{ Cu. Yds.}$$

$$\text{191-192 - } = 8716$$

$$\text{Total} = 18299$$

Old stripping

$$\frac{200 \times 170}{4} \times 2.64 =$$

$$\frac{7040}{25339}$$

Dredge #10

May 1952
Started 6-9:15 AM

Dredge Operated 26 Days

" Dug 563 hrs 55 Min = 23.50 days = 90.37 70

" Lost 60 " 05 " 2.50 " 9.63 70

Av Height of Bank 3.5'

" Depth 20.5'

Total 24.0'

Surface.

$$\begin{array}{r} 6076 \\ 5681 \\ \hline 395 \end{array}$$

$$\begin{array}{r} 6473 \\ 6076 \\ \hline 397 \end{array}$$

396 x 17.67

6997 cu yd

Bed rock

$$\begin{array}{r} 6853 \\ 6458 \\ \hline 395 \end{array}$$

$$\begin{array}{r} 7254 \\ 6853 \\ \hline 401 \end{array}$$

398 x 17.67

7033

Av. Area =

7015

$$7015 \times \frac{24.0}{3} =$$

56120 Cu. Yds

$$\frac{56120}{26}$$

2158 Cu Yd / Day Elapsed Time

$$\frac{56120}{23.50}$$

2388 Cu Yd / Day Running Time

Pond El = 1885.0

Claims Dredged 80

B.L.D.

Area 1.45 Acres

Av. Length of Cut 310'

" Width " " 203'

62973

63297

63135

Thaw Writeoff

Block #82 - Remainder

= 61094 Cu.Yds.

✓ #83 - $\frac{200 \times 140 \times 19.1}{27}$

= 19807 ✓

✓ #84 - $\frac{300 \times 150 \times 20.0}{27}$

= 5555 ✓

✓ #85 - $\frac{170 \times 65 \times 17.8}{27}$

= 7284 ✓

Total = 93740 ✓ ✓

Strip WriteoffX¹⁹²⁻¹⁹³ - 3/4 Remainder

= 18876 Cu.Yds.

193-194 - 3/4 ✓

= 18405 ✓

194-195 - 1/4 ✓

= 5244 ✓

Total = 42525 ✓

Old Stripping

$\frac{120 \times 230 \times 2.64}{9}$

= 8094 Cu.Yds.

Total = 50619 ✓ ✓

Dredge Operated	30 days ✓	
" Dug	660 hrs 45 Min = 27.53 days =	91.77 %
" lost	59 " 15 " = 2.47 " =	8.23 %
Av. Hgt Bank	4.4' ✓	
" Depth	20.2 ✓	
Total	24.6 ✓	

Surface	$\begin{array}{r} 8793 \\ 7962 \\ \hline 831 \end{array}$ ✓	$\begin{array}{r} 9620 \\ 8793 \\ \hline 827 \end{array}$
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829 14448
 $834 \times 17.67 = 14737$ Sq. Yd.

Bedrock	$\begin{array}{r} 10388 \\ 9587 \\ \hline 801 \end{array}$ ✓	$\begin{array}{r} 1189 \\ 0388 \\ \hline 801 \end{array}$ ✓
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$801 \times 17.67 = 14153$ " "
~~28801~~

Av 14445 " "
~~14400~~

14400 8.5 ✓
 $14445 \times \frac{24.6}{3}$

118080
~~118449~~ Cu. yds.

118080
 $\frac{118449}{30} =$

3936
~~3949~~ Cu yd per day Elapsed Time

118080
 $\frac{118449}{27.53} =$

4289
~~4302~~ Cu yd per day Digging Time.

Pond El =	1881.9	
Claims Dredged	80	BLD.
Area	3.04	Acres
Av. Length of Cut =	600	ft.
" Width " "	221	" "

131832
~~132633~~

127377 ✓

129600
~~130005~~

Thaw Witeoff

Block #83 - Remainder	=	14531	Cu. Yds.
✓ #85 - Remainder less $\frac{360 \times 220 \times 128}{27}$	=	52548	-
✓ #84 - $\frac{250 \times 235 \times 20.0}{27}$	=	43518	-
Total	=	110597	-

Stripping Witeoff

X2 192-193 - Remainder	=	6291	Cu. Yds.
193-194 - ✓	=	6136	-
194-195 - $\frac{5}{6}$ -	=	13110	-
195-196 - $\frac{3}{4}$ -	=	16251	-
196-197 - $\frac{1}{3}$ -	=	8393	-
Total	=	50181	-

Old Stripping - $\frac{230 \times 80}{9} \times 2.64$

	=	5396	-
Total	=	55577	-

Dredge Operated

31 Days

Dredge Dug	673 hrs 15 Min = 28.05 "	90.4970
Dredge Lost	70 hrs 45 " = 295 "	9 51 90
Av. Hgt. of Bank	3.7	
Av. Depth	<u>19.0</u>	
Total	22.7	

Surface	$\frac{1400}{0384}$ 1016	$\frac{2416}{1400}$ 1016	1016	17.67	17953
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Bed Rock	$\frac{3387}{2391}$ 996	$\frac{4381}{3387}$ 994	995		$\frac{17581}{35534}$
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Av.

17767

$$17767 \times \frac{22.7}{3} = 134437 \text{ cu. yds.}$$

$$\frac{134437}{31} = 4337 \text{ cu yd per day Operating Time}$$

$$\frac{134437}{28.05} = 4793 \text{ cu yd per day Digging Time}$$

Pond El

1879.4

Claims Dredged

80 + 81 B.L.D.

Area

3.71 Acres

Av. Length of Cut

700 feet

Av. Width of Cut

231 "

161577

158229

159903

Than Write off

Block #84 - Remainder

= 115000 Cu.Yds.

✓ #86 - $\frac{490 \times 40 \times 18.3}{27}$

= 13284 ✓

✓ #85 - $\frac{230 \times 45 \times 17.8}{27}$ = 3412 ✓

Total = 131696 ✓

Stripping Write off

x2 194-195 - Remainder

= 2623 Cu.Yds.

195-196 - ✓

= 5416 -

196-197 - $\frac{1}{2}$ ✓

= 8393 ✓

197-198 - $\frac{2}{3}$ ✓

= 20474 ✓

198-199 - $\frac{3}{4}$ ✓= 19674 ✓

Old Stripping

Total = 56580 ✓

= 12574

= 69094 ✓

Dredge # 10

Aug 1952

Dredge operated 31 days

dug 673 hrs 15 min = 28.08 days = 90.58 ?

lost 40 " 05 " = 2.92 " = 9.42 ?

Avg Hgt Bank = 3.6 Ft

Depth = 18.0 "

Total = 21.6 "

Surface

$$\begin{array}{r} 5240 \\ 4095 \\ \hline 1145 \end{array}$$

$$\begin{array}{r} 6387 \\ 5240 \\ \hline 1147 \end{array}$$

1146 X 1767 =

20250

Bed Rock

$$\begin{array}{r} 7546 \\ 6419 \\ \hline 1127 \end{array}$$

$$\begin{array}{r} 8652 \\ 7546 \\ \hline \end{array}$$

$$\begin{array}{r} 9775 \\ 8652 \\ \hline 1123 \end{array}$$

1125 X 1767 =

$$\begin{array}{r} 19878 \\ 2140128 \end{array}$$

20064

$$20064 \times \frac{21.6}{3} =$$

144461 Cu Yds

$$\frac{144461}{31} =$$

4660 cu yd. per day Elapsed Time

$$\frac{144461}{28.08}$$

5145 cu yd per day Digging Time

Pond El
Claims Dredged:
Area
Av. Length of Claim
" Width "

1878.3
80 x 81 B.L.D.
4.18 Acres
800 feet
228 "

182250

178902

180576

Thaw Writeoff

Block # 85 -	Remainder	=	48801 Cu. Yds.
✓ # 87 -	$\frac{420 \times 220 \times 18.4}{27}$	=	62969 ✓
✓ # 86 -	$\frac{185 \times 245 \times 18.3}{27}$	=	30720 ✓
		Total =	142490 ✓

Strip. Writeoff

x2 196-197 -	Remainder	=	8393 Cu. Yds.
197-198 -	✓	=	10237 ✓
198-199 -	✓	=	6559 ✓
199-200 -	$\frac{2}{3}$ ✓	=	13918 ✓
200-201 -	$\frac{2}{3}$ ✓	=	14602 ✓
		Total =	53709 ✓
Old Stripping	$\frac{170 \times 195}{9} \times 2.64$	=	9723 ✓
		Total =	63432 ✓

Dredge #10

Sept 1952

Dredge Operated 30 Days
 Dredge Dug 650 hrs 35 Min = 27.11 days = 90.36 %
 Dredge Lost 69 " 25 " = 2.89 " = 9.64 %

Av. Hgt Bank = 4.2
 " Depth Cut 16.6
 Total 20.8

Surface: $\frac{7937}{6747} \frac{9121}{7937} \checkmark$ 1187' x 17.67' = 20975 Sq. Yd.

Bed Rock: $\frac{10257}{9091} \frac{1425}{0257} \checkmark$ 1167' x 17.67' = $\frac{2062.1}{41596}$ " "

Av. 20798, " "

$20798 \times \frac{20.8}{3}$ 144199 Cu Yds

$\frac{144199}{30} =$ 4807 Cu Yds per day Elapsed Time.

$\frac{144199}{27.11}$ 5319 Cu Yds per day Digging Time.

Pond El 1875.1
 Claims Dr 81 + 82 BLD
 Area 4.33 Acres
 Av. Length of Cut 875'
 Av. Width of Cut 215'

188775

185589

187182

Thaw Whitcoff

$$\text{Block 86} - \text{Remainder} - \frac{390 \times 65 \times 18.3}{(102799)} = 85618 \text{ Cu.Yds.}$$

$$87 - \frac{225 \times 205 \times 18.4}{77} = 31433 -$$

$$\text{Total} = 117051 \quad \checkmark$$

$$\begin{array}{r} 102799 \\ 17181 \\ \hline 85618 \end{array}$$

Stripping Whitcoff

$$X^2 199-200 - \text{Remainder} = 6959 \text{ Cu.Yds.}$$

$$200-201 - = 7302 \quad \checkmark$$

$$201-202 - 77\% \quad \checkmark = 14811 -$$

$$202-203 - 72\% \quad \checkmark = 12207 -$$

$$\text{Total} = 41283$$

$$\text{Old Stripping} - \frac{9937}{680} \quad \frac{0625}{9937} \quad \frac{684 \times 17.67 \times 2.64}{288} = 31907 \quad \checkmark$$

$$\text{Total} = 73190 \quad \checkmark$$

Dredge No 10

October 1952

Dredge operated 31 days

- dug 676 hrs. 45 min = 28.20 days = 90.96%

- lost 67 - 15 - = 2.80 - = 9.04%

Avg Hgt Bank = 4.1 ft.

- Depth = 17.2 -

Total - = 21.3 -

$$\text{Surface} \quad \begin{array}{r} 4450 \\ 3270 \\ \hline 1180 \end{array} \quad \begin{array}{r} 5622 \\ 4450 \\ \hline 1172 \end{array} \quad 1176 \times 17.67 = 20780 \text{ Sq. Yds.}$$

$$\text{Bedrock} \quad \begin{array}{r} 6770 \\ 5610 \\ \hline 1160 \end{array} \quad \begin{array}{r} 7930 \\ 6770 \\ \hline 1160 \end{array} \quad 1160 \times 17.67 = 20497$$

$$20497$$

$$\text{Avg Area} = 20638$$

$$20638 \times \frac{7.1}{3} = 146530 \text{ Cu. Yds.}$$

$$\frac{146530}{31} = 4727 \text{ Cu. Yds per day elapsed time}$$

$$\frac{146530}{28.20} = 5196 \quad - \quad - \quad \text{running} \quad -$$

Pond Elev. - 1875.1

Claims dredged - 81.82 B.L.D. Dom.

Surface Area - 4.29 Acres.

Avg Width - 210 Ft.

Length - 925 -

$$\begin{array}{r} 20780 \\ 9 \\ \hline 187020 \end{array} \quad \begin{array}{r} 20497 \\ 9 \\ \hline 184473 \end{array} \quad \begin{array}{r} 20638 \\ 9 \\ \hline 185742 \end{array}$$

Thaw Writeoff

$$\text{Block 87} \quad 295 \times 250 \times \frac{18.4}{27} = 50250 \text{ Cu Yds}$$

$$\text{Block 89} \quad 400 \times 120 \times \frac{20.2}{27} = \underline{35911} \quad " \quad "$$

$$\text{Total} \quad 86161 \quad " \quad "$$

Stripping Writeoff

$$\text{X}^n \text{ 201-202} \quad \text{Remainder} \quad 4426 \text{ Cu Yds}$$

$$\text{X}^n \text{ 202-203} \quad " \quad 4748 \quad " \quad "$$

$$\text{203-204} \quad 48.6 \% \quad 8000$$

$$\text{204-205} \quad 44.14 \% \quad \underline{7316} \quad " \quad "$$

$$\text{Total} \quad 24490$$

Dredge N:10 November 1954
 Shut down for season Nov 27 - 6 AM

Dredge operated 26 days
 ✓ dug 564 hrs. 45 min = 23.5 days = 90.45 ft
 ✓ lost 19 - 35 - = 2.48 - = 9.55 ft
 Avg Hgt Bank = 4.8 ft
 Depth = 16.7 - Depth in BR 6.0 ft
 Total = 21.5 -

Surface

6703
 5899
 804

7505
 6703
 802

803 17.67

14189 Sq. Yd.

Bedrock

8251
 7472
 779

9024
 8251
 773

776 X 17.67

1371.1
 27900 Sq. Yd
 " "

Av. Area

13950 " "

$$13950 \times \frac{21.5}{3} =$$

99975 Cubic Yards

$$\frac{99975}{26} =$$

3845 Cu. Yd per day Elapsed Time

$$\frac{99975}{23.52} =$$

4251 Cu. Yd. per day Digging Time

Pond El.
 Claims Dredged
 Surface Area
 Av. Width of Cut
 " Length "

1875.8
 82 and 83 B.L.D.
 293 Acres
 200'
 635'

127701

123,399

125550

Thaw WritcoffBlock 87
18.4

$$\frac{65 \times 30 \times 18.4}{27}$$

$$= 1328 \text{ Cu. Yds.}$$

✓ 89
20.2

$$\frac{130 \times 18 \times 20.2}{27}$$

$$= 1750$$

$$\text{Total} = 3078$$

Stripping WritcoffX2 203-204 - $\frac{1}{26}$ R

$$= 325 \text{ Cu. Yds.}$$

✓ 204-205 - $\frac{1}{26}$ R.

$$= 352$$

$$\text{Total} = 677$$

Dredge No 10

April 1953
Started April 25-11:00 am

Dredge operated 6 days

✓ dug 108 hrs. 40 min = 4.53 days = 75.46°
✓ lost 35 - 20 = 1.47 = 24.54°

Avg Hat Bank = 26 ft.

✓ Depth = 15.7 -

Total = 18.3 -

$$\text{Surface} - \begin{array}{r} 4679 \\ 4658 \\ \hline 21 \end{array} \quad \begin{array}{r} 4700 \\ 4679 \\ \hline 21 \end{array} \quad 21 \times 17.67 = 371 \text{ Sq. Yds.}$$

$$\text{Bedrock} - \begin{array}{r} 4722 \\ 4690 \\ \hline 32 \end{array} \quad \begin{array}{r} 4752 \\ 4722 \\ \hline 30 \end{array} \quad 31 \times 17.67 = 548$$

$$\begin{array}{r} 548 \\ 919 \\ \hline 460 \end{array}$$

$$\begin{array}{r} 6.1 \\ 460 \times 18.3 \\ \hline 3 \end{array} = 2806 \text{ Cu. Yds.}$$

$$\frac{2806}{6} = 468 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{2806}{4.53} = 619 \quad \checkmark \quad \text{running} \quad \checkmark$$

Pond Elev 1876.1

Claims dredged 82-83 BLD. Dam.

Surface Area = 0.08 Acres.

Avg width cut = 200 ft.

Length = 20 -

$$\begin{array}{r} 371 \\ 9 \\ \hline 3339 \end{array} \quad \begin{array}{r} 548 \\ 9 \\ \hline 4932 \end{array} \quad \begin{array}{r} 460 \\ 9 \\ \hline 4140 \end{array}$$

Thaw W/O

Block 86	$\frac{270 \times 70 \times 18.3}{27}$	= 12810 CY
✓ 87	- Remainder	= 6040 ✓
✓ 88	$\frac{230 \times 160 \times 19.8}{27}$	= 26986 ✓
✓ 89	$\frac{110 \times 140 \times 20.2}{27}$	= 11521 ✓
		Total = 57357

Strip W/O

✓ 202-203-204	- 1/2 Remainder	= 8135 CY
204-205	- 1/2 ✓	= 8791 ✓
		Total = 16926 ✓
Old Strip	$\frac{80 \times 70 \times 10}{9} \times 64$	= 14784 ✓
		Total = 31710 ✓

Dredge No 10

May 1913

Dredge operated 31 days

- dug 692 hrs 35 min = 28.86 days = 93.09 %

- lost 51 - 25 - = 2.14 - = 6.91 %

Avg. Hgt Bank = 5.6 Ft.

Depth = 16.1 -

Total = 21.7 -

Surface

$$\begin{array}{r} 5025 \\ 4561 \\ \hline 464 \end{array}$$

$$\begin{array}{r} 5499 \\ 5025 \\ \hline 474 \end{array}$$

$$\begin{array}{r} 5960 \\ 5499 \\ \hline 461 \end{array}$$

463 x 17.67 = 8181 Sq. Yds.

Bedrock

$$\begin{array}{r} 6859 \\ 6410 \\ \hline 449 \end{array}$$

$$\begin{array}{r} 7315 \\ 6850 \\ \hline 465 \end{array}$$

$$\begin{array}{r} 7766 \\ 7315 \\ \hline 451 \end{array}$$

451 x 17.67 = 7969 -

- 16150 -

Avg Area = 8075

$$8075 \times \frac{21.7}{3} = 58409 \text{ Cu. Yds.}$$

$$\frac{58409}{31} = 1884 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{58409}{28.86} = 2024 \text{ - running -}$$

Pond Elev

- 1875.5

Claims dredged

- 82-83 B&D Dam

Surface Area

- 1.69 Acres

Avg. width cut

- 225 ft.

Length

- 340 ✓

8181

9

73629

7969

9

71721

8075

9

72675

Thaw Writeoff

Block 86 - Remainder

= 4371 Cu.Yds

$$- 88 - \frac{340 \times 150 \times 19.8}{27}$$

= 37400 ✓

$$- 89 - \frac{190 \times 200 \times 20.2}{27}$$

= 28430 ✓

Total = 70201 ✓

Stripping Writeoff

Xⁿ 203-204 - Remainder

= 0

204-205 - ✓

= 0

205-206 - 1/2 ✓

= 7658 Cu.Yds.

206-207 - 3/4 ✓

= 7659 ✓

207-208 - 1/8 ✓

= 1585 ✓

Old stripping $\left(\frac{400 \times 200}{9} + \frac{220 \times 170}{9} \right) \times 2.64$

= 13040 ✓

Total = 29946 ✓

Dredge No 10

June 1953

Dredge operated 30 days

✓ dug 66 hrs 10 min = 27.59 days = 91.97 %

✓ lost 57 - 50 - = 2.41 - = 8.03 %

Avg. Hgt. Bank = 3.9 Ft.

Depth = 17.0 -

Total = 20.9 -

$$\begin{array}{r} \text{Surface} \quad 9595 \quad 0325 \\ \quad \quad 8861 \quad 9595 \\ \hline \quad \quad 734 \quad 730 \end{array}$$

$$732 \times 17.67 = 12934 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \quad 1023 \quad 1740 \\ \quad \quad 0313 \quad 1023 \\ \hline \quad \quad 710 \quad 717 \end{array}$$

$$714 \times 17.67 = 12616 \quad \checkmark$$

$$\checkmark \quad 25550$$

$$\text{Avg Area} = 12775 \quad \checkmark$$

$$12775 \times \frac{20.9}{3} = 88999 \text{ Cu. Yds}$$

$$\frac{88999}{30} = 2967 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{88999}{27.59} = 3226 \quad \checkmark \quad \text{running}$$

Pond Elev - 1875.1

Claims dredged - 82-83 B.L.D. Dam.

Surface area - 2.67 Acres

Avg. width cut - 200 Ft.

Length - 565 ✓

$$\begin{array}{r} 12934 \\ 9 \\ \hline 116406 \end{array}$$

$$\begin{array}{r} 12616 \\ 9 \\ \hline 113544 \end{array}$$

$$\begin{array}{r} 12775 \\ 9 \\ \hline 114975 \end{array}$$

Thaw Writeoff

$$\text{Block 89} - \frac{5083}{20.2} \times 20.2 = 102677 \text{ Cu Yds.}$$

Strip W/O

$$\text{X}^n 201-206 - \text{Remainder} = 7657 \text{ Cu Yds.}$$

$$206-207 - \quad \quad \quad = 5108 \quad \quad \quad$$

$$207-208 - \frac{1}{4} \quad \quad \quad = 2774 \quad \quad \quad$$

$$208-209 - \frac{1}{4} \quad \quad \quad = 4063 \quad \quad \quad$$

$$\text{Total} = 19602 \quad \quad \quad$$

Dredge No 10

July 1953

Dredge operated 31 days

- dug 179 hrs. 25 min = 28.31 days = 91.32 %
 - lost 64' 35' = 2.69 = 8.68 %

Avg Hgt Bank = 4.9 ft

Depth = 15.9

Total = 20.8

(5.9)

Surface

$$\begin{array}{r} 5256 \\ 4393 \\ \hline 863 \end{array}$$

$$\begin{array}{r} 6119 \\ 5256 \\ \hline 863 \end{array}$$

$$863 \times 17.67 = 15249$$

Sq Yds

Bedrock

$$\begin{array}{r} 6980 \\ 6119 \\ \hline 861 \end{array}$$

$$\begin{array}{r} 7836 \\ 6980 \\ \hline 856 \end{array}$$

$$859 \times 17.67 = 15179$$

Sq Yds

$$= 30428$$

$$\text{Avg Area} = 15214$$

$$15214 \times \frac{20.8}{3} = 105484 \text{ Cu Yds.}$$

$$\frac{105484}{31} = 3403 \text{ Cu Yds per day elapsed time}$$

$$\frac{105484}{28.31} = 3726$$

running

Pond Elev - 1872.9
 Claims dredged - 83 BLD Dorn
 Surface area - 3.15 Acres
 Avg Width - 225
 Length - 510

$$\begin{array}{r} 15249 \\ 9 \\ \hline 137241 \end{array}$$

$$\begin{array}{r} 15179 \\ 9 \\ \hline 136611 \end{array}$$

$$\begin{array}{r} 15214 \\ 9 \\ \hline 136926 \end{array}$$

Thaw W/O

Block 89 - Remainder = 52011 Cu.Yds.

✓ 88 - = 72194 ✓

- 90 - $\frac{2976}{2582} \frac{3381}{2976} \frac{133}{399} \times 17.67 \times 19.0 = 44650$ ✓

✓ 91 - $\frac{280 \times 30 \times 21.6}{27} = 6750$ ✓

Total = 175575 ✓

Strip W/O

✓ 207-208 - Remainder = 8323 Cu.Yds.

208-209 - = 12189 ✓

209-210 - $\frac{1}{3}$ ✓ = 6803 ✓

210-211 - $\frac{1}{8}$ ✓ = 2994 ✓

30309 ✓

Old Stripping - $\frac{5259}{4517} \frac{6004}{5259} \frac{744}{745} \times 17.67 \times 2.64 = 34705$ ✓

Total = 65014 ✓

Dredge #10

Aug 1913

Dredge operated 31 days

dug 680 hrs. 50 min = 28.37 days = 91.51 %

lost 63 " 10 " = 2.63 " = 8.49 %

Avg Hgt Bank = 4.5 ft

Depth = 15.5 "

Total = 20.0 "

(58)

Surface

9003

0158

7841

9003

1162

1155

1159 x 17.67

=

20480

Sq. Yds.

Bedrock

1300

2458

0149

1300

1151

1158

1155 x 17.67

=

20409

✓

40889

✓

Avg Area

=

20445

✓

6815

20445 x 20.0 = 136300 Cu. Yds.

3

136300

31

= 4397 Cu. Yds. per day elapsed time

136300

28.37

= 4804

✓

running

Pond Elev - 1874.0

Claims dredged - 83-84 BLD Dam.

Surface area - 4.23 Acres.

Avg. Width - 225 ft

Length - 785 ✓

20480

9

184320

20409

9

183681

20445

9

184005

Thaw W/O

$$\text{Block 90} - \frac{2185}{19.0} - \frac{1773}{412} \quad \frac{2589}{2185} \quad \frac{404}{404}$$

$$408 \times 17.67 \times \frac{5.89}{2} \times 19.0 = 45657 \text{ Co. Wds.}$$

$$\text{91} - \frac{4558}{21.6} - \frac{3583}{945} \quad \frac{5493}{4558} \quad \frac{6459}{5493} \quad \frac{966}{966}$$

$$966 \times 17.67 \times \frac{7.2}{3} \times 21.6 = 122897 -$$

$$\text{Total} = 168554 -$$

Strip W/O

$$\times 2 \quad 209-210 - \text{Remainder}$$

$$= 13605 \text{ Co. Wds.}$$

$$210-211 -$$

$$= 20958 -$$

$$211-212 - \frac{1}{4} -$$

$$= 6149 -$$

$$\text{Total} = 40712 -$$

$$\text{Old Stripping} \quad \frac{325 \times 100}{9} \times 2.64$$

$$= 9533 -$$

$$\text{Total} = 50245 -$$

Dredge #10

September 1953

Dredge operated 30 days

- Aug 660 hrs. 45 min = 27.53 days = 91.77 %

- lost 59 - 15 - = 2.47 - = 8.23 %

Avg Hgt Bank = 4.0 ft.

- Depth = 16.5 -

Total - = 20.5 -

(6.1)

Surface $\begin{array}{r} 1765 \\ 0500 \\ \hline 1265 \end{array}$ $\begin{array}{r} 3022 \\ 1765 \\ \hline 1257 \end{array}$ $1261 \times 17.67 = 22282 \text{ Sq. Yds.}$

Bedrock $\begin{array}{r} 4268 \\ 3020 \\ \hline 1248 \end{array}$ $\begin{array}{r} 1512 \\ 4268 \\ \hline 1244 \end{array}$ $1246 \times 17.67 = 22016$ ✓
 $\begin{array}{r} 22016 \\ 44298 \\ \hline \end{array}$

Avg Area = 22149 ✓

$\begin{array}{r} 7383 \\ 22149 \times \frac{20.5}{3} = 151352 \text{ Cu. Yds} \end{array}$

$\frac{151352}{30} = 5045 \text{ Cu Yds. per day elapsed time}$

$\frac{151352}{27.53} = 5498$ ✓ - running -

Pond Elev - 1874.0
 Claims dredged - 83.84 BLD
 Surface area - 4.60 Acres.
 Avg width - 225 Ft.
 Length - 1040 -

$\begin{array}{r} 22282 \\ 9 \\ \hline 200538 \end{array}$ $\begin{array}{r} 22016 \\ 9 \\ \hline 198144 \end{array}$ $\begin{array}{r} 22149 \\ 9 \\ \hline 199341 \end{array}$

Thaw Writeoff

Block 91	-	$\frac{4180}{3594}$	$\frac{4767}{4180}$	-	$587 \times 17.67 \times \frac{7.2}{3} = 74549 \text{ Cu Yds.}$
21.6		$\frac{286}{586}$	$\frac{587}{587}$		
- 90	-	$\frac{4626}{4151}$	$\frac{5094}{4626}$	-	$479 \times 12.67 \times \frac{5.89}{3} = 53599$
19.0		$\frac{475}{468}$	$\frac{468}{468}$		
- 92	-	$\frac{315 \times 45}{27} \times 16.3$		-	4374
16.3					
				Total	$= 132522$

Strip Writeoff

X ² 211-212	-	$\frac{4}{5}$ Remainder	=	14756 Cu Yds.
212-213	-	85%	=	19405
213-214	-	$\frac{2}{5}$	=	<u>7706</u>
				41867
Old Stepping	-	$\frac{230 \times 225}{9} \times 2.64$	=	<u>15180</u>
			Total	$= 57047$

Dr #10

October 1953

Dredge operated 31 days - 28 for depth

✓ dug 608 hrs. 0 min = 25.33 days = 81.72 T.

✓ lost 136 - 0 - = 5.67 - = 18.28 T.

Avg. Nat Bank = 3.0 ft.

✓ Depth = 16.5 -

Total = 19.5 -

(5.7)

$$\text{Surface} - \frac{8630}{7534} \frac{9730}{8630} \quad 1098 \times 17.67 = 19402 \text{ Cu. Yds.}$$

$$\frac{1096}{1100}$$

$$\text{Bedrock} - \frac{0825}{9720} \frac{1927}{0825} \quad 1104 \times 17.67 = \frac{19508}{\sqrt{38910}}$$

$$\frac{1105}{1102}$$

$$\text{Avg Area} = 19455 -$$

$$19455 \times \frac{6.5}{3} = 176458 \text{ Cu. Yds.}$$

$$\frac{176458}{31} = 4079 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{176458}{25.33} = 4992 \quad - \text{ running } \checkmark$$

Pond Elev - 1873.8
 Claims dredged - 84 BLD Dam.
 Surface area - 4.00 Acres
 Avg Width cut - 180 Ft.
 Length - 890 ✓

$$\begin{array}{r} 19402 \\ 9 \\ \hline 174618 \end{array} \quad \begin{array}{r} 19508 \\ 9 \\ \hline 175572 \end{array} \quad \begin{array}{r} 19455 \\ 9 \\ \hline 175095 \end{array}$$

Thaw Whiteoff

$$\text{Block 90} - \text{Remainder} = 11261 \text{ Cu. Yds.}$$

$$\begin{array}{r}
 \text{16.3} \\
 \times 92 \\
 \hline
 14909
 \end{array}
 \quad
 \begin{array}{r}
 3636 \\
 3600 \\
 \hline
 36
 \end{array}
 \quad
 \begin{array}{r}
 3676 \\
 3636 \\
 \hline
 40
 \end{array}
 \quad
 \begin{array}{r}
 5.89 \\
 38 \times 1767 \times 16.3 \\
 \hline
 3
 \end{array}
 \quad
 \begin{array}{r}
 3648 \\
 \hline
 14909
 \end{array}
 \quad
 \checkmark$$

Strip Whiteoff

$$211-212 = \text{Remainder} = 3691 \text{ Cu. Yds.}$$

$$212-213 = 3425 \quad \checkmark$$

$$213-214 = 578 \quad \checkmark$$

$$\text{Total} = 7694 \quad -$$

$$\text{Old stripping} - \text{Remainder} = 10380 \quad \checkmark$$

$$\text{Total} = 18074 \quad -$$

Dredge No 10

Nov. 1913

Shut down Nov 11 - 8:00 AM

Dredge operated 10 days.

✓ Aug 18th hrs. 10 min = 7.74 days = 77.43²¹✓ lost 54 " 10 " = 2.26 " = 22.57²¹

Avg Hgt Bank = 4.6 ft.

✓ Depth = 14.3 -

Total = 18.9 -

(6.0)

$$\begin{array}{r} \text{Surface} \quad \begin{array}{r} 0786 \\ 0623 \\ \hline 163 \end{array} \quad \begin{array}{r} 0941 \\ 0786 \\ \hline 159 \end{array} \quad 161 \times 17.67 = 2845 \quad \text{Sq. Yds} \end{array}$$

$$\begin{array}{r} \text{Bedrock} \quad \begin{array}{r} 1112 \\ 0944 \\ \hline 168 \end{array} \quad \begin{array}{r} 1280 \\ 1112 \\ \hline 168 \end{array} \quad 168 \times 17.67 = 2969 \end{array}$$

$$\sqrt{5814}$$

$$\text{Avg Area} = 2907$$

$$2907 \times \frac{18.9}{3} = 18314 \text{ Cu. Yds.}$$

$$\frac{18314}{10} = 1831 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{18314}{7.74} = 2366 \text{ - running -}$$

Pond Elev. =

Claims dredged - 84 BLD Dams

Surface area - 0.59 Acres.

Avg. Width - 210 Ft.

Length - 110

$$\begin{array}{r} 2845 \\ 9 \\ \hline 25605 \end{array} \quad \begin{array}{r} 2969 \\ 9 \\ \hline 26721 \end{array} \quad \begin{array}{r} 2907 \\ 9 \\ \hline 26163 \end{array}$$

Thaw WriteoffBlock 92
16.3

$$200 \times \frac{500 \times 16.3}{27}$$

$$= 36772 \text{ Cu.Yds}$$

Stripping Write Off

$$X^A \quad 213 - 214 - \frac{1}{6} \text{ Remainder} = 1830 \text{ Cu.Yds}$$

$$214 - 215 - \frac{1}{5} \quad \checkmark \quad = 439 \checkmark$$

$$215 - 216 - \frac{1}{6} \quad \checkmark \quad = 3876 \checkmark$$

$$\text{Total} = \underline{10048}$$

Dredge No 10

May 1952
Started May 6 - 3:00 PM

Dredge operated 26 days

- dug 576 hrs. 30 min = 24.0 days - 9.39 %

- lost 47 - 30 - 1.98 - 7.61 %

Avg Wet Bank = 4.3 Ft.

- Depth = 15.3 -

Total = 19.6 -

(6.3)

Surface

8737	9089
<u>8379</u>	<u>8737</u>
358	352

355 x 17.67 = 6273 Sq Yds

Bedrock

9442	9778
<u>9105</u>	<u>9442</u>
337	336

337 x 17.67 = 5955 Sq Yds

✓ 12228

Avg Area = 6114 ✓

2038

$\frac{6114 \times 19.6}{3} = 39945 \text{ Cu Yds}$

$\frac{39945}{26} = 1536 \text{ Cu Yds per day elapsed time}$

$\frac{39945}{24.02} = 1663 \text{ - running -}$

Pond Elev - 1870.9
Claims dredged - 84.85 B.L.D.
Surface Area - 1.30 Acres.
Avg Width - 200 Ft
✓ Length - 300 ✓

6273	5955	6114
<u>9</u>	<u>9</u>	<u>9</u>
56457	53595	55026

Thaw Whitecoll

$$\text{Block 92} - \begin{array}{r} 0650 \\ 0283 \\ \hline 367 \end{array} \quad \begin{array}{r} 1005 \\ 0250 \\ \hline 355 \end{array}$$

$$361 \times 1267 \times 16.3 = 34656 \text{ Culls}$$

$$\text{✓ 94} - \begin{array}{r} 1157 \\ 0948 \\ \hline 209 \end{array} \quad \begin{array}{r} 1364 \\ 1157 \\ \hline 207 \end{array}$$

$$208 \times 1267 \times 16.9 = 20800 -$$

$$\text{Total} = 55456$$

Strip. Whitecoll

$$216-217 - \frac{1}{4} \text{ Remainder} = 6156 \text{ Culls}$$

$$217-218 - \frac{2}{5} = 11300 -$$

$$218-219 - \frac{1}{4} = 6756 -$$

$$\text{Total} = 24212 -$$

Dredge #10

June 1954

Dredge operated 30 days

✓ dug 668 hrs. 15 min = 27.84 days = 92.81 %

✓ lost 51' 45" = 2.16' = 7.19 %

Avg Hgt. Bank = 2.9 Ft.

✓ Depth = 15.2'

Total = 18.1'

(5.8)

Surface

$$\begin{array}{r} 3810 \\ 3200 \\ \hline 610 \end{array} \quad \begin{array}{r} 4419 \\ 3810 \\ \hline 609 \end{array}$$

$$610 \times 17.67 = 10779 \text{ Cu. Yds.}$$

Bedrock

$$\begin{array}{r} 4999 \\ 4423 \\ \hline 576 \end{array} \quad \begin{array}{r} 5580 \\ 4999 \\ \hline 581 \end{array}$$

$$579 \times 17.67 = 10231$$

$$\checkmark \underline{21010}$$

$$\text{Avg area} = 10505$$

$$10505 \times \frac{18.1}{3} = 63380 \text{ Cu. Yds.}$$

$$\frac{63380}{30} = 2113 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{63380}{27.84} = 2277 \text{ running}$$

Pond Elev - 1868.7
 Claims dredged - 85 BLD
 Surface area - 2.22 Acres
 Avg width - 200 Ft.
 Length - 430'

$$\begin{array}{r} 10779 \\ 9 \\ \hline 97011 \end{array} \quad \begin{array}{r} 10231 \\ 9 \\ \hline 92079 \end{array} \quad \begin{array}{r} 10505 \\ 9 \\ \hline 94545 \end{array}$$

Shaw Workoff

Block 92 - Remainder = 77987 CuYds.

- 93 - $\frac{500 \times 155 \times 20.0}{27}$ = 37475 -

Total = 115462

Strip Workoff217-218 - $\frac{1}{15}$ Remainder = 1130 CuYds.216-217 - $\frac{2}{3}$ = 12312 -215-216 - $\frac{2}{3}$ = 12752 -214-215 - $\frac{3}{5}$ = 10539 -213-214 - $\frac{1}{2}$ = 4576 -

Total = 41309 -

Dr #10

July 1954

Dredge operated 31 days
✓ Aug 680 hrs. 20 min = 28.35 days = 91.47%
✓ lost 63 - 20 - = 2.65 - ✓ = 8.53%
Avg Hgt Bank = 4.9 ft.
Depth - 14.5 - ✓
Total - = 19.4 -

(7.4)

Surface

6078	7034		
<u>5120</u>	<u>6078</u>	957 x 17.67	= 16910 Sq. Yds.
958	956		

Bedrock

8000	8956		
<u>7039</u>	<u>8000</u>	959 x 17.67	= 16946 -
961	956		✓ 33856

Avg Area = 16928 -

$$16928 \times \frac{19.4}{3} = 109468 \text{ Cu. Yds}$$

$$\frac{109468}{31} = 3531 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{109468}{28.35} = 3861 \text{ - running -}$$

Pond Elev - 1870.9
Claims dredged 84-85 BLD
Surface Area - 3.49 Acres
Avg width - 200 ft.
Length - 740 ✓

16910	16946	16928
<u>9</u>	<u>9</u>	<u>9</u>
152190	152554	152352

Thaw Writeoff

Block 91 - Remainder

= 11431 Cu.Yds.

$$\checkmark \frac{93}{20.4} - 130825 - \frac{250 \times 120 \times 20.4}{2}$$

= 119492 ✓

$$\checkmark \frac{95}{18.4} - \frac{20 \times 160 \times 18.4}{2}$$

= 5452 ✓

Total = 136375 ✓

Strip Writeoff

NO 213-214 - Remainder

= 4577 Cu.Yds.

$$\checkmark 214 - 215 - \quad \checkmark$$

= 7028 ✓

$$\checkmark 215 - 216 - \quad \checkmark$$

= 6377 ✓

$$\checkmark 216 - 217 - \quad \checkmark$$

= 6157 ✓

$$\checkmark 217 - 218 - \quad \checkmark$$

= 15822 ✓

$$\checkmark 218 - 219 - 1/3 \quad \checkmark$$

= 6756 ✓

Total = 46717 ✓

Dredge N^o 10

August 1954

Dredge operated 31 days

" dug 684 hrs. 15 min = 28.51 days = 91.97 %

" lost 59 - 45 - = 2.49 - = 8.03 %

Avg Hgt Bank = 2.9 ft.

" Depth = 16.4 -

Total = 19.3 ✓

(5.1)

Surface $\begin{array}{r} 2449 \\ 1318 \\ \hline 1131 \end{array}$ $\begin{array}{r} 3583 \\ 2449 \\ \hline 1134 \end{array}$ $1133 \times 17.67 = 20020 \text{ Sq. Yds.}$

Bedrock $\begin{array}{r} 4691 \\ 3571 \\ \hline 1120 \end{array}$ $\begin{array}{r} 5810 \\ 4691 \\ \hline 1119 \end{array}$ $1120 \times 17.67 = 19790$
 $\checkmark \quad \checkmark \quad \underline{39810}$
 Avg Area = 19905 ✓

6635
 $\frac{19905 \times 19.3}{3} = 128056 \text{ Cu. Yds}$

$\frac{128056}{31} = 4131 = \text{Cu. Yds. per day elapsed time}$

$\frac{128056}{28.51} = 4492 = \text{running}$

Pond Blw - 1872.0
 Claims dredged - 84-85-86 B.L.D.
 Surface Area - 4.14 Acres.
 Avg width - 20 ft.
 Length - 580 ✓

$\begin{array}{r} 20020 \\ 9 \\ \hline 180180 \end{array}$ $\begin{array}{r} 19790 \\ 9 \\ \hline 178110 \end{array}$ $\begin{array}{r} 19905 \\ 9 \\ \hline 179145 \end{array}$

Tham V/D

Block #93 - Remainder

$$= 11333 \text{ CuYds}$$

$$\#94 - \frac{510 \times 210 \times 16.9}{12.9 \times 27} = 67037 \quad \checkmark$$

$$\#95 - \frac{365 \times 210 \times 18.4}{18.4 \times 27} = 52235 \quad \checkmark$$

$$\text{Total} = 130605 \quad \checkmark$$

Strip V/D

218-219 - Remainder

$$= 13543 \text{ CuYds}$$

$$219-220 - \quad \checkmark$$

$$= 24185 \quad \checkmark$$

$$220-221 - 3/4 \quad \checkmark$$

$$= 12899 \quad \checkmark$$

$$\text{Total} = 54597 \quad \checkmark$$

Dredge No. 10

Sept 1954

Dredge operated 30 days

✓ dug 666 hrs. 0 min = 27.75 days = 92.50 %

✓ lost 54 - 0 = 2.25 - = 7.50 %

Avg Hgt Bank = 2.8 Ft

Depth = 14.8 -

Total = 17.6 -

(5.8)

$$\begin{array}{r} \text{Surface} - \frac{92.5}{1167} \quad \frac{1626}{1164} \quad \frac{2795}{1169} \\ \hline \end{array}$$

$$1167 \times 17.67 = 20621 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \frac{3962}{1162} \quad \frac{5138}{1176} \quad \frac{6308}{1170} \\ \hline \end{array}$$

$$1170 \times 17.67 = 20673 \checkmark$$

$$\checkmark \frac{41294}{-}$$

$$\text{Avg Area} = 20697 -$$

$$\frac{6899}{20697 \times 17.6} = 121422 \text{ Cu. Yds}$$

$$\frac{121422}{30} = 4047 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{121422}{27.75} = 4376 \quad \text{running} -$$

Pond Elev - 1882.5
 Claims dredged - 85.86 D.C.D.
 Surface Area - 4.23 Acres
 Avg Width - 200 Ft.
 Length - 890 -

$$\begin{array}{r} 20621 \\ 9 \\ \hline 185589 \end{array} \quad \begin{array}{r} 20673 \\ 9 \\ \hline 186057 \end{array} \quad \begin{array}{r} 20697 \\ 9 \\ \hline 186273 \end{array}$$

Shaw W/D

Block #94 -	Remainder	=	88768 Cu.Yds.
✓ #95 -	✓	=	57006 ✓
✓ #96 -	$\frac{160 \times 100 \times 19.1}{27}$	=	11319 ✓
✓ #97 -	$\frac{230 \times 130 \times 19.6}{27}$	=	<u>21705</u> ✓
Total =			178798 ✓

Shipping W/D

X2 220-221 -	Remainder	=	5635 Cu.Yds.
221-222 -	✓	=	21460 ✓
222-223 -	$\frac{5}{6}$ ✓	=	16175 ✓
223-224 -	$\frac{1}{2}$ ✓	=	808 ✓
224-225 -	$\frac{2}{3}$ ✓	=	<u>5974</u> ✓
Total =			57326 ✓

Dredge No 10

October 1914

Dredge operated 31 days

 $\checkmark$ dug 187 hrs. 40 min = 28.6 days - 92.432
 $\checkmark$ lost 56 - 20 = 2.35 = 7.1720

Avg Hgt. Bank = 2.2 Ft.

Depth = 15.6

(4.5)

Total = 17.8

$$\text{Surface} - \begin{array}{r} 1230 \\ 0339 \\ \hline 1291 \end{array} \quad \begin{array}{r} 2923 \\ 1630 \\ \hline 1293 \end{array} \quad 1292 \times 17.67 = 22830 \text{ Sq. Yds.}$$

$$\text{Bedrock} \quad \begin{array}{r} 4190 \\ 2919 \\ \hline 1271 \end{array} \quad \begin{array}{r} 5252 \\ 4190 \\ \hline 1262 \end{array} \quad 1267 \times 17.67 = 22388 -$$

 $\checkmark$ 45218

$$\text{Avg. Area} = 22609$$

$$\frac{22609 \times 17.8}{3} = 134147 \text{ Cu. Yds.}$$

$$\frac{134147}{31} = 4327 \text{ Cu. Yds. per day elapsed time.}$$

$$\frac{134147}{28.65} = 4682 - \text{running} -$$

Pond Elev - 2867.4
 Claims dredged - 86.86 A BLD.
 Surface Area - 4.72 Acres.
 Avg width - 200 Ft.
 Length - 1050 $\checkmark$

$$\begin{array}{r} 22830 \\ 9 \\ \hline 205470 \end{array} \quad \begin{array}{r} 22388 \\ 9 \\ \hline 201492 \end{array} \quad \begin{array}{r} 22609 \\ 9 \\ \hline 203481 \end{array}$$

Tham Weiteoff

Block 94 - Remainder

= 0 Cus.

$$- 96 - \frac{420 \times 210 \times 19.1}{27}$$

$$= 62393 -$$

$$\underline{62393 -}$$

Strip W/O

X2 222-223 - Remainder

= 3237 Cus.

223-224 -

= 8081 -

224-225 - 2/3 -

= 5972 -

Total = 17290 -

Dredge N-10

Nov 1954
Shutdown Nov 26 - 10:30 pm

Dredge operated 26 days (w/ for depth)
dug 512 hrs. 05 min = 21.34 days = 82.06 %
lost 111 " 55 " = 4.66 " = 17.94 %
Avg. Hat Bank = 5.5 ft
Depth = 14.3 "
Total = 19.8 "
(5.0)

Surface

5660	6114	6578
5189	5660	6114
471	454	464

464 x 17.67 = 8199 Sq. Yds.

Bedrock

7024	7473
6578	7024
446	449

448 x 17.67 = 7916 -

Avg Area = $\frac{16115}{8058}$ -

$8058 \times \frac{6.6}{3} = 53183$ Cu. Yds.

$\frac{53183}{26} = 2046$ Cu. Yds. per day elapsed time

$\frac{53183}{21.34} = 2492$ - running -

Pond Elev - 1865.1
Claims dredged - 86A BLD
Surface Area - 1.69 Acres
Avg width - 200 ft
Length - 400 -

8199	7916	8058
9	9	9
73791	71244	72527

Thaw. Writeoff

Block 96 -
19.1
$$\begin{array}{r} 0915 \\ 0640 \\ \hline 275 \end{array}$$

$$\begin{array}{r} 1190 \\ 0915 \\ \hline 275 \end{array}$$

$$275 \times 17.67 \times 19.1 = 30942 \text{ CuYds.}$$

Strip Writeoff

x2 - 225-226 - $\frac{1}{3}$ Remainder

$$= 5386 \text{ CuYds.}$$

226-227 - $\frac{1}{3}$ -

$$= 5328 -$$

227-228 - $\frac{1}{6}$ -

$$= 2252 -$$

$$\text{Total} = 12968 -$$

Dredge No 10

May 1955
Started May 1 - 8:00 AM.

Dredge operated 31 days.

✓ dug 649 hrs. 20 min = 27.06 days = 87.28 %

✓ lost 94 " 40 " = 3.94 " = 12.72 %

Avg. Hgt. Bank = 4.9 Ft.

Depth = 15.6 -

(4.9)

Total = 20.5 -

$$\begin{array}{r} \text{Surface} \\ 1472 \\ - 1148 \\ \hline 324 \end{array} \quad \begin{array}{r} 1793 \\ 1472 \\ \hline 321 \end{array}$$

$$323 \times 17.67 = 5707 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \\ 2112 \\ 1805 \\ \hline 307 \end{array} \quad \begin{array}{r} 2418 \\ 2112 \\ \hline 306 \end{array}$$

$$307 \times 17.67 = 5425 -$$

$$- 11132 -$$

$$\text{Avg. Area} = 5566 \checkmark$$

$$5566 \times \frac{20.5}{3} = 38034 \text{ Cu. Yds.}$$

$$\frac{38034}{31} = 1227 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{38034}{27.06} = 1406 - \text{ running -}$$

Pond Elev - 1865.7
 Claims dredged - 86A-87 BLD.
 Surface Area - 1.18 Acres.
 Avg. Width Cut - 225 Ft.
 Length - 230 ✓

$$\begin{array}{r} 5707 \\ 9 \\ \hline 51363 \end{array} \quad \begin{array}{r} 5425 \\ 9 \\ \hline 48825 \end{array} \quad \begin{array}{r} 5566 \\ 9 \\ \hline 50094 \end{array}$$

Thaw W/O

$$\text{Block 96 - Remainder} - \left(\frac{47828 \times 6915}{270 \times 85 \times 19.1} \right) = 40913 \text{ Cu.Yds.}$$

$$\text{Block 97 - Remainder} = 50194 \checkmark$$

$$\text{Total} = 91107 \checkmark$$

Strip. W/O

$$\text{X2 224-225 - Remainder} = 2987 \text{ Cu.Yds.}$$

$$225-226 - \checkmark = 10773 \checkmark$$

$$226-227 - \checkmark = 10657 \checkmark$$

$$227-228 - \frac{1}{2} \checkmark = 5636 \checkmark$$

$$\text{Total} = 30053 \checkmark$$

Dredge #10

June 1945

Dredge operated 30 days

✓ dug 656 hrs. 30 min = 27.35 days = 91.18 %

✓ lost 63 - 30 = 2.65 = 8.82 %

Avg. Hgt Bank = 4.4 ft.

✓ Depth = 15.0

Total = 19.4

(4.8)

Surface $\frac{8241}{7480} \frac{8997}{8241}$
 $\frac{761}{754}$

$$759 \times 17.67 = 13412 \text{ Sq. Yds.}$$

Bedrock $\frac{9761}{9000} \frac{0520}{9761} \frac{1773}{0520}$
 $\frac{761}{754} \frac{754}{753}$

$$754 \times 17.67 = 13323$$

$$\frac{26735}{-}$$

$$\text{Avg Area} = 13368 \checkmark$$

$$\frac{14456}{13368 \times 19.4} = 86446 \text{ Cu. Yds}$$

$$\frac{86446}{30} = 2882 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{86446}{27.35} = 3161 \quad - \quad \text{running} \quad -$$

Pond Elev - 1866.7
 Claims dredged - 86 A - 87 BLD
 Surface Area - 2.77 Acres.
 Avg Width - 250 Ft.
 Length - 515 -

$\frac{13412}{9}$	$\frac{13323}{9}$	$\frac{13368}{9}$
120708	119907	120312

Thaw W/O

Block 96 - Remainder = 6915 Cu.Yds.

✓ 98 - $\frac{380 \times 240 \times 20.4}{27}$ = 68907 ✓✓ 99 - $\frac{375 \times 120 \times 20.9}{27}$ = 34833 ✓

Total = 110615

Strip W/O

✓ 227-228 - Remainder = 5636 Cu.Yds.

228-229 - ✓ = 12267 ✓

229-230 - $\frac{1}{3}$ ✓ = 4080 ✓230-231 - $\frac{1}{3}$ ✓ = 4870 ✓

Total = 26853 ✓

Dredge N=10

July 1955

Dredge operated 31 days

✓ dug 670 hrs 0 min = 27.9 days = 90.05%

✓ lost 74.0 min = 3.08 = 9.95%

Avg Hgt Bank = 4.3 ft.

Depth = 15.2

Total = 19.5

(4.3)

Surface

$$\begin{array}{r} 0199 \\ 9325 \\ \hline 874 \end{array}$$

1078

$$\begin{array}{r} 0199 \\ \hline 879 \end{array}$$

$877 \times 17.67 = 15497$ Sq. Yds.

Bedrock

$$\begin{array}{r} 1937 \\ 1071 \\ \hline 866 \end{array}$$

2792

$$\begin{array}{r} 1937 \\ \hline 855 \end{array}$$

$860 \times 17.67 = 15196$

$$\begin{array}{r} 15196 \\ 2 \\ \hline 30393 \end{array}$$

Avg Area = 15347

$$15347 \times \frac{19.5}{3} = 99756 \text{ Cu. Yds.}$$

$$\frac{99756}{31} = 3218 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{99756}{27.9} = 3573 \text{ running}$$

Pond Elev - 1867.1
 Claims dredged - 87 BLD
 Surface Area - 3.20 Acres
 Avg Width - 200 ft
 Length - 750

15497

$$\begin{array}{r} 9 \\ \hline 139473 \end{array}$$

15196

$$\begin{array}{r} 9 \\ \hline 136764 \end{array}$$

15347

$$\begin{array}{r} 9 \\ \hline 138123 \end{array}$$

Shaw Writcoff

$$\begin{aligned}
 \text{Block 98} &= \frac{210 \times 270 \times 20.4}{27} = 42840 \text{ CuYds.} \\
 - 100 &= \frac{210 \times 420 \times 20.3}{27} = 66313 \quad \checkmark \\
 \text{Total} &= 109153 \quad \checkmark
 \end{aligned}$$

Strip Writcoff

$$\begin{aligned}
 X9 - 231 - 232 &= \frac{1}{3} \text{ Remainder} = 4998 \text{ CuYds} \\
 232 - 233 &= \quad \quad \quad = 4099 \quad \checkmark \\
 233 - 234 &= \quad \quad \quad = 5241 \quad \checkmark \\
 234 - 235 &= \quad \quad \quad = 6607 \quad \checkmark \\
 235 - 236 &= \quad \quad \quad = 6733 \quad \checkmark \\
 236 - 237 &= \quad \quad \quad = 6849 \quad \checkmark \\
 237 - 238 &= \quad \quad \quad = 7047 \quad \checkmark \\
 \text{Total} &= 41574 \quad \checkmark
 \end{aligned}$$

Dredge No 10

August 1950

Dredge operated 31 days
 dug 684 hrs. 50 min = 28.53 days = 92.05 %
 lost 59 " 10 " = 2.47 " = 7.95 %
 Avg Net Bank = 3.3 ft.
 Depth = 17.9 - (4.2)
 Total = 21.2

$$\begin{array}{r} \text{Surface} \quad \begin{array}{r} 9571 \\ 8590 \\ \hline 981 \end{array} \quad \begin{array}{r} 0546 \\ 9571 \\ \hline 975 \end{array} \end{array}$$

$$978 \times 17.67 = 17281 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} \quad \begin{array}{r} 1468 \\ 0547 \\ \hline 921 \end{array} \quad \begin{array}{r} 2384 \\ 1468 \\ \hline 916 \end{array} \end{array}$$

$$919 \times 17.67 = 16239 -$$

$$- 33520$$

$$\text{Avg Area} = 16760 -$$

$$16760 \times \frac{21.2}{3} = 118437 \text{ Cu. Yds.}$$

$$\frac{118437}{31} = 3821 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{118437}{28.53} = 4151 - \text{ running} -$$

Pond Elev - 1863.8
 Claims dredged - 87A-87B - 840 Dam.
 Surface area - 3.57 Acres
 Avg width - 210 ft.
 Length - 700 -

$$\begin{array}{r} 17281 \\ 9 \\ \hline 155529 \end{array} \quad \begin{array}{r} 16239 \\ 9 \\ \hline 146151 \end{array} \quad \begin{array}{r} 16760 \\ 9 \\ \hline 150840 \end{array}$$

Thaw W/O

Block 100 - Remainder = 38909 Cums

$$102 - \frac{200 \times 160 \times 18.9}{27} = 22400 \checkmark$$

$$103 - \frac{285 \times 400 \times 20.0}{27} = \underline{84444} \checkmark$$

$$\text{Total} = 145753 \checkmark$$

Stripping W/O

$$X^2 \quad 237 - 238 - \frac{1}{7} \text{ Remainder} = 2013 \text{ Cums.}$$

$$238 - 239 - \frac{2}{13} \checkmark = 1540 \checkmark$$

$$239 - 240 - \frac{2}{13} \checkmark = 16320 \checkmark$$

$$240 - 241 - \frac{7}{8} \checkmark = 19299 \checkmark$$

$$241 - 242 - \frac{2}{3} \checkmark = \underline{12418} \checkmark$$

$$\text{Total} = 65890 \checkmark$$

Dredge No 10

Sept 1922

Dredge operated 30 days

dugger hrs. or min = 27.59 days = 91.96%

lost 57 - 55 - = 2.41 - = 8.04%

Avg Hat Bant = 1.6 ft.

Depth = 16.9

(3.4)

Total = 18.5

Surface

1626	2238
6507	1226
1119	1112

1116 x 17.67 = 19720 Sq Yds.

Bedrock

3800	4860
2740	3800
1060	1060

1060 x 17.57 = 18730

38452

Avg Area = 19226

19226 x 18.5 = 118560 Cu Yds.

3

118560 / 30 = 3952 Cu Yds. per day elapsed time

118560 / 27.59 = 4297 - running -

Pond Elev - 1861.2

Claims dredged - 82B-88 B.L.D.

Surface area - 4.07 Acres.

Avg. Width - 265 ft.

Length - 880 -

19720	18730	19226
9	9	9
177480	168570	173034

Tham W/O

$$\text{Block 103} - \frac{240 \times 100 \times 20.0}{27} = 17778 \text{ Cu.Yds.}$$

$$\text{Block 101} - \frac{240 \times 210 \times 20.6}{27} = 54476 \quad \checkmark$$

$$\text{Total} = 72254 \quad \checkmark$$

Strip W/O

$$\text{X 234 - 235} - \frac{1}{2} \text{ Remainder} = 6607 \text{ Cu.Yds.}$$

$$235 - 236 - \frac{1}{2} \quad \checkmark = 6733 \quad \checkmark$$

$$236 - 237 - \frac{1}{2} \quad \checkmark = 6850 \quad \checkmark$$

$$237 - 238 - \frac{1}{2} \quad \checkmark = 6041 \quad \checkmark$$

$$\text{Total} = 26231 \quad \checkmark$$

Dredge No 10

October 1951

Dredge operated 31 days

Aug 668 hrs. 40 min = 27.86 days = 89.87%

lost 75 - 20 = 3.14 = 10.13%

Avg Hgt Bank = 4.0 ft

Depth = 15.5 -

(4.7)

Total = 19.5 -

Surface $\begin{array}{r} 3330 \\ 2685 \\ \hline 645 \end{array}$ $\begin{array}{r} 3971 \\ 3330 \\ \hline 641 \end{array}$ $643 \times 17.67 = 11362$ 56.146

Bedrock $\begin{array}{r} 4624 \\ 3965 \\ \hline 659 \end{array}$ $\begin{array}{r} 5274 \\ 4624 \\ \hline 650 \end{array}$ $655 \times 17.67 = 11574$
 $\sqrt{22936}$

Avg Area = 11468

$11468 \times \frac{6.5}{3} = 74542$ Cu.Yds.

$\frac{74542}{31} = 2405$ Cu.Yds per day elapsed time

$\frac{74542}{27.86} = 2676$ - running -

Pond Elev - 1860.8
 Claims dredged - 87 A - 87 B B.L.D.
 Surface Area - 2.35 Acres.
 Avg. Width - 230 ft
 Length - 440 -

$\begin{array}{r} 11362 \\ 9 \\ \hline 102258 \end{array}$ $\begin{array}{r} 11574 \\ 9 \\ \hline 104166 \end{array}$ $\begin{array}{r} 11468 \\ 9 \\ \hline 103212 \end{array}$

Shaw W/O

$$\text{Block \#98} - \frac{40 \times 70 \times 20.4}{27} = 2116 \text{ Cu Yds}$$

$$\text{Block \#101} - \frac{200 \times 150 \times 20.6}{27} = 22888$$

$$\text{Total} = 25004$$

Strip W/O

$$\text{X2 232-233} - \frac{1}{4} \text{ Remainder} = 2049 \text{ Cu Yds}$$

$$233-234 - \frac{1}{2} = 5240$$

$$\text{Total} = 7289$$

Dredge No. 10

November 1944
Shut down Nov 10 - 8:45 AM

Dredge operated 9 days

✓ dug 184 hrs 20 min = 7.68 days = 85.34 %

✓ lost 31 - 40 = 1.32 = 14.66 %

Avg Hgt Bank = 4.1 ft.

Depth = 14.1

Total = 18.2

Surface

7223

7017

216

7433

7223

210

$$213 \times 17.67 = 3764 \text{ Sq. Yds.}$$

Bedrock

7634

7430

204

7837

7634

203

$$204 \times 17.67 = 3604$$

$$\sqrt{7368}$$

$$\text{Avg Area} = 3684$$

$$\frac{1228}{3684 \times 18.2} = 22350 \text{ Cu. Yds}$$

$$\frac{22350}{9} = 2483 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{22350}{7.68} = 2910 \text{ running}$$

Pond Elev. - 1860.6
Claims dredged - 87A BLD Dom.
Surface Area - 0.78 Acres
Avg. Width - 230 ft.
Length - 150 -

3764

9

33876

3604

9

32436

3684

9

33156

Thaw W/O

$$\text{Block 98} - \frac{60 \times 244 \times 20.4}{20.4} = 11107 \text{ Cuyds.}$$

$$\text{Block 99} - \frac{200 \times 170 \times 20.9}{20.9} = 26318$$

$$\text{Total} = 37425$$

Strip W/O

$$X^2 \text{ 230-231} - \frac{1}{3} \text{ Remainder} = 3247 \text{ Cuyds.}$$

$$231-232 - \frac{3}{5} = 5997$$

$$232-233 - \frac{1}{2} = 3074$$

$$\text{Total} = 12318$$

Dredge # 10

May 1956

Started May 1 - 8:00 pm.
For Lost Time May 2 - 8:00 AM.

Dredge operated 30 days

✓ Aug Wk hrs. 70 min = 27.26 days = 90.88 %
✓ lost 65 - 40 - 2.74 - 9.12 %

Avg Hgt Bank = 4.6 ft.

✓ Depth = 15.0 -

Total ✓ = 19.6 -

(4.0)

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 5148 \\ 4828 \\ \hline 320 \end{array} \quad \begin{array}{r} 5464 \\ 5148 \\ \hline 316 \end{array} \end{array}$$

$$318 \times 17.67 = 5619 \quad 5.145$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 5685 \\ 5374 \\ \hline 311 \end{array} \quad \begin{array}{r} 6003 \\ 5685 \\ \hline 318 \end{array} \end{array}$$

$$315 \times 17.67 = 5566$$
$$\begin{array}{r} 5566 \\ 11185 \\ \hline \end{array}$$

$$\text{Avg Area} = 5593$$

$$\frac{5593 \times 19.6}{3} = 36541 \quad \text{Cu. Yds.}$$

$$\frac{36541}{30} = 1218 \quad \text{Cu. Yds. per day elapsed time}$$

$$\frac{36541}{27.26} = 1340 \quad \text{running}$$

Pond Elev - 1863.1

Claims dredged - 87-87A BLD

Surface Area - 1.16 Acres

Avg Width Cut - 215 ft.

Length - 210 -

$$\begin{array}{r} 5619 \\ 9 \\ \hline 50571 \end{array} \quad \begin{array}{r} 5566 \\ 9 \\ \hline 50094 \end{array} \quad \begin{array}{r} 5593 \\ 9 \\ \hline 50337 \end{array}$$

Thaxi W/O

Block 99-	Remainder	=	57922 Cu.Yd.
101-	$170 \times 85 \times 20.6$	=	<u>11025</u> ✓
98 -	²⁷ Remainder	=	<u>68947</u> ✓
			<u>9246</u>
			78193

Strip W/O

N ^o 229-230 -	Remainder	=	8161 Cu Yds.
230-231 -	-	=	6494 -
231-232 -	-	=	3998 ✓
232-233 -	-	=	<u>3074</u> ✓
			71727 ✓

Dr. #10

June 1956

Dredge operated 30 days

✓ dug 651 hrs. 25 min = 27.14 days = 90.47 %
 ✓ lost 68 - 35 - = 2.86 - = 9.53 %

Avg Hgt Bank: 4.8 ft.

Depth = 13.8 -

Total = 18.6 -

(4.8)

Surface

9409
 8800
 609

0009
 9409
 600

605 x 17.27 = 10690 Sq Yds.

Bedrock

0659
 0035
 624

1274
 0659
 615

620 x 17.27 = 10955
 21645

Avg Area = 10823

10823 x $\frac{18.6}{3}$ = 67103 Cu. Yds.

$\frac{67103}{30}$ = 2237 Cu. Yds. per day elapsed time

$\frac{67103}{27.14}$ = 2472 running ✓

Pond Elev - 1861.3
 Claims dredged - 87.87 A B & D
 Surface Area - 2.21 Acres.
 Avg. Width - 175 ft.
 Length - 500 ✓

10690
 9
 96210

10955
 9
 98595

10823
 9
 97407

Thaw W/O

Block 101 - Remainder = 63138 Cu.Yds.

✓ 103 - $215 \times 85 \times 20.0$ = 13537 ✓
 $\frac{17}{\text{ft}}$

Total = 76675 ✓

Strip W/O

✓² 233 - 234 - Remainder = 5241 Cu.Yds.

234 - 235 - ✓ = 6608 ✓

235 - 236 - ✓ = 6734 ✓

236 - 237 - ✓ = 6849 ✓

237 - 238 - $\frac{1}{2}$ ✓ = 3020 ✓

Total = 28452 ✓

Dredge No. 10

July 1956

Dredges operated, 31 days

✓ Aug, 68 - bro. 55 min = 78.45 days ~ 91.79 %

$$r_1 = 1057 \text{ G} - 0.5 = 2.55 \text{ T} = 8.21 \text{ J}$$
$$R_{15} \text{ Vol Bank} = 4.0 \text{ ft.}$$

Depth = 14.0

Total = 18.0 ✓

11.2

Surface

8700

 9×80

8125

8700

575

✓ 80

$$\sqrt{78} \times 17.47 = 102.13 \quad 55/105$$

Bedrock

9860

0428

9300

9860

✓ 60

568

$$564 \times 17.67 = 9965 \quad \checkmark$$

✓✓ 20178

Avg. Area = 10089 ✓

$$10089 \times 18.0 = 60534 \text{ Cu.Yds.}$$
$$\frac{60534}{31} = 1953 \text{ Cu. Yds. per day elapsed time}$$
$$\begin{array}{r} 60 \sqrt{34} \\ \underline{28.4} \end{array} = 2128 \quad \text{running}$$
$$\begin{array}{r} 60 \sqrt{34} \\ \underline{-8.45} \end{array}$$
$$= 2128$$

✓ running ✓

Pond Elev - 1859.8

Claims dredged - 87A-87B B40

Surface Area - 2.11 Acres

Avg width - 190 ft.

Length - 500.

10213
5

91917

996

89685

10089

90801

Thaw W/O

Block-103 - Remainder

= 57834 CuYds

Strip W/O

✓ 237 - 238 - Remainder

= 3020 CuYds

238 - 239

= 7770

239 - 240

= 8161

240 - 241

= 2757

241 - 242

= 6359

Total = 28067

Dredge N° 10

August 1956

Dredge operated 31 days

Avg 650 hrs. 05 min = 27.09 days = 87.38 %
 lost 93 % = 3.91 % = 12.62 %

Avg depth Bank = 3.7 Ft

Depth = 14.4 -

Total = 18.1 -

(4.0)

$$\begin{array}{r} \text{Surface} - \frac{2480}{1922} \\ \hline 558 \end{array} \quad \frac{3030}{2480} \\ \hline 150$$

$$554 \times 17.67 = 9789 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \frac{3612}{3010} \\ \hline 602 \end{array} \quad \frac{4160}{3612} \\ \hline 548 \quad \frac{4700}{4160} \\ \hline 140$$

$$544 \times 17.67 = 9612$$

$$\sqrt{19401}$$

$$\text{Avg Area} = 9701$$

$$9701 \times \frac{18.1}{3} = 58529 \text{ Cu. Yds.}$$

$$\frac{58529}{31} = 1888 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{58529}{27.09} = 2161 \text{ running}$$

Pond Elev - 1855.8
 Claims dredged - 87B - 88 BLD.
 Surface Area - 2.02 Acres.
 Avg Width - 200 Ft.
 Length - 460 -

$$\begin{array}{r} 9789 \\ 9 \\ \hline 88101 \end{array} \quad \begin{array}{r} 9612 \\ 9 \\ \hline 86508 \end{array} \quad \begin{array}{r} 9701 \\ 9 \\ \hline 87309 \end{array}$$

Thaw W/O

$$\text{Block 102} - 175 \times 30 \times 18.9$$

$$= 3675 \text{ Cu.Yds.}$$

$$\checkmark 104 - 525 \times 27 \times 20.3$$

$$= 8960 \checkmark$$

$$\text{Total} = 93277$$

Strip W/O

$$\checkmark^2 242-243 - \text{Remainder}$$

$$= 17339 \text{ Cu.Yds.}$$

$$243-244 - \checkmark$$

$$= 15989 \checkmark$$

$$244-245 - 1/2 \checkmark$$

$$= 7689 \checkmark$$

$$\text{Total} = 41017 -$$

Dredge No 10

Sept 1956

Dredge operated 30 days

dug 660 hrs. 20 min = 27.51 days = 9171.70

lost 59 - 40 = 19 = 8.2970

Avg. Wet Bank = 4.3 ft

Depth = 14.5

Total = 18.5

(11.0)

Surface

2384	3140	3882
1635	2384	3140
749	756	742

752 x 17.67 = 13288 SQ YDS.

Bedrock

4556	5293
3824	4556
732	737

735 x 17.67 = 12987 SQ YDS.

AVG.	AREA.	2) 26275	SQ YDS
		13137	

4379		
13137	x 18.5	= 81012
	3	CU YDS

81012	=	2700	CU YDS PER DAY ELAPSED TIME
30			

81012	=	2944	CU YDS PER DAY RUNNING TIME
27.51			

Pond Elev	-	1859.4
Claims dredged	-	88 B.L.D.
Surface Area	-	2.74 ACRES
Avg Width	-	200
Length	-	550

13288	12987	13137
9	9	9
11959	116883	118233

Thaw W/O

Block 102	-	Remainder	=	15108	Cu Yds.
✓ 104	-	190 x 280 x 20.3	=	39999	✓
20.3		✓			
✓ 105	-	150 x 290 x 20.6	=	30900	✓
20.6		✓			
			Total =	86007	✓

Strip W/O

✓ 245 - 246	-	3/4	Remainder	=	5766	Cu Yds.
245 - 246	-	1/3	✓	=	4894	✓
246 - 247	-	1/3	✓	=	4104	✓
247 - 248	-	1/3	✓	=	3547	✓
248 - 249	-	1/3	✓	=	3284	✓
249 - 250	-	1/6	✓	=	1451	✓
				Total =	23046	✓

DR # 10

Oct 1956.

87

DREDGE OPERATED 31 DAYS

DUG 640 HRS 35 min = 26.69 DAYS = 86.10 %

LOST 103 " 25 " = 4.31 " = 13.90 %

AVG. HGT. BANK = 4.2 FT.

DEPTH " = 14.6 FT.

TOTAL = 18.8

(4.0)

SURFACE.

1,0560

9936

624

1195

0560

635

 $630 \times 17.67 = 11,132$ Sq. YDS

BEDROCK.

1740

1167

573

2322

1740

582

 $578 \times 17.67 = 10,213$ Sq. YDS

2) 21,345

AVG. AREA = 10,673 Sq. YDS.

 $10,673 \times \frac{18.8}{3} = 66,885$ CU YDS. $\frac{66,885}{31}$

= 2,158

CU YDS PER DAY ELAPSED TIME

 $\frac{66,885}{26.69}$

= 2,506

RUNNING

POND ELEV —

CLAIMS DREGED — 88, 89 BEL. L. Dem.

SURFACE AREA — 2.20 ACRES.

AVE WIDTH — 180'

" LENGTH — 550'

 $\frac{11,132}{9} = 100,188$ $\frac{10,213}{9} = 9,191$ $\frac{10,673}{9} = 960,57$

Shaw W/O

$$\text{Block } 105 - \frac{2701 \times 20.6}{3}$$

$$= 14440 \text{ Cu Yds.}$$

Strip W/O

$$\text{No } 249-250 - \frac{1}{5} \text{ Remainder}$$

$$= 1451 \text{ Cu Yds.}$$

$$250-251 - \frac{1}{3}$$

$$= 2706$$

$$\text{Total} = 14157$$

DREDGE N° 10

DREDGE OPERATED 7 DAYS

" DUG 147 HRS. 30 MIN = 6.15 DAYS = 87.80%

" LOST 20 " 30 " = .85 " = 12.20%

AVG. HGT OF BANK = 4.0 FT.

DEPTH " " 15.0 "

TOTAL " = 19.0

(4.0)

November 1956
Shut down Nov. 8-3:00pm

SURFACE :-

0796	0915		
0678	0796	119 x 17.67	2103
118	119		Sq yds.

BEDROCK :-

1111	1225		
1000	1111	113 x 17.67	1997
111	114		Sq yds.
			2) 4100
		AVG. AREA.	2050
			Sq. yds.

$\frac{2050 \times 19.0}{3} = 12,983$ Cu. yds.

$\frac{12,983}{7} = 1,855$ Cu. yds. PER DAY ELAPSED TIME

$\frac{12,983}{6.15} = 2,111$ " " " " RUNNING. "

POND ELEV.

CLAIMS DREDGED. 89 DEL. L. DOTT.

SURFACE AREA - .42.

AVG. WIDTH - 150'

" LENGTH - 120'

2103
9
18927

1997
9
17973

2050
9
18450

Shaw K/O

$$\text{Block 101} - \frac{190 \times 101 \times 20.6}{20.6} = 15221 \text{ Cuyds.}$$

$$\checkmark \text{ 106} - \frac{215 \times 240 \times 21.5}{21.5} = 48014 \checkmark$$

$$\checkmark \text{ 107} - \frac{220 \times 20 \times 21.4}{21.4} = 12205$$

Strip W/O

$$\text{Total} = 68514 \checkmark$$

$$\times^2 \text{ 201} - \text{202} - \frac{1}{3} \text{ Remainder} = 3169 \text{ Cuyds.}$$

$$\text{202} - \text{203} - \checkmark = 4011 \checkmark$$

$$\text{203} - \text{204} - \checkmark = 5604 \checkmark$$

$$\text{204} - \text{205} - \checkmark = 5479 \checkmark$$

$$\text{Total} = 18463$$

Dredge No 10

May 1957

Started Apr. 30 - 8:00 AM

Dredge Operated.

31

Days

" Dug 670 Hrs 10 mins = 27.92 Days = 90.08%

" Lost 73 " 50 " = 3.08 " = 9.92%

Avg Hgt of bank = 2.9'

Depth " = 19.2

(4.0)

" Total Depth 22.1

$$\begin{array}{r} \text{SURFACE} - \begin{array}{r} 3400 \\ 2869 \\ \hline 531 \end{array} \end{array}$$

$$531 \times 17.67 = 9436 \text{ Sq. Yds}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 4435 \\ 3937 \\ \hline 498 \end{array} \end{array}$$

$$499 \times 17.67 = 8817$$

$$18253$$

$$\text{Avg. Area} = 9127$$

$$9127 \times \frac{22.1}{3} = 67236 \text{ Cu. Yds}$$

$$\frac{67236}{31} = 2169 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{67236}{27.92} = 2408 \text{ - running -}$$

Pond Blw - 1856.0
 Claims dredged - 89-90-91 BLP
 Surface Area - 1.95 Acres
 Avg. Width - 200 ft.
 Length - 400

$$\begin{array}{r} 9436 \\ 9 \\ \hline 84924 \end{array} \quad \begin{array}{r} 8817 \\ 9 \\ \hline 79353 \end{array} \quad \begin{array}{r} 9127 \\ 9 \\ \hline 82143 \end{array}$$

Thaw W/O

$$\text{Block } 107 \quad 21.4 - 540 \times \frac{160}{27} \times 21.4 = 68480 \checkmark \text{ Cu Yds.}$$

$$\text{Block } 108 \quad 21.3 - 220 \times \frac{145}{27} \times 21.3 = 25165 \checkmark$$

$$\text{Total} = 93645 \checkmark$$

Strip W/O

$$\text{X'D } 205-206 - \frac{1}{3} \text{ Remainder} = 4351 \text{ Cu Yds}$$

$$206-207 - \checkmark = 4342 \checkmark$$

$$207-208 - \checkmark = 4304 \checkmark$$

$$208-209 - \checkmark = 4226 \checkmark$$

$$209-260 - \checkmark = 4184 \checkmark$$

$$260-261 - \checkmark = 4332 \checkmark$$

$$261-262 - \checkmark = 4802 \checkmark$$

$$\text{Total} = 30541 \checkmark$$

Dredge No 10

June 1957.

Dredge Operated 30 Days.

" Dug. 661 Hrs. 35 min = 27.57 days = 91.89 %

" Lost. 58 " 25 " = 2.43 " = 8.11 %

Avg. Hgt. of bank = 3.5'

" Depth. = 19.6'

Total = 23.1'

(4.2)

Surface.

5023

5823

6632

4197

5023

5820

826

800

812

806 x 17.67 = 14,242 Sp. Yds.

Bedrock.

7355

8119

6600

7355

755

764

760 x 17.67 = 13,429 Sp. Yds.

2) 27671

Avg = 13,836 Sp. Yds.

$$13836 \times \frac{7.7}{23.1} = 106,537 \text{ Cu Yds.}$$

$$\frac{106,537}{30} = 3,551 \text{ Cu Yds per day elapsed time.}$$

$$\frac{106,537}{27.57} = 3,864 \text{ " " Running time.}$$

Pond Elev. 1855.7

Claims Dredged. 91 & 92. B.L.D.

Surface Area. 2.94 acres

Avg. Length. = 750

Avg. Width = 165

14242

13429

13836

9

9

9

128178

120861

124524

Thaw W/O

BLOCK 108

$$\frac{2}{5} \text{ REMAINDER} = 57,302 \text{ Cu Yds.}$$

" 109

$$\frac{300 \times 25 \times 20.6}{27} = 5,722 \text{ " "}$$

" 107

$$\frac{1}{2} \text{ REMAINDER} = 41,708 \text{ " "}$$

" 106

$$\frac{1}{3} \text{ " " } = 15,872 \text{ " "}$$

$$\text{TOTAL} = \underline{120,604} \text{ " "}$$

Strip W/O

X^{NS} 253 - 254

$$\frac{1}{2} \text{ REMAINDER} = 5604 \text{ Cu Yds.}$$

" 254 - 255

$$\frac{1}{2} \text{ " " } = 5479 \text{ " "}$$

" 255 - 256

$$\frac{1}{2} \text{ " " } = 4351 \text{ " "}$$

" 256 - 257

$$\frac{1}{2} \text{ " " } = 4342 \text{ " "}$$

" 257 - 258

$$\frac{1}{2} \text{ " " } = 4304 \text{ " "}$$

" 258 - 259

$$\frac{1}{2} \text{ " " } = 4226 \text{ " "}$$

" 259 - 260

$$\frac{1}{2} \text{ " " } = 4184 \text{ " "}$$

" 260 - 261

$$\frac{1}{2} \text{ " " } = 4332 \text{ " "}$$

" 261 - 262

$$\frac{1}{2} \text{ " " } = 4802 \text{ " "}$$

" 262 - 263

$$\frac{2}{3} \text{ " " } = 11,370 \text{ " "}$$

" 263 - 264

$$\frac{2}{3} \text{ " " } = 12,220 \text{ " "}$$

" 264 - 265

$$\frac{3}{5} \text{ " " } = 11,938 \text{ " "}$$

TOTAL =

$$\underline{77,152} \text{ " "}$$

Dredge No 10

July 1957

Dredge operated 31 days

dug 683 hrs. 0 min. = 28.46 days = 91.80 %

lost 61 - 0 = 2.54 = 8.20 %

Avg. Hgt. Bank = 3.5 ft.

Depth = 16.2

Total = 19.7

(11.7)

Surface

10855	2180
9528	0855
1327	1325

1326 x 17.67 = 23430 Sq Yds

Bedrock

3456	4757
2153	3456
1303	1301

1302 x 17.67 = 23006 Sq. Yds.

2) 46436

Avg Area = 23218

23218 x 19.7 = 152,465 Cu Yds

152465 = 4,918 Cu Yds PER DAY ELAPSED TIME

152,465 = 5,357 " " " " RUNNING "

28.46

Pond Elev - 1849.4
 Claims dredged - 90, 91, 92 & 93. B.L.D.
 Surface Area - 4.84 ACRES.
 Avg Width - 125'
 Length - 1600'

23430
 9
 210870

23006
 9
 207054

23218
 9
 208962

THAW W/O.

BLOCK	104	=	REMAINDER	✓	68,243	✓	Cu Yds.
"	105	$\frac{2}{3}$	"	✓	81,852	✓	" "
"	106	$\frac{1}{4}$	"	✓	7,936	✓	" "
TOTAL =					158,031	✓	

STRIP W/O.

X ²	244 - 245	REMAINDER	✓	=	1,922	✓
"	245 - 246	"	✓		9,787	✓
"	246 - 247	"	✓		8,208	✓
"	247 - 248	"	✓		7,093	✓
"	248 - 249	$\frac{3}{5}$	"	✓	3,940	✓
"	249 - 250	$\frac{1}{2}$	"	✓	2,902	✓
"	250 - 251	$\frac{1}{2}$	"	✓	2,706	✓
"	251 - 252	$\frac{1}{2}$	"	✓	3,169	✓
"	252 - 253	$\frac{1}{2}$ $\frac{1}{5}$	"	✓	4,011	✓
TOTAL =					43,738	✓

DREDGE # 10

Aug 1957 97

DREDGE OPERATED 31 DAYS

" DUG 687 HRS. 25 MINS = 28.64 DAYS = 92.39%
 " LOST. 56 " 35 " = 2.36 " = 7.61%
 AVG. HGT. OF BNK. - 4.0'
 " DEPTH - 15.5'
 TOTAL. - 19.5' ✓

(4.0)

SURFACE

7877	9081
6669 ✓	7877
1208 ✓	1204 ✓

= 1206 x 17.67 = 21310 ✓ Sq. Yds.

BEDROCK

0335	1548
9120	0335
1215 ✓	1213 ✓

= 1214 x 17.67 = 21451 ✓

2) 42761 ✓

AVG AREA = 21381 ✓

21381 x 6.5 ✓
 19.5 ✓ = 138,977 ✓ Cu. Yds.

138,977 = 4,483 ✓ Cu. Yds PER DAY ELAPSED TIME
 31

138,977 = 4,853 ✓ " " RUNNING "
 28.64

POND ELEV. 1857.0

CLAIMS DREDGED 88 89 90 B.L.D.

SURFACE AREA - 4.40 Acres.

AVG WIDTH - 160'

" LENGTH - 1150'

21310
9
191790

21451
9
193059

21381
9
192429

Thaw W/O

Block 105 - Remainder		= 40927 Cu.Yds
✓ 106 - ✓		= 13809 -
✓ 107 - ✓		= 41709 ✓
✓ 108 - $\frac{300 \times 100 \times 21.3}{27}$		= 23666 ✓
213		
	Total	= 130111 -

Strip W/O

X3 208-209 - Remainder		= 2627 Cu.Yds
209-210 - ✓		= 2903 -
210-211 - ✓		= 2706 ✓
211-212 - ✓		= 3170 -
212-213 - ✓		= 4012 ✓
213-214 - ✓		= 2603 ✓
214-215 - ✓		= 2479 -
215-216 - ✓		= 4350 ✓
216-217 - ✓		= 4342 ✓
217-218 - ✓		= 4303 -
218-219 - ✓		= 4226 ✓
219-220 - ✓		= 4183 ✓
220-221 - ✓		= 4332 ✓
221-222 - ✓		= 4803 ✓
	Total	= 57039 -

Dredge No 10

Sept 1957

Dredge operated 30 days

$$\begin{aligned} &\text{dug } 660 \text{ hrs } 27 \text{ min} = 27.45 \text{ days} = 91.72 \text{ ft} \\ &\text{lost } 19 - 35 = 2.48 = 8.28 \text{ ft} \end{aligned}$$

Avg Hgt. Bank = 2.7 ft

Depth = 15.6

Total = 18.3

(4.0)

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 6013 \\ 4749 \\ \hline 1264 \end{array} \quad \begin{array}{r} 2282 \\ 6013 \\ \hline 1274 \end{array} \end{array}$$

$$1269 \times 17.67 = 22423 \text{ Sq. Yds.}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 8593 \\ 7316 \\ \hline 1277 \end{array} \quad \begin{array}{r} 9864 \\ 8593 \\ \hline 1271 \end{array} \end{array}$$

$$1274 \times 17.67 = 22511$$

$$\text{Avg. Area} = 22467$$

6.1

$$22467 \times \frac{18.3}{3} = 137049 \text{ Cu. Yds.}$$

$$\frac{137049}{30} = 4568 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{137049}{27.5} = 4980 \text{ running}$$

Pond Elev - 1849.6

Claims dredged - 86-90-51-9-3LD

Surface Area - 4.63 Acres

Avg. width - 140

Length - 1360'

$$\begin{array}{r} 22423 \\ 9 \\ \hline 201807 \end{array}$$

$$\begin{array}{r} 22511 \\ 9 \\ \hline 202599 \end{array}$$

$$\begin{array}{r} 22467 \\ 9 \\ \hline 202203 \end{array}$$

Thaw W/O

Block #108 - Remainder = 62286 Cu.Yds.

$$\begin{array}{rcl}
 \text{#109 -} & 570 \times 400 \times 20.6 & = 173955 \\
 \text{vol.} & \underline{27} & \hline
 & & 236241
 \end{array}$$

Strip W/O

L² 262-263 - Remainder = 5685 Cu.Yds.

263-264 - = 6110 -

264-265 - = 7957 -

265-266 - = 21885 -

266-267 - = 22678 -

267-268 - = 23207 -

268-269 - = 23230 -

Total = 110752 -

DREDGE No 10

Oct 1957

DREDGE OPERATED 31 DAYS

" DUG 659 HRS. 50 MINS. = 27.49 DAYS = 88.69 %

" LOST 84 " 10 " = 3.51 " = 11.31 %

AVG. HGT. OF BANK. = 2.7 FT.

" DEPTH = 16.7 "

TOTAL. 19.4 "

(4.0)

SURFACE

9403

1110

2810

7699

9403

1110

1704 ✓

1707 ✓

1700

1706 × 17.67 = 30,145 Sq. Yds.

BEDROCK

4445

6112

2782

4445

1663 ✓

1667 ✓

1665 × 17.67 = 29,421 Sq. Yds.

2) 59566 ✓

AVG. AREA = 29,783 Sq. Yds.

$$\frac{29,783 \times 19.4}{3} = 192,597 \text{ Cu. Yds.}$$

$$\frac{192,597}{31} = 6,213 \text{ Cu yds PER DAY ELAPSED TIME}$$

$$\frac{192,597}{27.49} = 7,006 \text{ " " " " RUNNING "}$$

POND ELEV - 1845.3

CLAIMS DREDGED - 92, 93 B.L.D.

SURFACE AREA - 6.23

AVG. WIDTH - 200'

" LENGTH - 1300'

$$\begin{array}{r} 30,145 \\ 9 \\ \hline 271,305 \end{array}$$

$$\begin{array}{r} 29,421 \\ 9 \\ \hline 264,789 \end{array}$$

$$\begin{array}{r} 29,783 \\ 9 \\ \hline 268,047 \end{array}$$

Thaw N/O

$$\begin{array}{rcl}
 \text{Block } \#109 & - & \text{Remainder} & = & 27909 \text{ Culls} \\
 \text{--- } \#110 & - & \underline{470 \times 140 \times 20.1} & = & \underline{48984} \\
 & & \text{Total} & = & 76893 \checkmark
 \end{array}$$

Strip N/O

$$\begin{array}{rcl}
 \#2 & 267-268 & - \text{Remainder} & = & 0 \\
 & 268-269 & - & = & 0 \\
 & 269-270 & - 87\% & \checkmark & = 19391 \text{ Culls} \\
 & 270-271 & - 85\% & \checkmark & = \underline{19068} \\
 & & \text{Total} & = & 38459 \checkmark \\
 & & \text{plus} & & \underline{2} \\
 & & & & 38461
 \end{array}$$

DREDGE No 10.

November 1957
Shut down Nov. 26 - 8:20 AM.

DREDGE OPERATED 25 days

" DUG 535 hrs. 50 min = 22.33 days = 89.31%

" LOST 64 " 10 " = 2.67 " = 10.69%

Avg. Hgt of Bnk. = 7.4 ft.

" DEPTH = 17.4 ✓

TOTAL = 19.8 ✓

(4.0)

SURFACE

0110

0920

9302

0110

808 ✓

810 ✓

809 × 17.67 = 14295 Sq. Yds. ✓

BEDROCK

1688

2475

0900

1688

788 ✓

787 ✓

788 × 17.67 = 13924 Sq. Yds. ✓

2) 28219

Avg. AREA = 14109 ✓ Sq. Yds.

14109 × $\frac{6.6}{3} \times 19.8 = 93,119$ Cubic Yards ✓ $\frac{93,119}{25} = 3,725$ Cubic Yards PER DAY ELAPSED TIME ✓ $\frac{93,119}{22.33} = 4,170$ " " " " Running " ✓

POND ELEV - 1845.3

CLAIMS DREDGED - 93 94 B.L.D.

SURFACE AREA - 2.95 ACRES.

Avg. WIDTH - 200'

" LENGTH - 610'

14295

9

128655 ✓

13924

9

125316 ✓

14109

9

126981 ✓

Thaw W/O

$$\text{Block \# 109} - \text{Remainder} = 0$$

$$\checkmark \# 110 \quad - \quad \frac{55 \times 100 \times 20.1}{27} = 4094 \text{ Cu Yds}$$

Stripping W/O

$$\text{X2 269-270} - \text{Remainder} = 2898 \text{ Cu Yds.}$$

$$270-271 - \quad = \underline{3365} -$$

$$\text{Total} = 6263 \quad \checkmark$$

Dredge No 10

April 1958
Started Apr 26 - 8:00 AM

Dredge operated 5 days.

dug 91 hrs 45 min = 3.82 days = 76.46 D.
lost 28 " 15 " = 1.18 " = 28.14 D.

Avg Hgt Bank = 3.6 Ft.

Depth = 15.0 -
Total = 18.6 -

(4.0)

Surface -

6224 6279
6171 6224
53 55

54 x 17.67 =

954

Sq yds

Bedrock -

6307 6360
6258 6307
49 53

51 x 17.67 =

901

Sq yds

1855

Average Area =

928

Sq. yds

928 x $\frac{6.2}{3}$

=

5,754 Cubic Yards

5754
5

=

1,151

Cubic yards per day Elapsed time

5754
3.82

=

1,506

"

"

"

"

Running time

Pond Elev -

1843.6

Claims dredged -

93 94

B.L. D.

Surface area -

.20 Acres.

Avg Width -

170'

Length -

45'

954
9
8586

901
9
8109

928
9
8352

Shaw W/O

$$\text{Block \#110} - \frac{14542 \times 20.1}{3} = 97431 \text{ Cu. Yds.}$$

20.1

Strip W/O

$$\text{22 271-272 - Remainder} = 22048 \text{ Cu. Yds.}$$

$$272-273 - \checkmark = 21526 \checkmark$$

$$273-274 - \frac{1}{4} - = \underline{5698} \checkmark$$

$$\text{Total} = 49272 \checkmark$$

Dredge # 10

May 1958

Dredge Operated 31 days

" Dug 686 Hrs. 35 mins = 28.61 days = 92.28 %
 " Lost 57 " 25 " = 2.39 " = 7.72 %

Avg. Hgt. of Bank - 2.0 Feet.

" Depth - 15.6 "

" Total - 17.6 ✓ "

(4.0)

Surface

1021

2670

0198

1847

823 ✓

823 ✓

823 x 17.67 =

14,542 ✓

Sq. Yds.

Bedrock

3425

4232

2626

3425

799 ✓

807 ✓

803 x 17.67 =

14,189

Sq. Yds.

2)28,731 ✓

Avg. Area = 14,366 ✓

Sq. Yds.

$$\frac{14,366 \times 17.6}{3} = 84,281 \text{ Cubic Yards.}$$

$$\frac{84,281}{31} = 2,719 \text{ Cubic Yards per day Elapsed Time}$$

$$\frac{84,281}{28.61} = 2,946 \text{ " " " Running Time}$$

Pond Elev - 1844.1

Claims dredged - 94

Surface Area - 3.0 Acres

Avg. width - 220'

" Length - 600'

14,542

9

130,878 ✓

14,189

9

127,701 ✓

14,366

9

129,294 ✓

Thaw W/O

$$\text{Block \# 110} - \text{Remainder} = 66457 \text{ C.Y.}$$

$$\begin{array}{r} \text{Block \# 111} - \frac{9374}{8755} \quad \frac{9988}{9374} \quad \frac{589}{617 \times 19.67 \times 21.2} = 77041 - \\ 21.2 \quad \quad \quad 619 \quad \quad \quad 614 \quad \quad \quad \underline{3} \\ \text{Total} = 143498 - \end{array}$$

Strip W/O

$$\text{X}^2 \text{ 273-274} - \text{Remainder} = 17095 \text{ Cu. Yds.}$$

$$274 - 275 - \checkmark = 22078 -$$

$$275 - 276 - \frac{3}{4} \checkmark = 14643 -$$

$$276 - 277 - \frac{1}{2} \checkmark = \underline{8963} -$$

$$\text{Total} = 62579 \checkmark$$

Dredge # 10

June 1958

Dredge Operated 30 days

" Dug. - 663 hrs. 0 min. = 27.63 days = 92.08%

" Lost. - 57 " 0 " = 2.37 " = 7.92%

Avg. Hgt. of bkt. - 2.2'

" Depth - 19.6'

Total - 21.8'

(3.3)

Surface

5519 6703

4327 5519

1192 1184

$1188 \times 17.67 =$

20,992

Sq. Yds.

Bedrock

7827 8987

6674 7827

1153 1160

$1157 \times 17.67 =$

20,444

Sq. Yds.

2) 41436

Avg. Area =

20,718

Sq. Yds.

$$20,703 \times \frac{21.8}{3} = 150,442 \text{ Cubic Yards}$$

$$\frac{150,442}{30} = 5,015 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{150,442}{27.63} = 5,445 \text{ " " " Running "}$$

Pond Elev. - 1843.0

Claims dredged - 94, 95 B.L.D.

Surface Area - 4.3 Acres

Avg. width - 230

" Length - 800

20,992

9

188,928

20,444

9

183,726

996

20,703

9

186,327

462

Thaw W/O

$$\text{Block \# 111} - 14065 \times \frac{21.2}{3} = 99393 \text{ Cu Yds}$$

Strip W/O

X ⁿ 275-276	-	Remainder		=	4880 Cu Yds.
276-277	-		✓	=	8763 ✓
277-278	-	3/4	✓	=	12750 ✓
278-279	-	3/7	✓	=	6936 ✓
279-280	-	2/5	✓	=	5684 ✓
Total				=	39013 ✓

Dredge No 10

July 1958

Dredge operated 31 days

Aug 693 hrs 10 min = 28.88 days = 93.17%

lost 50 - 50 = 2.12 = 4.83%

Avg Hgt Bank = 2.2 Ft.

Depth = 20.0

Total = 22.2

(3.4)

Surface

5214

6010

4418

5214

796

796

796 x 17.67 =

14,065 Sq. Yds.

Bedrock

6779

7560

5996

6779

783

781

782 x 17.67 =

13,818 Sq. Yds.

2) 27883

Avg. Area = 13,942 Sq. Yds.

$$13,942 \times \frac{7.4}{3} = 103,171 \text{ Cubic Yards.}$$

$$\frac{103,171}{31} = 3,328 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{103,171}{28.88} = 3,572 \text{ " " " " Running "}$$

Pond Elev - 1842.2
 Claims dredged - 95 B.L.D
 Surface Area 2.9 acres.
 Avg. Width 250'
 Length 480'

$$\begin{array}{r} 14,065 \\ 9 \\ \hline 126,585 \end{array}$$

$$\begin{array}{r} 13,818 \\ 9 \\ \hline 124,362 \end{array}$$

$$\begin{array}{r} 13,942 \\ 9 \\ \hline 125,478 \end{array}$$

Thaw W/O

$$\begin{aligned}
 \text{Block \# 112} & - \frac{300 \times 50 \times 21.7}{27} = 11500 \text{ Cuyds.} \\
 \text{✓ 113} & - \frac{(615 \times 185 + 415 \times 140) \times 20.8}{27} = \frac{132407}{27} \\
 & \text{Total} = 143907
 \end{aligned}$$

Strip W/O

$$\begin{aligned}
 \text{✓ 280 - 281} & - \frac{2}{5} \text{ Remainder} = 6424 \text{ Cuyds.} \\
 281 - 282 & - \frac{2}{3} \quad \checkmark = 12636 \quad \checkmark \\
 282 - 283 & - \frac{3}{5} \quad \checkmark = 10761 \quad \checkmark \\
 283 - 284 & - \frac{1}{2} \quad \checkmark = 8679 \quad \checkmark \\
 284 - 285 & - \frac{1}{3} \quad \checkmark = 5418 \quad \checkmark \\
 285 - 286 & - \frac{1}{5} \quad \checkmark = \underline{3103} \quad \checkmark \\
 & \text{Total} = 47021 \quad \checkmark
 \end{aligned}$$

Dredge # 10 August 1958

Dredge Operated - 31 days

✓ Dug - 680 Hrs. 25 mins. = 28.35 days = 91.45%
 ✓ Lost - 63 ✓ 35 ✓ = 2.65 ✓ = 8.55%
 Avg. Hgt of bnt - 1.2 ft.
 ✓ Depth = 17.6 ✓
 Total 18.8 ✓

(3.7)

Surface
 1914
 0692
 1222 ✓

3131
 1914
 1217 ✓

 $1220 \times 17.67 = 21,557$ Sq. Yds.

Bedrock
 4261
 3122
 1139 ✓

5405
 4261
 1144 ✓

 $1142 \times 17.67 = 20,179$ Sq. Yds.

2) 41,736
 Avg. Area = 20,868 ✓

 $\frac{20,868 \times 18.8}{3} = 130,773$ Cubic Yards.

 $\frac{130,773}{31} = 4,218$ Cubic Yards per day Elapsed time

 $\frac{130,773}{28.35} = 4,613$ ✓ ✓ ✓ ✓ Running time

Pond Elev - 1841.0

Claims dredged - 95 96 97 Below Lower Dam.

Surface Area - 4.5 Acres.

Avg. Width - 200'

✓ Length - 950'

21,557
 9
 194,013 ✓

20,179
 9
 181,611 ✓

20,868
 9
 187,812 ✓

Thaw W/O

Block 113	-	Remainder	=	4928 Cuyds
111	-	-	=	43050 -
112	-	-	=	<u>97398 -</u>
Total			=	145376 -

Strip W/O

✓ 277-278	-	Remainder	=	4250 Cuyds.
278-279	-	-	=	9249 -
279-280	-	-	=	8524 ✓
280-281	-	-	=	9636 -
281-282	-	-	=	6319 -
282-283	-	✓	=	7172 ✓
283-284	-	1/2 ✓	=	<u>4340 ✓</u>
Total			=	49490 -

Dredge N=10

September 1958

Dredge operated 30 days

dug 663 hrs. 40 min = 27.65 days = 92.18 %

lost 56 - 20 = 2.35 = 2.8 %

Avg Hgt. Bank = 0.2 ft.

Depth = 21.5

Total = 21.7

(3.8)

Surface

3887

2783

1104 ✓

5008

3900

1108 ✓

1106 × 17.67 = 19,543 Sq. Yds.

Bedrock

6105

5019

1086 ✓

8350

7265

1085 ✓

1086 × 17.67 = 19,189 Sq. Yds.

2 238,732

AVG. AREA = 19,366 ✓

$$\frac{19,366 \times 21.7}{3} = 140,080 \text{ CUBIC YARDS}$$

$$\frac{140,080}{30} = 4,669 \text{ CUBIC YARDS PER DAY ELAPSED TIME}$$

$$\frac{140,080}{27.65} = 5,066 \text{ RUNNING TIME.}$$

Pond Elev

1838.2

Claims dredged

95,96 BELOW LOWER DOM.

Surface area

4,037 ACRES

Avg width

200'

Length

879'

19,543

9

175,887 ✓

19,189

9

172,701 ✓

19,366

9

174,294 ✓

Thaw W/O

$$\text{Block \# 114} - \frac{6350}{18.9} - \frac{7360}{6350} \times 1009 \times 17.67 \times \frac{6.3}{3} = 112323 \text{ Cu.Yds}$$

$\frac{6350}{18.9} = 3360$
 $\frac{7360}{6350} = 1.167$

5 trip W/O

X ⁿ 283-284	-	Remainder	=	4340 Cu.Yds
284-285	-	✓	=	10837 -
285-286	-	✓	=	12412 ✓
286-287	-	✓	=	20444 ✓
287-288	-	1/2 ✓	=	12987 -
288-289	-	1/10 ✓	=	<u>2697 -</u>
Total			=	63717 ✓

Dredge N: 10

October 1958 ¹¹⁷

Dredge operated 31 days
 ✓ dug 673 hrs. 30 min = 28.06 days = 90.15%
 ✓ lost 70 - 80 = 2.94 - = 9.48%
 Avg Wet Bank = 2.5 ft.
 Depth = 18.9 -
 Total = 21.4 ✓

(4.3)

Surface

$$\begin{array}{r} 3617 \\ 2570 \\ \hline 1047 \end{array}$$

$$\begin{array}{r} 4666 \\ 3617 \\ \hline 1049 \end{array}$$
 $1048 \times 17.67 = 18,518 \text{ Sq. Yds.}$
Bedrock

$$\begin{array}{r} 5664 \\ 4650 \\ \hline 1014 \end{array}$$

$$\begin{array}{r} 6675 \\ 5664 \\ \hline 1011 \end{array}$$
 $1013 \times 17.67 = 17,900 \text{ Sq. Yds.}$

$$\begin{array}{r} 17,900 \\ 2 \overline{) 36,418} \\ \hline 18,209 \end{array} \text{ Sq. Yds.}$$
 $18,209 \times \frac{21.4}{3} = 129,891 \text{ Cubic Yards.}$
 $\frac{129,891}{31} = 4,190 \text{ Cubic Yards per day Elapsed time}$
 $\frac{129,891}{28.06} = 4,629 \text{ Running}$

Pond Elev - 1834.4
 Claims dredged - 96.97 BLD.
 Surface area - 3.83 Acres.
 Avg. width - 250'
 Length - 670'

$$\begin{array}{r} 18,518 \\ 9 \\ \hline 166,662 \end{array}$$

$$\begin{array}{r} 17,900 \\ 9 \\ \hline 161,100 \end{array}$$

$$\begin{array}{r} 18,209 \\ 9 \\ \hline 163,881 \end{array}$$

Thaw W/O

$$\begin{array}{r} \text{Block \#114} \\ (18.9) \end{array} \quad \begin{array}{r} 9600 \\ 9587 \\ \hline 13 \end{array} \quad \begin{array}{r} 9615 \\ 9600 \\ \hline 15 \end{array}$$

$$\begin{array}{r} \text{Block \#115} \\ (15.3) \end{array} \quad \begin{array}{r} 0367 \\ 0198 \\ \hline 169 \end{array} \quad \begin{array}{r} 0528 \\ 0367 \\ \hline 161 \end{array}$$

$$14 \times 17.67 \times \frac{18.9}{3} = 1556 \text{ CYs}$$

$$165 \times 17.67 \times \frac{15.3}{3} = 14872$$

$$\text{Total} = 16428$$

Strip W/O

$$286-287 -$$

$$= 0 \text{ Cuyds}$$

$$287-288 - 617 \times \text{Remainder}$$

$$= 7921$$

$$288-289 - 3570 \times$$

$$= 8497$$

$$\text{Total} = 16418$$

Dredge # 10.

November 1958

Shut down

Nov. 18 - 8:00 AM.

Dredge Operated 17 days

✓ Dug 376 hrs. 15 min = 15.68 days = 92.2220

✓ Lost 31 " 45 " = 1.32 " = 7.7820

Avg. Hgt of bnk. - 4.8 ft.

✓ Depth - 12.5 -

Total - 17.3 -

(7.4)

Surface

2875

3155

26002875

275 ✓

280 ✓

278 × 17.67 =

4,912

Sq. Yds.

Bedrock

3443

3700

31773443

266 ✓

257 ✓

262 × 17.67 =

4,630

Sq. Yds.

2)9,542

Avg. Area

4,771 ✓

Sq. Yds.

$$4771 \times \frac{17.3}{3} = 27,513 \text{ Cubic Yards.}$$

$$\frac{27,513}{17} = 1,618 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{27,513}{15.68} = 1,755 \text{ Running}$$

Pond Elev. - 1838.8

Claims dredged. - 97 B.L.D.

Surface Area. - 1.01 acres.

Avg. Width - 230

✓ Length. - 200

$$\begin{array}{r} 4912 \\ 9 \\ \hline 44,208 \end{array}$$

$$\begin{array}{r} 4630 \\ 9 \\ \hline 41,670 \end{array}$$

$$\begin{array}{r} 4771 \\ 9 \\ \hline 42,939 \end{array}$$

Thaw W/O

Block #115 - Remainder

= 12255 Cu. Yds.

✓ #114 - $\frac{225 \times 30 \times 18.9}{18.9}$

= 4725 ✓

✓ #116 - $\frac{225 \times 115 \times 19.7}{19.7}$

= 25446 ✓

✓ #117 - $\frac{40 \times 170 \times 12.9}{12.9}$

= 1624 ✓

Total = 44050 ✓

Strip W/O

XD 288-289 - 1/3 Remainder

= 5260 Cu. Yds.

289-290 - 2/5 ✓

= 10648 ✓

290-291 - 1/6 ✓

= 4205 ✓

Total = 20113 ✓

Dredge N^o 10 May 1959

started May 5 8:00 A.M. 121

Dredge Operated 26 days

" Dug 582 hrs. 20 mins = 24.26 days = 93.32 %
 " Lost 41 " 40 " = 1.74 " = 6.68 %

Avg. Hgt. of bank = 1.6 Ft.

" Depth = 13.0 "

Total " = 14.6 "

5.0

Surface

2372

1934

438 ✓

2810

2372

438 ✓

438 × 17.67 =

7739 ✓

Sq. Yds.

Bedrock

3210

2790

420 ✓

3628

3210

418 ✓

419 × 17.67 =

7404 ✓

Sq. Yds.

2 15143 ✓

Avg. Area =

7572 ✓

Sq Yds.

2524

7572 × 14.6 = 36,850 ✓ Cubic Yards

36,850 ÷ 26 = 1,417 ✓ Cubic Yards per day Elapsed time

36,850 ÷ 24.26 = 1,519 ✓ Running

Pond Elev. — 1832.4

Claims dredged — 97 98 B.L.D.

Surface Area — 1.60 acres.

Avg. Width 175'

" Length 420'

7739

9

69,651 ✓

7404

9

66,636 ✓

7572

9

68,148 ✓

Thaw W/O

Block #114 - Remainder

= 19990 Cu Yds.

$$\begin{array}{r} \checkmark \quad \#116 - \quad \frac{7998}{6797} \quad \frac{9162}{7978} \\ 19.7 \quad \quad \frac{1181}{1184} \end{array}$$

$$1183 \times 159.05 \times 19.7 = 137284 \quad \checkmark$$

$$\text{Total} = 157274 \quad \checkmark$$

Strip W/O

x12 287-288 - Remainder

= 5065 Cu Yds.

$$288-289 \quad - \quad \checkmark \quad = 10520 \quad \checkmark$$

$$289-290 \quad - \quad \checkmark \quad = 15974 \quad \checkmark$$

$$290-291 \quad - \quad \frac{4}{5} \quad \checkmark \quad = 16820 \quad \checkmark$$

$$291-292 \quad - \quad \frac{2}{3} \quad \checkmark \quad = 15314 \quad \checkmark$$

$$292-293 \quad - \quad \frac{1}{3} \quad \checkmark \quad = 13718 \quad \checkmark$$

$$\text{Total} = 77411 \quad \checkmark$$

Dredge No 10 June 1959

Dredge Operated 30 days

✓ Dug 660 hrs 55 mins = 27.54 days = 91.79%

✓ ✓ 59. ✓ 05 ✓ = 2.46 ✓ = 8.21%

Avg. Hgt of Bank = 1.3 ft

✓ Depth = 17.2 -

Total ✓ = 18.5 ✓

(5.0)

Surface 4253

5577

2925

4253

1328 ✓

1324 ✓

1326 × 17.67 =

23,430 ✓

Sq Yds.

Bedrock 6867

8155

5582

6867

1285 ✓

1288 ✓

1287 × 17.67 =

22,741 ✓

Sq Yds.

2) 46,171 ✓

Avg Area =

23,086 ✓

Sq Yds.

$23,086 \times \frac{18.5}{3} = 142,364$ Cubic Yards.

$\frac{142,364}{30} = 4,745$ Cubic Yards per day Elapsed time

$\frac{142,364}{27.54} = 5,169$ ✓ ✓ ✓ Running ✓

Pond Elev. - 1831.8

Claims Dredged - 97.98 B.L.D.

Surface Area - 4.84 acres.

Avg Width - 250'

✓ Length - 825

23,430

22,741

23,086

9

9

9

210,870 ✓

207,669 ✓

207,774 ✓

Thaw W/O

Block #116	- Remainder	= 30159 Cu. Yds.
- #117	✓	= 30863 ✓
✓ #118	$\frac{465 \times 190 \times 21.1}{21.1}$	= 69044 ✓
✓ #119	$\frac{90 \times 170 \times 16.7}{16.7}$	= 9463 ✓
Total		= 139529 ✓

Strip W/O

290-291	- Remainder	= 4208 Cu. Yds.
291-292	✓	= 7657 ✓
292-293	✓	= 6859 ✓
293-294	✓	= 19466 ✓
294-295	✓	= 28196 ✓
295-296	- 1/3 ✓	= 6321 ✓
Total		= 62707 ✓

Dredge # 10 July 1959

Dredge Operated 31 days

✓ Dug - 666 hrs. 55 min = 27.79 days = 89.64 %

✓ Lost - 77 - 05 ✓ = 3.21 ✓ = 10.36 %

Avg. Hgt of bank = 1.3 ft.

✓ Depth = 15.5 ✓

Total ✓ = 16.8 ✓

(5.9)

Surface	8327	9557			
	7095 ✓	8327 ✓			
	1232 ✓	1230 ✓	1231 × 17.67 =	21,752	Sq. Yds.

Bedrest	0770	2005			
	9546 ✓	0770 ✓			
	1224 ✓	1235 ✓	1229 × 17.67 =	21,716	Sq. Yds.

~~21,646~~

43468

Avg Area = 21734 Sq. Yds.

21734 5.6 ✓
~~21,699~~ × ~~16.8~~ = ~~121710~~ Cu. yds.
 3

121710 3926
~~121514~~ = ~~7990~~ Cubic yards per day Elapsed time
 31

121710 4380
~~121514~~ = ~~195796~~ Running ✓
 27.79

Pond Elev. - 1830.1
 Claims dredged - 98.99 B.L.D.
 Surface Area - 4.49 acres. ✓
 Avg. width - 250'
 Length - 780'

21,752	21716	21734
9	21,646	21,699
	9	9
195,768 ✓	194,814	195,291
	195,444	195,606

Thaw W/O

$$\begin{array}{lcl}
 \text{Block \#118 - Remainder minus} & \frac{220 \times 70 \times 21.1}{27} & = 90247 \text{ Cu Yds} \\
 \text{\#119 - Remainder} & & = 74594 \checkmark \\
 \text{\#120 - } \frac{250 \times 130 \times 21.5}{27} & & = 12940 \checkmark \\
 \text{Total} & & = 177781 \checkmark
 \end{array}$$

Strip W/O

$$\begin{array}{lcl}
 \text{\#295-296 - Remainder} & & = 12642 \text{ Cu Yds} \\
 \text{\#296-297 - } \checkmark & & = 20819 \checkmark \\
 \text{\#297-298 - } \frac{4}{5} \checkmark & & = 17616 \checkmark \\
 \text{\#298-299 - } \frac{2}{3} \checkmark & & = 15470 \checkmark \\
 \text{\#299-300 - } 10\% \checkmark & & = 2480 \checkmark \\
 \text{Total} & & = 69027 \checkmark
 \end{array}$$

DREDGE # 10 AUGUST 1959

Dredge Operated 31 days

✓ Dug 697 hrs. 25 mins = 29.06 days = 93.74%

✓ Lost 46 ✓ 35 ✓ = 1.94 ✓ = 6.26%

Avg. Hgt of bank = 1.5 ft.

✓ Depth = 17.7 ✓

Total ✓ = 19.2 ✓

(5.0)

Surface

4305

5777

2823

4305

1482 ✓

1472 ✓

= 1477 × 17.67 = 26,099 ✓ Sq. Yds.

Bedrock

7170

8597

5744

7170

1426 ✓

1427 ✓

= 1427 × 17.67 = 25,215 ✓ Sq. Yds.

2) 51,314 ✓

Avg Area = 25,657 ✓

$$\frac{25,657 \times 6.4}{3} = 164,205$$

164,205 ✓ CUBIC YARDS

$$\frac{164,205}{31} = 5,297 \text{ CUBIC YARDS PER DAY ELAPSED TIME}$$

$$\frac{164,205}{29.06} = 5,651 \text{ RUNNING}$$

Pond Elev - 1831.5

Claims dredged - 99 B.L.D.

Surface Area - 5.39 acres

Avg width of cut - 200'

✓ Length - 1160

26,099

$$\frac{26,099}{9} = 2,899.89$$

25,215

$$\frac{25,215}{9} = 2,801.67$$

25,657

$$\frac{25,657}{9} = 2,850.78$$

Thaw W/O

Block #120	-	Remainder	=	56441 Cu. Yds.	
- #118	-	✓	=	12034	✓
✓ #121	-	$\frac{120 \times 170 \times 14.3}{27}$	=	10804	✓
- #122	-	$\frac{445 \times 140 \times 22.6}{27}$	=	<u>52147</u>	✓
			Total	=	131426 ✓

Strip W/O

X ² 297-298	-	Remainder	=	4406 Cu. Yds.	
298-299	-	✓	=	7734	✓
299-300	-	$\frac{1}{3}$ ✓	=	14878	✓
300-301	-	$\frac{1}{3}$ ✓	=	18418	✓
301-302	-	$\frac{1}{4}$ ✓	=	<u>6397</u>	✓
			Total	=	51833 ✓

Dredge # 10 September 1959

Dredge Operated 30 days

✓ Dug 678 hrs 45 mins = 28.28 days = 94.27%

✓ Lost 41 ✓ 15 ✓ = 1.72 ✓ = 5.73%

Avg. hgt of bank 0.6 ft.

✓ Depth 18.2 ✓

Total ✓ 18.8 ✓

(5.4)

Surface

2216

3267

1160

2216

1056 ✓

1051 ✓

1054 × 17.67 =

18,624 ✓

Sq. Yds.

Bedrock

4302

5332

3271

4302

1031 ✓

1030 ✓

1031 × 17.67 =

18,218 ✓

Sq. Yds.

2 36,842 ✓

18,421 ✓

$$\frac{18,421 \times 18.8}{3} = 115,438 \text{ ✓ Cubic Yards}$$

$$\frac{115,438}{30} = 3,848 \text{ ✓ Cubic Yards per day Elapsed time}$$

$$\frac{115,438}{28.28} = 4,082 \text{ ✓ Running ✓}$$

Pond Elev. 1827.1

Claims dredged 99, 100 B.L.D.

Surface Area - 3.85 acres

Avg. width of cut - 220'

✓ Length - - - 750'

18,624

9

167,616 ✓

18,218

9

163,962 ✓

18,421

9

165,789 ✓

Shaw W/O

Block #121 - Remainder

= 57760 Cuyds

$$\checkmark \# 122 - \frac{2044}{22.6} - \frac{2813}{764} - \frac{2044}{768} - \frac{766 \times 7.67 \times 22.6}{3}$$

= 101878 ✓

$$\checkmark \# 123 - \frac{370 \times 315}{27} \times 13.7$$

= 59138 ✓

$$\checkmark \# 124 - \frac{240 \times 80}{21.3} \times 21.3$$

= 7573 ✓

$$\text{Total} \quad 226349 \quad \checkmark$$

Strip W/O

RD 299-300 - Remainder

= 7438 Cuyds

300-301 - ✓

= 9260 ✓

301-302 - ✓

= 19192 ✓

302-303 - $\frac{4}{5}$ ✓

= 19784 ✓

303-304 - $\frac{1}{3}$ ✓

= 12862 ✓

304-305 - $\frac{1}{6}$ ✓

= 6209 ✓

$$\underline{\quad} \quad 74745 \quad \checkmark$$

Dredge # 10 October 1959

Dredge Operated 31 days

✓ Dug 695 hrs. 50 mins = 28.99 days = 93.53%

✓ Lost 48 ✓ 10 ✓ = 2.01 ✓ = 6.47%

Avg hgt of bank = 1.8 ft.

✓ Depth = 17.9 ✓

Total ✓ = 19.7 ✓

(5.2)

Surface

9950

1078

8825

9950

1125 ✓

1128 ✓

1127 × 17.67 =

19914

19801

Sq. Yds.

Bedrock

2205

3306

1096

2205

1109 ✓

1101 ✓

1105 × 17.67 =

19525

19415

Sq. Yds.

Avg. Area =

39216

39439

19719

19608

6573

6536

19608 × 19.7 =

19719

129488

128759

31

129488

128759

28.99

129488

128759

28.99

129488

128759 Cu Yds.

4177

4177 Cu Yds. per day elapsed time

4467

4467

4467

4467

4467

4467

4467

4467

4467

4467

4467

4467

4467

4467

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4467

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4467

4467

4467

Pond Elev. - 1824.7

Claims dredged - 100 B.L.D.

Surface Area - 4.09 Acres

Avg width of cut - 275'

✓ Length ✓ - 640'

19914

19801

9

178209

179226

19525

19415

9

174735

175725

19719

19608

9

176472

177471

Thaw W/O

$$\text{Block \# 122} - \frac{90 \times 40 \times 22.6}{22.6} = 1506 \text{ Cx's}$$

$$\text{Block \# 124} - \frac{5779}{21.3} - \frac{6059}{280} - \frac{6343}{284} \times 8 \times 17.67 \times \frac{7.1}{3} = 35379 -$$

$$\text{Total} = 36885 -$$

Strip W/O

$$\text{X3 304-305} - \frac{1}{5} \text{ Remainder} = 6209 \text{ Cx's}$$

$$305 - 306 - \frac{1}{3} = 11099 -$$

$$\text{Total} = 17308 -$$

DREDGE # 10 NOVEMBER 1959

4:00 PM

DREDGE OPERATED 12 days

✓ DUG 264 hrs. 0 min = 11.0 days = 91.67 %
 ✓ LOST 24 - 0 - = 1.0 ✓ = 8.33 %

AVG. HGT. OF BANK = 2.0 FT

✓ DEPTH = 19.0 -

(5.0)

TOTAL ✓ 21.0 ✓

Surface 5114 5404
 4823 5114
 291 ✓ 290 ✓ 291 x 17.67 = 5142 ✓ Sq Yds

Bedrock 5703 5981
 5425 5703
 278 ✓ 278 ✓ 278 x 17.67 = 4912 ✓ Sq Yds

2) 10054 ✓
 5027 ✓ Avg. AREA = 5027 ✓ Sq Yds

✓ 7.0
 5027 x 7.0 = 35189 ✓ CUBIC YARDS
 3

35189 = 293 ✓ CUBIC YARDS PER DAY ELAPSED TIME
 12

35189 = 3199 ✓ ✓ ✓ ✓ RUNNING ✓
 11.0

POND ELEV. 1825.6

CLAIMS DREDGED - 100 and 120 B.L.D.

Surface area - 1.06 acres

AVG. width of cut - 200'

✓ Length - - 225

5142
 9
 46,278 ✓

4912
 9
 44,208 ✓

5027
 9
 45,243 ✓

Thaw W/O

$$\text{Block \#122} - \frac{50 \times 55 \times 27.6}{2.6} = 2302 \text{ Cu Yds.}$$

$$\text{Block \#120} - \frac{175 \times 40 \times 21.3}{2.3} = 5522$$

$$\text{Total} = 7824 \checkmark$$

Strip W/O

$$\checkmark 303-304 - \frac{1}{11} \text{ Remainder} = 2338 \text{ Cu Yds}$$

$$304-305 - \frac{1}{13} = 1910 \checkmark$$

$$305-306 - \frac{1}{15} = 1480 \checkmark$$

$$\text{Total} = 5728 \checkmark$$

Dredge No 10 April 1960 started April 25/60 12 Noon 185

Dredge Operated 6 days

✓ Dug - 115 hrs 5 min = 4.83 days = 80.50 %
 ✓ Lost - 28 - 05 - = 1.17 - = 19.50 %
 Avg hgt of bank - 1.0 Ft.
 ✓ Depth - 21.0 - 5
 Total - 22.0 -

Surface 9500 9560
 9438 9500
 62 60 = 61 x 17.67 = 1078 Sq. yds.

Bedrock 9626 9686
 9565 9626
 61 60 = 61 x 17.67 = 1078 Sq. yds.

$$\frac{1078 \times 22.0}{3} = 7905 \text{ Cu. Yds.}$$

$$\frac{7905}{6} = 1318 \text{ Cu. Yds. per day elapsed time}$$

$$\frac{7905}{4.83} = 1637 \text{ - running time}$$

Pond elev. - 1825.7
 Claims dredged - 100 and 120 B.L.D.
 Surface Area - 0.22 Acres.
 Avg width - 230'
 ✓ length - 45'

$$\begin{array}{r} 1078 \\ \times 9 \\ \hline 9702 \end{array}$$

Thaw W/O

Block # 122 - Remainder = 0 Cuyds.

$$\checkmark \# 123 - \frac{(360 \times 180) + (75 \times 180)}{7} \times 13.7 = 35924 \checkmark$$

$$\checkmark \# 124 - \frac{35 \times 165 \times 21.3}{7} = 41555 \checkmark$$

$$\checkmark \# 125 - \frac{350 \times 115 \times 19.8}{7} = 29516 \checkmark$$

$$\text{Total} = 69995 \checkmark$$

3 trip W/O

302-303 - Remainder = 4949 Cuyds

$$303-304 \checkmark = 23386 \checkmark$$

$$304-305 - \frac{3}{4} \checkmark = 16755 \checkmark$$

$$305-306 - \frac{1}{6} \checkmark = 3453 \checkmark$$

$$\text{Total} = 48543 \checkmark$$

Dredge N: 10

May 1960

Dredge operated 31 days

Dug 695 hrs. 15 min = 28.97 days = 93.45 %

lost 48 - 45 - = 2.03 - = 6.55 %

Avg. Wet Bank = 1.8 Ft.

Depth = 16.1 -

Total = 17.9 -

(5.2)

Surface

8187

7424

763

8950

8187

763

= 763 x 17.67 =

13,482 Sq. Yds

Bedrock

9707

8961

746

0454

9710

744

= 744 x 17.67 =

13,164 Sq. Yds.

Avg. Area =

$$\begin{array}{r} 13,164 \\ 2 \overline{) 26,646} \\ \underline{13,323} \end{array}$$

$$\frac{13,323 \times 17.9}{3} = 79,494 \text{ Cubic Yards.}$$

$$\frac{79,494}{31} = 2,564 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{79,494}{28.97} = 2,744 \text{ Running}$$

Pond Elev - 1828.2
 Claims dredged - 100, 120 B.L.D.
 Surface Area - 2.79 acres ✓
 Avg. Width - 250'
 Length - 480'

$$\begin{array}{r} 13482 \\ 9 \overline{) 121338} \end{array} \quad \begin{array}{r} 13164 \\ 9 \overline{) 118476} \end{array} \quad \begin{array}{r} 13323 \\ 9 \overline{) 119907} \end{array}$$

Thru W/O

Block #1, 2, 3 - Remainder

= 5720 CuYas

$$1.24 - \frac{(285 \times 90)}{21.3} \times 21.3$$

$$= 10117 \quad \checkmark$$

✓ # 125 - $\frac{3319}{2510} \frac{4120}{3319}$ $805 \times 1905 \times 19.8$
19.8 $\frac{809}{801}$ $\frac{27}{27}$

$$= 93886$$

Total = 109723 ✓

5 trip. W/O

X² 304-305 - Remainder

- 4169 Cu Yds.

305-306 - ✓

$$= 17,66 \quad \checkmark$$

306-307 - 4/5 - ✓

= 24324 ✓

307-308 - 2/5 ✓

$$= 11774 \checkmark$$

Total = 59533 ✓

DREDGE # 10

JUNE 1960

Dredge Operated 30 days

✓ Dug 677 hrs 30 min. = 28.23 days = 94.10 %

✓ Lost 42 ✓ 30 ✓ = 1.77 ✓ = 5.90 %

Avg. Hgt of bank = 2.9 ft

✓ Depth = 15.3 ✓

Total = 18.2 ✓

(5.2)

Surface

0964

2107

9825

0964

1139

1143

1141 × 17.67 = 20,161 Sq. Yds.

Bedrock

3265

4395

2121

3265

1144

1130

1137 × 17.67 = 20,091 Sq. Yds.

2) 40,252

Avg. Area = 20,126 ✓ ✓

$$\frac{20,126 \times 18.2}{3} = 122,098 \text{ Cubic Yards.}$$

$$\frac{122,098}{30} = 4,070 \text{ Cubic Yards per day Elapsed time}$$

$$\frac{122,098}{28.23} = 4,325 \text{ ✓ ✓ Running ✓}$$

Pond Elev. - 1823.3

Claims dredged - 100, 120 B.L.D.

Surface area - 4.17 acres, ✓

Avg. width - 250'

✓ Length - ~~450~~ 730
$$\begin{array}{r} 20,161 \\ 9 \\ \hline 181,449 \end{array} \checkmark$$

$$\begin{array}{r} 20,091 \\ 9 \\ \hline 180,819 \end{array} \checkmark$$

$$\begin{array}{r} 20,126 \\ 9 \\ \hline 181,134 \end{array} \checkmark$$

Thaw W/O

Block #124 - Remainder = 50516 Cu.Yds.

- #125 - ✓ = 29499 ✓

✓ #126 - $\frac{305 \times 140 \times 140}{27}$ = 22141 ✓
140✓ #127 - $\frac{375 \times 310 \times 20.1}{27}$ = 86542 ✓
20.1

Total = 188698Strip W/OXⁿ 306-307 - Remainder = 6081 Cu.Yds.

307-308 - ✓ = 17664 ✓

308-309 - ✓ = 27632 ✓

309-310 - ✓ = 25857 ✓

310-311 - ✓ = 27546 ✓

311-312 - $\frac{1}{3}$ ✓ = 9403 ✓

Total = 114183 ✓

DREDGE # 10 JULY 1960

Dredge Operated 31 days

✓ Dug - 683 hrs. 05 min = 28.46 days = 91.81%

✓ Lost - 60 ✓ 55 ✓ = 2.54 ✓ = 8.19%

Avg hgt of bank - 3.3 ft.

✓ Depth - 17.5 ✓

Total ✓ - 20.8 ✓

(5.1)

Surface

3120

1451

1669 ✓

4785

3120

1665 ✓

1669 × 17.67 = 29,456 Sq. yards.

Bedrock

6430

4798

1632 ✓

8062

6430

1632 ✓

1632 × 17.67 = 28,837 Sq. yards.

2) 58,293 ✓

Avg. area = 29,147 ✓ ✓

$$\frac{29,147 \times 20.8}{3} = 202,086 \text{ Cubic Yards}$$

$$\frac{202,086}{31} = 6,519 \text{ Cubic yards per day Elapsed time}$$

$$\frac{202,086}{28.46} = 7,101 \text{ Running}$$

Pond Elev. 1818.9

Claims dredged 120 121 B.L.D.

Surface area - 6.09 acres.

Avg. width of cut - 200'

✓ Length ✓ - ~~1275'~~ 1310

29,456

9

265,104 ✓

28,837

9

259,533 ✓

29,147

9

262,323 ✓

Thaw W/O

$$\text{Block \#126} - \frac{5146}{14.0} - \frac{5146}{81} - \frac{5146}{79} \left(\frac{\text{CYS Left W98}}{80 \times 159.05 \times 14.0} \right) = 31041 \text{ CYS.}$$

$$\checkmark \text{ \#127} - \text{Remainder} = 48183 \checkmark$$

$$\checkmark \text{ \#128} - \frac{250 \times 105 \times 15.0}{14.0} = 14583 \checkmark$$

$$\checkmark \text{ \#129} - \frac{240 \times 360 \times 20.3}{20.3} = 64960 \checkmark$$

$$\text{Total} = 158767 \checkmark$$

Strip W/O

$$\text{X1 311-312} - \text{Remainder} = 18806 \text{ CYS.}$$

$$312-313 - \checkmark = 28491 -$$

$$313-314 - \frac{4}{10} \checkmark = 25224 -$$

$$314-315 - \frac{2}{3} \checkmark = 20712 -$$

$$315-316 - \frac{1}{2} \checkmark = 15675 -$$

$$\text{Total} = 108908 \checkmark$$

DREDGE No 10 AUGUST 1960

Dredge Operated 31 days

✓ Dug - 699 hrs. 45 mins = 29.16 days = 94.05 %
 ✓ Lost - 44 ✓ 15 ✓ = 1.84 ✓ = 5.95 %
 Avg. hgt of bank - 1.2 ft.
 ✓ depth - 15.3 ✓
 Total ✓ - 16.5 ✓

(5.5)

Surface

1322 2877

9765 1322

1557 ✓ 1555 ✓

1556 × 17.67 = 27,495 ✓ Sq. yds.

Bedrock

4424 5950

2894 4424

1530 ✓ 1526 ✓

1528 × 17.67 = 27,000 ✓ Sq. yds.

2) 54,495

Avg. area. 27,248 ✓

✓ 5.5
 $\frac{27,248 \times 16.5}{3} = 149,864$ ✓ Cubic yards.

$\frac{149,864}{31} = 4,834$ ✓ Cubic yards per day Elapsed time

$\frac{149,864}{29.16} = 5,139$ ✓ ✓ ✓ ✓ Running ✓

Pond Elev - 1819.3

Claims dredged - 121, 122 B.L.D.

Surface area - 5.68 acres.

Avg. width of cut - 225'

✓ Length - 1100'

27,495
 9
 247,455 ✓

27,000
 9
 243,000 ✓

27,248
 9
 245,232 ✓

Thaw W/O

$$\text{Block \# 126 - Remainder} = 6598 \text{ Co. Yds.}$$

$$\checkmark \text{ \# 128 - } \frac{6151}{5519} \frac{6785}{6151} \quad 633 \times 1767 \times \frac{5.0}{3} = 55925 \quad \checkmark$$

$$\checkmark \text{ \# 129 - Remainder} = 6596 \quad \checkmark$$

$$\checkmark \text{ \# 131 - } \frac{335 \times 130 \times 18.2}{18.2} = 89356 \quad \checkmark$$

$$\text{Total} = 157841 \quad \checkmark$$

Strip W/O

$$\checkmark \text{ 313-314 - Remainder} = 6304 \text{ Co. Yds.}$$

$$314-315 - \quad \checkmark = 10855 \quad \checkmark$$

$$315-316 - \quad \checkmark = 15675 \quad \checkmark$$

$$316-317 - \quad \checkmark = 32080 \quad \checkmark$$

$$317-318 - \frac{3}{4} - \quad \checkmark = 23673 \quad \checkmark$$

$$318-319 - \frac{1}{4} - \quad \checkmark = 12982 \quad \checkmark$$

$$319-320 - \frac{1}{4} - \quad \checkmark = 7991 \quad \checkmark$$

$$\text{Total} = 108940 \quad \checkmark$$

Dredge No 10

Sept 1960

Dredge operated 30 days

✓ dug 670 hrs or min = 27.92 days = 93.07 %

✓ lost 49 - ✓✓ - = 2.08 - = 6.93 %

Avg Hgt Bank = 1.1 ft.

✓ Depth = 16.7 ✓

Total = 17.8 ✓

(5.1)

Surface

8477

0026

6930

8477

1547 ✓

1549 ✓

= 1548

x 17.67

= 27,353

Sq. yds

Bedrock

1562

3084

0041

1562

1521 ✓

1522 ✓

= 1522

x 17.67

= 26,894

Sq. yds.

2) 54,247

Avg. area

27,124 ✓

✓
 $\frac{27,124 \times 17.8}{3} = 160,936$ Cubic yards.

$\frac{160,936}{30} = 5,365$ Cubic yards per day Elapsed time

$\frac{160,936}{27.92} = 5,764$ ✓ ✓ ✓ ✓ Running ✓

Pond Elev.

- 1818.0

Claims dredged

- 121,122 B.L.D.

Surface Area

- 5.65 acres.

Avg width

- 200'

✓ Length

- 1220'

27,353

26,894

27,124

9

9

9

246,177 ✓

242,046 ✓

244,116 ✓

Shank N/O

Block #128	-	Remainder	=	23492 Cu. Yds.
✓ #130	-	$360 \times 307 \times 15.9$	=	65084 ✓
15.9		<u>57</u>		
✓ #131	-	$325 \times 223 \times 18.2$	=	51684 ✓
18.2		48813 <u>57</u>		
		+ $210 \times 20 \times 18.2$		
		<u>57</u>		
		2831		
			Total =	140260 ✓

Strip N/O

XZ 317-318	-	Remainder	=	7892 Cu. Yds.
318-319	-	✓	=	19383 ✓
319-320	-	✓	=	23974 ✓
320-321	-	✓	=	28527 ✓
321-322	-	3/5 ✓	=	15264 ✓
			<u>Total =</u>	95040 ✓

Dredge No. 10

October 1960

147

Dredge operated 31 days

✓ dug 701 hrs. 40 min = 29.24 days = 94.31 D₀

✓ lost 42 ✓ 20 = 1.76 = 5.69 D₀

Avg. Wet Bank = 1.2 ft

Depth = 15.3

Total = 16.5

(5.1)

Surface

3953

2540

1413

5376

3953

1423

= 1418 × 17.67 = 25,056 Sq. Yds.

Bedrock

6810

5399

1411

8222

6810

1412

= 1412 × 17.67 = 24,950 Sq. Yds.

2 50,006

25,003

Avg. area = 25,003

✓ 5.5
25,003 × 5.5 = 137,517 Cubic Yards

137,517 ÷ 31 = 4,436 Cubic Yards per day Elapsed time

137,517 ÷ 29.24 = 4,703 Running

Pond Elev. - 1817.1
Claims dredged - 122, 125 B.L.D.
Surface Area - 5.18 acres.
Avg. width - 200'
✓ Length - 1110'

25,056
9
225,504

24,950
9
224,550

25,003
9
225,027

Thaw W/O

$$\text{Block \# 131} - \text{Remainder} = 22293 \text{ CuYds}$$

$$\checkmark \# 130 - \frac{125 \times 180 \times 17.9}{27} = 15370 \quad \checkmark$$

$$\checkmark \# 133 - \frac{270 \times 40 \times 20.9}{27} = 8360 \quad \checkmark$$

$$\checkmark \# 132 - \frac{65 \times 25 \times 17.1}{27} = 1029 \quad \checkmark$$

$$\text{Total} = 47052 \quad \checkmark$$

Strip W/O

$$\checkmark \# 321 - 322 - \frac{4}{5} \text{ Remainder} = 8140 \text{ CuYds.}$$

$$322 - 323 - \frac{2}{3} \quad \checkmark = 1578 \quad \checkmark$$

$$323 - 324 - \frac{1}{3} \quad \checkmark = 7474 \quad \checkmark$$

$$\text{Total} = 31396 \quad \checkmark$$

Dredge N°10

November 1960
Shut down Nov. 18 - 8:00 AM.

Dredge operated 17 days

- Aug 384 hrs 25 min = 16.02 days = 94.22%

- lost 23 - 35 - = 0.98 - = 5.78%

Avg Hgt Bank = 1.3 Ft

- Depth = 17.9

Total = 19.2

(5.0)

$$\begin{array}{r} \text{Surface} - \begin{array}{r} 6231 \\ \sqrt{738} \\ 493 \end{array} \quad \begin{array}{r} 6735 \\ 6231 \\ 504 \end{array} \quad \begin{array}{r} 7230 \\ 6735 \\ 495 \end{array} \end{array}$$

$$494 \times 17.67 = 8729 \text{ Sq. Yds}$$

$$\begin{array}{r} \text{Bedrock} - \begin{array}{r} 7710 \\ 7222 \\ 488 \end{array} \quad \begin{array}{r} 8190 \\ 7710 \\ 480 \end{array} \end{array}$$

$$484 \times 17.67 = 8552$$

$$\sqrt{17 \times 81}$$

$$\text{Avg Area} = 8640$$

$$\begin{array}{r} 8640 \times 19.2 \\ 3 \end{array} = 55296 \text{ Cu Yds}$$

$$\frac{55296}{17} = 3253 \text{ Cu Yds per day elapsed time}$$

$$\frac{55296}{16.02} = 3452 \text{ running}$$

Pond Elev - 1817.1
Claims dredged - 125 BLD.
Surface Area - 1.80 Acres.
Avg width - 190 Ft.
Length - 4200

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

$$\begin{array}{r} 8552 \\ 9 \\ \hline 76968 \end{array}$$

$$\begin{array}{r} 8640 \\ 9 \\ \hline 77760 \end{array}$$

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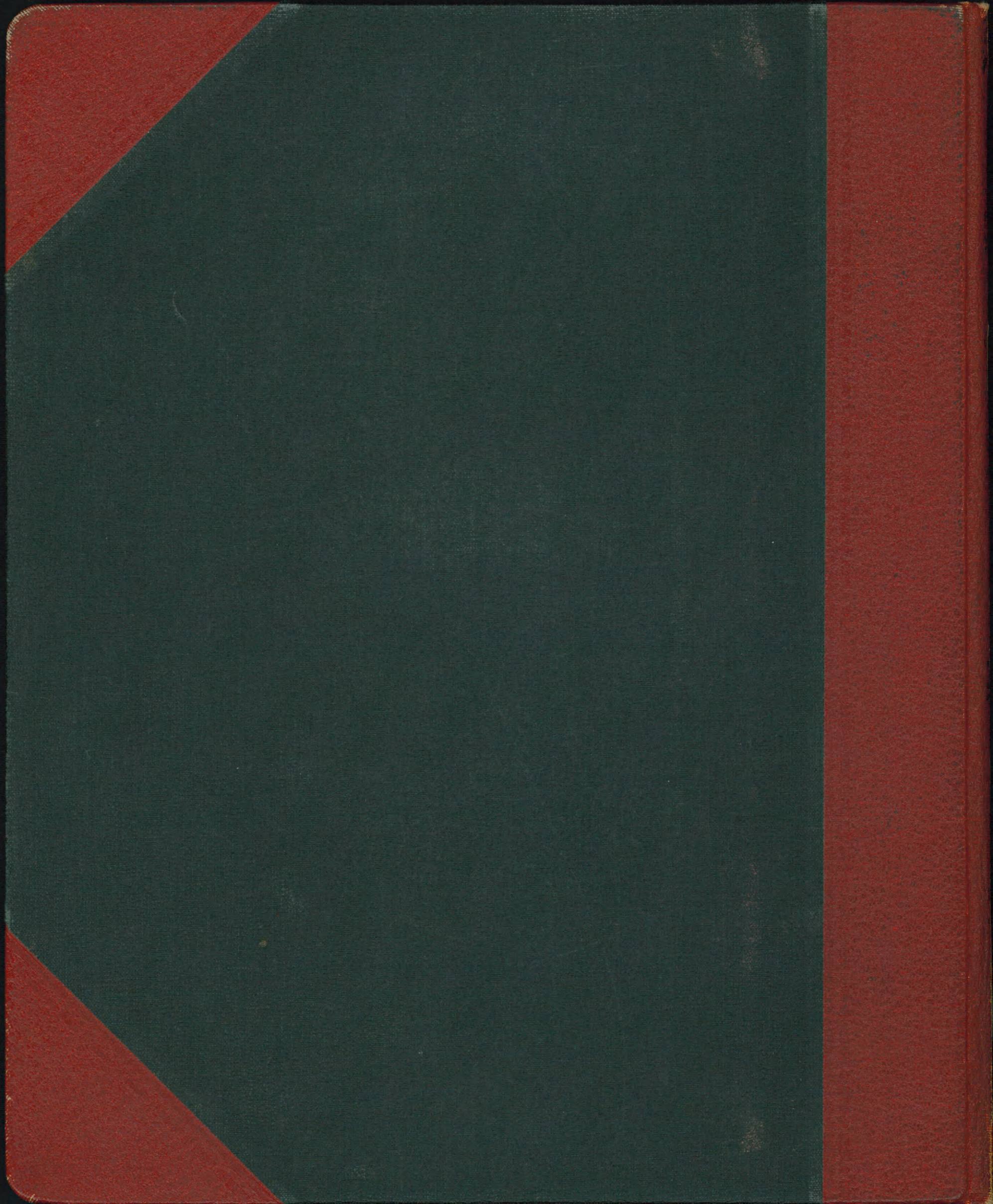
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