

PE-064-01

October 3, 1959

Mr. Warren Magnusson,
McGrath, Alaska.

Dear Warren:

Enclosed you will find the original and one copy of my report and findings concerning the bedrock area and value per square foot of the ground actually mined since you took over the Ganes Creek project in 1957.

I am also enclosing three copies of the map made of the area from my Brunton-tape survey during period of my visit, Sept. 10th to the 14th.

It is hoped that the above data is self explanatory to you and associate.

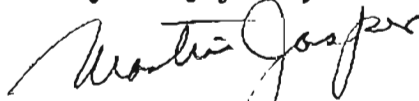
The average value of the 1957 and 1958 season are quite encouraging; the '57 area is almost twice as high as that for the year following.

I trust that you have been able to dredge up to the first of October at least - judging from the weather here you should have been able to do so, as it has been very mild with lots of rain up until last nite when we had a heavy frost. I also trust that this seasons recovery has or will prove very satisfactory to you.

Delay in getting this to you has been regretted by me but seems to have been unavoidable on account of the work piled up in the office needing attention after spending so much time in the field the past season. Still have two or three short trips to make, which have delayed until I could get the time to finish the enclosures. However, I am just "getting under the wire" of the two or three weeks period that you stated would be satisfactory.

With kind personal regards to Mrs. M., your dredge crew, and all members of the family, and with thanks for the opportunity to have spent a very pleasant 4 days in your area,

Very truly yours,


Martin Jasper

STATE OF ALASKA
Department of Natural Resources
DIVISION OF MINES AND MINERALS
329 Second Avenue
Anchorage, Alaska

CALCULATED VALUE PER SQUARE FOOT OF AREA
DREDGED IN 1957-58-59

by
Warren Magnusson
Ganes Creek, Ophir District
Ophir Quadrangle, Alaska

An examination of the limited area dredged to determine the bedrock area mined during this period by Mr. Magnusson, and the recovered average value per square foot was made during the period of Sept. 10th to 14th, 1959, at his request.

The attached map, made from a Brunton-tape survey during the examination period, shows the bedrock area traversed in working the dredge downstream from his starting point at south end of the map to its location on Sept. 12th, 1959.

The dredged limits (as shown) for the most part were plainly visible. Three exceptions are short sections, which were covered by tailings stacked on bank of dredge pond in "swinging" the dredge more or less to right angles of its preceding course. At these sections the covered banks location were delineated by Mr. Magnusson, and their mapped location are considered reasonably accurate.

The area limits of the three seasons dredge operation are shown on the map as indicated by Mr. Magnusson. The 1957 and 1958 work is subdivided to show areas mined - that is, where the bucketline picked-up 20 to 24 and inches of bedrock - areas dredged for flotation only. The presence

Ganes Creek, Ophir District
Warren Magnusson Operation

(or lack) of bedrock material on the dredge tailings pile provides a good marker of areas mined or "prospected" and those dredged for flotation only.

CALCULATED AREAS

Areas mined and those dug for boat flotation only are shown below to the nearest 100 square feet. An average of 2 feet was allowed for bank "sluffing" in every measurement of pond widths.

<u>Sq Ft of Bedrock Mined</u>		<u>Sq Ft Dug for Flotation only</u>
'57 Area "A" = <u>25,000</u>	25,000	'57 Area "B" = 56,100
'58 Area "C" = 63,500		'58 Area "D" = 9,800
'58 Area "E" = <u>5,400</u>	68,900	
'59 Area "F" = 306,000	<u>306,000</u>	'59 <u>None</u>
TOTALS	399,900 sq. ft.	65,900 sq. ft.

CALCULATED VALUES PER SQUARE FOOT

Examination of receipts for gold shipments to the U. S. Mint office at San Francisco, from the 1957 and 1958 limited dredging operations, made by Mr. Magnusson, ^{are shown below} ~~are shown below~~ No Mint returns had been received up to Sept. 14th, 1959, for this years gold production.

<u>Date of Return</u>	<u>Au oz</u>	<u>Fineness Au</u>	<u>Value @ \$35/oz Au</u>	<u>Ag oz</u>	
8/23/57	87.775	876	\$3072.12	11.32	Amalgam sponge
11/7/57	120.450	876	4215.75	15.12	Amalgam sponge
2/4/58	15.238	876	<u>533.33</u>	1.98	Black sands
		TOTAL	\$7821.20		

Ganes Creek, Ophir District
Warren Magnusson Operation

<u>Date of Return</u>	<u>Au oz</u>	<u>Fineness Au</u>	<u>Value @ \$35/oz Au</u>	<u>Ag oz</u>
7/ 8/58	102.110	892½	\$3,573.85	11.04
7/ 9/58	95.175	900	3,331.12	10.25
10/17/58	<u>141.170</u>	895.3	<u>4,940.95</u>	15.12
TOTALS	338.455		\$11,845.92	

The average value per square foot of bedrock area mined in 1957 is calculated to have been -

$$\frac{\$7,821.20}{25,000 \text{ sq ft}} = 31.2\text{¢ per square foot}$$

The average value per square foot of bedrock mined in Areas "C" and "E" is calculated to have been -

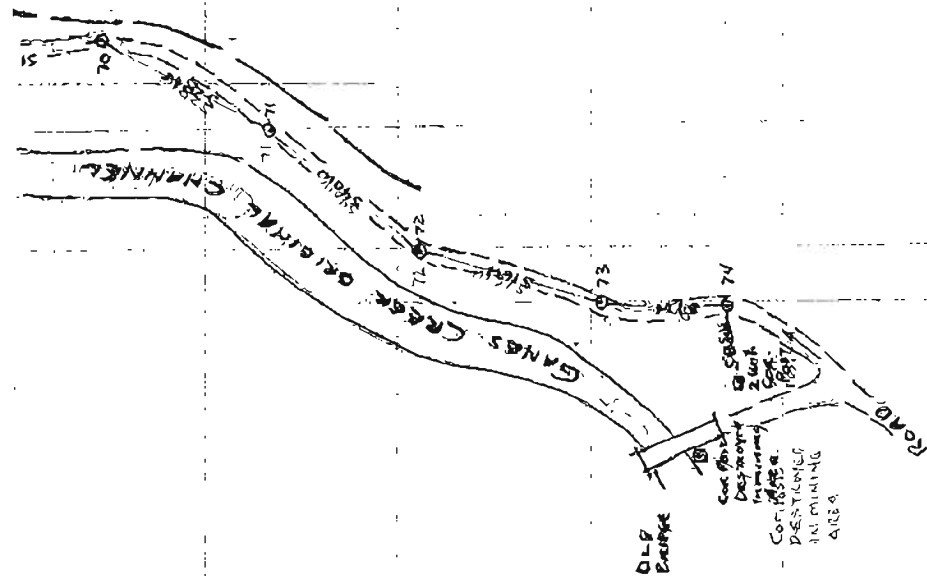
$$\frac{\$11,845.92}{68,900 \text{ sq. ft.}} = 17.2\text{¢ per square foot for } 1958$$

Value of the silver content was not included, as it is negligible in total value, although is sufficient to take care of the and shipping charges charges.

Mr. Magnusson reports that the gold recovered in Area "A" during the 1957 period differs in appearance from that recovered during the 1958 and 1959 seasons. This is confirmed by the difference in "fineness".

October 2nd, 1959

Martin W. Jasper
Martin W. Jasper
Mining Engineer
Division of Mines and Minerals



57 TOTAL PRODUCTION
 BIKSAND 15,23802 MINT RETURN SF. 2/14/58 AG. 19802 DIFFERENT
 (SP) AMPLCAM. 122,45002. ✓ ✓ SF 11/7/57 15.12 AU IN 57
 ✓ XT 77502 ✓ ✓ SF. 8/25/57 11.32 AREA
 208,22502
 Fineness 876 Each

U.S. MINT RETURNS - S.F.

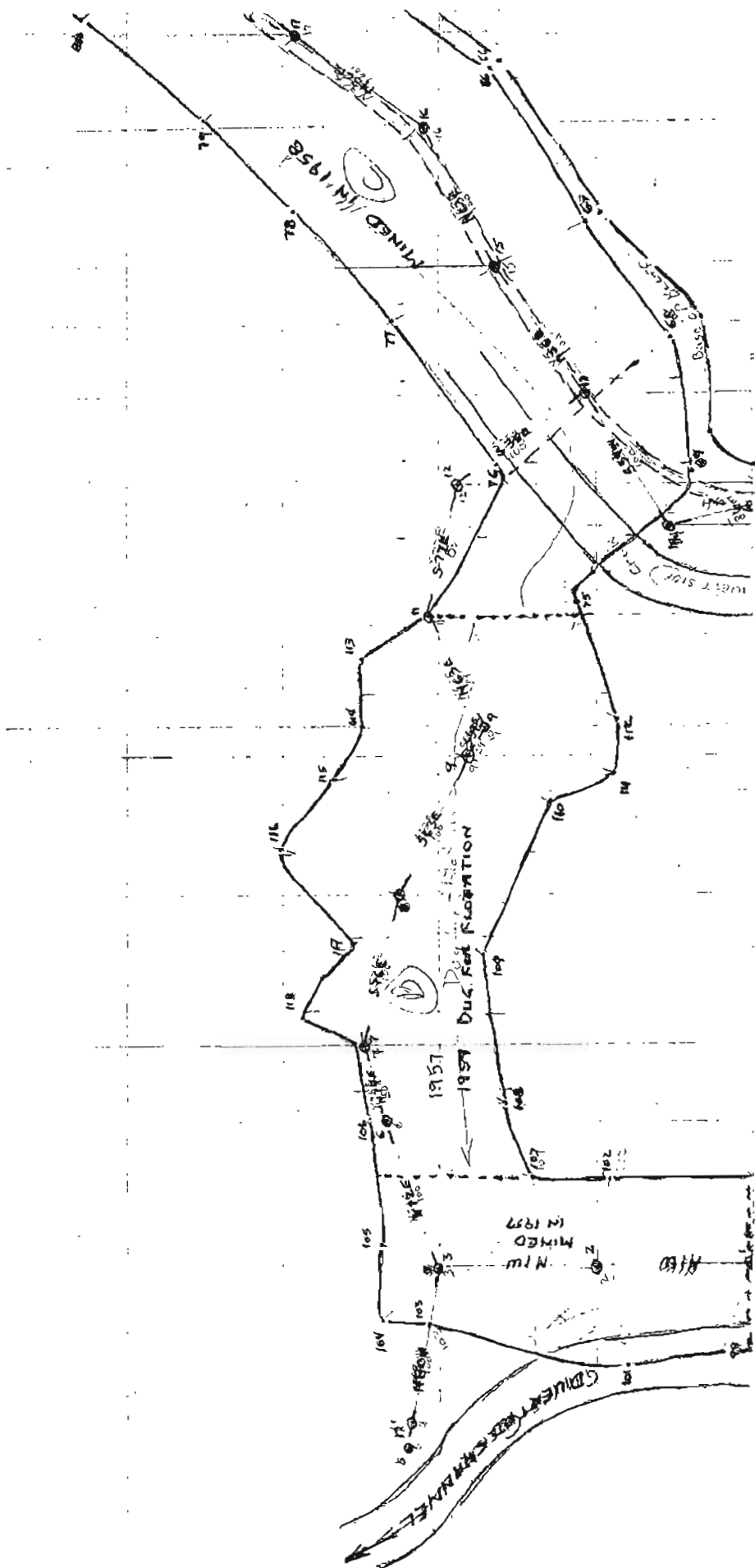
57 TOTAL PRODUCTION

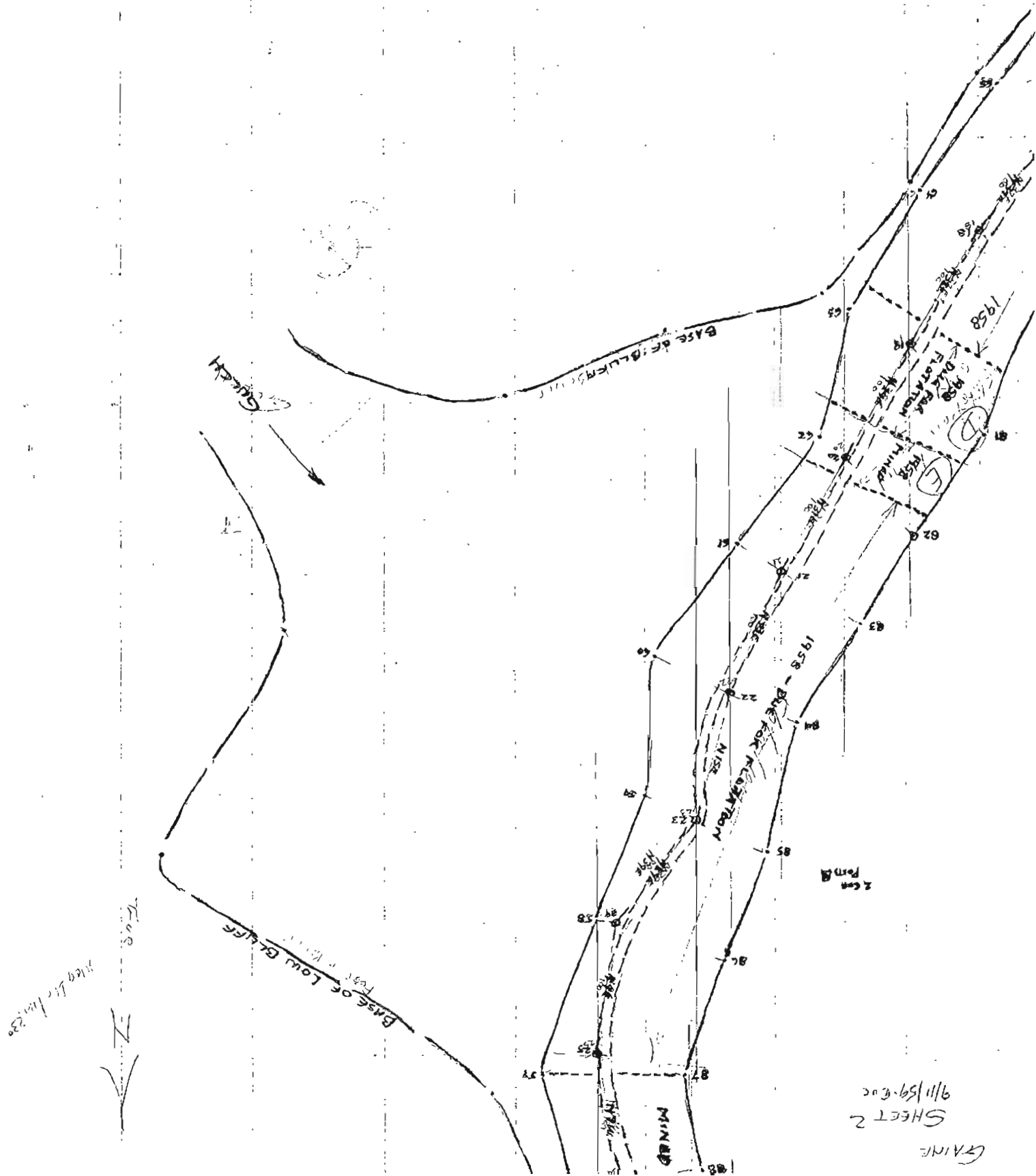
DATE	AU OZ.	AG OZ.	FINESS	AU DIFFERS IN THIS AREA FROM 157 SECTION
7/18/58	102.110	11.04	892 1/2	
7/29/58	95.175	10.25	900	
10/17/58	141.170	15.12	895.3	
	338.455			

Amounts Received from S.F. U.S. MINT RECEIPTS 9/12/59

57- 208.225	59 338.455
104.1125	1692.275
624.675	10153.65
728.7675	11845.425

Area = 78302 Sgft
 101.5177 7287.872 = 9.3/50 ft
 Area = 141,120 Sgft
 Value/Sgft = 11845.92 = 8.44
 141,120.

$\angle Z$ 817-11



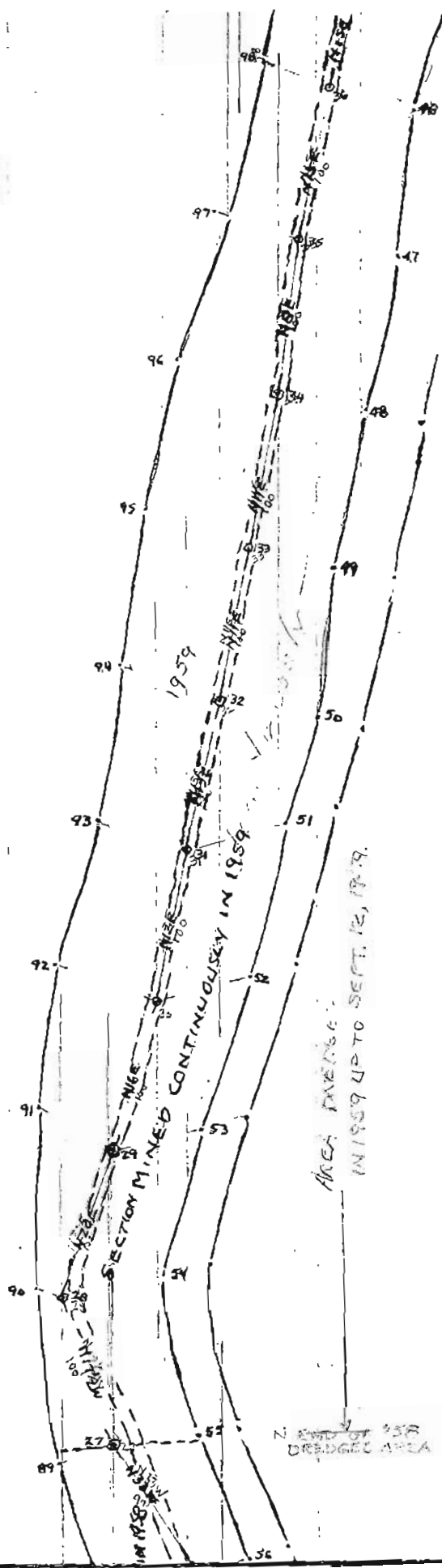
1 SHEET 3

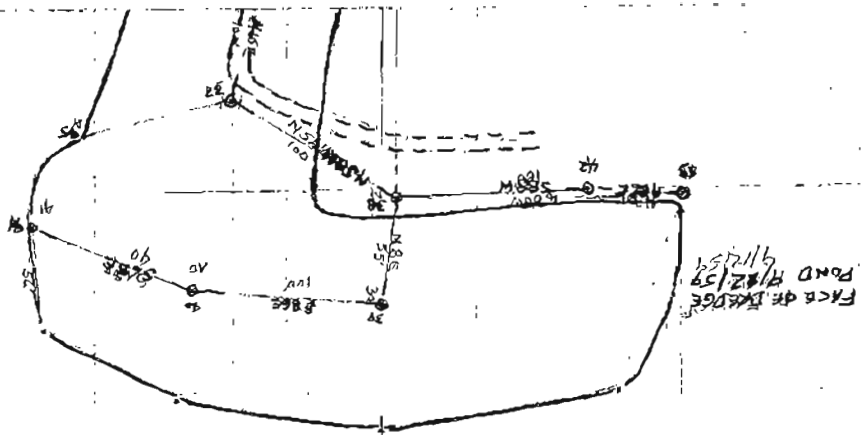
9/11/42

N

CH 13

CP 01-105 Cr





SHEET 4
 Scale 1"=100'
 CHAINES CR
 4/11/59. EMB

MAP SHOWING
GANES CREEK AREA DREDGED IN 1957-58-59

BY

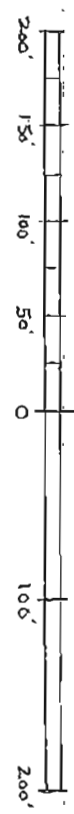
WARREN MAGNUSSON

OPHIR DISTRICT, OPHIR QUADRANGLE, ALASKA

FROM

BRUNTON-TAPE SURVEY MADE SEPT. 10-13, 1959
BY J. J. JENSEN, MINERALS, STATE DIV. OF MINES & MINERALS
ANCHORAGE, ALASKA
O.C.T. 3, 1959

SCALE



21-510 to 21-515

"A"
'57 MINED AREA
'57 DUG FOR "FLOTATION"

LIMITS OF
'57 OPERATIONS

"C"
'58 MINED AREA

"D"
'58 DUG FOR
FLOTATION

"E"
'58 MINED
AREA

LIMITS OF
1958 OPERATION

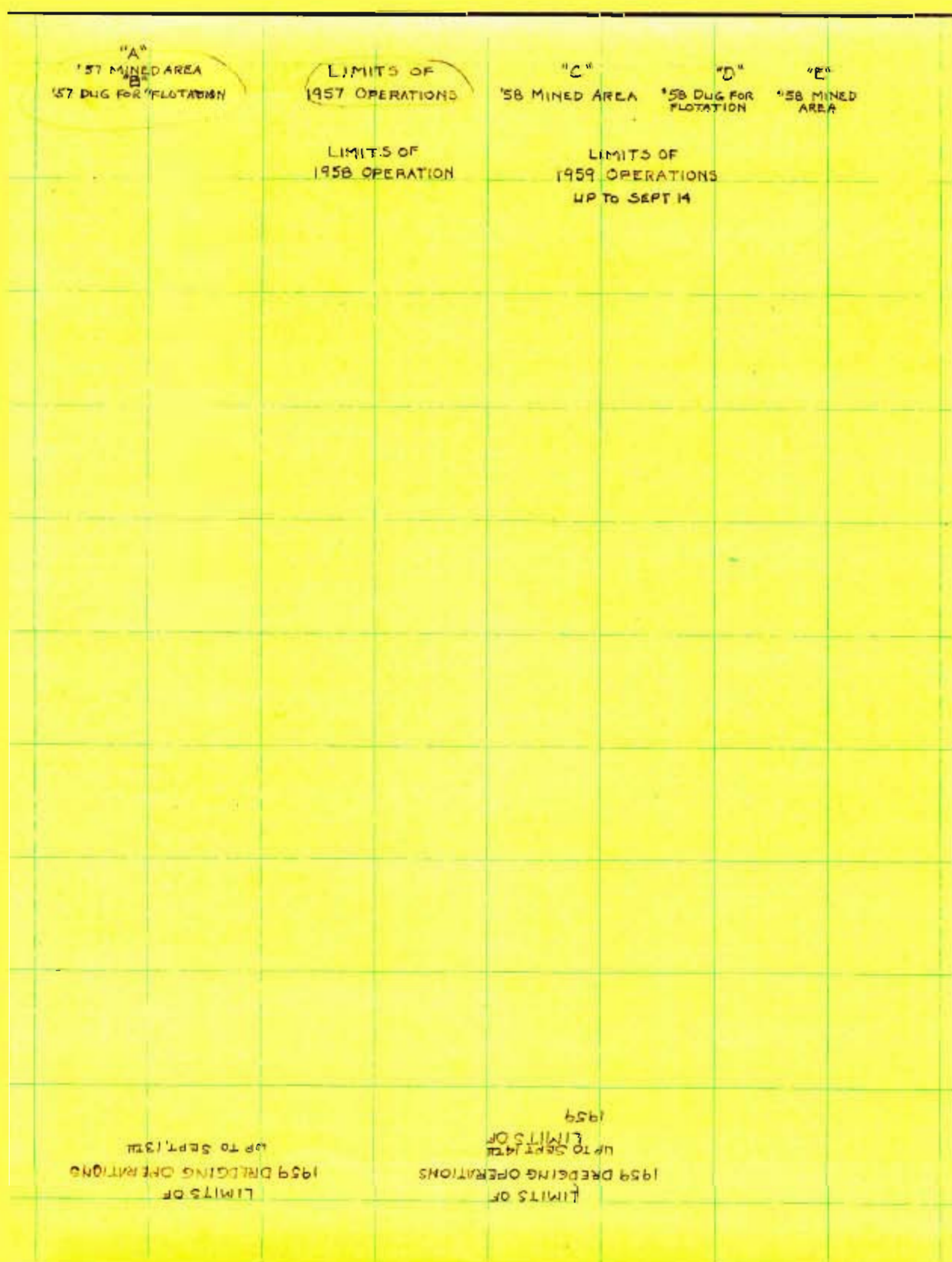
LIMITS OF
1959 OPERATIONS
UP TO SEPT 14

LIMITS OF
1959 DREDGING OPERATIONS
UP TO SEPT 14TH

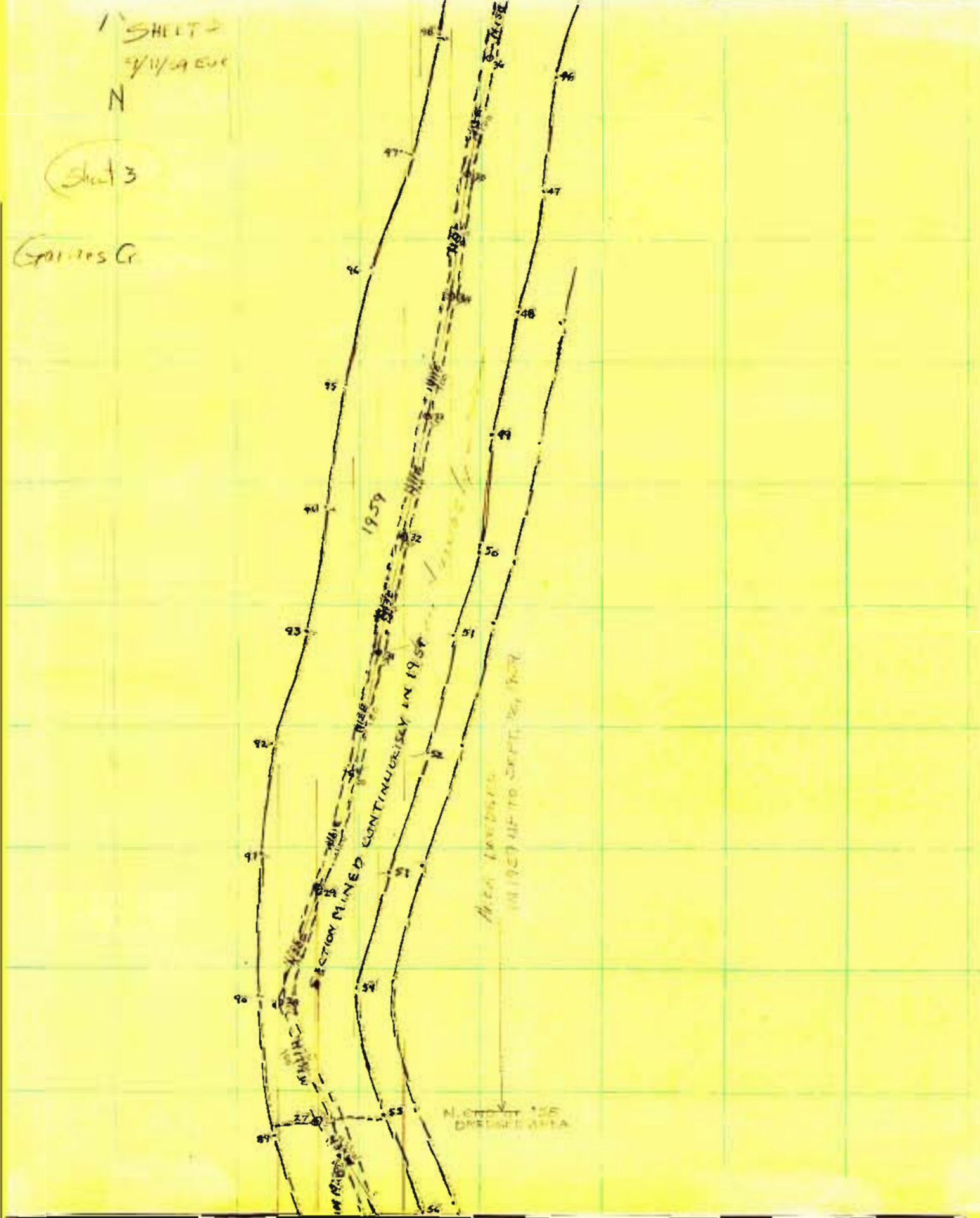
LIMITS OF
1959 DREDGING OPERATIONS
UP TO SEPT 14TH
1954

SHEET 4
Scale 1" = 100'
GAMES CR
11/11/59. EVE

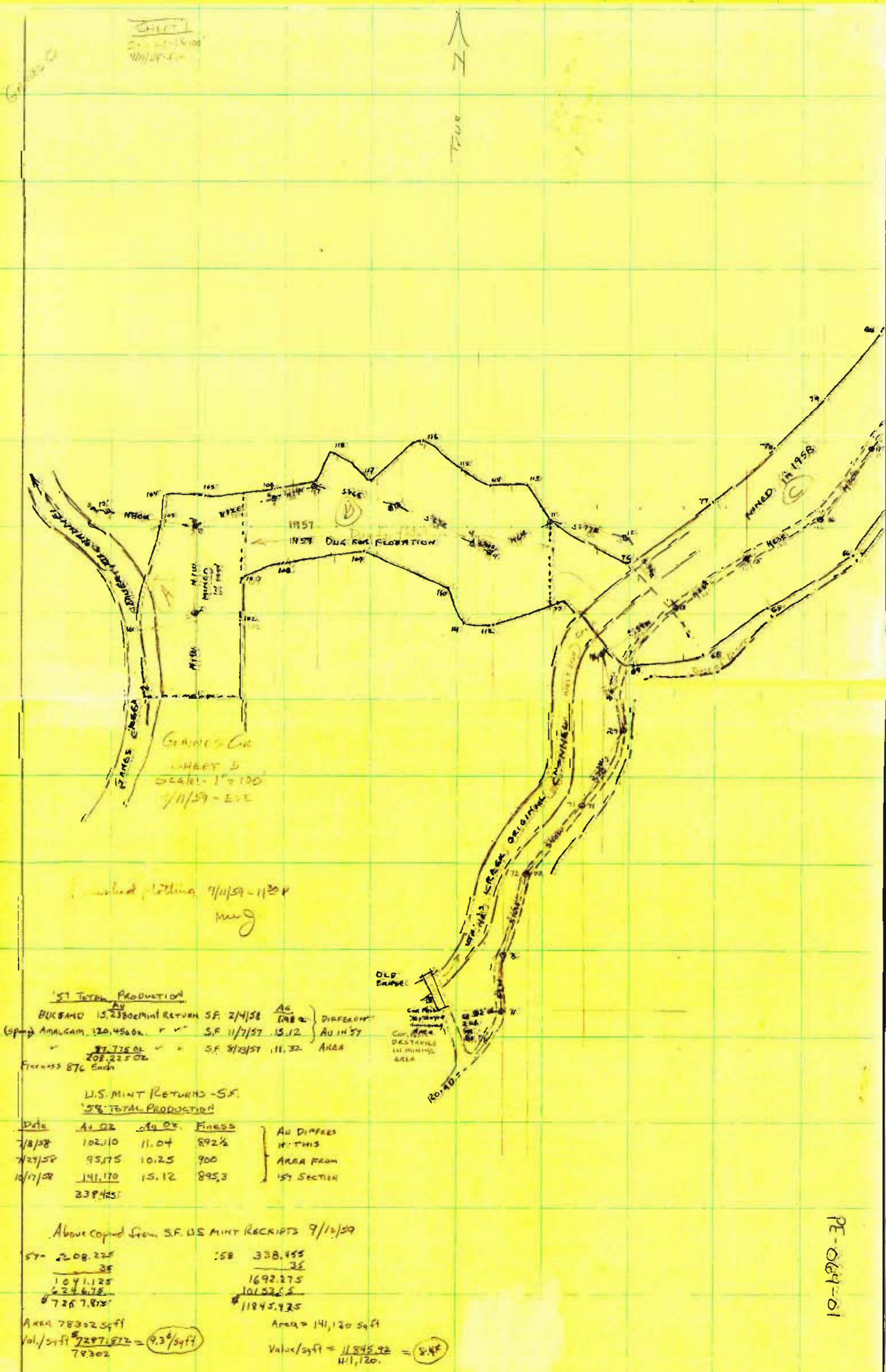
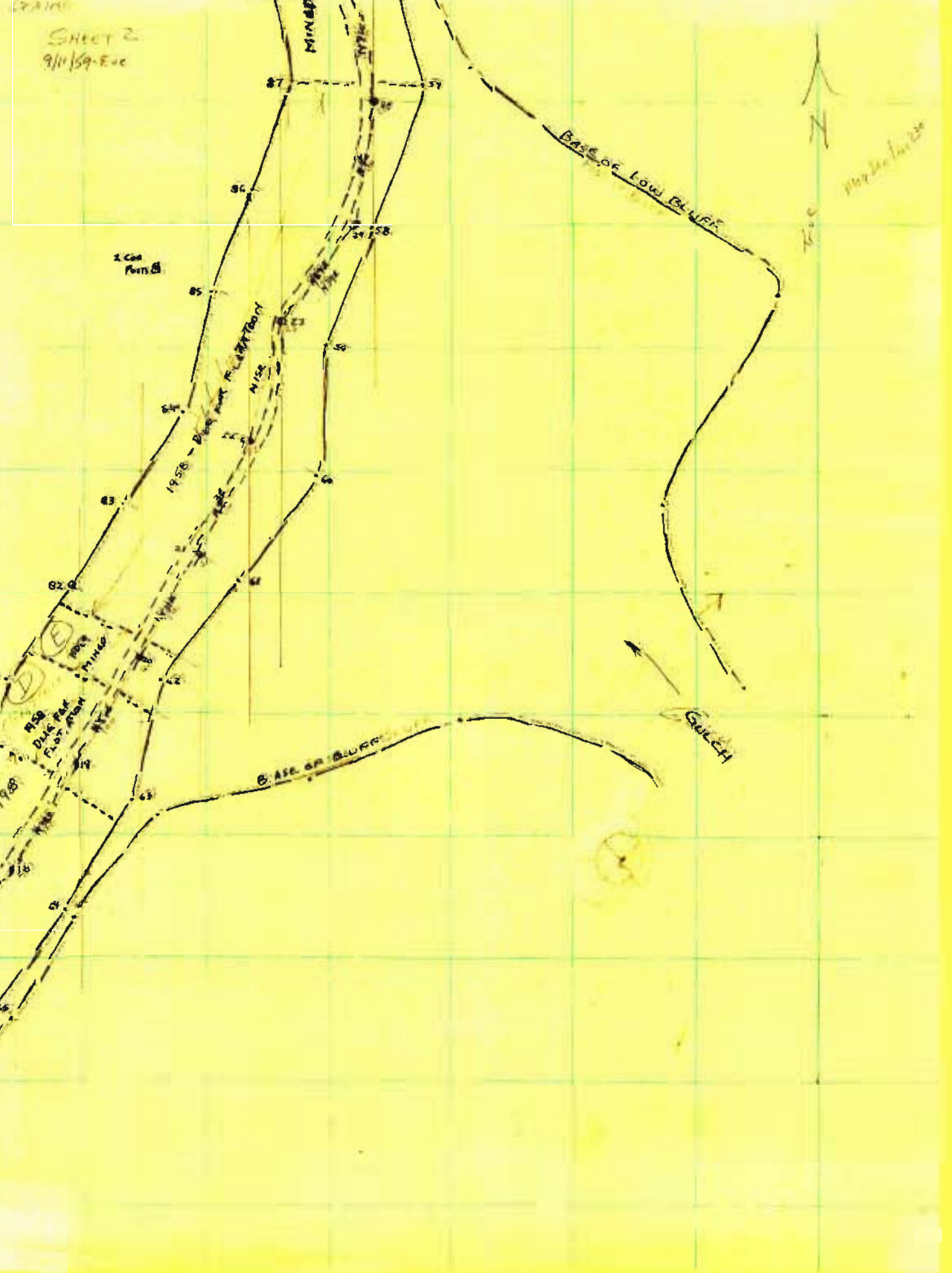
FACE OF DREDGE
POND 9/22/59



SHEET 3
Scale 1" = 100'
GAMES CR



SHEET 2
Scale 1" = 100'
GAMES CR



MAP SHOWING
GAMES CREEK AREA DREDGED IN 1957-58-59
BY
WARREN MAGNUSON
OPHIR DISTRICT, OTHIR, QUADRANGLE, ALASKA
FROM
1500 FT. TAPE SURVEY MADE SEPT. 10-13, 1959
M. W. JENSEN, JR., IN CHARGE, STATE DIV. OF MINES & MINERALS
ANCHORAGE, ALASKA
OCT. 3, 1959
SCALE
200' 150' 100' 50' 0' 50' 100' 150' 200'

57 TOTAL PRODUCTION
BUCKARD 15.38oz/min RETURN SF 2/4/58
(SP) ANAL. 120.45oz. F.V. SF 11/7/57 13.12 Au 11/57
" 27.71oz " " SF 9/29/57 11.32 Au 11/57
FURNISH 876 Each

U.S. MINT RETURNS - SF
58 TOTAL PRODUCTION

Date	Az. Oz.	Ag. Oz.	Fin. Oz.
7/8/58	102.110	11.04	892 1/2
7/29/58	93.175	10.25	900
10/1/58	141.170	15.12	895.3
	236.455		

Below copied from SF. U.S. MINT RECEIPTS 9/10/59

57	58
208.225	338.455
25	25
104.125	169.275
224.675	104.525
726.700	1124.525

Area 78002 sq ft
Vol. 24 ft = 9.37 sq ft
78302

Area 141,120 sq ft
Vol. 24 ft = 11845.22 = 8.47
141,120

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