

PLACER OPERATIONS INNOKO DISTRICT 1926.
Address all Takotna, Alaska, unless otherwise noted.

<u>Operator</u>	<u>Creek</u>	<u>Type of Operation</u>	<u>No. men</u>
Frank Joaquin 64-40	Ganes	Dredge (leased from Innoko Dredging Co.)	13
Guinan and Ames 64-40	Ganes	Dredge	9
*Flume Dredge Co. 64-48	Yankee	Dredge	7
*Flume Dredge Co. 64-9	Little	Dredge	7
Berg and Meier 64-31	Ophir	G.S. with self dumper	7
John Staton	Ophir	G.S. with self dumper	4
John Gaskey	Ophir	Drifting summer & winter	2
Hard and Collins 64-31	Ophir	Slip scraper	6
Johnson & Johnson	Ophir	Slip scraper	3
Victor Hill 64-16	Victor Gulch	Drifting	(1 summer 3-4 winter)
Edwards and Nicholson	Spruce	G.S. & S.I.	2
James Weir	Spruce	Prospecting (has ground)	2
George Boore (A.W. Winald, owner, Healy)	Spruce	G.S. & S.I.	1
Dan Nicholson	Little	G.S. & Slip Scraper	Idle
F. Speljack 64-32	Little	G.S.	2
Vibe & Co. 64-32	Little	Slip Scraper	7
Schneirla Bros. 64-3, 64-4, 64-13	Little	Being dredged by Flume Dredge Co.	
Gus Lampkey (Address Ophir)	Ester	G.S. & S.I.	2

<u>Operator</u>	<u>Creek</u>	<u>Type of Operation</u>	<u>No. men</u>
H. S. Hansen (Address ⁶⁴⁷⁹ Ophir)	Ester	Drifting (getting ready)	1
Hans Erickson ⁶⁴⁴⁰	Ganes	G.S. open cut on benches	2
Charlie Baker	Ganes	Prospecting	1
Ed Nolette	Yankee	"	1
Frank McGaffery	Beaver	Prospecting (Winter only)	1
Mrs. R. A. Anderson	Anvil	Drifting and G.S.	3

Prospecting activity Muddy River (Innoko tributary). Reported new discovery.

This locality is accessible by small boat through Katyuh Slough from the Yukon River 25 miles below Kaltag. A two mile portage is made into Yukon Creek and Muddy River.

Charlie Wolf and Ernest McLeod, Address; Nulato, Alaska. (Have small steam drill). Wet ground.

Victor Nick, Ole Wilson, and one other, Address Nulato, Alaska. (Hand drill).

Winter Prospecting, - John Tilly, John Reddish, and Mike Perry, Address Nulato, Alaska. (Union Iron Slip Shoe Drill, steam). Ground 30-40 feet deep, frozen.

*Address Takotna, Alaska, or 126 Post Street, San Francisco.

NOTES ON PLACER ACTIVITY, INNOKO DISTRICT

Note: (Only one day was available for the visit to this district which included the towns of Ophir and Takotna and four dredging operations). July 30, 1926.

DREDGING

64-9
64-46

The Flume Dredge Company are operating two flume dredges on Little and Yankee Creeks. The dredges are identical in construction.

Superintendent,- C. E. Kimball, Takotna, Alaska.

Address of Dredges,- Takotna, Alaska.

Address, outside,- 126 Post Street, San Francisco, California.

Location,- District, Innoko. Little Creek is located 22 miles northwest of Takotna by road. Yankee Creek is located about 14 miles west of Takotna on the Ganes Creek Road.

Dredgemasters,- Little Creek, Gust Rosen. Yankee Creek, Emil Anderson.

As the dredges are identical in construction the following data is descriptive of both dredges:

Type of Dredge,- Flume.

Size of Buckets,- $2\frac{1}{2}$ cubic feet.

Open or Close Connect Line,- Open.

Number of Buckets on Line,- 29.

35-foot ladder under bucket line.

Number of Buckets Dumping per Minute,- 13.

Digging Depth Below Water Line,- 12 feet.

The dredges have a 100-foot swing.

Notes on Placer Activity, Innoko District

Power Plant Details,- Number of Engines, 1. Horsepower, 60. Type, Fairbanks Morse, Style V. A. R.P.M: 257. Kind of Power, Deisel. Fuel Oil Consumption, 50 gallons per 24 hours. The new engines were installed July 22, 1926. The old engines were Western, 60 horsepower burning 120-130 gallons of distillate per 24 hours. The distillate cost 14¢ per gallon in Seattle against 7¢ per gallon for Deisel Oil. A stop of 15 minutes per day is required to turn down grease cups. The new engines have allowed 20 hours running time out of 24. The cost of the new engines was \$5,000 each.

Total Horsepower Used on Dredge,- 60.

Approximate Yardage Dug per Working Day Based on Actual Performance,- 100 cubic yards per 24 hours, (old rigging).

Size of Hull,- ²⁸~~28~~ x 60 x 4 feet.

Original Builder of Dredge,- Flume Dredge Company.

Kind of Anchorage,- Spud. - 2 timber spuds 20 x 22 diggers,
14 x 18 slapping

Screens,- None.

Pumps,- Number 1. Type B, Form E. No. 12. Manufactured by Krogh Manufacturing Company, San Francisco, California. Size of Pump 12". Capacity, 4,000 gallons per minute.

Conveyor or Stacker,- None.

Flume,- Length 74 feet. Width 30 inches.

Gold saving Area,- 185 square feet. The cleamps are made every 7 days. 75% of the cleamp is made in the first 20 feet.

Grade of Flume,- 10 inches in 12 feet.

Kind of Riffles Used,- Small steel rail riffles with two cross riffles of perforated metal 6 feet apart and 25 feet from the bucket line.

Number of Men Employed, Each Dredge,- 7 men and a cook.

Payroll Both Dredges per Season,- \$22,000.

Notes on Placer Activity, Imoko District

Cost of Board,- \$2.84 per day.

Length of Dredging Season,- 5 months.

Character of Deposits,- Creek.

Cross Section of Deposits From Surface to Bedrock,- Little Creek: Muck, 2 feet, removed by groundsluicing. Glacial fill without much gravel, 4 feet. Bedrock, 1 1/2-2 feet taken. The dredge leaves little tailings. Yankee Creek: Muck, 2 feet, removed by dredge. Gravel, 6 feet. Bedrock, 1 1/2-2 feet taken. There is some blue gumbo that is hard to wash. The tailings after drying and freezing wash easily and average 40¢ per cubic yard.

	LITTLE CREEK	YANKEE CREEK
Dredging First Started this Season,-	July 30.	May 24.
Dredging First Started,-	July 1,-Oct. 24, 1925	Aug.-Oct., 1921
Character and Kind of Bedrock,-	Slate, shattered	Slate, shattered
Average Depth of Deposit,-	6 feet	10 feet.
Size of Gravel,-	Glacial Mud, small stream gravel no boulders.	Small stream gravel, no boulders.
Character and Size of Gold,-	Coarse and worn.	Coarse and worn.
Distribution of Gold,-	Spotted	Rather even.
Value of Gold per Ounce,-	\$18.00	\$18.60
Other Valuable Minerals Found,-	None	None
Estimated Life of Property,-	5 years	5 years
Is ground Frozen,-	Yes	Very little
How Thawed,-	Stripped by ground-slucing.	Natural Thaw.
Dredge Operated Elsewhere,-	Council, Alaska.	<i>Lyons Bend.</i> Salmon River, near Nome, Alaska.

Notes on Placer Activity, Innoko District

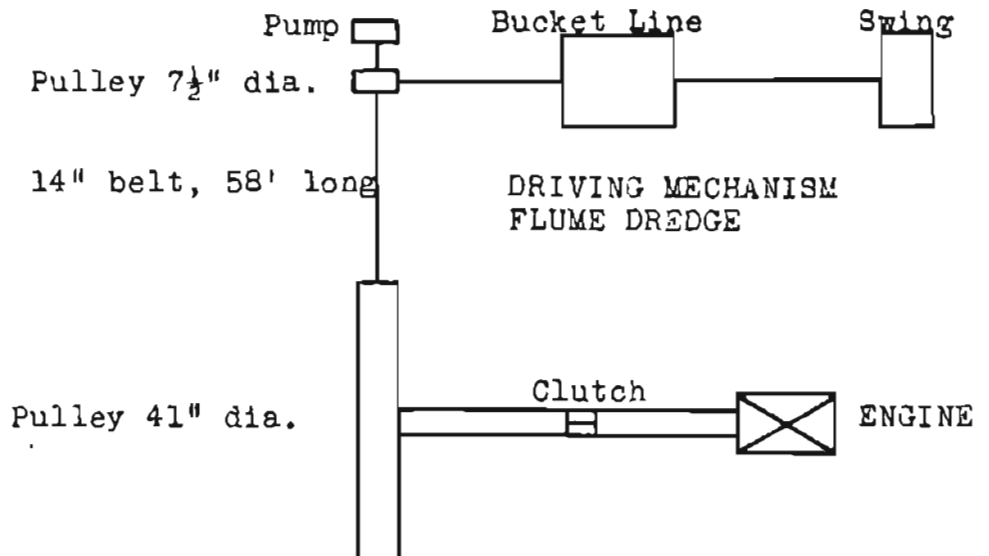
	LITTLE CREEK	YANKEE CREEK
Operating Difficulties,-	None of interest	None of interest
Average Value of Deposit per Cubic Yard,-	Not available as yet.	45¢. Spots go \$2.00 and \$3.00
Width of Deposit,-	" "	" " 200-400 feet.

The Flume Dredge Company has filed the production statistics for 1925. These figures are available to Mr. Wimpler at the San Francisco Office.

Freight Rates,- Seattle to Takotna, \$85.00 per ton. Takotna to dredge \$40.00. Total Seattle to dredge, \$125 per ton. Deisel oil costs 68.70¢ per gallon landed at the dredge.



Flume Dredge at Little Creek.



Notes on Placer Activity, Innoko District

1-264-20

GUINAN AND AMES, GANES CREEK.

Opinion

The visit to Guinan and Ames was made at 2:30 a.m. Mr. Guinan woke from a sound sleep and stated that Mr. Wimmier had all the dredge data on the dredge and a picture of same. The dredge formerly operated at Nome and the only change from the time of Mr. Wimmier's visit was from screen to flume, flume length 70 feet. Mr. Guinan's outside address is Frye Hotel, Seattle. The deposit has 1 foot of muck, 5 feet fine gravel, 2 feet of heavy boulders on bedrock, and 1½ to 2 feet of bedrock are taken. The ground is not frozen. The bedrock is slate cut by "porphyry" dikes, small pups come in by these dikes. The greatest values lie in the vicinity of the dikes. The intervening spaces are low in value. The gold is rather coarse and its distribution uneven. The average value of the deposit was 27¢ per cubic yard last year and 53¢ per cubic yard the year before. The digging speed is 15 buckets per minute. H.P.M. of Engine, 375. Mr. Guinan did not give the payroll but it was estimated by Mr. Carl Lottsfelt of the Alaska Road Commission to be \$2100 per month. Total production for last year, \$31,000. Fuel oil costs 5¢ per gallon this year in Seattle and 80¢ per gallon landed at the dredge. The freight rate from Takotna to the dredge is \$65 per ton. The oil consumption last year cost \$12,000. The dredge has an extreme swing of 120 feet. The average swing is 80 feet. The width of the pay streak varies from 0 to 200 feet with an average of from 60 to 80 feet. Mr. Guinan stated that he believed this was the last dredging season. He is looking for new ground. On the trip from Ganes Creek to Iditarod Mr. Cecil Barlow was met enroute to Guinan and Ames. Mr. Barlow stated that it was his hope to get Guinan and Ames interested in dredging Moore Creek. In this connection the drilling that has been done on Moore Creek, prospecting for dredging, has been done by an associate of Mr. Guinan's, Mr. G. Glass.

FRANK JOAQUIN. 1-264-40

Opinion

Mr. Joaquin is operating under a two year lease from the Innoko Dredging Company. This is the first season of operation and the dredge has been digging flotation. The dredge is working toward Joaquins ground, about 400-500 feet of leased ground remaining on July 30, 1926. It is reported that the dredging operation has broken even so far this season. It is hoped that a profit can be made when the limits of the tailings are reached. The dredge has been idle two years.

Notes on Placer Activity, Imoko District



Joaquin Dredge, Ganes Creek

The dredge is located on Ganes Creek 20 miles west of Takotna by road. The post office address is Takotna, Alaska, there is no outside address. Dredging was first under the Kilroy management. Dredging this season started May 20.

Character of Deposit,- Creek.

Cross Section of Deposit,- Muck 0-1 $\frac{1}{2}$ feet, little soil. Gravel, 10-13 feet. Not over 2 feet of bedrock taken.

Kind of Bedrock,- Slate.

Average Depth of the Deposit,- 10-13 feet.

Distribution of Gold,- Spotted.

Size of gravel,- Most of it goes through the screen, there are few boulders.

The ground is not frozen.

Character and Size of Gold,- Coarse, several quartz inclusions in the nuggets.

Operating Costs,- Not far enough along to determine.

Length of Season,- 5 months.

9/20/1964

Notes on Placer Activity, Innoko District

Actual Running Time of Dredge,- 20 hours out of 24.

Type of Dredge,- Revolving screen combination 2 flume and conveyor.

Type of Anchorage,- Spuds.

Dredge Constructed By,- Union Construction Co.

Where Formerly Operated,- Greenstone, Ruby District.

Maximum Digging Depth Below Water Level,- 15 feet.

Size of Buckets,- $3\frac{1}{2}$ cubic feet.

Open or Close Connected Line,- Close.

Number of Buckets in Line,- 57.

Digging Speed,- 24.5 buckets per minute.

Total Number of Men Employed,- 13.

Average Payroll per Day,- \$117.

Cost of Board,- \$3.00 per day.

Kind of Power,- Steam, wood fuel.

Horsepower Required,- Two 75 horsepower Engines. (Engines constructed by Morris Machine Works, Baldwinville, N. Y.).

Number of Cubic Yards Dug by Dredge per Day,- 3,000, ideal digging; 2400, average.

The dredge started May 20, and had worked 50 working days to July 19, and produced \$24,000. The paystreak is 150-200 feet wide. Wood is furnished as fuel and is hauled six miles. It is delivered at the dredge for \$15.00 per cord. The daily consumption is 9 cords.

Notes on Placer Activity, Innoko District

PRODUCTION, INNOKO DISTRICT

Estimate of Mr. Pete Carlson, Storekeeper, Ophir.
Production for 1925. (Not including dredges):

Ester Creek,-	\$1,000 (expect double 1926)
Ganes Creek,-	\$3,000
Little Creek,-	\$25,000
Anvil,-	\$2,000
Spruce,-	\$3,000
Vic Hill,-	\$15,000
Ophir Creek,-	<u>\$30,000</u>
Total,-	\$79,000

Mr. Chris Bolgen estimated the above output at \$65,000.

A. G. Johnson, Takotna, records \$16,433.63 output to date this year, July 30, 1926, for dredges and operation on Little Creek.

Guinan and Ames 1925 output,- \$31,000 (Mr. J. Guinan).

Ganes Creek, Little Creek, and Yankee Creek, produced a total of \$160,000 in 1925. (A. G. Johnson, Takotna, N. C. Co.).
The production at Yankee Creek was \$35,000. At Little Creek, \$70,000.

The Alaska Road Commission has completed the road from Takotna to Ophir this year. There has been a shortage of water and consequent retarding of placer operation. The Innoko River has been very low.

PLACER OPERATIONS CRIPPLE DISTRICT 1926.
Address Cripple, Alaska, via Ophir.

<u>Operator</u>	<u>Creek</u>	<u>Type of Operation</u>	<u>No. men</u>
Sid Polson	Colorado	Hydraulic	3
William Cridgely	Colorado	G.S. & Drifting	1
William Senanatkos	Eldorado	Prospecting	1
Jim Wilson	Cripple	Hydraulic open cut	5

The operations in this section were very much hindered this season due to a shortage of water.

K-45-11
Ophir & A
Sid Polson is employing three men. Under normal operation there are eight men employed. Colorado Creek was visited July 27, 1926. Up to that time there had been only five days operation this season. The crew were at work building new sluice boxes and in the experimental installation of a ten foot overshot water wheel for an electric light plant. There are two giants in the bed rock cuts and one other giant is used to stack tailings. The bedrock is from four to nine feet deep with a one and one-half to two foot covering of muck. Water is supplied by a mile and a half ditch with a 150 foot fall. The sluices are 30" wide by 18" deep.

William Cridgely has been working on the installation of a pipe line this summer. His claims have been idle. He has four claims adjoining Polson.

Jim Wilson uses a windlass with 10 cubic foot buckets for hoisting from the cut. The cut is eight to ten feet deep and one hundred fifty feet wide. The best of the ground goes 90¢. One man is employed on the windlass.

The ground previously held by Greenburg and Schedel has been leased by Sid Polson. It was later reported that the ground owned by Greenburg had been thrown up.

The production of the Cripple District is estimated by Chris Bolgen, U. S. Commissioner at Ophir, to be \$12,000 for 1925.

PLACER OPERATIONS TOLSTOI DISTRICT 1926.
Address all Tolstoi via Ophir, Alaska.

<u>Operator</u>	<u>Creek</u>	<u>Type of Operation</u>	<u>No. men</u>
Harry Madison	Esperanto	Drifting	1
John Kruger	"	"	1
Ed Enholm	Madison	Hydraulic	2
Mr. Jones	"	G. S. & S. I.	1

Note: Mr. Chris Bolgen, U. S. Commissioner, Ophir, Alaska expressed a willingness to make out a report of activity around Ophir if requested.

Production Tolstoi District 1925 \$2500 (estimate furnished by Pete Carlson and Chris Bolgen, Ophir, Alaska).