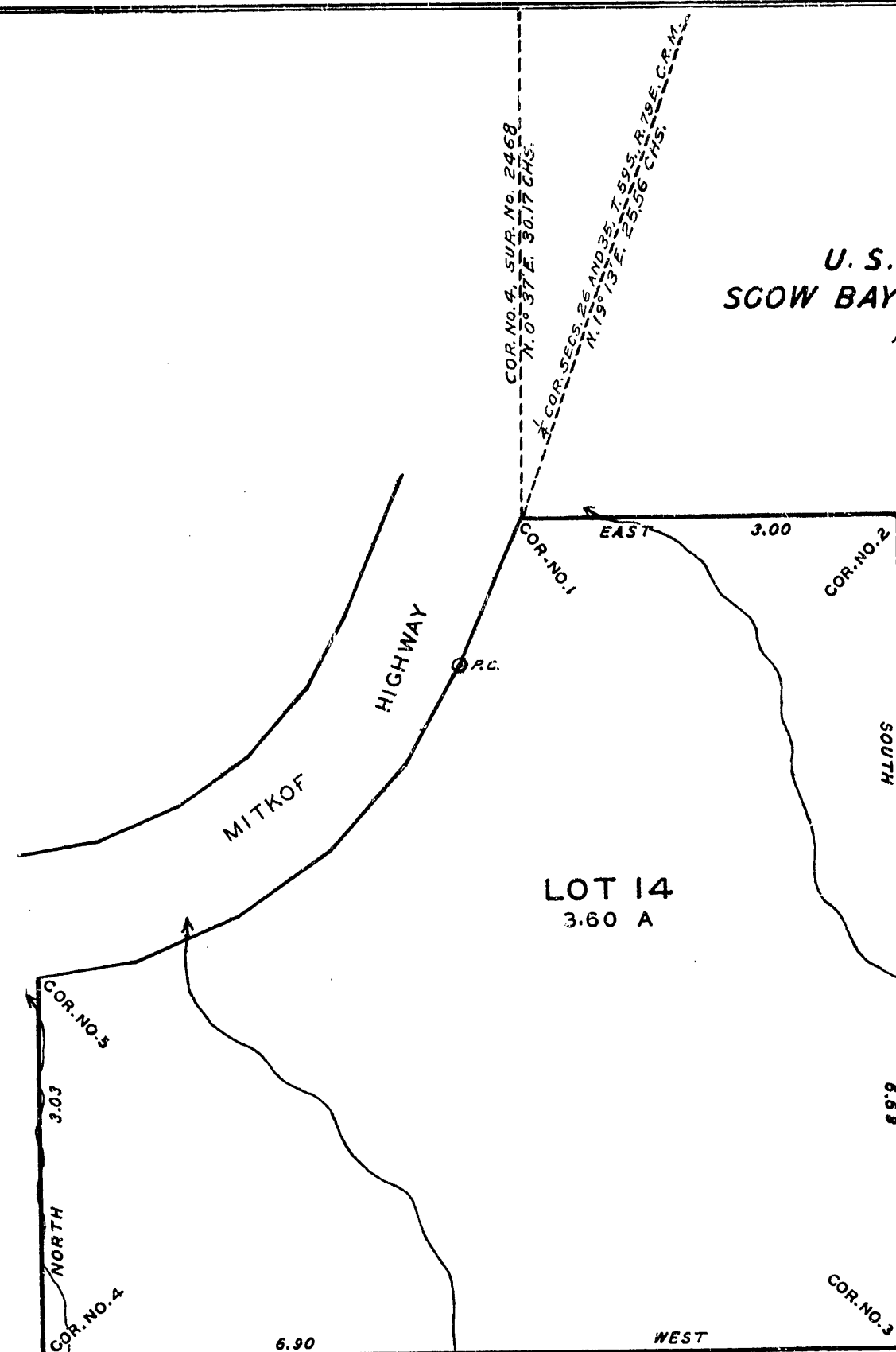


U. S. SURVEY NO. 2470
SGOW BAY GROUP OF HOMESITES
 AREA: 3.60 AGRES



NOTE: SEE FIELD NOTES FOR TRAVERSE
 OF LOT ALONG THE HIGHWAY

NOTE: FOR THE SHOWING OF ORIGINAL LOT 3,
 SEC. 35, T. 59 S., R. 79 E., SEE PLAT
 APPROVED JUNE 28, 1929.

PLAT

of
 U. S. SURVEY NO. 2470
 of the

SGOW BAY GROUP OF HOMESITES

Executed under the Act of Congress,
 Approved MAY 26, 1934

situated

IN LOT 3, SEC. 35, T. 59 S., R. 79 E., EAST SIDE OF
 MITKOF HIGHWAY, ABOUT 8 MILES S.E. OF PETERS -
 BURG
 TERRITORY OF ALASKA

Area: 3.60 acres
 Declination: 31° 00' E.
 Scale: 1 chain to the inch

Latitude 56° 42' 35" N. Longitude 132° 53' W.

Survey executed by

F. W. WILLIAMSON, CADASTRAL ENGINEER, G. L. O.

AUGUST 16, 1939

CERTIFICATE OF APPROVAL
PUBLIC SURVEY OFFICE

Juneau, Alaska, JULY 3, 1940

The original field notes of Survey No. 2470, of the

SGOW BAY GROUP OF HOMESITES

from which this plat has been made, have been examined
 and approved, and are on file in this office, and I hereby
 certify that they furnish such an accurate description of
 said claim as will, if incorporated into a patent, serve fully
 to identify the premises, and that such reference is made
 therein to natural objects and permanent monuments, as
 will perpetuate and fix the Locus thereof.

And I further certify that this is a correct plat of
 said claim, made in conformity with said original field
 notes of the survey thereof, and the same is hereby ap-
 proved.

E. A. Parks
 District Cadastral Engineer

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GENERAL LAND OFFICE

Washington, D.C., JUNE 19, 1941

The survey represented by this plat having been cor-
 rectly executed in accordance with the requirements of
 law and the regulations of this office, is hereby accepted.

W. C. Howell
 ACTING ASSISTANT COMMISSIONER

4-879
(April 1939)

ORIGINAL

FIELD NOTES

OF



U. S. S U R V E Y No. 2470

embracing

LOT 14

SOOW BAY GROUP HOMESITES

SITUATE IN

LOT 3, Sec. 35, T. 59 S., R. 79 E.

on

EAST SIDE OF MITKOF HIGHWAY ABOUT 8 MILES SE. of

PETERSBURG ALASKA

IN

Latitude 56°42'35" North

Longitude 132°53' West

Of the Copper River Meridian,

In the State of TERRITORY OF ALASKA

EXECUTED BY

F.W. WILLIAMSON

CADASTRAL ENGINEER G.L.O.

Under special instructions dated March 21, 1939, 19, which provided
Survey No.
for the surveys included under Group No. 2470, bearing the approval of the
Commissioner of the General Land Office under date of April 28, 1939
and assignment instructions dated April 15, 1939, 19

Survey commenced August 16, 1939, 19

Survey completed August 16, 1939, 19

FIELD NOTES OF U.S. SURVEY No. 2470

chains Survey commenced August 16, 1939 and executed with a W. and L. E. Gurley transit No. 38105. The horizontal plates read by double opposite verniers to single minutes of arc, which is also the least count on the vernier of the vertical circle.

The instrument was new in March 1938 and after having been tested and found free from appreciable error was approved by the District Cadastral Engineer for Alaska.

Prior to commencing the survey I examine all the adjustments of the transit and find them satisfactory.

Measurements were made with a 5 chain steel tape graduated to single links, first and last link graduated to tenths of a link.

The tape was tested on a 66 foot standard steel tape and found correct. Measurements were made on the slope to nearest tenth link and the vertical angle of each interval was ascertained with the transit circle. The horizontal equivalents to nearest link are entered in the field note record.

The true meridian was determined June 26, 1939 at a point on Mitkoff highway about 24 chains S. 80° W. of cor. 1, by observation on the sun's limbs in latitude 56° 42' 35" North, longitude 132° 53' West.

Angle to left from sun to reference point. Mean time of obs. 9 hrs. 02 mins. A.M. l.m.t.

Observation	Inst.	Vertical angle	Horizontal angle
o+	R	42° 01' 30"	43° 06' 00"
+o	D	42° 47' 00"	42° 51' 00"
	mean	42° 24' 15"	42° 58' 30"
o+	D	42° 26' 00"	43° 57' 00"
+o	R	43° 10' 00"	43° 40' 30"
	mean	42° 48' 00"	43° 48' 45"
o+	R	43° 24' 00"	46° 02' 00"
+o	D	44° 24' 30"	46° 20' 30"
	mean	43° 54' 15"	46° 11' 00"

SOLUTION OF FIRST OBSERVATION

✓ 53° 17' 25"	colat.	a. c. sin	0.2605218
✓ 47° 36' 42"	coalt.	a. c. sin	0.1315951
66° 37' 22"	codecl.		
2) 147° 31' 29"			
73° 45' 44"		sin	9.9823208
66° 37' 22"			
7° 08' 22"		sin	9.0944173
			2) 19.4688550
			9.7344275 =

FIELD NOTES OF U.S. SURVEY NO. 2470

chains

57°08'37"

2

114°17'14"

S. 65°42'46"E.

course to sun.

42°58'30"

angle bet. sun and mark.

108°41'16"

✓ N. 71°18'44"E.

course to mark 1st obs.

N. 71°19'21"E.

course to mark 2nd obs.

N. 71°19'40"E.

course to mark 3rd obs.

✓ N. 71°19'15"E.

course to mark by mean of 3 obs.

July 3, 1939 at this same point I observe the altitude of the sun's limbs at a mean time of 3 hrs. 12 mins. P.M. l.m.t. using same reference point.

N. 71°19'15"E. course to mark by mean of A.M. obs. June 26th.

N. 71°21'19"E. course to mark by mean of P.M. obs. July 3

✓ N. 71°20'17"E. course to mark mean of A.M. and P.M. obs. or

✓ N. 71°20'E. which I use in this survey.

The magnetic declination is 31°E.

This meridian agrees with meridian determined near corner 1 Survey 2464 and carried to this point by fore and backsights in the process of these group surveys.

All lines deflected from the true meridian and carried by fore and backsights.

Survey No. 2470 is identical with lot 14 of the Mud Bay Group Homestead and embraces the one lot only.

Begin at corner 1, on East side Mitkof highway R.O.W.

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground with brass cap, mkd.

S 2470

LOT 14 C 1

1939

from which

A hemlock, 22 ins. diam., bears S. 47°45'E., 25 lks. dist., mkd.

S 2470 LOT 14 C 1 BT.

A hemlock, 14 ins. diam., bears N. 63½°E., 41 lks. dist., mkd.

S 2470 R.O.W. BT.

T. 59 S. R. 79 E.

¼ sec. cor. bet secs. 26 and 35 bears N. 19°13'E., 25.56 chs., which is an iron post, 1 in. in diam., firmly set, mkd. and witnessed as described in the official records.

Corner 4, Survey No. 2468 (unapproved) bears N. 0°37'E., 30.17 chs. which is an iron post, 1 in. in diam., marked and witnessed as described in

FIELD NOTES OF U.S. SURVEY No. 2470

chains

the field notes of Survey No. 2468.

Thence

East

Over rolling land, through spruce timber and dense undergrowth.

.66

Creek, 5 lks. wide, course N. 75°W.

3.00

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for cor. 2, with brass cap, mkd.

S 2470
LOT 14 C 2

1939

from which

A hemlock, 10 ins. diam., bears S. 50°45'W., 29 lks. dist., mkd.
S 2470 LOT 14 C 2 BT.A hemlock, 12 ins. diam., bears S. 32½°W., 49 lks. dist., mkd.
S 2470 LOT 14 C 2 BT.

Thence

South

Over rolling land, through spruce and hemlock timber and dense undergrowth.

3.70

Creek, 5 lks. wide, course N. 60°W.

6.68

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for cor. 3, with brass cap, mkd.

S 2470
LOT 14 C 3

1939

from which

A hemlock, 20 ins. diam., bears S. 57½°W., 31½ lks. dist., mkd.
S 2470 LOT 14 C 3 BT.A hemlock, 22 ins. diam., bears N. 39½°W., 10 lks. dist., mkd.
S 2470 LOT 14 C 3 BT.

Thence

West

Descend broken W. slope, through spruce and hemlock timber and dense undergrowth.

3.60

Creek, 10 lks. wide, course North.

FIELD NOTES OF U.S. SURVEY No. 2470

chains
6.70

Creek, 15 lks. wide, course North.

6.90

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground for cor. 4, with brass cap, mkd.

S 2470
LOT 14 C 4

1939 from which

A hemlock, 6 ins. diam., bears N. 78° E., 30 lks. dist., mkd.
S 2470 LOT 14 C 4 BT.

A hemlock, 10 ins. diam., bears N. 53° 45' E., 93½ lks. dist., mkd.
S 2470 LOT 14 C 4 BT.

Thence

North

Over broken West slope, through spruce and hemlock timber and dense undergrowth.

.75

Enter creek, 15 lks. wide, comes from SE. follow creek.

2.78

Leave creek, course N. 10° W.

3.03

Intersect E. side Mitkof highway ROW. on curve. Set an iron post 3 ft. long, 1 in. in diam., 28 ins. in the ground for cor. 5, with brass cap, mkd.

S 2470
LOT 14 C 5

1939 from which

A hemlock, 20 ins. diam., bears S. 69½° E., 7¼ lks. dist., mkd.
S 2470 LOT 14 C 5 BT.

A hemlock, 6 ins. diam., bears S. 40½° E., 7¼ lks. dist., mkd.
S 2470 LOT 14 C 5 BT.

Thence on curve of highway ROW: over rolling land through spruce and hemlock timber and dense undergrowth.

N. 80° 15' E. .77 chs.

N. 67° 33' E. .91 chs. At 50 lks. creek, 15 lks. wide course North.

N. 54° 51' E. .91 chs.

N. 42° 09' E. .91 chs.

N. 29° 27' E. .91 chs. To PC of highway ROW. Intersect a 2 in. iron post with brass cap, mkd. BUREAU PUBLIC ROADS 346+80.5

FIELD NOTES OF U.S. SURVEY No. 2470

chains Thence

N.23°07'E. on tangent of highway ROW. Over rolling land.

1.28

To cor.1 containing ^{3.6}~~3.59~~ ares.

GENERAL DESCRIPTION.

Survey No. 2470 is situate in lot 3, Sec. 35, T. 59 S., R. 79 E. on E. side Mitkof highway about 8 miles SE. of Petersburg Alaska. It embraces one lot - lot 14. The land is rough broken West slope, covered with spruce and hemlock timber and dense undergrowth berry bushes and devil clubs. The soil is vegetable mold 2nd rate. The lot is not occupied.

DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.
2. In balancing the latitudes and departures do not obliterate or change the original figures, but put the corrections above in red ink. Do not change the footing of the original figures, but put the corrected footing below in red ink.
3. See Chapter IX, Manual of 1930, for instructions relative to balancing the closing error, computation of areas, and use of total latitudes and departures.

TABLING AND CALCULATIONS OF U. S. SURVEY No. 2470

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE MERIDIAN DISTANCE	NORTH AREAS	SOUTH AREAS	TOTALS	
			NORTH	SOUTH	EAST	WEST				LATITUDE	DEPARTURE
	EAST	3 00 ✓			3 00 ✓		3 00 ✓				
	SOUTH	6 68 ✓		6 68 ✓							
	WEST	6 90 ✓				6 90 ✓					
	NORTH	3 03 ✓	3 03 ✓				13 80 ✓	41 81 ✓			
	N. 80° 15' E.	77 ✓	13 ✓		76 ✓		13 04 ✓	1 56 ✓	1 70		
	N. 67° 33' E.	91 ✓	59 ✓		84 ✓		11 44 ✓	4 12 ✓			
	N. 54° 51' E.	91 ✓	52 ✓		74 ✓		9 86 ✓	5 13 ✓			
	N. 42° 09' E.	91 ✓	67 ✓		61 ✓		8 56 ✓	5 70 ✓			
	N. 29° 27' E.	91 ✓	79 ✓		45 ✓		7 45 ✓	5 89 ✓			
	N. 23° 07' E.	1 28 ✓	1 18 ✓		50 ✓		6 50 ✓	7 67 ✓			
			6 67 ✓	6 68 ✓	6 90 ✓	6 90 ✓		217 88			
								10155 94			

3.59 acres.

2/7202
3.60

CERTIFICATE OF UNITED STATES SURVEYOR

I, F.W. WILLIAMSON CADASTRAL ENGINEER G.L.O. HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 21 day of March 1939, received from the district cadastral engineer for Alaska, with assignment instructions dated April 15, 1939, I have surveyed U.S. Survey No. 2470 Seow Bay Group Homesteads embracing lot 14, situate in lot 3, Sec. 35, T. 59S., R. 79 E. on East side of Mitkof highway about 8 miles SE. of Petersburg Alaska of the Copper River Meridian, in the State of Alaska Territory of Alaska, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Juneau Alaska
February 1940 *F.W. Williamson*
 Cadastral Engineer G.L.O.

CERTIFICATE OF APPROVAL

OFFICE OF U.S. SUPERVISOR OF SURVEYS

JUL 3 - 1940

The foregoing field notes of the survey of U.S. Survey No. 2470 Seow Bay Group of homesteads, embracing lot 14, situate in lot 3, Sec. 35, T. 59 S. R. 79 E. on East side of Mitkof Highway about 8 miles SE. of Petersburg, Alaska, executed by F.W. Williamson, Cadastral Engineer G.L.O., under special instructions dated March 21, 1939, and assignment instructions dated April 15, 1939, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Geo. C. Parks

U.S. Supervisor of Surveys
 DISTRICT CADASTRAL ENGINEER

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys