

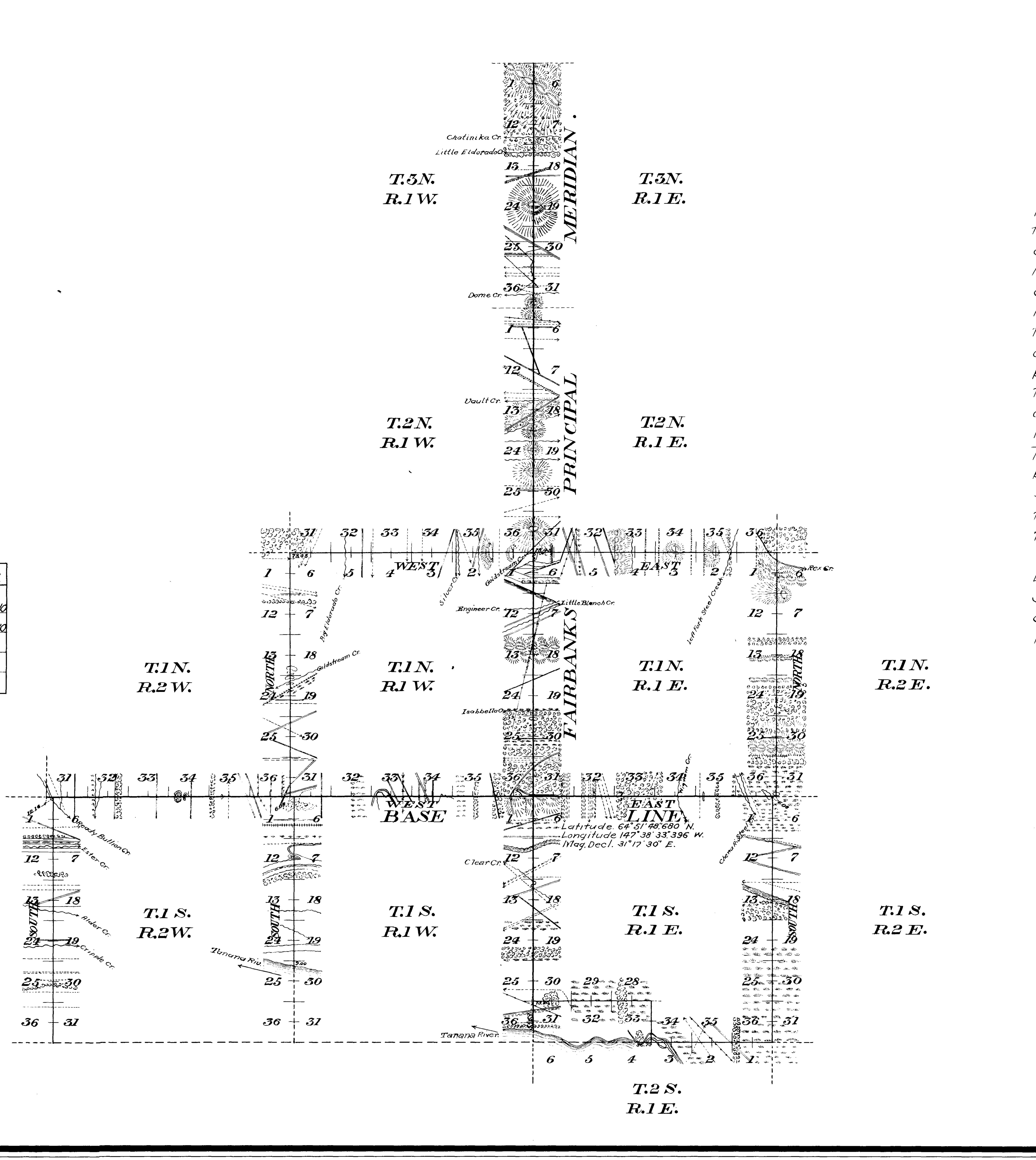
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Survis Designated	Amount.			When Surveyed.		
	MIS.	Chs.	LAS.			
Slandard Lines	41	55	63.	Aug 9. to Sept 7.1910		
Township "	46	01	10	Aug 23 to Sept 29.1910		

T.I S. R.3W.

# TOWNSHIP EXTERIORS.

Scale linch to 160 chains



This Plat

Fairbanks Principal Meridian, through Tps. Nos. / 2 and 3 North and No. / South between Ranges No. I. East and No. I. West; the Principal Base through Ranges Nos. I and 2 West and No. I East; the North and East boundaries of T. I.N. R. I.E.; the North and West boundaries of T. I.N. R.I.W.; the East boundary and a part of the South boundary of T. I.S.

R.IE. the West boundary of T.IS. R2W. and a part of the West boundary of T.IS. R.IW. is strictly conformable to the field notes of the surveys thereof.

by

Employees of the Geological Survey which have been examined\_\_\_\_\_and filed in this office.

U.S.Surveyor General's Office. Juneau, Alaska,

June 15, 1912. nn




The above map of Township No. / South Range No. 2 West of the Fairbanks Meridian Alaska is strictly conformable to the field notes of the survey thereof on file in this office, which have been examined and approved U.S. Surveyor General's Office. Juneau, Alaska, June 7, 1913.

AP,	PROVED	M/N	ERAL	ĒĹ,	AIMS
SILI-NO	Nam Placer (	e laims	Areas	Re7	77 <b>9</b> 74
	Upper 2 of 2				
350	No. I Above	Discy.			7
	3No.7Below		16.352		9
	NO.8 " NO.8A "		17.736		9 9
	No.9 "		19.543		9
	Fractionbe				9
	No.10 Belon No.6 "		19.981 20.000		9 9 and
	PierceAss	_			
355	Wallace	11	158.579		
336	NO.2 Abov No.3 "	e Discy.	19,998	,, OCC.	7 Zand
	No.3 Below,				8
793	Teddy		8.079	11 II	8
•	No.5 Below	•			8
•	No.5 "				8 8 and 5
-	No.3 "D		1 1		
796	No.3 " R.I	L. Bench	17.175	11 11	7 "
•	No.3A ""		4.892		8 x
-	JimYoung	, Fraction	12.048		0 8
	Erickson		•		8
800	No.4 Below	Discy.	1 1		8
	No.5 "		19.995 15.818	-	8 8
	No.6 "	11 L.L.	19.916		8 and
800	No.6 , F	raction	19.995	11 11	8 "
	Upper200 FF. No				
	No.6 Above L Eva Assoc		1		
	Happy Hom		36.087		
	No.2 Above				
	No.2		1		
	Seattle F				
812	Seattle B No.3 on Rea	dy Bullion	14.431	"Sec.	6
812	NO.3 R.L. "	. "	14.433	4	6
	No.3 Below	•	4		
	Lower ± No. Gold Ber				
823	No.7 Below	R.L.Bench	18.029	" "	9
	Lost Butt	/ .			-
824	Sunset C.	_	993.696.		9
	FireaSur.35		۹ <u>.</u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		Net.	977.966	11	
	Areas in	1, , , , , ,			
[*, <u>,                                  </u>	Land		52752	e.u	
- ((1)[[(*	· · · · · · · · · · · · · · · · · · ·		632.53	e III	
	Reservation				
Indian	· · · · · · · · · · · · · · · · · ·			•	
	Allotments				
Indiar	Allotments al Claims		977.97		
Indian Miner			977.97		

at. 64°46'36"N.

Scale 40 Chains to an inch Mean Magnetic Declination



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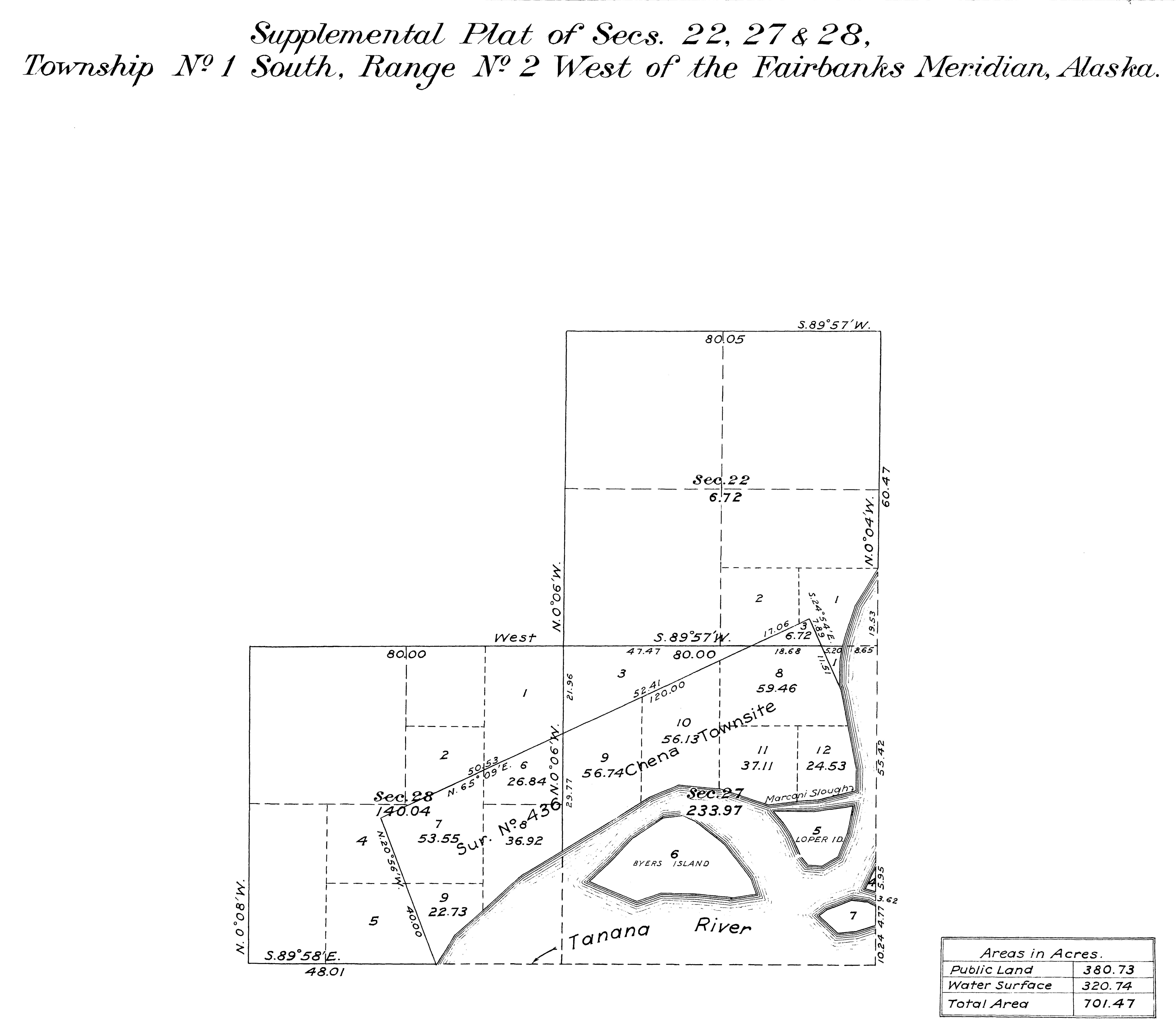
the EXTERIORS of Ts.IS.-Rs.I&2W.and IE., T.3N-R.IE and Ts.I&2N-R.IW.and IE. of the Fairbanks Base and Meridian in the Territory of Alaska is strictly conformable to the field notes of the survey thereof which have been examined, approved and are on file in this office. U.S.Surveyor General's Office Juneau, Alaska, June 25, 1914

This PLAT of

harles Mandson! U.S.Surv. General

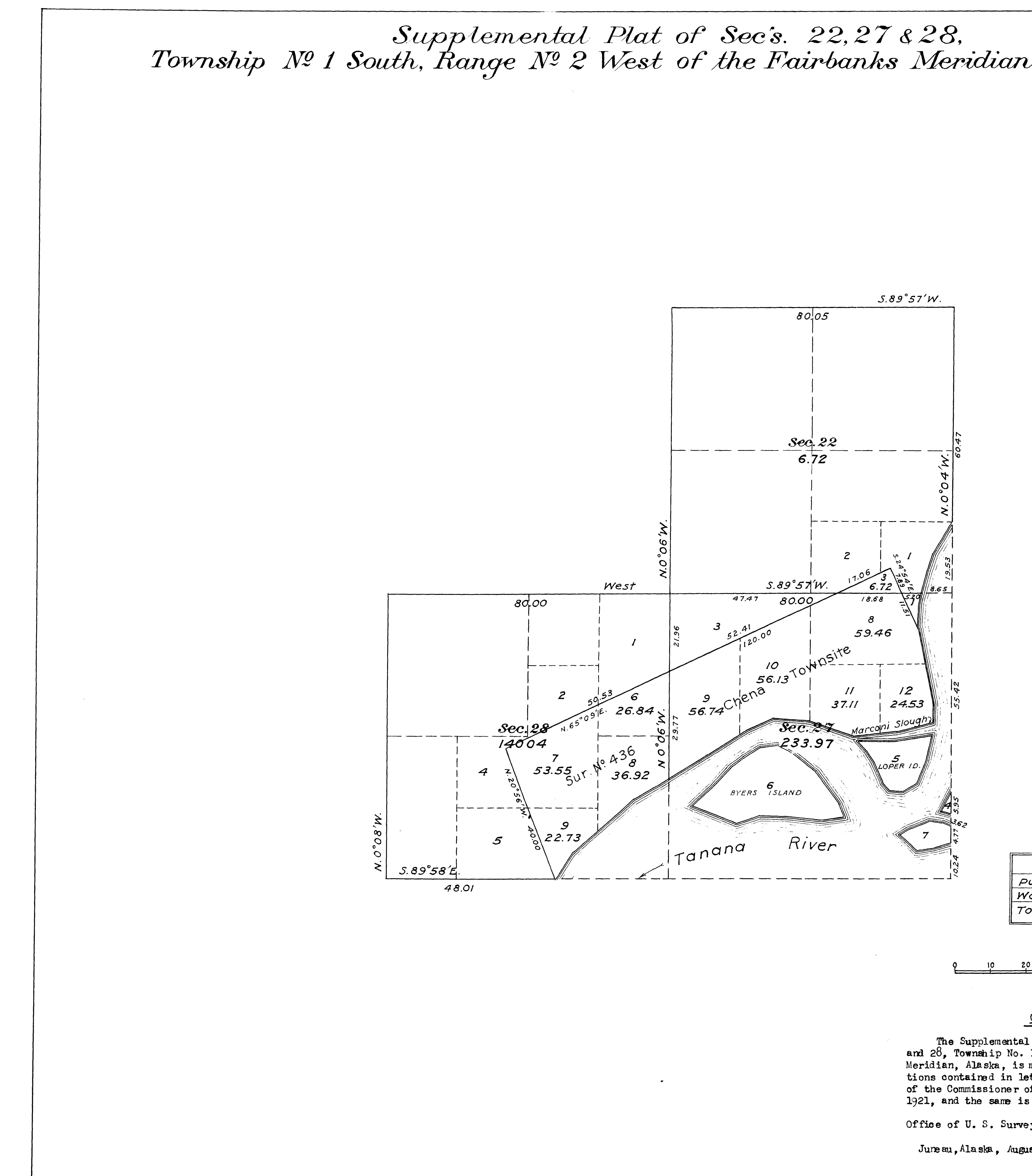
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Areas in Acres. 380.73 Public Land Water Surface 320.74 701.47 Total Area 40 20 10 0 80 Scale 20 chs.to an inch. <u>CERTIFICATE</u>


The Supplemental Plat hereon delineated of Sections 22, 27, and 28, Township No. 1 South, Range No. 2 West of the Fairbanks Meridian, Alaska, is made in strict conformity with the instruc-tions contained in letter 436444 - T.S. 2 - 135 "K" FCD "E" TCH of the Commissioner of the General Land Office, dated July 14, 1921, and the same is hereby approved. Office of U. S. Surveyor General, Bommers W.S. Surveyor General. Juneau, Alaska, August 1,1921.

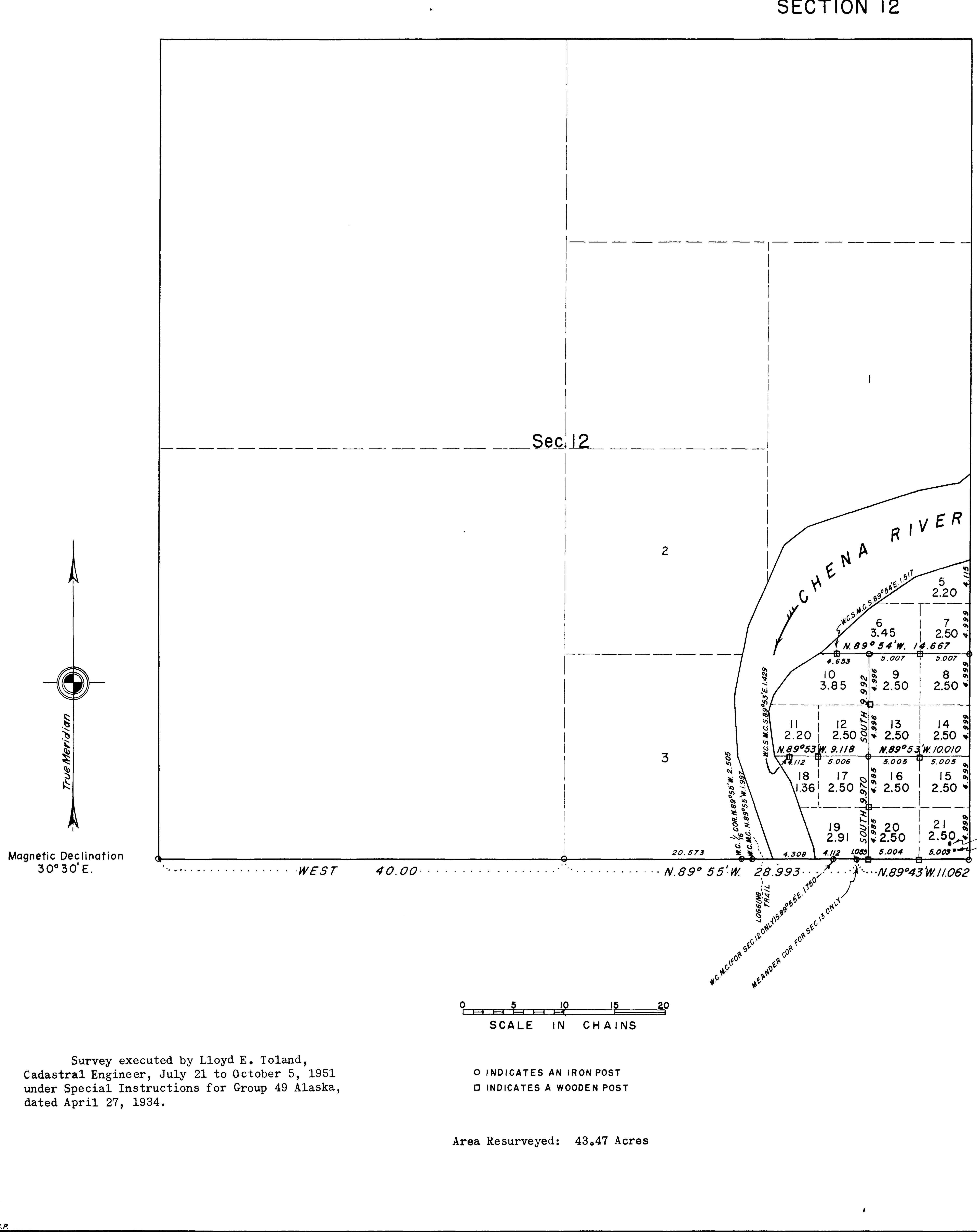


Juneau, Alaska, Aug

n, Alaska.
Areas in Acres
Public Land 380.73
Water Surface320.74Total Area701.47
L Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ
20 40 80
Scale 20 chs. to an inch.
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<u>CERTIFICATE</u> Det homen delinected of Sections 22, 27
al Plat hereon delineated of Sections 22, 27, b. 1 South, Range No. 2 West of the Fairbanks is made in strict conformity with the instruc-
letter 436444 - T.S. 2 - 135 "K" FCD "E" TCH r of the General Land Office, dated July 14,
is hereby approved.
veyor General,
igust 1,1921. U.S. Surve yor General.







# TOWNSHIP I SOUTH, RANGE 2 WEST OF THE FAIRBANKS MERIDIAN, ALASKA DEPENDENT RESURVEY AND SUBDIVISION OF SECTIONS 12, 13, 14 AND 23 SECTION 12

30 29 2.20 3.45 2.50 N.89° 54'W. 14.667 5.007 5.007 4.653 3.85 2.50 2.50 🗎 -----2.50 2.50 🕺 🖌 2.50 N.89° 5 3'W. 10.010 5.005 4 5.006 5.005 are indicated hereon. 2.50 ¥ ──ヽ····'+ -─── ─── ─── ──**──** 19 2.91 20 2.50 4.112 1.055 5.004 5.003 \*\*\*

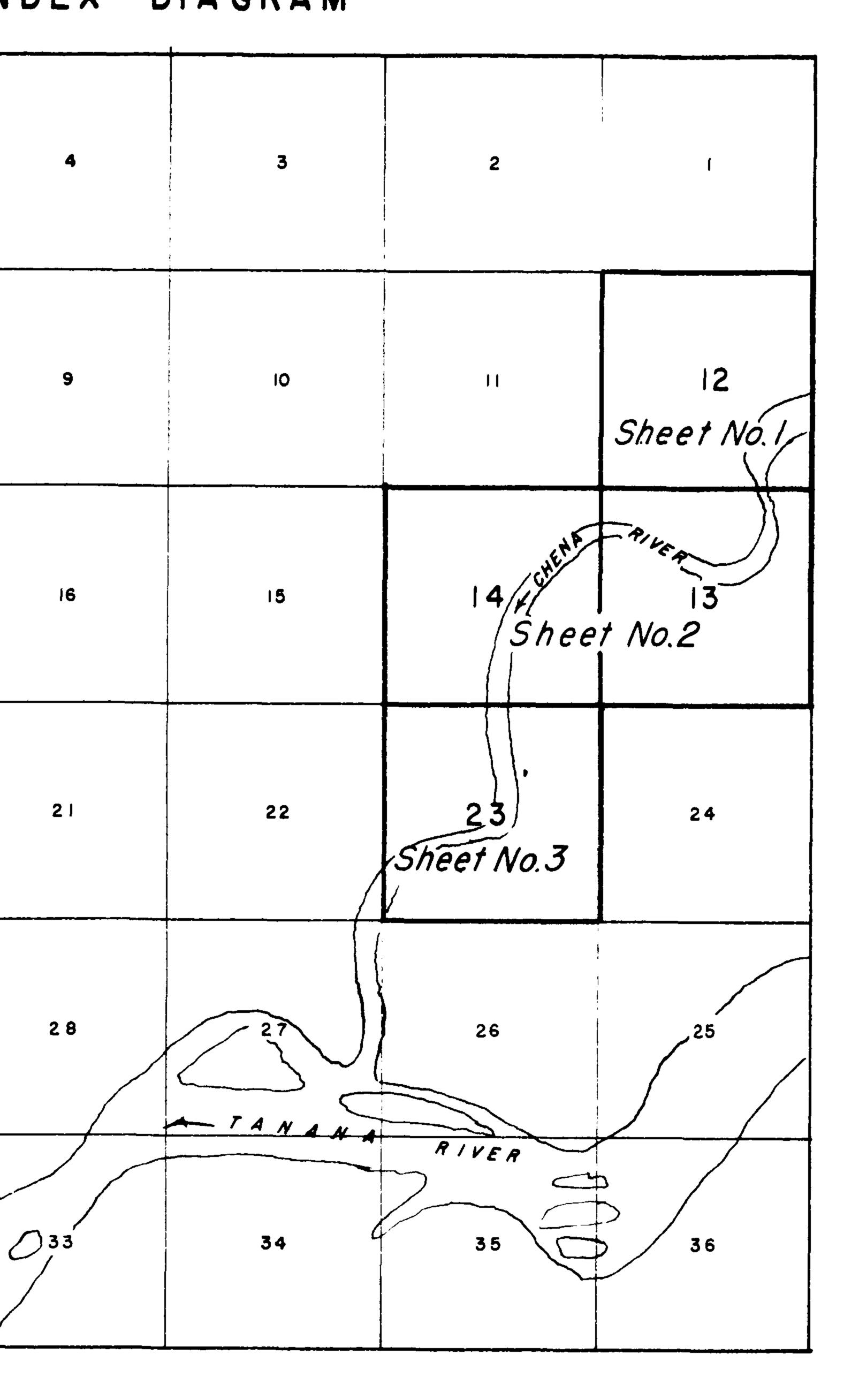
> UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Washington, D. C., May 4, 1953

This plat is strictly conformable to the approved field notes, and the survey, having been correctly executed in accordance with the requirements of law and the regulations of this Bureau, is hereby accepted.



SHEET NO. / of 3SHEETS

INDEX DIAGRAM




This plat, in 3 sheets, represents a retracement and reestablishment of portions of the east boundary and subdivisional lines designed to restore the corners in their original locations according to the best available evidence, and a partial subdivision of certain sections. The lottings and areas are as shown on the plat approved June 7, 1913 except as new areas

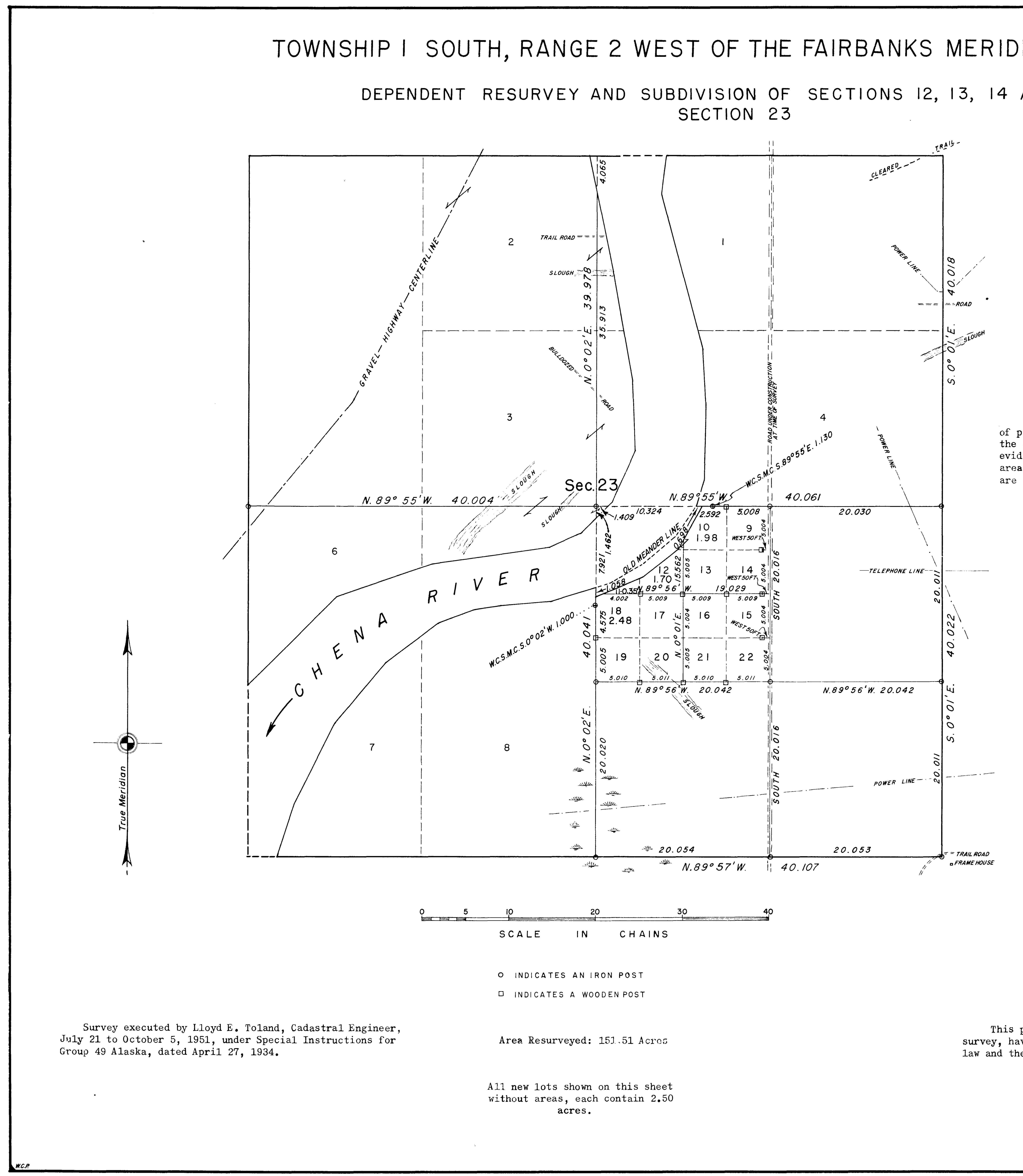
For the Administrator

Assistant Chief, Division of

Cadastral Engineering

R.E.C. 41844





# TOWNSHIP I SOUTH, RANGE 2 WEST OF THE FAIRBANKS MERIDIAN, ALASKA

# DEPENDENT RESURVEY AND SUBDIVISION OF SECTIONS 12, 13, 14 AND 23

This plat, in 3 sheets, represents a retracement and reestablishment of portions of the east boundary and subdivisional lines designed to restore the corners in their original locations according to the best available evidence, and a partial subdivision of certain sections, The lottings and areas are as shown on the plat approved June 7, 1913, except as new areas are indicated hereon.

> UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Washington, D. C., May 4, 1953

This plat is strictly conformable to the approved field notes, and the survey, having been correctly executed in accordance with the requirements of law and the regulations of this Bureau, is hereby accepted.

ORIGINAL

SHEET No. 3

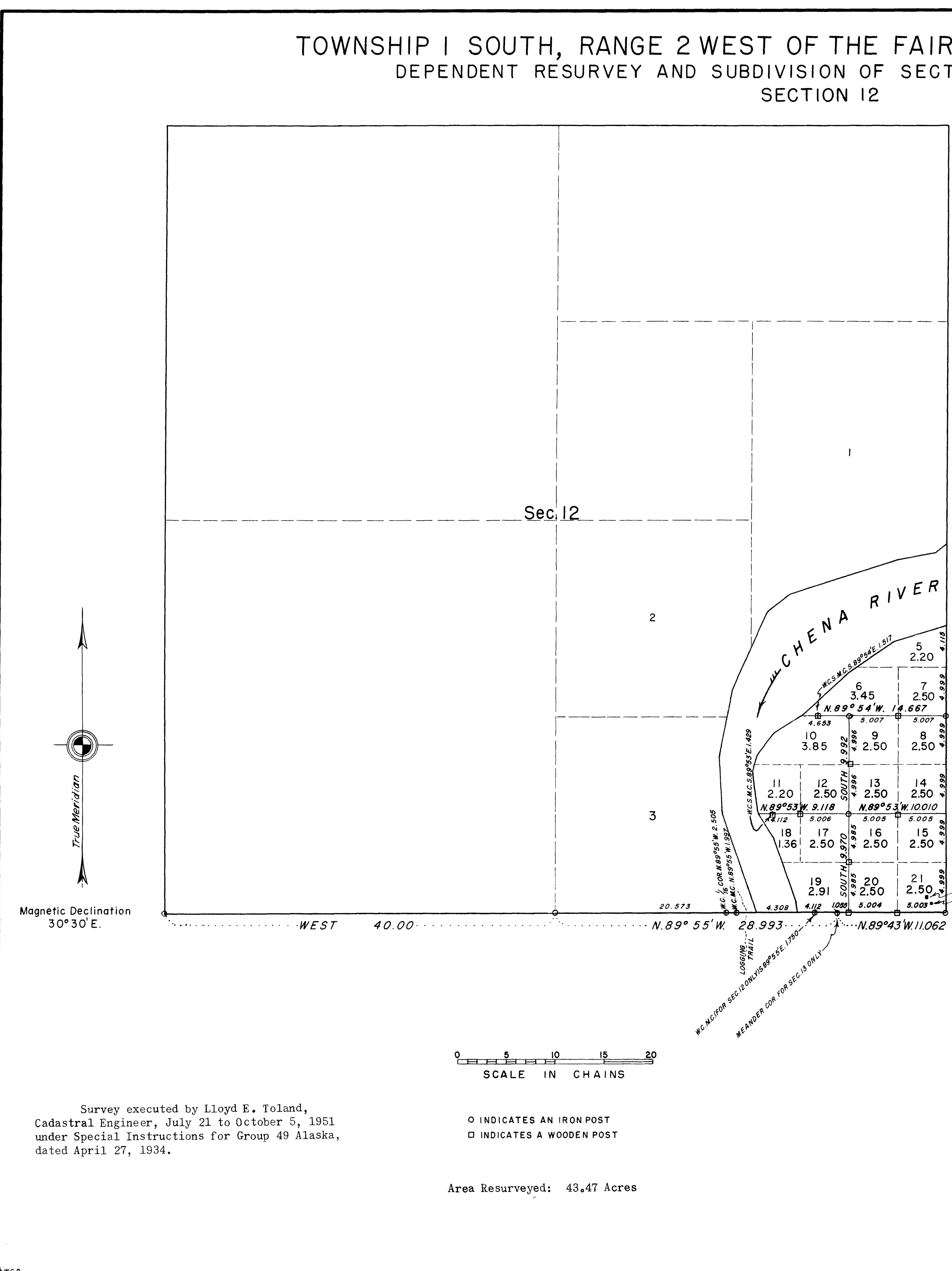
OF 3 SHEETS

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For the Administrator

Aqualo Beenent

Assistant Chief, Division of Cadastral Engineering



THE FAIRBANH ON OF SECTIONS ION 12	KS MERI 12, 13, 14	DIAN, AND 2	ALA 3
			INDEX
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	7	8	9
	18	17	16
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	30	29	2 8
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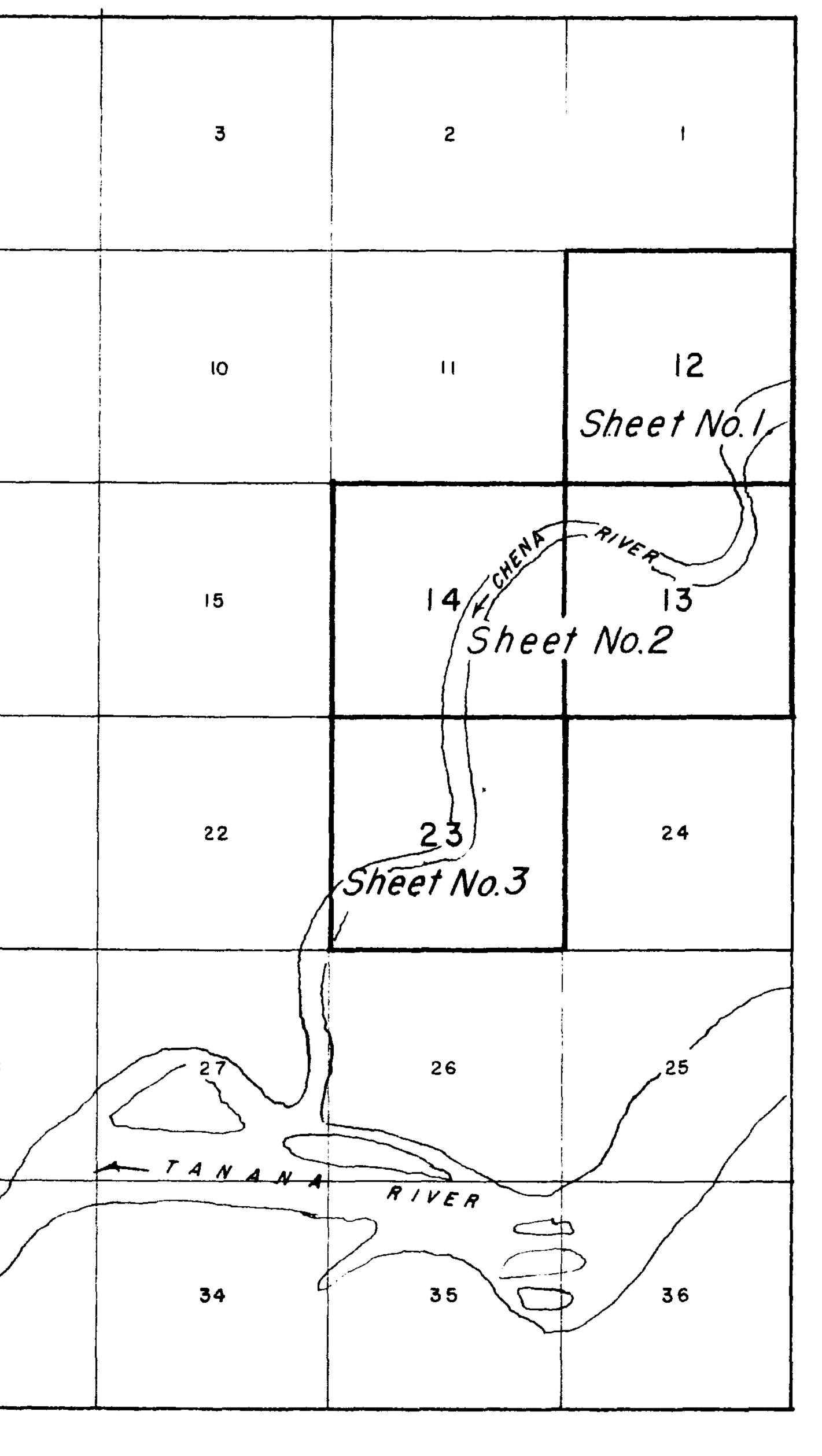
UNITED STATES DEPARTMENT OF THE INTERIOR . BUREAU OF LAND MANAGEMENT Washington, D. C., May 4, 1953

This plat is strictly conformable to the approved field notes, and the survey, having been correctly executed in accordance with the requirements of law and the regulations of this Bureau, is hereby accepted.

SKA

SHEET'NO./ of 3SHEETS

# DIAGRAM



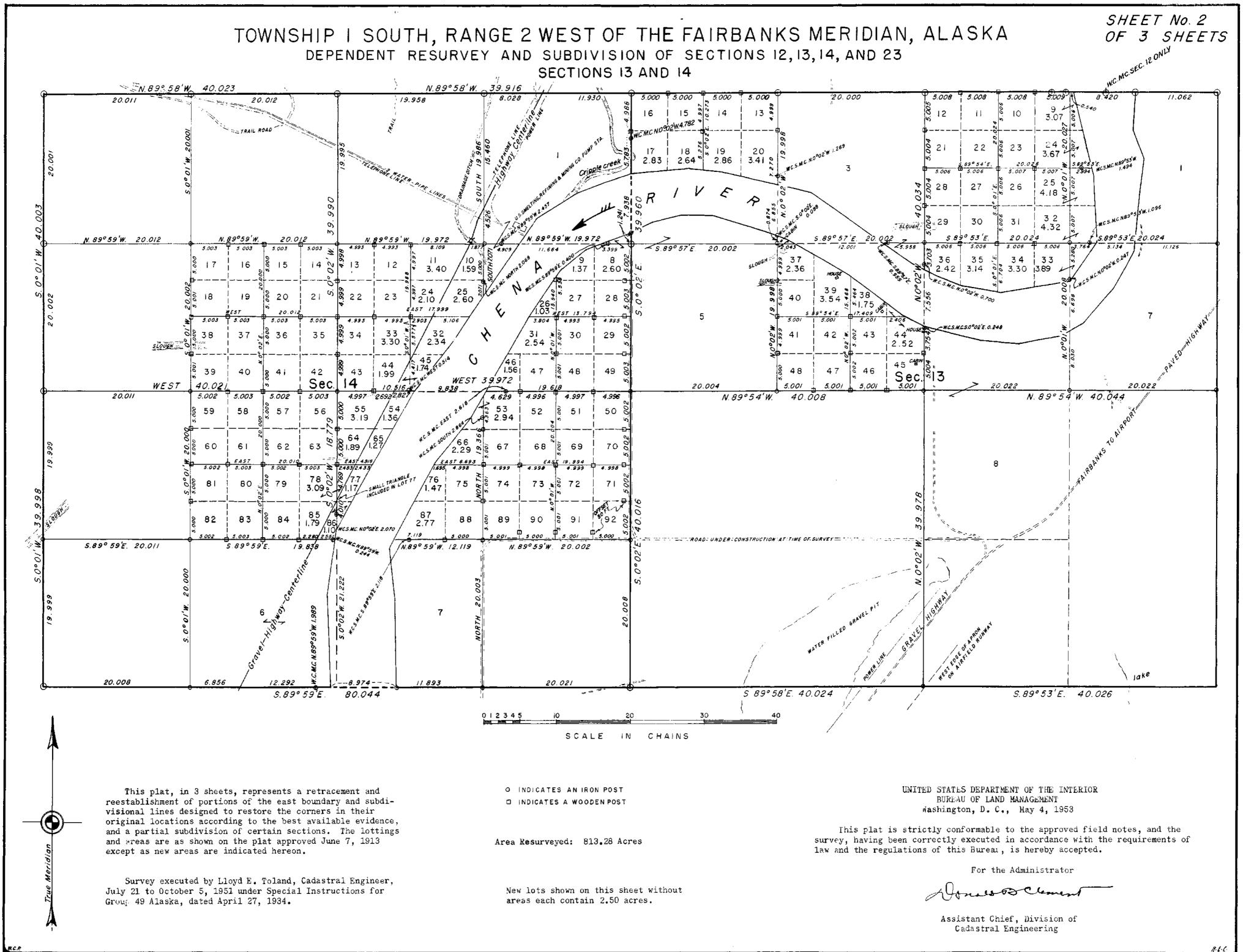
represents a retracement and reestablishment dary and subdivisional lines designed to restore 1 locations according to the best available livision of certain sections. The lottings and at approved June 7, 1913 except as new areas

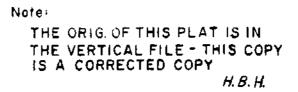
For the Administrator

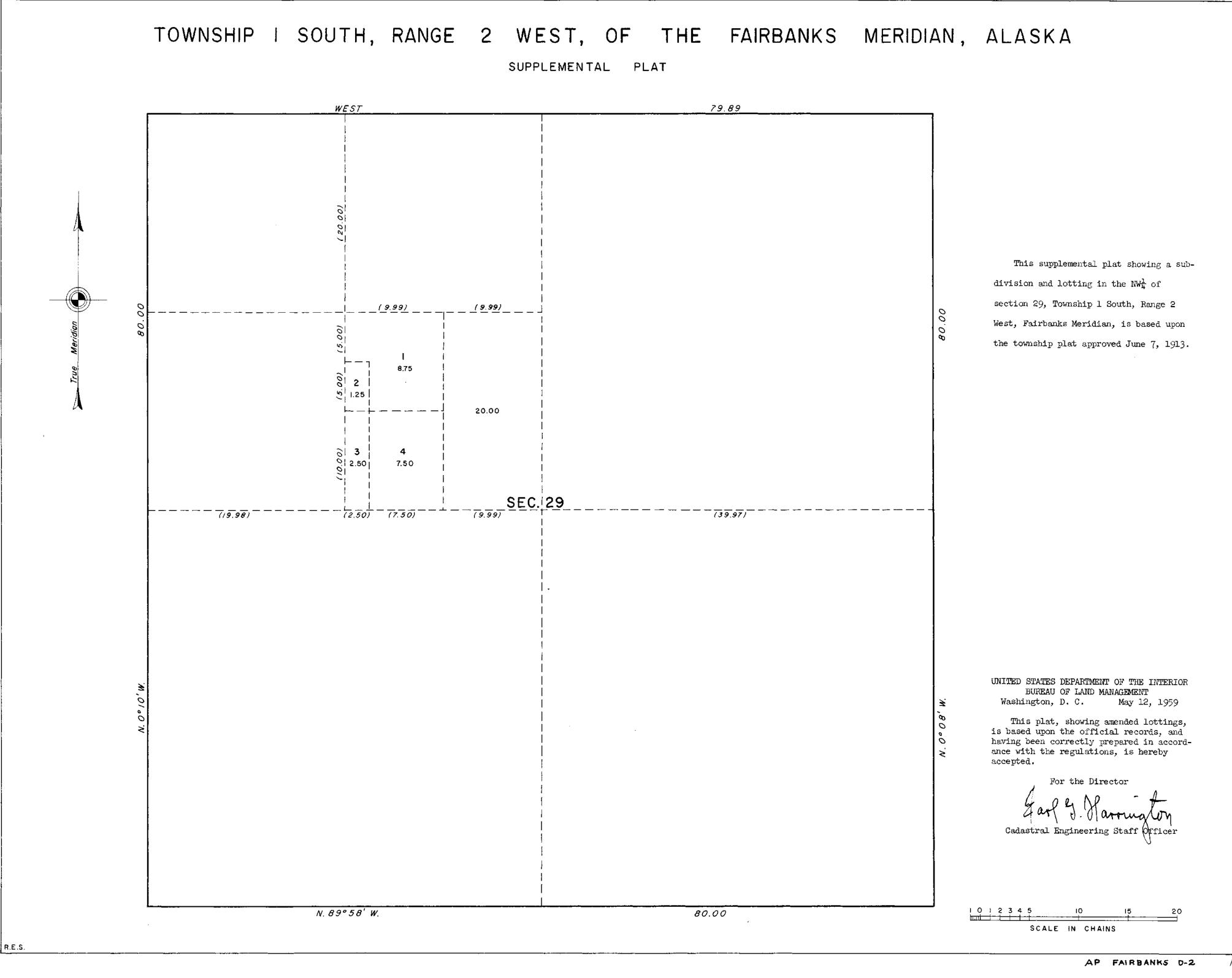
AdnalsterCliment

Assistant Chief, Division of Cadastral Engineering

> R.E.C. 41844







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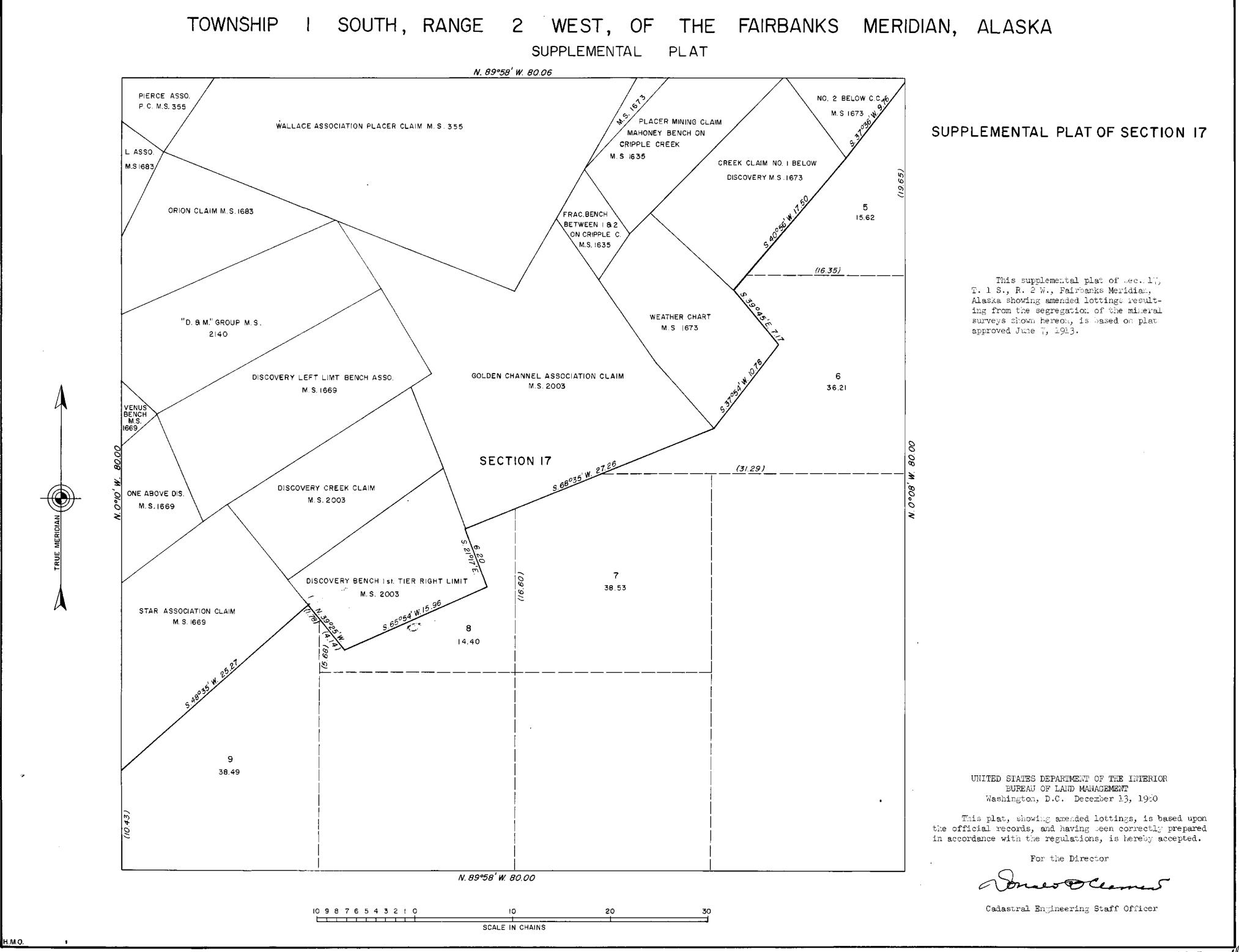
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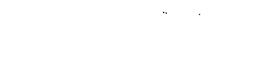
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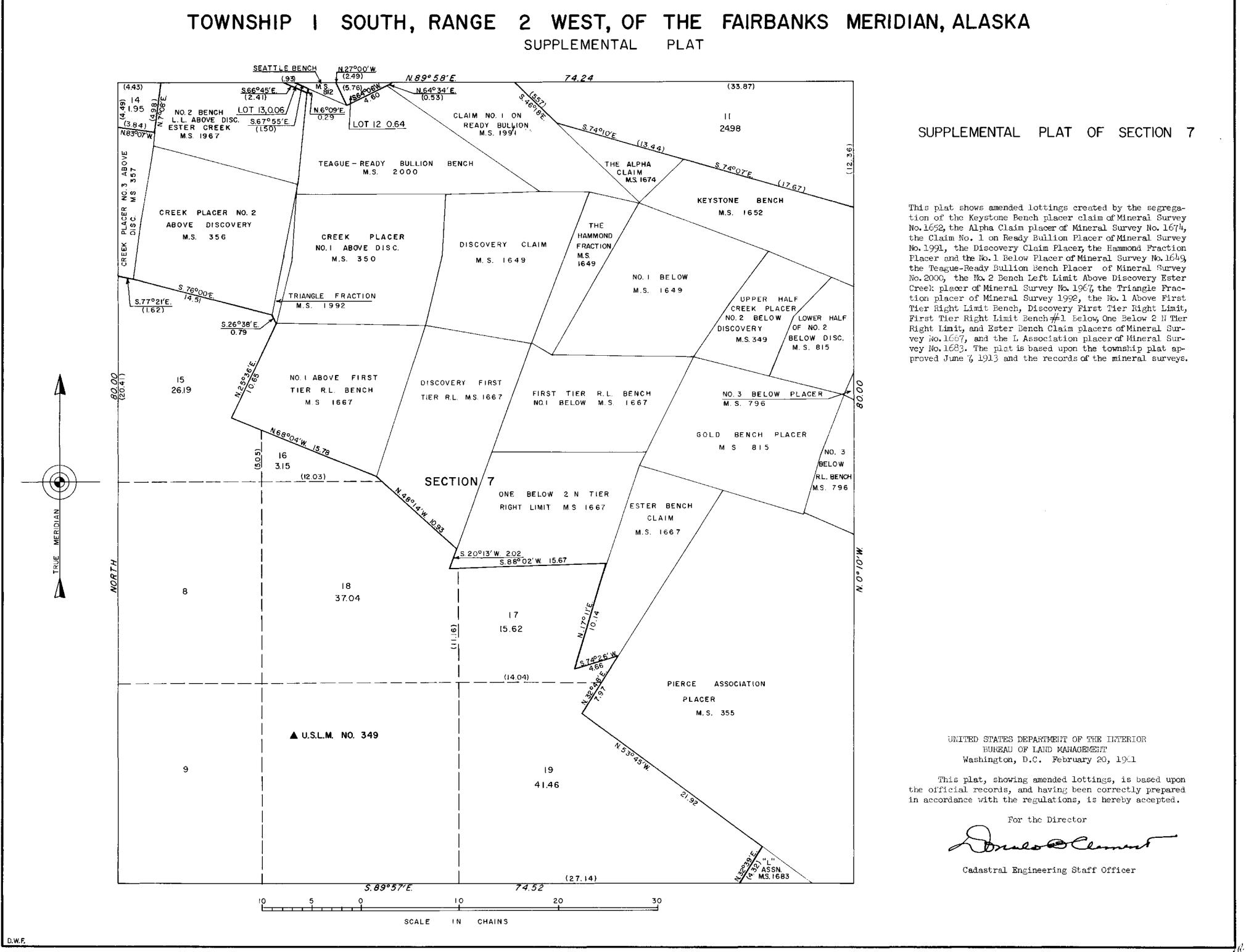


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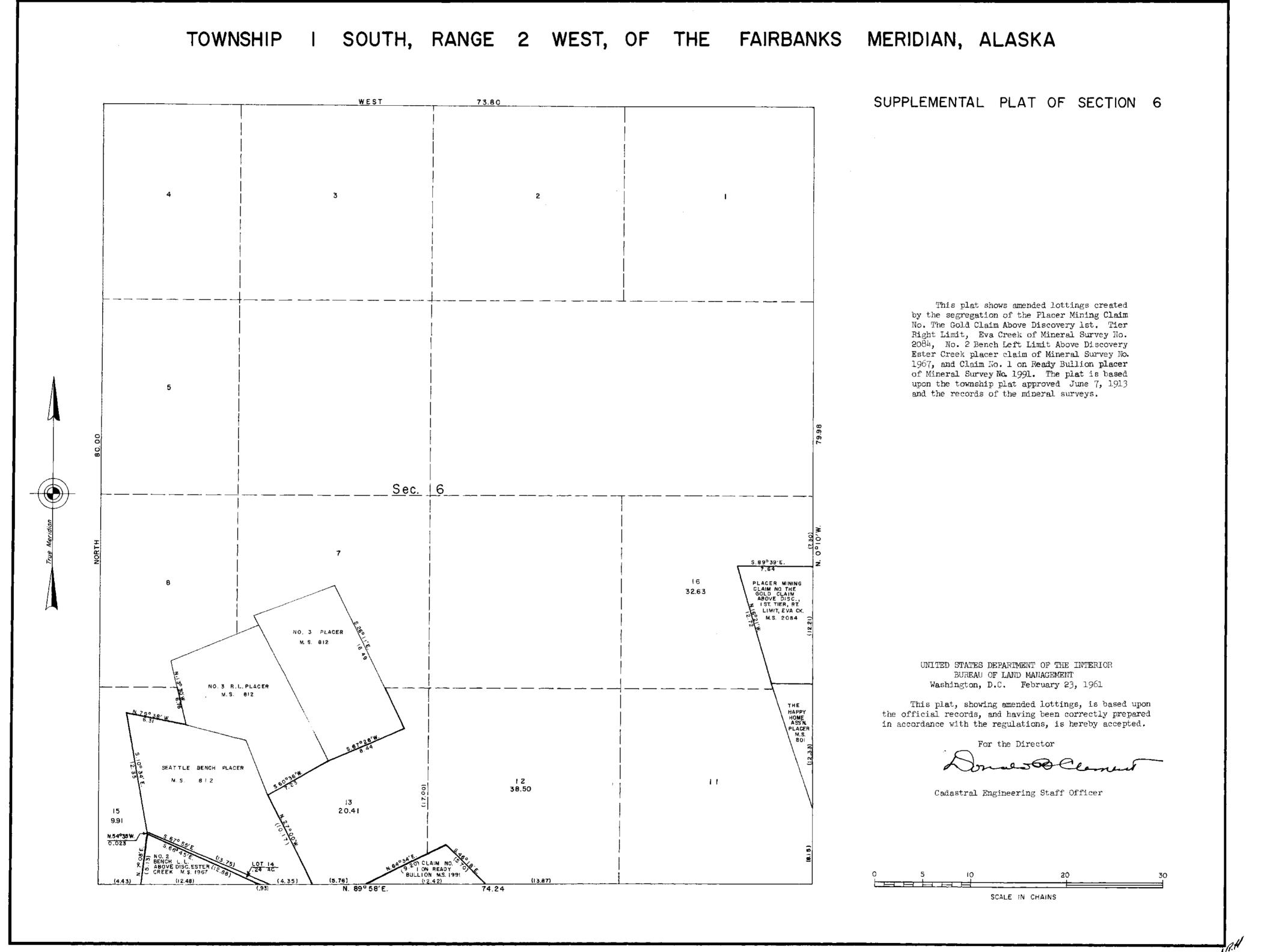
D.S. 7 FAIRBANKS (D-2,3) F10~1

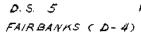


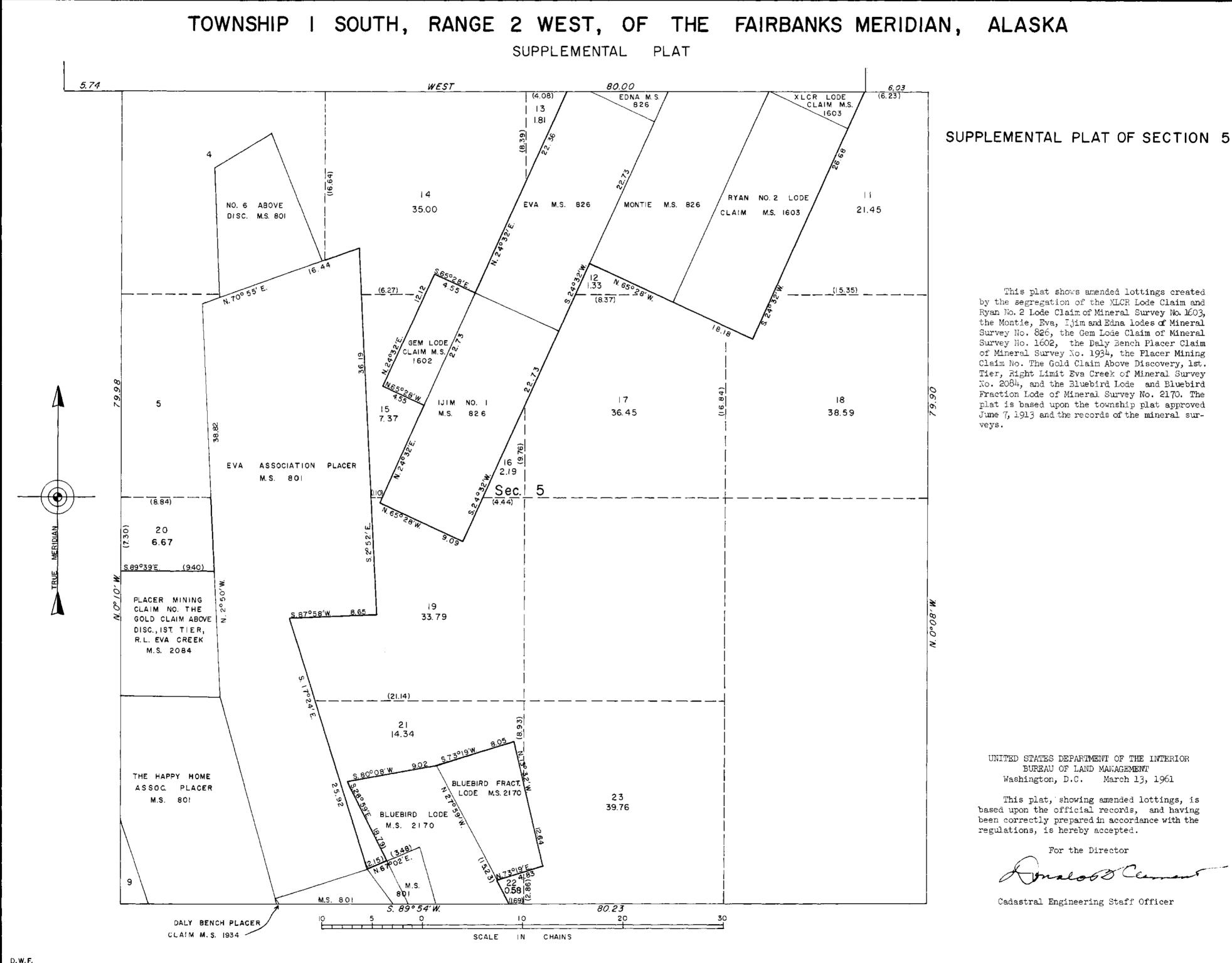


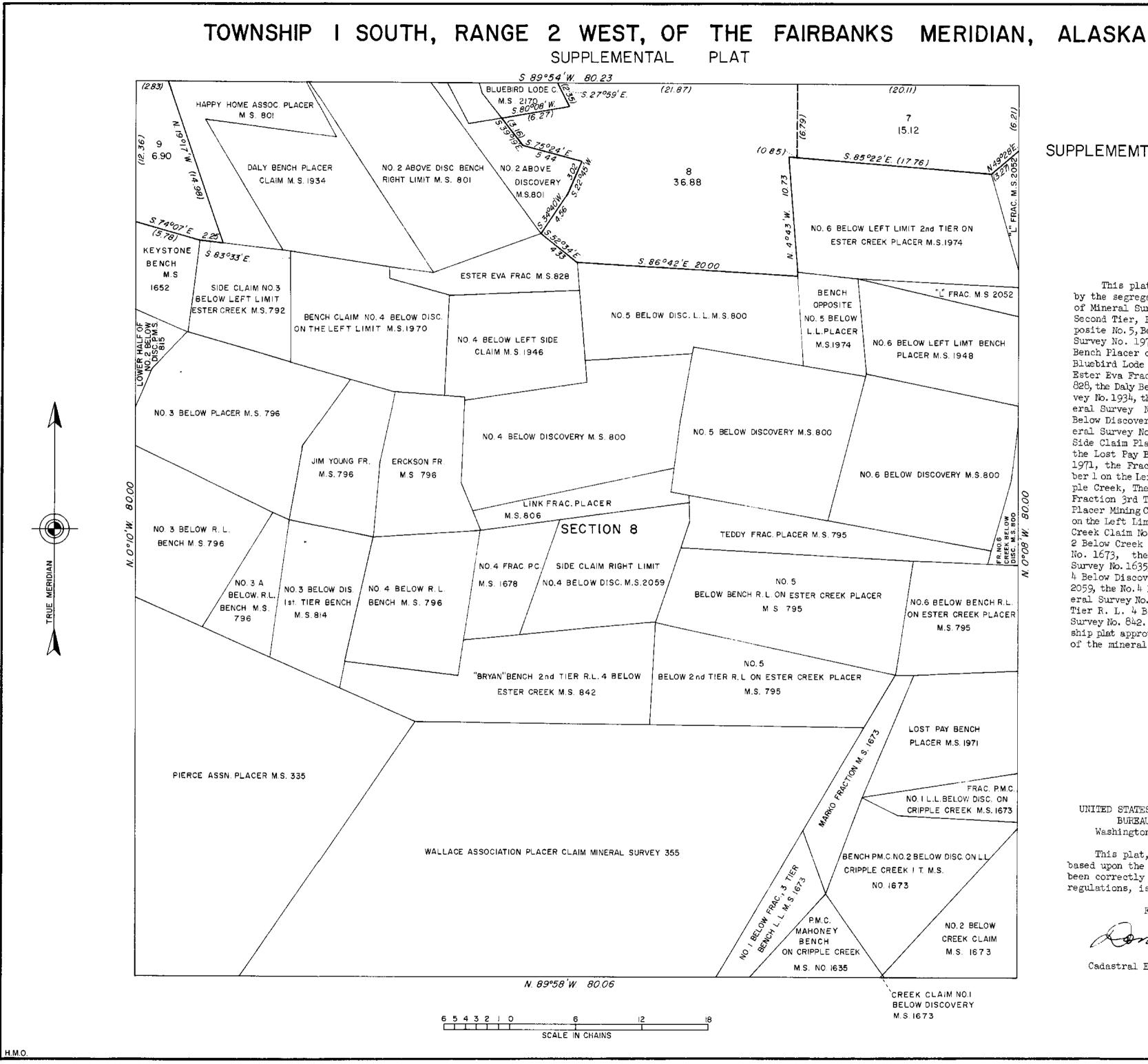
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D. S. 5 FAIRBANKS (D-3)









# SUPPLEMEMTAL PLAT OF SECTION 8

This plat shows amended lottings created by the segregation of the "L" Fraction placer of Mineral Survey No. 2052, the No. 6 Below L.L. Second Tier, Ester Creek Placer, the Bench Opposite No. 5, Below Left Limit Placer of Mineral Survey No. 1974, the No. 6 Below Left Limit Bench Placer of Mineral Survey No. 1948, the Bluebird Lode of Mineral Survey No. 2170, the Ester Eva Fraction Placer of Mineral Survey No. 828, the Daly Bench Placer Claim of Mineral Survey No. 1934, the Keystone Bench Placer of Mineral Survey No. 1652, the Bench Claim No. 4 Below Discovery on the Left Limit Placer of Mineral Survey No. 1970, the No. Four Below Left Side Claim Placer of Mineral Survey No. 1946, the Lost Pay Bench Placer of Mineral Survey No. 1971, the Fractional Placer Mining Claim Number 1 on the Left Limit Below Discovery on Cripple Creek, The Marko Fraction, the No.1 Below Fraction 3rd Tier Bench Left Limit, the Bench Placer Mining Claim Number Two Below Discovery on the Left Limit Cripple Creek 1st. Tier, the Creek Claim No. 1 Below Discovery, and the No. 2 Below Creek Claim Placers of Mineral Survey No. 1673, the Placer Mining Claim of Mineral Survey No. 1635, the Side Claim Right Limit No. 4 Below Discovery Placer of Mineral Survey No. 2059, the No.4 Below R.L. Bench Placer of Mineral Survey No. 1678, and the "Bryan" Bench 2nd Tier R. L. 4 B. Ester Creek Placer of Mineral Survey No. 842. The plat is based upon the township plat approved June 7, 1913 and the records of the mineral surveys.

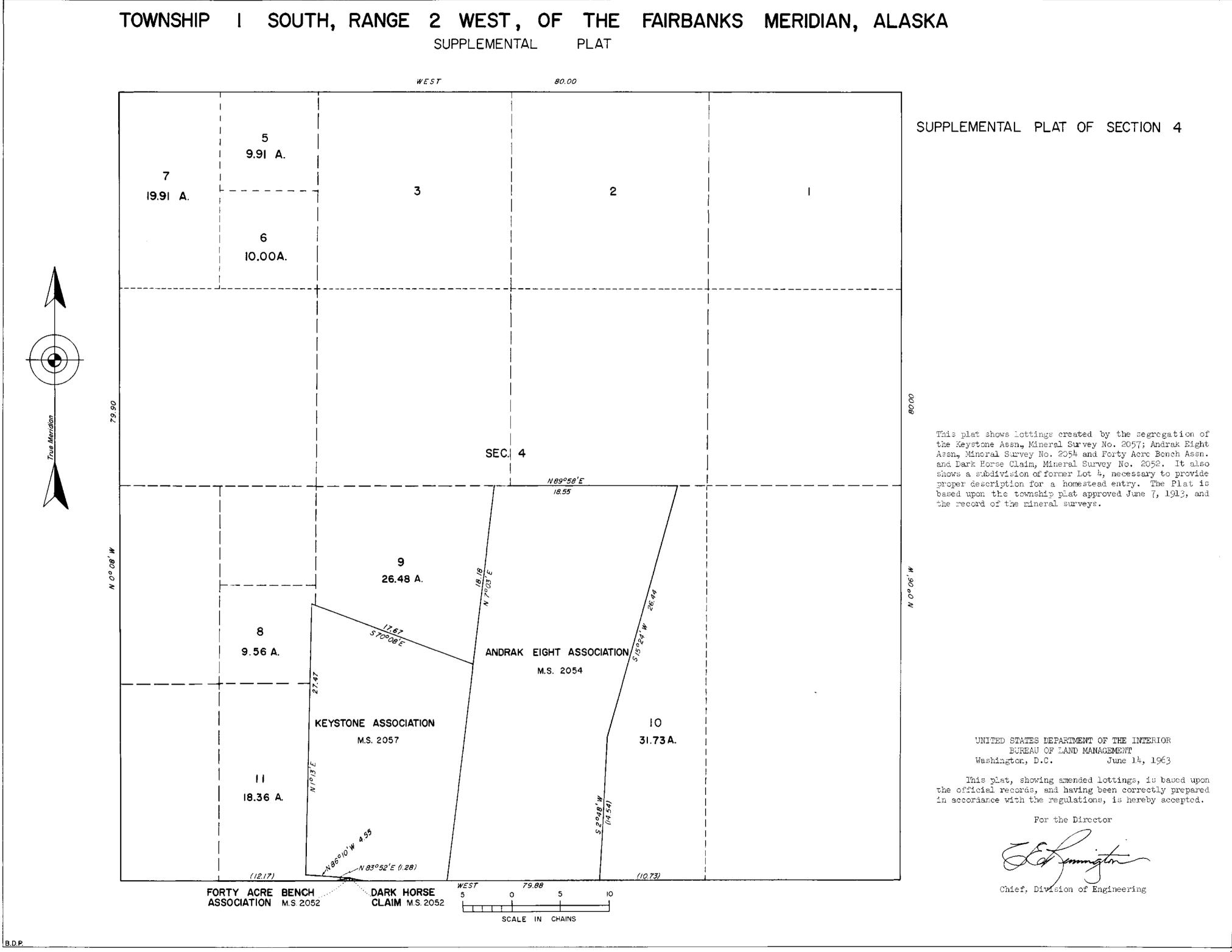
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Washington, D.C. March 13, 1961

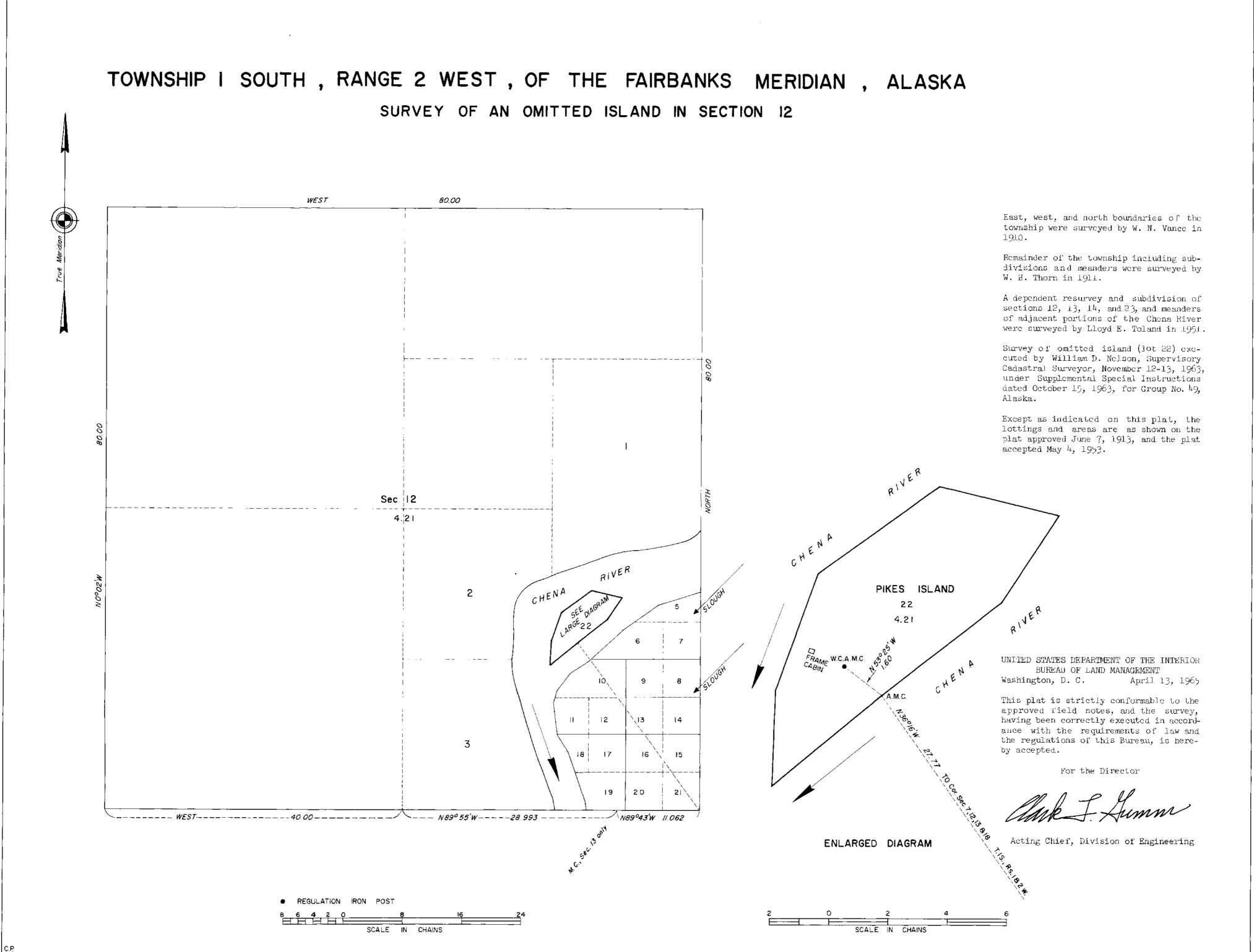
This plat, showing amended lottings, is based upon the official records, and having been correctly prepared in accordance with the regulations, is hereby accepted.

For the Director

nolog Cumen

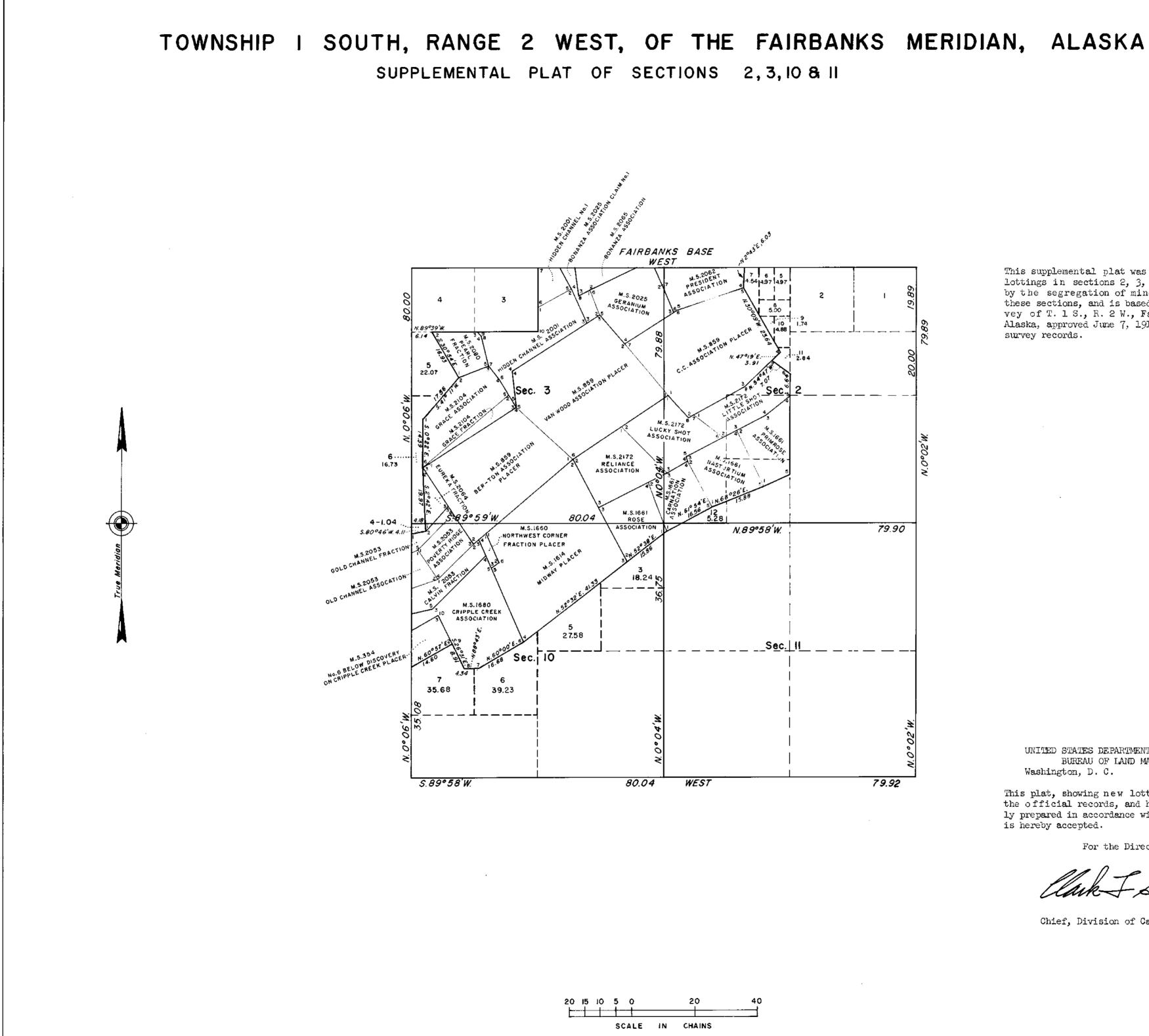
Cadastral Engineering Staff Officer





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W. M. M.

This supplemental plat was prepared to show new lottings in sections 2, 3, 10, and 11, created by the segregation of mineral surveys within these sections, and is based on the record sur-vey of T. 1 S., R. 2 W., Fairbanks Meridian, Alaska, approved June 7, 1913, and the mineral survey records.

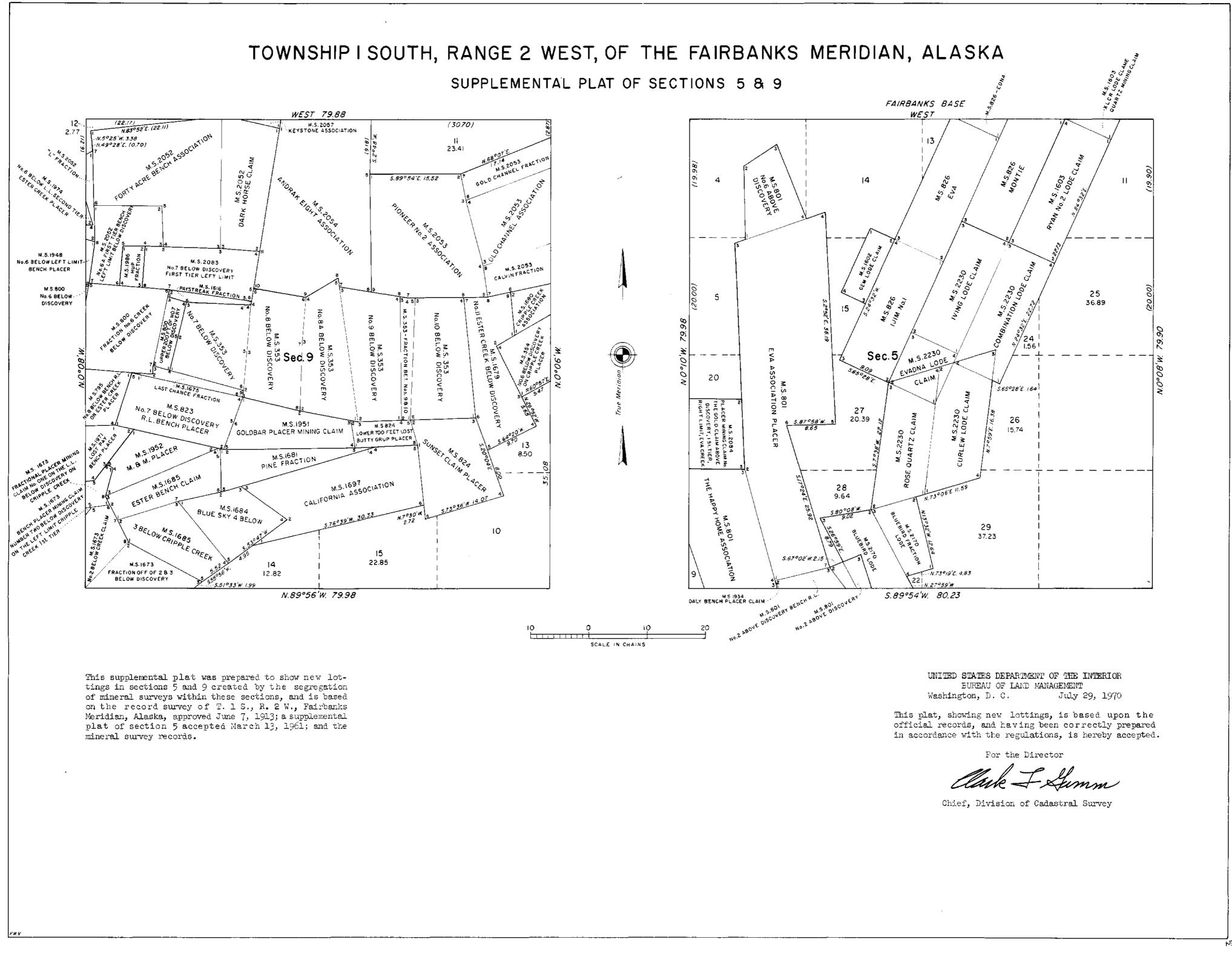
UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Washington, D. C. July 29, 1970

This plat, showing new lottings, is based upon the official records, and having been correct-ly prepared in accordance with the regulations, is hereby accepted.

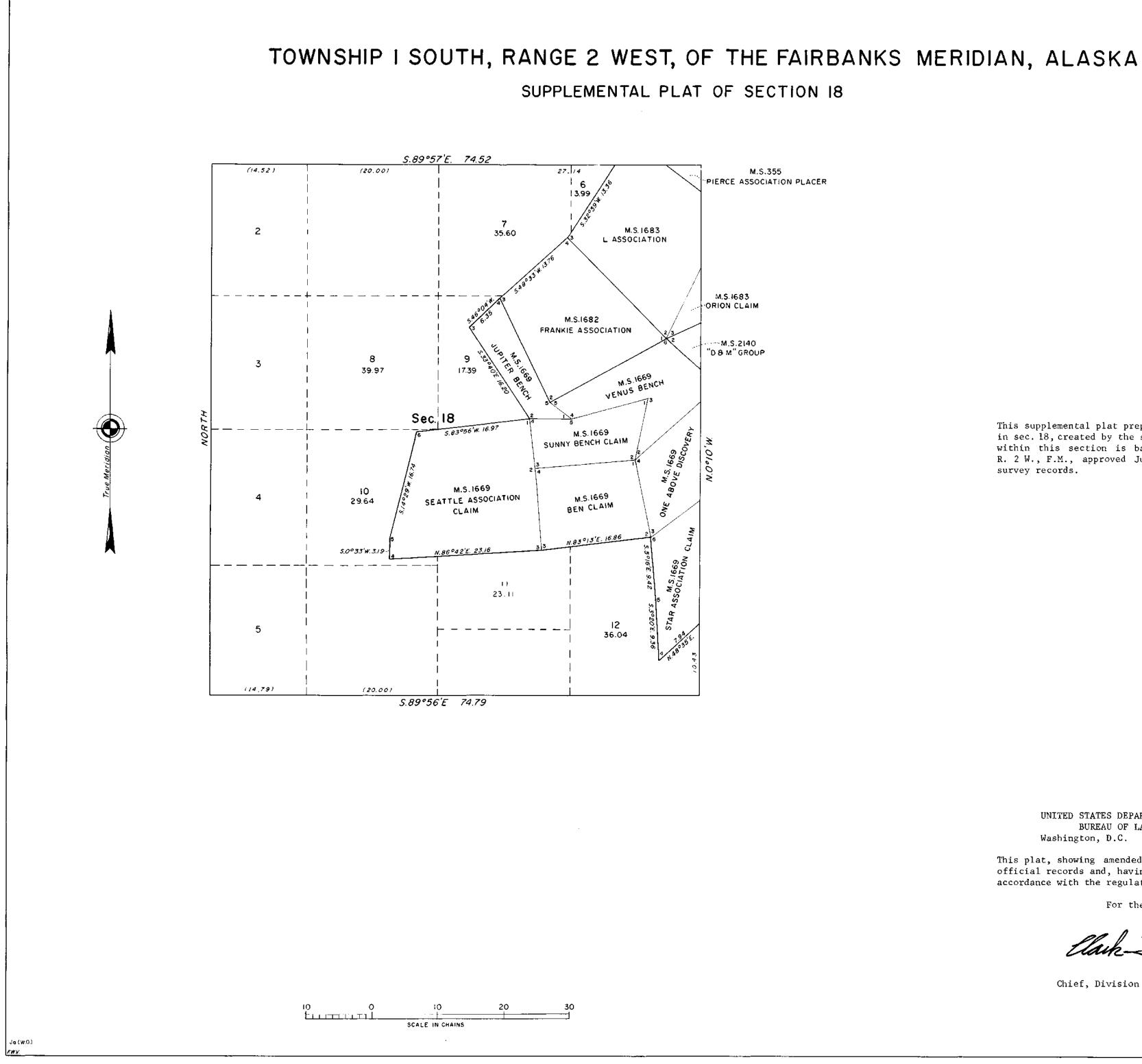
For the Director

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Chief, Division of Cadastral Survey



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M.S.355 PIERCE ASSOCIATION PLACER

This supplemental plat prepared to show amended lottings in sec. 18, created by the segregation of mineral surveys within this section is based on the survey of T. 1 S., R. 2 W., F.M., approved June 7, 1913, and the mineral survey records.

> UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT Washington, D.C. July 6, 1972

This plat, showing amended lottings, is based upon the official records and, having been correctly prepared in accordance with the regulations, is hereby accepted.

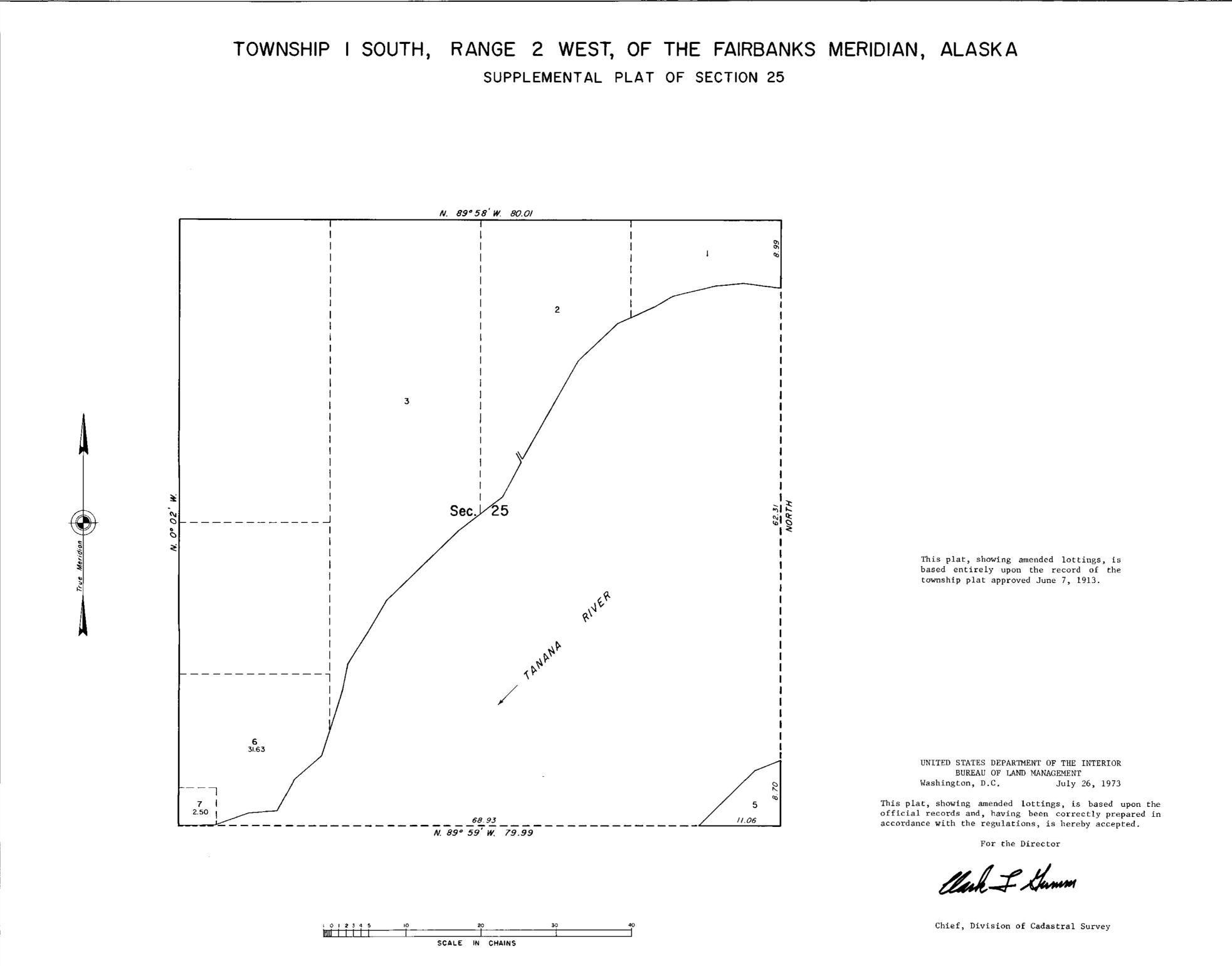
For the Director

Clark I Lumm

Chief, Division of Cadastral Survey

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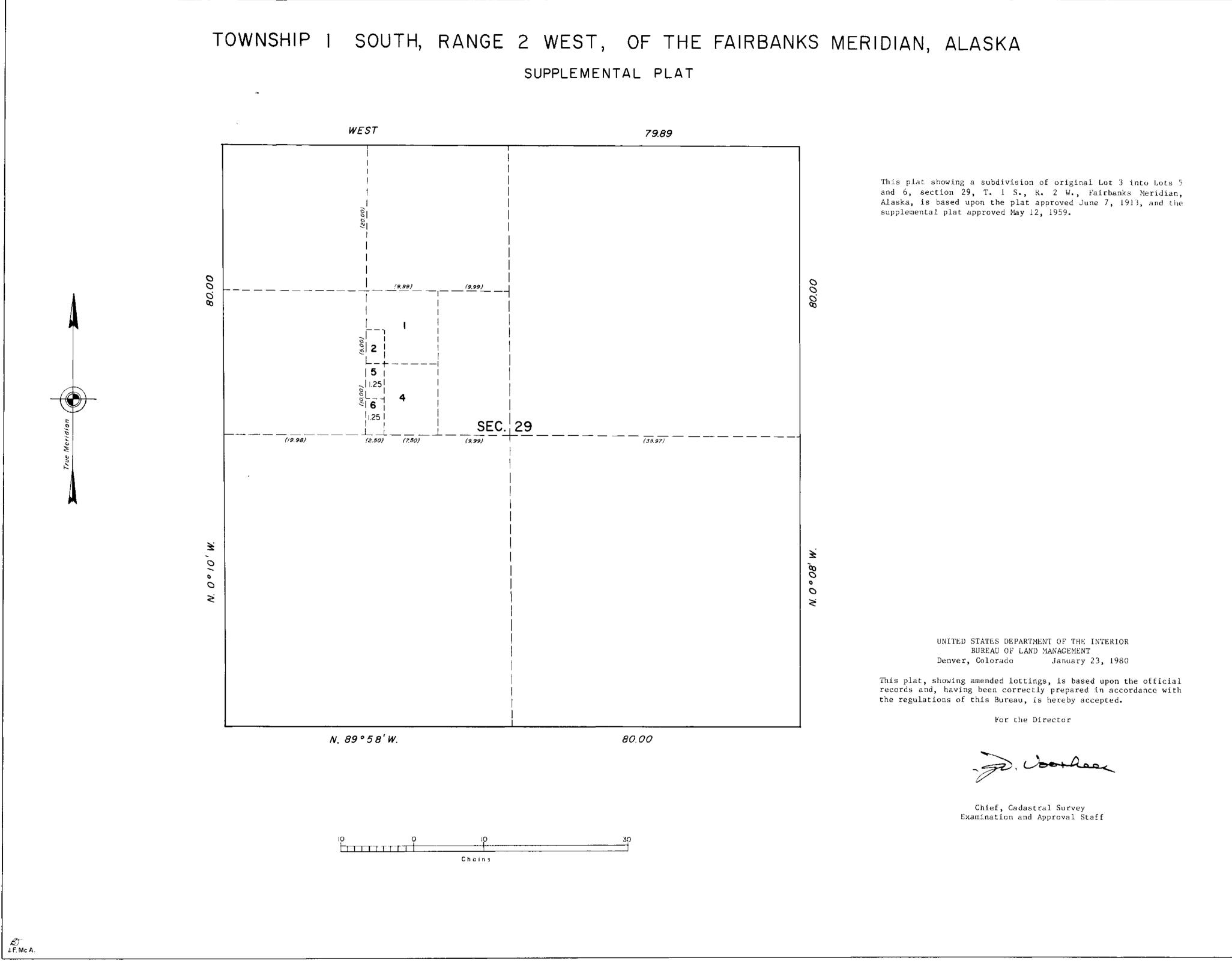
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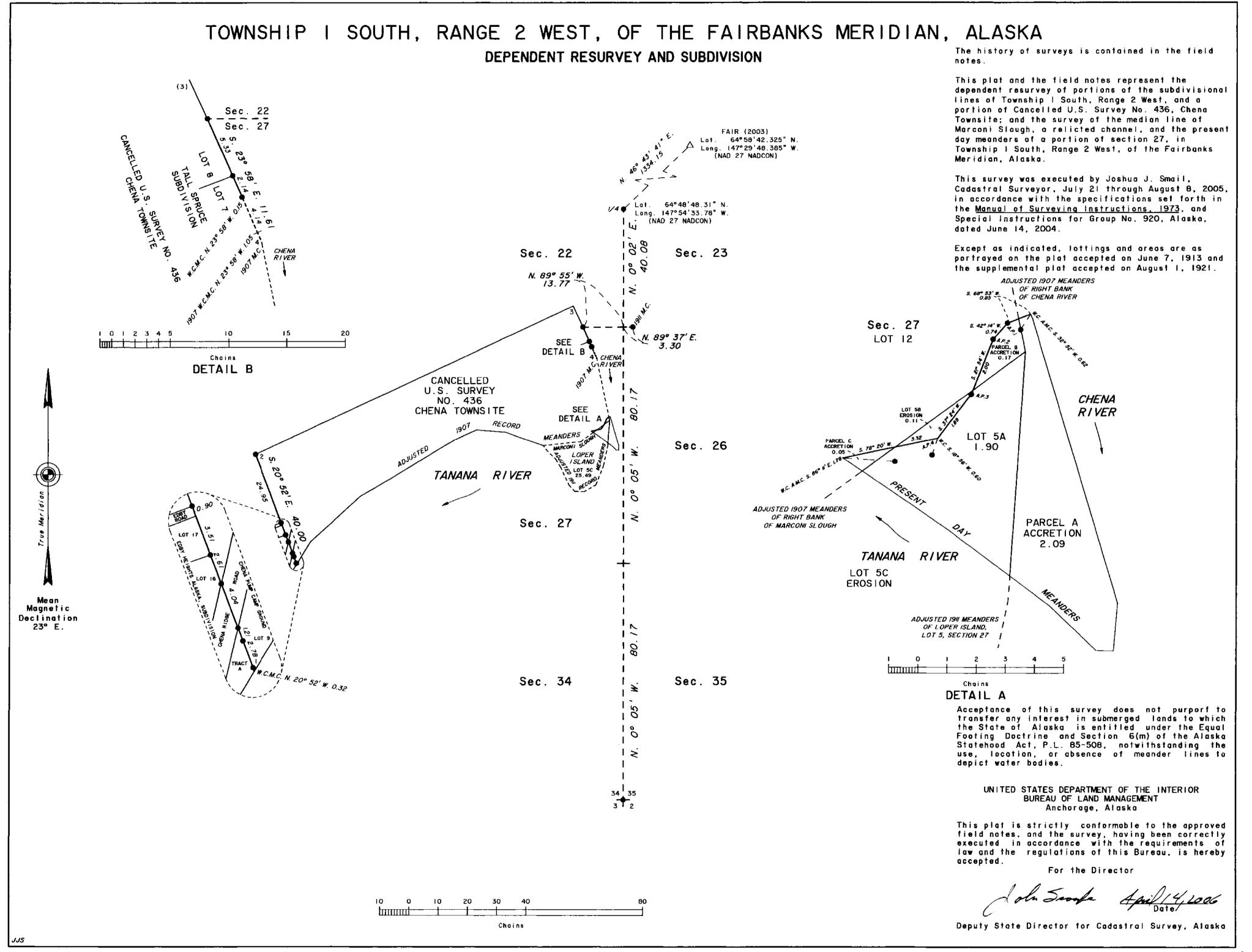


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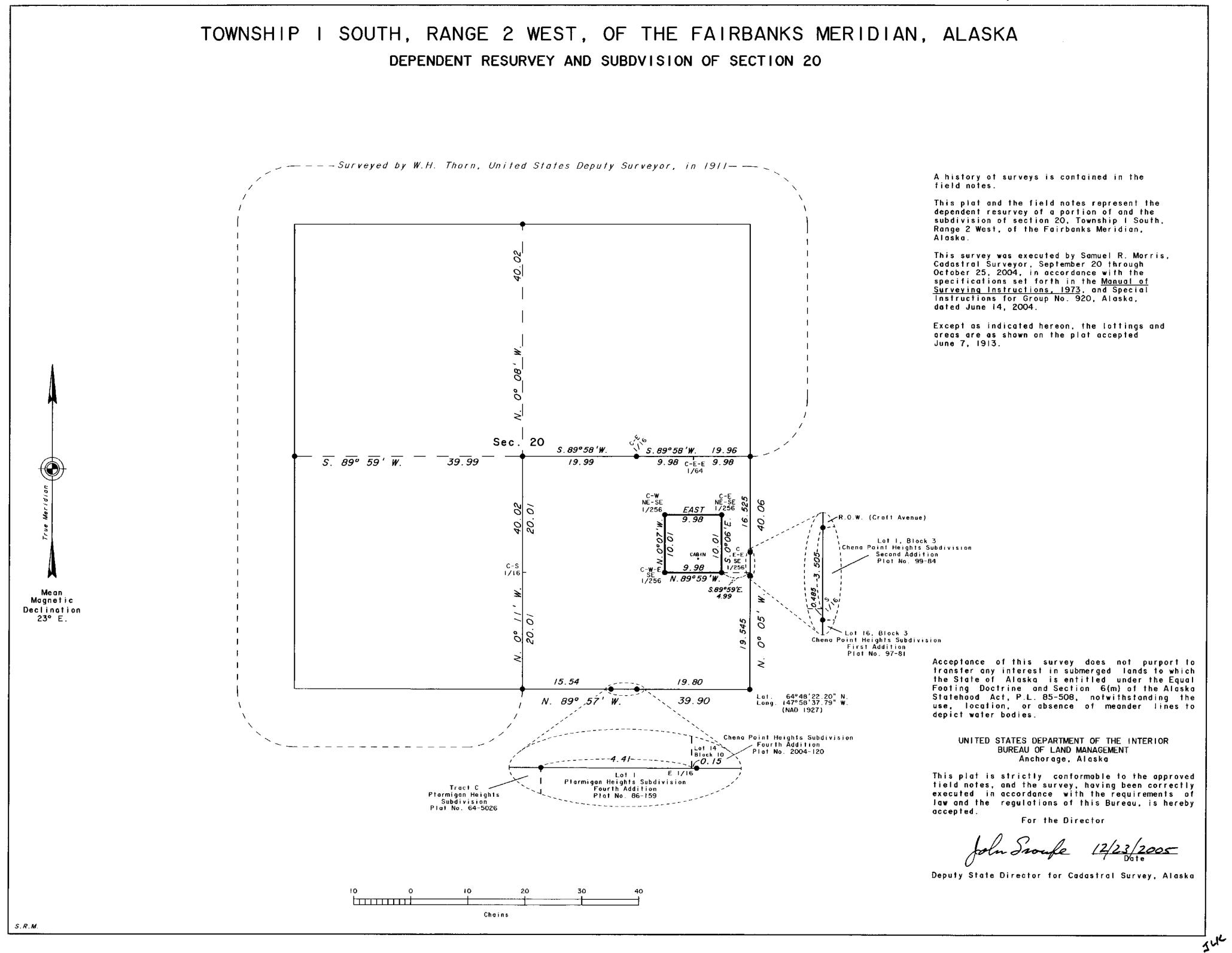
A.W.T.

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<b>_</b>	SUBDIVISION AND MEANDER LINES	
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۳ <b>۵</b> ۵	VNSHIP NO. 1 SOUTH, BANGE NO. 2 WEST	
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	TERRITORY OF ALASKA.	
	AS SURVEYED BY	
	ORN, United <b>State</b>	Deputy Surveyor,
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Survey commenced	July 24, 1911.	, <b>#90</b>
	October 14,1911.	~

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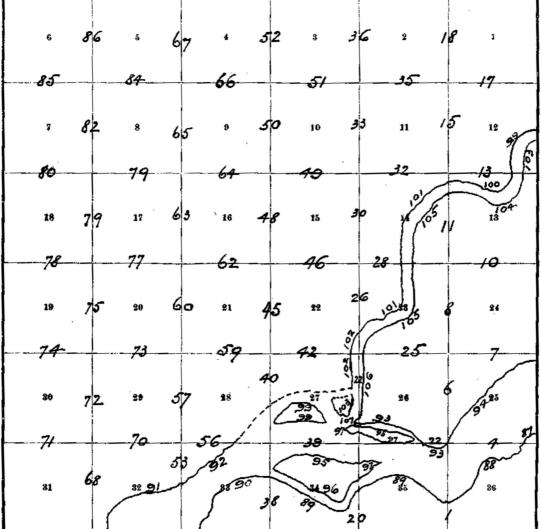
# NAMES AND DUTIES OF ASSISTANTS.

Ralph Cair	<b>1) 8</b>	Chainman	
	iB	Chainman	
Geo. Haine	.8		
Chas. Edwa	rde	Axman .	
willian St	louis	Axnan	
H. E. Gord	lon		
Thos. J. S	haw	Flagman.	•
John N. Ca	nnon	Flagnan.	
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# INDEX DIAGRAM.

Township Nol South, Range No 2 West



Meanders Page 87 to 107

6--152

Chains. Survey commenced July 24, 1911, and executed with a Young & Sons light mountain transit, No. 8498, with Smith solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The telescope is equipped with stadia wires; one foot reading on the rod is equal to two chains.

- June 21, the instrument was examined and tested on the true meridian at Fairbanks, established by the Coast and Geodetic Survey, in 1910.
- I examine the adjustments of the transit and find the line of collimation and levels in adjustment.
- July 24, at 8<sup>h</sup> 0<sup>m</sup> a.n., 1.m.t., at cor. of secs. 1, 2, 35 and 36, on the S. bdy of Tp., lat. 64° 46' 36" N., long. 147° 52' 45" W., I set off 64° 46' 36" N. on the lat. arc, and determine a meridian with the solar. The meridian thus determined agrees with the meridian 1 established at this point by observation on Polaris, the evening of July 19, 1911.

I use a 5-chain steel tape.

Thence I run by back and foresight.

N. 0º 02' W., bet. secs. 35 and 36.

Over river bottom land, marshy, with tussocks, and thru brush.

7.00 Enter thick spruce timber, few cottonwood, and birch, bears NE. and SW.

11.19 Left bank of deep narrow channel from Tanana River.

14.00 Right bank of same channel, course S. 25° W., 6 ft. high.

21.00 Leave timber, enter grassy swamp, bears E. and W.

23.00 Leave grassy swamp, enter patch of windfalls, which has been fire-killed, bears H. and W.

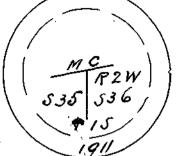
29.20 Left bank of Tanana River, 5 ft. high.

Set iron pipe, size 2, 24 ins. in the ground, for meander

а,

Subdivision of T. 1 S., R. 2 V.

Chains.



cor. of frac. secs. 35 and 36, marked as shown in this diagram; díg pit, 36 x 36 x 12 ins., 8 ft. S. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor.

To determine the dist. across channel to an island in river, I set a flag on line on S. bank of island; then measure a base, S. 89° 58' W., 4.00 chs. to a point.

. 589° 58'W. 400 and 29.20 + 6.65 is

from which flag bears N. 31º 23' S.; from the flag, the ". end of base bears 3. 31º 23' 7.; therefore, the dist, is cot. 31° 25' x base, or  $1.637 \times 4.50 = 6.55$  chs.,

35.75 S. bank of island, 3 ft. high, bears E. and F.

Thence through cottonwood, alder and willow.

Island not subject to inundation.

40,00 Foint for & sec. cor. comes on small island.

43.57 N. bank of island, 3 ft. high, bears N. 80° M. and 0.80°E. 47.57 Across shall channel to S. bank of sandy island, bears  $\mathbb{Z}$ . and  $\mathbb{V}$ .

51.00 Enter higher ground on island, few cottonwood, thick alder and willow, bears 5. 70° S. and H. 70° W.

56.99 N. bank of island, 2 ft. high, bears S. 809 W. and S. 809 3. . . fundation about 6 inc. at high water.

To determine the dist. across channel, took a stadia reading, moving rod until it read 4 ft. To test dist., . went across channel and took back-sight on stadia rod, which read 4 ft., equal to 8.00 chs., and 56.99 + 8.00 is

62.90 S. bank of island, 4 ft. high, bears N. 85° W. and D. 85° ≚.

Chains. 64.99 A point on the island in cottonwood, alder and willow. 66.93 N. bank of island, 3 ft. high, bears N. 85° W. and S. 85°

E.; Not subject to inundation.

To determine the dist. acrosm to right bank of Tanana River, I set a flag on line on right bank of river; then measure a base N. 89° 58' E., 10.00 chs., to a

Q) N 89.58 E 10.00

point from which flag bears N.  $37^{\circ}$  34' W.; from the flag, the E. end of base bears S.  $37^{\circ}$  34' E.; therefore, the dist. is cot.  $37^{\circ}$  32' x base, or 1.3016 x 10.00 = 13.02 chs., and 66.93 + 13.02 is

79.95 Edge of large timber.

80.00 This point came so close to the bank of river that it was used as a meander cor, and a sec. cor.

About 50 lks. S. of this cor. is a sloping sandy bank. Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of secs. 35 and 36; also for cor. of secs. 25, 26, 35 and 36; cap marked

T 1 S S 25 on NE.,

R 2 W S 36 on SE.,

S 35 on SW., and

S 26 on NW. quadrant, with 1 notch on S. & B. edge, M C on S. side; from which

A spruce, 5 ins. diam., bears N. 32° 30' E., 46 lks. dist., marked T 1 S R 2 W S 25 B T.

A spruce, 12 ins. diam., bears S. 80° 40' E., 62 lks. dist., marked T 1 S H 2 W 5 36 H C B T.

A spruce, 4 ins. diam., bears 3. 3° 40' W., 20 1ks.

. dist., marked T 1 S R 2 W S 35 M C B T.

A spruce, 6 ins. diam., bears N. 399 30' W., 35 1ks. dist., marked T 1 S R 2 W S 26 B T.

Land, level.

Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, birch, alder and willow; alder and willow brush thick. 3

Chains. July 24: At the cor. of secs. 25, 26, 35 and 36, I set off 19° 59' N. on the decl. arc; and at 12<sup>h</sup> 06<sup>m</sup> 16<sup>g</sup> p.m. 1.m.t., observe the sun on the meridian; the resulting lat. is 64° 475' N.

E. on a random line bet. secs. 25 and 36.

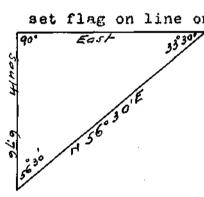
Along edge of timber and sloping sandy bank.

3.90 Set flag at this point.

To determine distance across main channel of Tanana River, I set a flag on line on E. side of sand bar; then I measure a base line S. 16.00 chs. from flag on sand bar. to a point where first flag bears H. 63º 12' W.; from first flag, the S. end of base bears S. 63º 12' E.; 360 80 East S therefore, the distance is cot. \$26° 48' x base, or 1.9796 x 31.67 chs., and 31.67 + 16.00 3.90 is

35.57 Total dist. to this point.

To determine the dist. across channel to small island, I



set flag on line on W. bank of island; then measure a base S. 6.76 chs. from which flag bears N. 56° 30' E.; from flag, the S. end of base bears S.56°30' W.; therefore, the dist. is cot. 33° 30' x base, or 1.5108 x 6.76

- = 10.21 chs., and 35.57 + 10.21 is 45.78
- Point for ± sec. cor. falls on sand bar. 40.00
- 45.78 Point on W. end of island for last triangulation.
- 68.93 Left bank of Tanana River.

Set temp. meander cor.

79.99 Intersect N. and S. line, 2 1ks. N. of cor. secs. 25, 30, 31 and 36, heretofore described.

Thence I run

N. 89° 59' W., on a true line, bet. secs. 25 and 36. Over level bottom land, through spruce, birch and cotton-

- Cnains. wood timber.
- 11.06 Left bank of Tanana River.

Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 25 and 36, marked

M C on W. side,

- T 1 S on E. side.
- R 2 W S 25 on NE., and

S 36 on SE. quadrant, with one notch on S. edge of cap; from which

A spruce, 6 ins. diam., bears N. 72° 10' E., 25 lks. dist., marked T 1 S R 2 W S 25 M C B T.

A spruce, 5 ins. diam., bears S. 85° E., 26 lks. dist., marked T 1 S R 2 W S 36 M C B T.

- 13.00 E. bank of small island, 2 ft. high, bears S. 40° W. and N. 40° E.
- 14.66 W. bank of island; large alder and willow on island; sand bar, 2 ch. wide on W. side of island; subject to inundation, 1 ft.
- 20.30 E. bank of island, 5 ft. high, bears S. S<sup>o</sup> W.; through alder, willow and few cottonwood.
- 26.90 Small channel, 1 ch. wide, bears 5%.
- 27.90 E. bank of island, 2 ft. high, bears SW. and NE.; Island has thick alder and willow.

34.21 W. bank of island.

- 40.00 Point for  $\frac{1}{2}$  sec. cor. falls on sand bar.
- 44.42 W. side of sand bar, bears S. 20° W. and N. 20° E.

76.09 Point on edge of large timber and sandy bank.

79.09 The sec. cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, first 11.00 chs. 2nd rate; remainder, sandy, 3rd rate.

Timber, spruce, birch, alder, cottonwood and willow.

July 24, 1911.

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Chains. July 26: At the cor. of sees. 25, 26, 35 and 36, at 3<sup>h</sup> O<sup>m</sup> p.m., l.m.t., I set off 64° 47' 30" N. on the lat. arc, 19° 36' N. on the decl. arc, and determine a meridian with the solar.

N. 0° 2' W., bet. secs. 25 and 26.

- Over level ground, through heavy spruce, birch and cottonwood.
- 1.40 Abandoned U.S. telegraph line, bears M. and W.
- 5.00 Timber partially fire killed.
- 24.50 Enter small brush patch, bears NE. and SW.
- 26.50 Leave birch brush, enter timber again, bears N. 20° R. and S. 20° W.
- 30.82 Left bank of deep narrow channel of Tanana River, course S. 50° W., about 1.80 chs. wide at right angles; 4 ft. high.
- 33.60 hight bank of same, 3 ft. high, bears S. 40° W. Enter heavier spruce, cottonwood and birch.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  cor. of secs. 25 and 26, marked as shown in diagram:

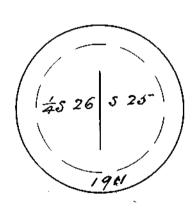
from which

A cottonwood, 12 ins. diam., bears N. 38° E., 41 lks. dist., marked \$ S 25 B T. A spruce, 9 ins. diam., bears

- N. 53° W., 68 1ks. dist., marked 🛔 S 26 B T.
- 42.32 Right bank of deep narrow channel of Tanana Hiver, 4 ft. high, course S. 40° E.
- 45.30 Left bank of deep channel, 4 ft. high, about 150 lks. wide, at right angles, bears S. 30° E.
- 67.02 Left bank of same channel, 4 ft. high, bears N. 27° W.
- 72.00 Right bank of same, 4 ft. high, about 2.00 chs. wide,

at right angles, bears N. 55° W.

Thence through scattering spruce and heavy layer of moss over ground.



-Subdivision of T. 1 S., B. 2.W.

<b>Chains.</b> 80.00	Set iron pipe, size 2, 24 ins. in the ground, for cor. of
	secs. 23, 24, 25 and 26, marked
	2 1 S S 24 on NS
	R 2 W S 25 on SE.
	<b>S 26 on S9.</b>
	S 23 on NW. guadrant, with one notch on E. and two
	notches on S. edges of cap; from which
	A spruce, 6 ins. diam., bears 5. 46° E., 21 1ks. dist.,
	marked T 1 S R 2 W 3 25 B T.
	A spruce, 5 ins. diam., bears S. 50° 30' W., 29 lks.
	dist., marked T 1 3 R 2 W S 26 B T.
	Dig pits, 18 x 18 x 12 ins., in each sec. $5\frac{1}{9}$ ft. dist.;
	and raise a mound of earth, 4 ft. base, 2 ft. high,
(	3 ft. N. of cor.
	Land, level.
	Soil, part covered with heavy layer of moss, 2nd rate;
	part sandy, 3rd rate.
	Timber, sprace, birch, cottonwood, alder and willow.
	At this cor., July 26, at 12 <sup>h</sup> 06 <sup>m</sup> p.m., l.m.t., I set off
	19° 34' N. on the decl. arc, and observe the sun on the
	meridian; the resulting lat. is 64° 48' N., which is
	the proper lat. for the cor.
	E. on a random line, bet. secs. 24 and 25.
40.00	Set temp. 1 sec. cor.
80.01	Intersect 2. bdy. of Tp., 5 1ks. N. of the cor. of secs.
	19,24, 25 and 30, already described.
	Thence I run
	N. 89° 58' W., on a trueline bet. secs. 24 and 25.
	Over level land through a grassy lake.
2.00	Leave lake, enter tussocks and birch brush, bears N. and
	S.

7.00 Leave tussocks, enter scattering spruce, bears NE. and SW. 14.70 Leave spruce, enter swamp, bears NE. and SW.

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Subdivision of T. 1 S., R. 2 W.

Chains. 15.20 Leave swamp, enter spruce, bears NE. and SW. 16.10 Leave spruce, enter swamp, bears WW. and SE. 17.40 Leave swamp, enter spruce, bears NW. and SE. 19.82 Leave spruce, enter tussocks and birch brush, bears N. and S. 24.00 Leave tussocks and birch brush, enter spruce timber. bears N. 20° E. and S. 20° W. 26.20 Leave spruce, enter swamp, bears NE. and SW. 27.50 Leave same, enter timber, spruce, few birch and scattering tamarack, bears N. 15° W. and S. 15° N. 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for 1 sec. cor.; marked 1 8 24 on N., 8 25 on S. side of cap: from which A spruce, 5 ins. diam., bears N. 65° H., 19 1ks. dist., marked 1 S 24 B T. A spruce, 6 ins. diam., bears S. 63° R., 12 lks. dist., marked 🛓 S 25 B T. 42.00 Timber thinner. 46.00 Leave scattering timber, enter swamp, bears N. 20° E. and S. 20° %. 49.82 Leave swamp, enter scattering spruce, bears N. and S. 51.50 Leave same, enter swamp, bears N. and S. 52.00 Leave swamp, enter scattering spruce, bears N. 10° W. and S. 10° E. The cor. of secs. 23, 24, 25 and 26. 80.01 Land, level. Soil, sandy, 3rd rate. Moss over large part of ground. Timber, spruce, birch and few tamarack. July 26, 1911. Aug. 2: At last cor., at 8<sup>h</sup> a.m., l.m.t., I set off 64° 48' N. on the lat. arc; and 17° 57' N. on the decl. arc, and determine a meridian with the solar.

N. 0° 2' W., bet. secs. 23 and 24.

Over level land with tussocks and through birch brush.

Chains.

2.00 Leave same, enter soattoring spruce, fire killed.

- 26.75 Leave same, enter tussocks and birch brush, bears N. 4\* E. and S. 4° W.
- 32.00 Leave same, enter timber, bears E. and W.
- 35.70 Leave timber, enter grasmy slough, bears N. 85° W. and S. 85° E.
- 37.30 Leave same, enter timber, bears E. and W.; few birch and cottonwood.
- 40.00 Set iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked S 24 on E. and  $\frac{1}{4}$  S 23 on W. side; from which
  - A spruce, 10 ins. diam., bears S. 16° 30' E., 1.00 ch. dist., marked  $\frac{1}{4}$  5 24 B T.
  - A birch, 12 ins. diam., bears N. 32" W., 70 lks. dist., marked # S 23 B T.
  - Thence through spruce, birch, cottonwood, alder and willow.
- 49.60 Enter dry slough with grass and willows, bears E. and W. 51.60 Leave slough, enter timber, bears E. and W.
- 54.10 Leave timber, enter slough, 2 ft. deep, bears N. 72° W. and S. 72° E.
- 55.50 Leave slough, enter timber, bears N. 85° W. and S. 85° E.
- 57.37 S. bank, 3 ft. high, of slough, 3 ft. deep, bears S. 40° E. and N. 40° W.
- 58.25 N. bank of same, bears S. 40° E. and N. 40° W.
- 60.60 Bank of old channel, rises 3 ft., bears S. 70° W. and N. 70° E.
- 80.00 Dry slough, bears NV. and SE., 50 lks. wide.

Set iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with cap marked

- T 1 S S 13 on NE.,
- R 2 W S 24 on SE.,
- S 23 on SW.,
- 8 14 on NW. quadrant, with 1 notch on E. and 3 notches on S. side; from which

10.		Subdivision of T. 1 S., R. 2 W.		
	Chains.	A spruce, 8 ins. diam., bears N. 66° 30' E., 61 1ks.		
		dist., marked T 1 S R 2 W S 13 B T.		
	-	A spruce, 6 ins. diam., bears S. 73° E., 58 lks. dist.,		
		marked T 1 S R 2 W S 24 B T.		
		A spruce, 10 ins. diam., bears 5. 61° 30' W., 71 lks.		
		dist., marked T 1 S R 2 W S 23 B T.		
		A spruce, 12 ins. diam., bears N. 42° W., 44 1ks. dist.,		
marked T 1 S R 2 W S 14 B T.				
Land, level.				
	Soil, sandy; 3rd rate.			
		Timber, spruce, birch, cottonwood, alder and willow.		
	-			
		E. on a random line, bet. secs. 13 and 24.		
	40.00	Set temp. 4 sec. cor.		
	79.99	Intersect E. bdy. of Tp., 7 1ks. N. of cor. of secs. 13,		
		18, 19 and 24, already described.		
		Thence 1 run		
		N. 89° 57' W., on a true line, bet. secs. 13 and 24.		
		Over level land, through scattering dead spruce,		
	17.00	Leave same, enter grassy slough, bears N. 30° E. and		
		S. 30° W.		
	18,50	Leave slough, enter dead scattering spruce, bears N.		
		30° K. and S. 30° W.		
	25.00	At this point, Aug. 2, I set off 17° 54' N. on the decl.		
		arc, and at 12 <sup>h</sup> C6 <sup>m</sup> p.m., 1.m.t., observe the sun on		
		the meridian; the resulting lat. is 64° 49' N.		
		Enter few large spruce.		
	39.99 <u>‡</u>	Set iron pipe, size 1, 24 ins. in the ground, for 1 sec.		
٠.		cor., marked ‡ S 13 on N., S 24 on S., from which		
		A spruce, 9 ins. diam., bears S. 82° W., 193 lks. dist.,		
		marked 🚽 5 24 B T.		
		A spruce, 6 ins. diam., bears N. 36° W., 171 1ks. dist.,		
		marked 🛃 S 13 B T.		
	56.80	Leave spruce, enter swampy ground with tussocks and		

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Subdivision of T. 1 S., R. 2 W.

Chaine. birch brush, bears N. 25° H. and S. 259 W.

- 57.70 Leave swamp, enter spruce timber, few birch, cottonwood, alder and willow, bears N. 30° E. and S. 30° W.
- 60.30 Leave timber, enter swamp, bears N. and S.
- 61.40 Leave swamp, onter timber, bears N. and S.; heavy moss.
- 79.99 The cor. of secs. 13, 14, 23 and 24.

Land, level.

Soil, 2nd rate, where covered with heavy moss; remainder sandy, 3rd rate.

Timber, spruce, birch, cottonwood, alder and willow.

N. 0° 2' W., bet. secs. 13 and 14.

Over level bottom land, through spruce, birch, alder, willow and few cottonwood.

- 28.50 Enter cleared patch where spruce wood has been piled up, bears E. and W.
- 32.80 Foot trail, bears N. 70° E. and S. 70° W.; re-enter heavy timber.
- 35.60 Leave timber, enter dry slough, bears N. 25° E. and S. 25° W.
- 36.40 Leave dry slough, enter timber, bears N. 25° E. and S. 25° W.
- 38.75 Leave timber, onter grassy slough, bears N. 53° E. and S. 539 W.
- 39.50 Leave slough, enter timber, bears N. 50° E. and S. 50° W.
  40.00 Point for 1 sec. cor. comes in old wood road, which bears N. 15° E. and S. 15° W.

Set iron pipe, size 1, 24 ins. in ground for  $\frac{1}{4}$  sec. cor., marked E 13 on E. and  $\frac{1}{4}$  E 14 on W. sides; from which A cottonwood, 14 ins. dimm., bears N. 58° E., 41 lks.

dist., marked  $\frac{1}{4}$  S 13 B T.

A spruce, 6 ins. diam., bears N. 172° W., 391ks. dist., marked \$ 5 14 3 T.

41.50 Leave timber, enter grassy swamp, bears N. 10° E. and

S. 10° W.

Chains. 43.30 Leave swamp, enter dense alder and willow, bears N. 20° E. and S. 20° ¥. 50.00 Few cottonwood and spruce, scattering among willow and alder. 61.24 Left bank of Chena River, 5 ft. high. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of fracl. secs. 13 and 14, with cap marked E C on N. side, T 1 S on S. tide, R 2 W S 13 on SE., and S 14 on SW. quadrants, with one notch on E. side; from which A cottonwood, 10 ins. diam., bears S. 1º 30' E., 138 1ks. dist., marked T 1 S N 2 W S 13 K C B T. An alder, 4 ins. diam., bears S. 31° W., 82 lks. dist., marked T 1 S R 2 W S 14 M C B T. To determine the dist. across Chena River, I take a stadia reading across to opposite bank; the mean of two readings is 4 ft. on the rod, which makes a dist of 8.00 chs. Measure 4 1ks. south for point for meander cor., and 61.24 + 8.00 - .04 is 69.20 Right bank of Chena River. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 13 and 14, marked M C on S. side. T 1 S on N. side, R 2 W 8 14 on NW., and S 13 on ME. quadrant, with one notch on E. edge of cap; dig a pit, 36 x 36 x 12 ins., 8 ft. dist. N. of con; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. cor. and pit; from cor. A spruce, 4 ins. diam., bears N. 10° E., 41 lks. dist.,

marked T 1 S R 2 W S 13 M C B T.

A spruce, 6 ins. diam., bears N. 82° 30' W., 21 1ks.

Chains. dist., marked T 1 S R 2 W B 14 K C B T.

Through scattering timber, mostly dead.

70.82 Left bank of Cripple Creek, 20 ft. high, 50 lks. wide, course S. 56° W.

71.32 Right bank of Cripple Creek.

- 72.00 Right bank of same, 20 ft. high, course S. 22° E.
- 72.40 Left bank of same; has very muddy water from mining district, water shout 5 ft. deep and 6 ft. wide.
- 73.65 Leave scattering spruce; thence over very large tussocks and heavy layer of moss, bears NE. and SW.
- 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 11, 12, 13 and 14; with cap marked
  - T 1 S S 12 on NH.
  - R 2 W S 13 on SH.,
  - S 14 on SW., and
  - S 11 on NW. quadrant, with one notch on E. edge and 4 notches on S. edge; dig pits, 18 x 18 x 12 ins., in each sec. 5<sup>1</sup>/<sub>2</sub> ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level; bottom land.

Soil, sandy; 3rd rate.

Timber, spruce, birch, cottonwood, alder and willow.

August 2, 1911.

- August 18: At last cor., I set off 13° 16' N. on the decl. arc; and at 12<sup>h</sup> 03<sup>m</sup> p.m., 1.m.t., observe the sun on the meridian; the resulting lat. is 64° 50' N., Thence I run E., on a random line, bet. secs. 12 and 13.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 60.57 Right bank of Chena River.

Set temp. meander cor.

To determine the dist. across to left bank, I took stadia reading across to point on sand bar next to bank. The mean of rod readings gave 4 ft., which is equal to 8.00 chs. Then I chained from this point to main bank, 41 134 \$

14 Subdivision of T. 1 S., R. 2 W. Chains. 1ks. dist., or dist. across is 8.41 chs. 68.98 Left bank of Chena River. Set temp. meander cor. 80.04 Intersect E. bdy. of Tp., 2 1ks. N. of cor. of secs. 7. 12, 13 and 14, established in 1910. Thence I run N. 89° 59' W., on a true line, bet. secs. 12 and 13. Through spruce, birch and cottonwood; heavy layer of moss on ground. 10.00 Timber, scattering alder and willow very thick. 11.06 Left bank of Chena River, 4 ft. high. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 12 and 13; cap marked M C on W. side. 7 1 S on E., R 2 W S 12 on NE., and S 13 on SE. quadrant, with 4 notches on S. edge; dig pit, 36 x 36 x 12 ins., 8 ft. 2. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. pit and cor. 19.47 Right bank of Chenn River, 8 ft. high. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 12 and 13; cap marked M C on E., T 1 S on W.. R 2 W S 13 on SW. quadrant, and S 12 on NW. quadrant, and 4 notches on S. edge; dig pit, 36 x 36 x 12 ins., 8 ft. W. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high., bet. pit and cor.; from cor. A spruce, 12 ins. dism., bears S. 75° W., 76 lks. dist., marked T 1 S R 2 W S 13 M C B T. A spruce, 8 ins. diam., bears N. 69º 45' W., 86 lks. dist., marked T 1 S R 2 W S 12 H C B T.

Thence through scattering spruce and cottonwood, alder

Chains. and willow.

- 32.00 Enter heavy timber, spruce, birch, cottonwood, and few tamarack, bears N. 50° E. and S. 50° W.
- 40.02 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S 12 on N. and S 13 on S.; from which
  - A spruce, 3 ins. diam., bears N. 14° E., 23 lks. dist., marked  $\frac{1}{2}$  5 12 B T.
  - A spruce, 8 ins. diam., bears 5. 22½° W., 10 lks. dist., marked 2 5 13 B T.
- 44.66 Leave timber, enter bank of grassy slough, bears N. 55° E. and S. 55° W.
- 45.56 Leave slough, enter heavy timber, bears N. 55° E. and S. 55° W.
- 56.00 Enter scattering timber with tussocks and heavy layer of moss.
- 60.33 Fairbanks-Chenn telephone line, bears N. 65° E. and S. 65° F.
- 65.00 Leave scattering timber, enter swampy ground, bears N. 40° E., and S. 40° W.

66.00 Leave same, enter timber, bears 3. 40° %. and S. 40° W.

80.04 The cor. of secs. 11, 12, 13 and 14.

Land, level.

Soil, sandy; 3rd rate.

Timber, spruce, birch, cottonwood, alder, willow and few tamarack. August 18, 1911.

At last cor., August 21, at 8<sup>h</sup> 0<sup>m</sup> a.m., 1.m.t., I set off 64° 50' N. on the lat. arc; and 12° 22' N. on the decl. arc, and determine a meridian with the solar. N. 0° 2' W., bet. secs. 11 and 12.

Over level ground, through scattering spruce and tussocks. 6.00 Leave tussocks, enter solid ground which has had timber burned off, bears E. and W. 16

Subdivision of T. 1 S., R. 2 W.

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Chains. 20.10	U.S. telegraph line, bears S. 29° W. and N. 29° J.				
22.05	Tanana Valley R.R., bears S. 27° 30' W. and N. 27° 30' E.				
22,80	R.R. telephone line, bears 5. 27° W. and N. 27° K.				
32.20	· · ·				
38.30	Left bank of Cripple Creek, 100 ch. wide.				
39.80	·				
	spruce and birch on banks.				
40.00					
	cor.; marked 5 12 on E. side and $\frac{1}{2}$ 5 11 on W. side; from				
	which				
	A spruce, 8 ins. diam., bears S. 37° 30' S., 25 lks.				
	dist., marked $\frac{1}{2}$ B 12 B T.				
	A birch, 5 ins. diam., bears N. 69° W., 65 1ks. dist.,				
	marked ‡ 8 11 B T.				
47.00	Enter fire-killed spruce, willow and few birch, and tus-				
	socks, bears E. and W.				
<b>5</b> 0.00	Begin gentle ascent of S. clope.				
52 <b>.27</b>	Fence bears N. 72° T. and S. 72° E.; enter Jones and				
	Coodfellow's hay field.				
54.97	Jones and Goodfellow's house, bears S. 73° E., about				
	6.00 chs. from this point.				
55.80	At this point, at 9 <sup>h</sup> 30 <sup>m</sup> a.m., 1.m.t., August 21, I ob-				
	serve Polaris at western elongation, then turned off				
	the azimuth 2° 46' E. and test the line bet. secs. 11				
	and 12, and found it to be correct.				
	Thence 1 continue N. 0° 2' W., bet. secs. 11 and 12.				
<b>57.</b> 80	Leave hay field; fence bears N. 57° W. and S. 57° E.;				
	Enter scattering spruce, very small.				
60.50	Wood road, bears NW. and SE.				
66 <b>.25</b>	Yood road, bears SV. and NE.				
74.95	Wood road, bears S. 38° W. and N. 38° E.				
80.00	Set an iron pipe, size 2, 24 ins. in the ground, for cor.				
	of secs. 1, 2, 11 and 12; with cap marked				
	TISSI on NE.,				
	R 2 W S 12 on SE.,				

Chains.

S 11 on SW., and

5 2 on NV. quadrant, with 1 notch on E. and 5 notches on S. edges; dig pits, 18 x 18 x 12 ins., one in each sec. at 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3 ft. W. of cor. Land, nearly level.

Soil, sandy; 3rd rate.

Timber, spruce, birch, alder and willow.

E. on a random line, bet. secs. 1 and 12

40.00 Set temp. 1 sec. cor.

80.00 Intersect E. bdy. of Tp., 1 1k. north of cor. of secs.
1, 6, 7 and 12, set in 1910.

Thence I run

W., on a true line, bet. secs. 1 and 12.

Over low wet ground, through dense alder and willow.

- 6.50 Abrupt rise of 30 ft., probably bank of an old river channel, bears NE. and SW.; thence through spruce, birch, cottonwood, alder and willow.
- 38.50 Leave timber, enter clearing, bears N. 44° W. and S. 44° E.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S 1 on N. and S 12 on S. sides; dig pits, 18 x 18 x 12 ins., E. and W. 3 ft. dist.; and raise a mound of earth, 3 $\frac{1}{2}$  ft. base, 1 ft. high, N. of cor.
- 48.69 U.S. telegraph line, bears S. 27° W. and N. 27° E.
- 49.84 Tanana Valley R.R., bears S. 27º 25' W. and N. 27º 25' E.
- 50.16 Railroad telephone line, bears S. 27° W. and N. 27° E.
- 50.47 Old road, bears S. 27? W. and N. 27° E.
- 61.35 Wood road, bears N. 12° W. and S. 12° E.
- 67.07 Left bank of Gripple Creek.
- 67.68 Right bank of same, 20 ft. high, course S. 19° W.; large spruce and birch on banks.

68.74 Right bank of same.

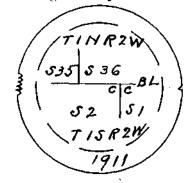
 Chaine					
69.20					
	Left bank of same.				
71.22	Left bank of same; banks all 20 ft. high, course S. 22°				
	W.; leave large spruce and birch.				
72,96					
<b>N</b> D <b>#</b> #	slope.				
78.35	•				
80.00	· · ·				
	Land, nearly all level.				
	Soil, sandy; 3rd rate.				
	Timber, spruce, birch, cottonwood, alder and willow.				
	August.21, at this cor., I set off 12° 18' N. on the				
	decl. arc; and at 12 <sup>h</sup> 03 <sup>m</sup> p.m., l.n.t., observe the sun				
	on the meridian: the resulting lat. was 64° 51' N.				
	**************************************				
	N. 0° 2' W., on a true line, bet. secs. 1 and 2.				
	Ascend gentle S. slope, through small spruce.				
3,50	Ascend gentle S. slope, through small spruce. Small spur, bears E. and W.; thence descent gradual NE.				
3,50	·				
3,50 10.80	Small spur, bears E. and W.; thence descent gradual N.S.				
	Small spur, bears E. and W.; thence descent gradual N.S. slope.				
10.80	Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt.				
10.80	<pre>Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar,</pre>				
10.80 14.25	Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar, birch, spruce and willow. Small drain, bears S. 65° E.; ascend SW. slope.				
10.80 14.25 14.80	<pre>Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar, birch, spruce and willow. Small drain, bears S. 65° E.; ascend SW. slope.</pre>				
10.80 14.25 14.80	<ul> <li>Small spur, bears E. and W.; thence descent gradual NE.</li> <li>slope.</li> <li>Slope more abrupt.</li> <li>Wood road, bears N. 67° W. and S. 67° H.; enter poplar,</li> <li>birch, spruce and willow.</li> <li>Small drain, bears S. 65° E.; ascend SW. slope.</li> <li>Fence, bears S. 50° W. and H. 50° E.; A small plot</li> </ul>				
10.80 14.25 14.80 16.15	Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar, birch, spruce and willow. Small drain, bears S. 65° E.; ascend SW. slope. Fence, bears S. 50° W. and N. 50° E.; A small plot fenced in.				
10.80 14.25 14.80 16.15 19.66	<pre>Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar, birch, spruce and willow. Small drain, bears S. 65° E.; ascend SW. slope. Fence, bears S. 50° W. and N. 50° E.; A small plot fenced in. Timber more scattering.</pre>				
10.80 14.25 14.80 16.15 19.66	Small spur, bears E. and W.; thence descent gradual NE. slope. Slope more abrupt. Wood road, bears N. 67° W. and S. 67° E.; enter poplar, birch, spruce and willow. Small drain, bears S. 65° E.; ascend SW. slope. Fence, bears S. 50° W. and N. 50° E.; A small plot fenced in. Timber more scattering. A post, 3 ins. sq., bears 3 lks. W. of line; this is one				
10.80 14.25 14.80 16.15 19.66 23.13	<ul> <li>Small spur, bears M. and W.; thence descent gradual N.S. slope.</li> <li>Slope more abrupt.</li> <li>Wood road, bears N. 67° W. and S. 67° M.; enter poplar, birch, spruce and willow.</li> <li>Small drain, bears S. 65° E.; ascend SW. slope.</li> <li>Fence, bears S. 50° W. and N. 50° E.; A small plot fenced in.</li> <li>Timber more scattering.</li> <li>A post, 3 ins. sq., bears 3 lks. W. of line; this is one cor. of placer mining claim on bench of Cripple Creek.</li> </ul>				
10.80 14.25 14.80 16.15 19.66 23.13 23.16	<ul> <li>Small spur, bears M. and W.; thence descent gradual NE.</li> <li>slope.</li> <li>Slope more abrupt.</li> <li>Wood road, bears N. 67° W. and S. 67° M.; enter poplar, birch, spruce and willow.</li> <li>Small drain, bears S. 65° E.; ascend SW. slope.</li> <li>Fence, bears S. 50° W. and M. 50° E.; A small plot fenced in.</li> <li>Timber more scattering.</li> <li>A post, 3 ins. sq., bears 3 lks. W. of line; this is one cor. of placer mining claim on bench of Cripple Creek.</li> <li>Change to a NW. slope</li> <li>Right bank of Gripple Creek.</li> </ul>				
10.80 14.25 14.80 16.15 19.66 23.13 23.16 26.59	<ul> <li>Small spur, bears M. and W.; thence descent gradual N.S. slope.</li> <li>Slope more abrupt.</li> <li>Wood road, bears N. 67° W. and S. 67° M.; enter poplar, birch, spruce and willow.</li> <li>Small drain, bears S. 65° E.; ascend SW. slope.</li> <li>Fence, bears S. 50° W. and M. 50° E.; A small plot fenced in.</li> <li>Timber more scattering.</li> <li>A post, 3 ins. sq., bears 3 lks. W. of line; this is one cor. of placer mining claim on bench of Cripple Creek.</li> <li>Change to a NW. slope</li> <li>Right bank of Gripple Greek.</li> </ul>				
10.80 14.25 14.80 16.15 19.66 23.13 23.16 26.59	<ul> <li>Small spur, bears E. and W.; thence descent gradual NE.</li> <li>slope.</li> <li>Slope more abrupt.</li> <li>Wood road, bears N. 67° W. and S. 67° E.; enter poplar,</li> <li>birch, spruce and willow.</li> <li>Small drain, bears S. 65° E.; ascend SW. slope.</li> <li>Fence, bears S. 50° W. and N. 50° E.; A small plot fenced in.</li> <li>Timber more scattering.</li> <li>A post, 3 ins. sq., bears 3 lks. W. of line; this is one cor. of placer mining claim on bench of Cripple Creek.</li> <li>Change to a NW. slope</li> <li>Right bank of Oripple Creek.</li> <li>Left bank of same, 15 ft. high, course S. 64° E.; Large</li> </ul>				

34.00 Fairbanks-Ester telephone line, bears E. and W.

67833

- Chains. 40.00 Set iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor., with cap marked B 1 on E. and ‡ 5 2 on W. side; dig pits. 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
  - 51.24 Leave scattering dead spruce, enter birch, spruce, alder
    and willow; Bank of St. Patrick's Creek, 4 ft. high,
    15 lks. wide, 1½ ft. deep, course K., clear cool water.
  - 54.30 Same Creek, course W.
  - 57.89 Same Creek, course S. 50° M.
  - 59.83 Same Creek, course N. 85° W.
  - 61.00 Leave birch and spruce, enter birch, brush and tussocks, bears E. and W.
  - 64.99 Tanana Valley K.R. warehouse at Ester siding, bears N. 60° E., about 8.00 chs.; Leave tussocks and birch brush, over solid grassy ground, bears E. and W.
  - 69.99 Roadhouse at Ester siding, bears N. 89° E., about 7.00chs.
- 70.23 Road U.S. from Ester City to Ester siding, bears N. 83° E. and S. 83° W.
- 73.62 Old road to Ester City (abandoned), bears NW. and SE.
- 79.89 Intersect the N. bdy. of Tp., 6.15 chs. E. of standard cor. of secs. 35 and 36 of T. 1 N., B. 2 W., which is a spruce post, fully marked.

At intersection I set an iron pipe, size 3, 24 ins. in the ground, for closing cor. of secs. 1 and 2, marked



as shown in diagram.

Land, level and hilky. Soil, 3rd rate. Timber, spruce, birch and poplar.

August 21, 1911.

Chains. July 25: At the cor. of secs. 2, 3, 34 and 35, which is an iron pipe, heretofore described, at 8<sup>h</sup> 0<sup>m</sup> a.m., 1.m. t., I set off 64° 47' 30" N. on the lat. arc; and 19° 50' N. on the decl. arc; and determine a meridian with the solar.

Thence I run

N. 0° 4' W., bet. secs. 34 and 35.

Over level ground, through thick alder and willow, few cottonwood, spruce and birch.

- 11.00 Leave timber, enter grassy slough, bears K. and W.
- 14.00 Leave slough, enter timber, bears  $\mathbb{Z}$ . and  $\mathbb{V}$ .
- 17.22 Leave timber, enter grassy slough, bears E. and W.; about 4 ft. deep, large tussocks in slough.
- 25.22 Leave slough, enter timber, bears SW. and NE. The dist. across swampy place was determined by stadia. The mean of two readings gave 4 ft. on the rod, which is equal to a dist. of 8.00 chs.

39.55 Left bank of Tanana River, 5 ft. high.

- Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 34 and 35, with cap marked
  - M C on N.,
  - T 1 S on S.,
  - R 2 W S 35 on SE., and
  - S 34 on SW. quadrant, with 2 notches on E. edge; from which
  - A spruce, 6 ins. diam., bears S. 382° E., 22 lks. dist., marked T 1 S R 2 W S 35 M C B T.
  - A cottonwood, 12 ins. diam., bears S. 64° W., 36 lks. dist., marked T 1 S R 2 W S 34 H C B T.

40.00 Point for  $\frac{1}{2}$  sec. cor. falls in river.

43.65 N. side of sand bar, 2.00 chs. wide.

49.24 S. bank of Wenrich's Island, 4 ft. high. This is a large high island with spruce, cottonwood, birch, al-

Chains. Set an iron pipe, size 2, 24 ins. in the ground, for frac. secs. 34 and 35, with cap marked H C on S.. T 1 S on N., R 2 W S 34 on NW., and S 35 on NE. quadrant, with 2 notches on E. edge; from which A cottonwood, 8 ins. diam., bears N. 45° 15' E., 46 lks. dist., marked T-1 S R 2 W S 35 M C B T. A spruce, 9 ins. diam., bears N. 89º 30' W., 14 1ks. dist., marked T 1 S R 2 W S 34 M C B T. 62.05 N. bank of Wenrich's Island, 4 ft. high. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 34 and 35, with cap marked M C on N., T 1 S on S., R 2 W 8 35 on SE., and 5 34 on SW. quadrant, with 2 notches on E. edge; from which A cottonwood, 6 ins. diam., bears S. 58º 45' E., 52 1ks. dist., marked T 1 S R 2 W S 35 H C B T. A cottonwood, 7 ins. diam., bears S. 41° W., 51 1ks. dist., marked T 1 S R 2 W S 34 M C B T. To determine the dist. across to another island, I set a flag on line across the channel, and measure a base N. 89° 56' E., 10.00 chs. dist. to a point from which the flag bears N. 29° ş 04' W.; from flag, the E. end of base オメ bears S. 29° 64' E.; therefore, the dist. is cot. 29° x 10.00 chs., or N89º56'E E 1,804 x 10.00, equals 18.04 chs. 10.00 62.17 Point on sand bar, from which base was measured to make

triangulation;

And 62.17 + 18.04 chs. is 36.21 chs.

80.00 Point for sec. cor. of secs. 26, 27, 34 and 35 falls in

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Chains.	the river.					
	Land, level.					
	Soil, sandy; 3rd rate.					
	Timber, spruce, cottonwood, birch, alder and willow.					
•	The line bet. secs. 26 and 35 could not be run E. on a					
	random, as the cor. of secs. 26, 27, 34 and 35 fell in					
	the Tanana River.					
	From the cor. of secs. 25, 26, 35 and 36, I run					
	N. 89° 58' W., on a true line, bet. secs. 26 and 35.					
	Over level ground, through heavy spruce, dense alder and willow brush.					
24.12	Right bank of Tananà River, 3 ft. high.					
	Set iron pipe, size 2, 24 ins. in theground, for meander					
	cor. of frac. secs. 26 and 35; with cap marked					
	N C on W.,					
	TIS on E.,					
	E 2 W S 26 on NE., and					
	S 35 on SE. quadrant, with one notch on S. edge;					
	from which					
	A spruce, 8 ins. diam., bears N. 30° 3., 27 lks. dist.,					
	marked T 1 S R 2 W S 26 M C B T.					
	A spruce, 9 ins. diam., bears S. 67° E., 74 lks. dist.,					
	marked T 1 S R 2 W S 35 M C B T.					
	Dig pit, 36 x 36 x 12 ins., E. of cor. 8 ft. dist.; and					
	raise a mound of earth, 4 ft. base, 2 ft. high, bet.					
	pit and cor.					
	The remainder of the mile falls in the river.					
	Land, level.					
	Soil, sandy; 3rd rate.					
	Timber, spruce, heavy alder and willow.					
	July 25, 1911.					
•						

N. 0° 4' W., bet.secs. 26 and 27. Over level land, through timber.

- Chains. .21 Point reached by triangulation on S. bank of an island, 4 ft. high, bears S. 85° W. and N. 85° E.
  - At this point, July 28, at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 47' 30" N. on the lat. arc, and 19° 10' N. on the decl. arc, and determine a meridian with the solar.
  - 5.16 N. bank of island, 4 ft. high, bears N. 80° W. and S. 80° E.
    - To determine the dist. across deep swift channel to S. bank of Horgan's Island, I take a stadia reading; the mean of readings gave 3 ft. on the rod, making the dist. 6.00 chs.
  - 11.16 This is too far on island to set meander cor.; measured back 92 1ks. from point 11.16 chs.
  - 10.24 S. bank of Morgan's island, 6 ft. nigh. Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 26 and 27; cap marked
    - M C on S.,
    - T 1 S on S.,
    - R 2 W S 27 on NW., and
    - S 26 on NE. quadrant, with two notches on E. edge; from which
    - A spruce, 6 ins. diam., bears N. 122° E., 17 1ks. dist., marked T 1 S E 2 W S 26 X C B T.

A cottonwood, 7 ins. diam., bears N. 68° W., 12 1ks. dist., marked T 1 S R 2 W S 27 M C B T.

Thence I run through heavy cottonwood, spruce, thick alder and willow; N. half of island, dense alder and willow.

15.01 N. bank of Morgan's Island, 6 ft. nigh.

Set iron pipe, size 2, 24 ins. in the ground, for cor. of frac.secs. 26 and 27; cap marked

M C on N.,

1 1 S on S.,

R 2 % S 26 on SE., and

S 27 on SW. guadrant, with two notches on E.; dig

- Chains. pit, 36 x 36 x 12 ins., 8 ft. S. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. con and pit.
  - 18.63 Right bank of Tanana River, 3 ft. high.

Set iron pipe, size 2, 24 ins. in the ground, with cap marked

- M C on S.,
- T 1 S. on N.,
- R 2 W S 27 on NW., and
- S 26 on NE. quadrant, with two notches on E.; dig pit, 36 x 36 x 12 ins. 8 ft. N. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. cor. and pit.

Thence through thick alder and willow and few scattering cottonwood.

24.58 Left bank of Chena River, 5 ft. high.

Set iron pipe, size 2, 24 ins. in the ground; cap marked M C on N..

- T 1 S on S.,
- R 2 W S 26 on SH., and
- S 27 on SW. quadrant, with 2 notches on E. edge: from which
- A cottonwood, 10 ins. diam., bears S. 56° E., 33 1ks. dist., marked T 1 S R 2W S 26 M C B T.

A cottonwood, 6 ins. diam., bears S. 42° W., 172 lks. dist., marked T 1 S R 2 W E 27 M C B T.

From meander cor., I run 4.00 chs. N. 89° 56' 3.; then I run on an offset line N. 0° 4' W. through heavy alder and willow.

57.25 Spruce and cottonwood heavier.

Here I offset back S. 89° 56' W., to true line, 4.00 chs., thence N. 0° 4' W. on true line, over sand bar, slong shore in thick willow brush.

63.25 Leave willows, enter grassy slough, about 3 ft. deep,
1.50 chs. wide, bears N. 20° W. and S. 20° E.

	Subdivision of T. 1 S., R. 2 Y.
Chain 75.2	
	30° W.
80.0	00 Cor. of sees. 22, 23, 26 and 27 fell on sand bar near
	left bank of Chena Eiver.
	Set temp. cor.
	Ground, level.
	Soil, sandy; Erd rate.
	Timber, mostly spruce and cottonwood.
,	July 28, 1911.
	E. on a random line, bet. secs. 23 and 26.
3.	32 Set temp, meander cor. for frac. secs. 23 and 26.
40.0	00 Set temp. 2 sec. cor.
80.0	03 Intersect the N. and S. line, 9 lks. N. of cor. of Becs.
	23, 24, 25 and 26; thence I run
	N. 89° 56' W., on a true line, bet. secs. 23 and 26.
	Over level ground, through tussocks and birch brush.
12.0	00 Leave same and enter scattering dead spruce, bears N.
	72° W. and S. 72° E.
31.	50 Leave same, enter birch brush and tussocks, bears N. & S.
40.	Old Set iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$ sec.
	cor., marked 🛔 S 23 on N. and S 26 on S. side; dig pite,
	18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and
	raise a mound of earth, 3g ft. base, 1g ft. high, N.
	of cor.
47.	00 Leave birch brush, enter spruce and birch timber, bears
	N. 25° W. and S. 25° E.
51.	60 Spruce and birch heavier; thick layer of moss on ground.
67.	50 Leave timber, enter grassy slough, bears N. 20° E. and
68. 70.	
71.	50 Leave slough, enter timber, bears N. and S.
	71 Left bank of Chena River, 2 ft. high.
76.	· · · ·

Chains. cor. of frac. sees. 23 and 26; cap marked

- N C on W.,
- T 1 8 on R.,
- R 2 W S 23 on NE., and
- S 26 on SE. quadrant, with two notches on S. edge; from which
- A cottonwood, 16 ins. diam., bears N. 82° E., 203 1ks. dist., marked T 1 S R 2 W S 23 M C B T.
- A cottonwood, 16 ins. diam., bears S. 602° E., 123 1ks. dist., marked T 1 S R 2 W S 26 M C B T.

The last 3.00 chs. before meander cor., is dense alder and willow with few large cottonwood.

80.03 Temp. cor. of secs. 22, 23, 26 and 27.

Land, level, but very rough on account of tussocks. Soil, sandy; 3rd rate. Timber, spruce, birch, cottonwood, alder and willow; In timber, heavy layer of moss.

August 1, 1911.

N. U° 4' W., bet secs. 22 and 23.

Over level sand bar in Chena River, through willow brush. 7.53 Leave sand bar in Chena River.

- To determine the dist. across to right bank, I take stadie, the mean of two readings gave 6 ft. on the rod, which is equal to 12.00 chs.
- 19.53 Right bank of Chena River, 7 ft. high.
  - Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. sees. 22 and 23; cap marked
    - M C on S.,
    - T 1 S on N.,
    - R 2 W 5 22 on NW., and
    - S 23 on NE., quadrant, with two notches on E. edge; dig pit, 36 x 36 x 12 ins., 8 ft. N. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. cor. and pit; From cor.

26

Chains. A cottonwood, 12 ins. diam., bears S. 71° W., 110 1ks. dist., marked T 1 S R 2 W S 22 N C B T.

At this meander cor., August 5, at 9<sup>h</sup> 0<sup>m</sup> a.m., 1.mt., 1 set off 64° 48' N. on the lat. arc. and 17° 10' N. on the decl. arc, and determine a meridian with the solar. Through scattering alder, over level ground.

28.00 Bank of old slough, 5 ft. high, bears N. 10° W. and S. 10° E.

- 31.00 Leave same, bears N. 20° E. and S. 20° W.
- 36.00 U.S. telegraph line, bears N. 45° E. and S. 45° W.
- 37.58 Tanana Valley R.R., bears S. 39° 25' W. and N. 39° 25' E.
- 37.90 Railroad telephone line, bears S. 34° W. and N. 34° E.
- 40.00 Set iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{2}$  sec.
  - cor.; cap marked, S 23 on E. and  $\frac{1}{4}$  S 22 on W.; dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth,  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 47.70 Old road, bears N. 42º %. and S. 42º E.
- 51.50 Enter deep grassy slough, bears N. 44° W. and S. 44° E.

52.00 Fairbanks-Chena telephone line, bears N. 39° E. and S. 39° W.

- 52.40 Leave slough, enter fair spruce, birch, cottonwood timber, bears NW. and SE.
- 55.10 Slough bears N. 76° W. and S. 76° M., 80 lks. wide.
- 59.80 Enter grassy slough, 50 lks. wide, bears 5. 80° W. and N. 80° E.
- 62.00 Enter grassy slough, 1.00 ch. wide, bears S. 77° W. and N. 77° E.
- 78.00 Leave heavy spruce, birch, cottonwood, enter small firekilled spruce, bears NE. and SW.
- 80.00 Set iron post, size 2, 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23; with cap marked T 1 3 5 14 on NE.,

R 2 W S 23 on SE.,

Subdivision of T. 1 S., R. 2

Chains 5 22 on SW., and S 15 on NW. quadrant, with 3 notches on S. and 2 notches on E. edge; from which A spruce, 3 ins. diam., bears N. 71º 30' E., 292 1ks. dist., marked T 1 S R 2 W S 14 B T. A spruce, 10 ins. diam., bears S. 45° E., 22 1ks. dist., marked T 1 S R 2 W S 23 B T. A spruce, 7 ins. diam., bears S. 61° 30' W., 124 1ks. dist., marked T 1 S H 2 W S 22 B T. A spruce, 6 ins. diam., bears N. 75° 30' W., 270 lks. dist., marked T 1 B R 2 W S 15 B T. Land, level. Thick layer of moss in heavy timber. Soil, sandy; 3rd rate. Timber, spruce, birch, cottonwood, alder and willow. Small fire-killed spruce. Line very difficult to cut. At this cor., August 5, I set off 17° 6". N. on the decl. arc, and at 12<sup>h</sup> 05<sup>m</sup> p.m., 1.m.t., I observe the sun on the meridian; the resulting lat. is 64° 49' N. E. on a random line, bet. secs. 14 and 23. 39.14 Right bank of Chena River. Set temp. meander cor. To determine the dist. across to left bank, I set a flag

on line on the left bank; then measure a base S. 4.63

 $\frac{1}{3}$  chs. dist., to a point from which flag bears N. 58° 5' E.; from flag the S. end of base bears S. 58° 5'W.; therefore, the dist. is cot. 31° 55' x base, or  $1.6055 \times 4.63 = 7.43$  chs.,

and 39.14 + 7.43 is

46.57 A point on a send bar near left bank.

Left bank of Chena River. 48.11

Set temp. meander cor.

<u>28</u>

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Chains. 79.99 Intersect N. and S. line, ½ 1k. E. of cor. of secs. 13. 14, 23 and 24; thence I run W., on a true line, bet. secs. 14 and 23. Over level ground, through spruce, cottonwood, few birch, alder and willow; layer of moss in heavy timber. 21.70 Leave timber, enter swamp with willows and grass, bears N. 12° S. and S. 12° W. 22.90 Leave swamp, enter timber, bears N. 12° E. and S. 12° W. 25.30 E. bank of deep slough, bears N. 32° E. and S. 32° W. 25.90 W. bank of deep slough, bears N. 32° E. and S. 32° W. 31.88 Left bank of Chena River, 3 ft. high. Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 14 and 23; with cap marked M C on W., T 1 S on E. R 2 W S 14 on NE., and 5 23 on SH. guadrant, with 3 notches on S. edge; from which A cottonwood, 6 ins. diam., bears N. 75° E., 48 1ks. dist., marked T 1 S R 2 W S 14 M C B T. A cottonwood, 6 ins. dism., bears S. 81° E., 81 1ks. dist., marked T 1 S R 2 W S 23 M C B T. 39.99 Point for  $\frac{1}{2}$  sec. cor. fell in river. 40.85 Right bank of Chens River, 8 ft. high. Set an iron pipe, Size 2, 24 ins. in the ground, for meander cor, of frac. secs. 14 and 23; with cap marked M C on M., 1 1 S on #., R 2 W S 23 on SW., and S 14 on HW. quadrant, with 3 notches on S. edge; from which A spruce, 7 ins. diam., bears S. 36° W., 143 lks. dist., marked T 1 S R 2 W S 23 M C B T. A spruce, 8 ins. diam., bears N. 48° W., 376 lks. dist.,

marked T 1 S R 2 W S 14 H C B T.

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Chains	From EC. a cabin bears 2. 7° W., about 10.00 ohs.		
	Thence through scattering spruce.		
46.00	Enter heavy spruce, with other timber, bears N. 30° E.		
	and S. 30° W.		
51,30	Leave timber, enter clearing, bears N. 27° K. and S. 27°W.		
52.40	U.S. telegraph line, bears N. 26° E. and S. 26° W.		
53.23	Tenana Valley R.R., beers N. 27° 37' E. and S. 27° 37' W.		
53.50	Railroad telephone line, bears M. 27º E. and S. 27º E.		
54.00	Enter timber, bears N. 27° E. and S. 27° W.		
76.00	Leave heavy timber, enter scattering spruce, bears N. 15°		
	E. and S. 15° W.		
<b>79.</b> 99	The cor. of secs. 14, 15, 22 and 23.		
	Land, level.		
	Soil, sandy; 3rd rate.		
	Timber, spruce, cettonwood, birch, alder and willow.		
	In heavy timber, a heavy layer of moss covers the ground.		
	August 5, 1911.		
At last cor., August 12, 1 set off 15° 08' N. on the decl.			
	At last cor., August 12, 1 set off 15° 08' N. on the decl.		
	At last cor., August 12, 1 set off 15° 08' N. on the decl. arc, and at 12 <sup>h</sup> 06 <sup>m</sup> 1.m.t., I observe the sun on the		
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ų	are, and at 12h 06m 1.m.t., I observe the sun on the		
,	arc, and at 12h 06m l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.		
ų	arc, and at 12 <sup>h</sup> 06 <sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N. Thence I run		
ĸ	<pre>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N. Thence I run N. 0° 4' W., bet. secs. 14 and 15.</pre>		
8.00	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoches</li> </ul>		
<b>8.00</b> <b>11.84</b>	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoches and moss.</li> </ul>		
	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoches and moss.</li> <li>Enter heavier spruce and few birch, bears E. and W.</li> </ul>		
11.84	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussocks and moss.</li> <li>Enter heavier spruce and few birch, bears E. and W.</li> <li>Old road, bears N. 38° E. and S. 38° F.</li> </ul>		
11.84 14.00	<ul> <li>are, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoclass and moss.</li> <li>Enter heavier spruce and few birch, bears B. and W.</li> <li>Old road, bears N. 38° B. and S. 38° E.</li> <li>Leave tussocks; heavy layer of moss in timber.</li> </ul>		
11.84 14.00 22.97	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussocks and moss.</li> <li>Mnter heavier spruce and few birch, bears E. and W.</li> <li>Old road, bears N. 38° E. and S. 38° W.</li> <li>Leave tussocks; heavy layer of moss in timber.</li> <li>Old road, bears N. 30° E. and S. 30° W.</li> </ul>		
11.84 14.00 22.97 23.55	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> 1.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussocks and moss.</li> <li>Enter heavier spruce and few birch, bears E. and W.</li> <li>Old road, bears N. 38° E. and B. 38° E.</li> <li>Leave tussocks; heavy layer of moss in timber.</li> <li>Old road, bears N. 30° E. and S. 30° W.</li> <li>Timber, thicker at this point.</li> </ul>		
11.84 14.00 22.97 23.55 30.87	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> 1.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoches and moss.</li> <li>Enter heavier spruce and few birch, bears E. and W.</li> <li>Old road, bears N. 38° &amp; and S. 38° W.</li> <li>Leave tussocks; heavy layer of moss in timber.</li> <li>Old road, bears N. 30° E. and S. 30° W.</li> <li>Timber, thicker at this point.</li> <li>Road, bears N. 40° E. and S. 40° W.</li> </ul>		
11.84 14.00 22.97 23.55 30.87 32.20	<ul> <li>arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., I observe the sun on the meridian, and the resulting lat. is 64° 49' N.</li> <li>Thence I run</li> <li>N. 0° 4' W., bet. secs. 14 and 15.</li> <li>Over level ground, through scattering spruce, tussoches and moss.</li> <li>Enter heavier spruce and few birch, bears B. and V.</li> <li>Old road, bears N. 38° 3. and S. 38° 3.</li> <li>Leave tussocks; heavy layer of moss in timber.</li> <li>Old road, bears N. 30° E. and S. 30° W.</li> <li>Timber, thicker at this point.</li> <li>Road, bears N. 40° E. and S. 40° W.</li> <li>Leave timber, enter brushy swamp, bears N. 50° E. and</li> </ul>		

37.90 Peplar brush very thick.

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- Chains. 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for \$ sec. cor.; cap marked, S 14 on E. and \$ S 15 on W.; dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, 3\$ ft. base, 1\$ ft. high, W. of cor.
  - 43.96 Leave popler brush, enter light poplar and spruce timber, bears M. 60° E. and S. 60° W.
  - 45.94 Spruce and poplar gets heavier.
  - 51.93 Small clear area, bears E. and W.
  - 53.50 Enter scattering spruce, bears NV. and SU.
  - 67.80 Enter heavy spruce and aspen, bears NW. and SE.
  - 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor.

of secs. 10, 11, 14 and 15; with cap marked

- T 1 S S 11 on NE..
- R 2 W S 14 on SN.,
- S 15 on SH., and
- S 10 on HW. suadrant, with 2 notches on E. and 4 notches on S. edges; from which
- A spruce, 6 ins. dien., bears N. 32° E., 551ks. dist., marked T 1 S H 2 W S 11 B T.
- A spruce, 8 ins. diam., bears S. 81° H., 122 lks. dist., marked T 1 B R 2 W S 14 B T.
- A spruce, 3 ins. diam., bears S. 16° 30' W., 21 1ks. dist., marked T 1 S H 2 W 3 15 B T.
- A birch, 6 ins. diam., bears N. 25 ° W., 52 lks. dist., marked T 1 S R 2 W S 10 B T.
- Land, 35 chs. level, and 45 chs. mountainous, surface level.
- Soil, sandy; 3rd rate soil on mountainous land, 2nd and 3rd rate.
- Timber, spruce, peplar, birch, alder and willow, and poplar brush.

August 12, 1911.

Subdivision of T. 1.8. R. 2 M.

Chains., At last cor., on August 18, at 8h 6m a.n., 1.m.t., I set off 64° 50' N. on the lat. arc, and 13° 20' N. on the decl. arc; and determine a meridian with the colar. Thence 1 run E. on a random line, bet. secs. 11 and 14. 40.00 Set temp. 1 sec. cor. 79.92 Intersect N. and S. line at cor. of secs. 11, 12, 13 and 14. Thence I run W. on a true line, bet. necs. 11 and 14. Over level land, through tussocks and moss. 3.52 Left bank of Cripple Creek. 4.55 Right bank of same, 10 ft. high; water deep and muddy, course S. 15° W. Few large spruce, cottonwood, alder and willow on banks. Thence over level solid ground. 10.92 U.S. telegraph line, bears N. 25° E. and S. 25° W. 11.00 Fence bears H. 25° H. and S. 25° W. 11.46 Tanana Valley R.R., bears N. 25° 27' E. and S. 25° 27! W. From center of track, Mrs. Alice Hyde's house bears S. about 15.00 chs. 11.85 Fence and railroad telephone line, bears N. 25° E. and S. 25° W.; enter brush and moss. 12.30 Enter Mrs. Hyde's oat field, bears N. 25° E. and S. 25°W. 14.90 Leave same, enter small willows and mossy ground, bears N. 40° E. and S. 40° W. 18.70 Fence, bears N. 35° S. and S. 35° W.; leave Mrs. Myde's field, enter tussocks and brush. 19.11 Old road bears N. 35° M. and S. 35° W. 25.08 Road, bears N. 42° E. and S. 42° V. 26.92 Leave tussocks and birch brush, enter large scattering spruce and birch, bears N. 40° 2. and S. 40° W. Fine heavy growth of red top in timber.

31.75 Base of hill, bears N. 16° E. and S. 16° W.; thence ascend steep E. slope.

0.363

Chains.

32.42 Bench land, nearly level.

- 37.92 Change to a NE. slope, through large spruce and birch, scattering and mostly fire-killed.
- 39.96 Set an iron pipe, size 1, 24 ins. in the ground, for <sup>1</sup>/<sub>4</sub> sec. cor; cap marked, <sup>1</sup>/<sub>4</sub> S 11 on N. and S 14 on S. side; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>4</sub> ft. high, N. of cor.
- 48.20 Enter more green timber.
- 60.70 A small ridge, bears SN.; thence ascend SE. slope.
- 70.65 Leave timber, enter fire-killed patch and windfalls, bears N. and S.
- 74.90 Leave same and enter heavy spruce, poplar and birch, bears NE. and SW.
- 79.92 The cor. of secs. 10, 11, 14 and 15.

Land, 32.00 chs. level; 48.00 chs. mountainous.

Soil, on level land, sandy; 3rd rate - mountainous soil; 2nd and 3rd rate.

Timber, spruce, poplar and birch; some willow brush.

August 18, 1911.

N. 0° 4' W., bet sees. 10 and 11.

Over hilly ground, through large spruce, poplar and birch; ascend gradual S. slope.

7.00 Ridge, bears S. 35° W. and N. 55° E.; enter small dead spruce.

8.00 Begin descent of NW. slope.

- 10.00 Leave dead and enter live timber, bears E. and W.; heavy growth of wild red top grass.
- 14.00 Leave heavy and enter dead timber, bears E. and W.
- 25.00 Enter small drain, bears NW.; Descend NW. slope.
- 27.06 At this point, August 22, at 9h 25m a.m., 1.m.t., I observe Polaris at western elongation; then I turned off the azimuth, 2° 46' E., and test the line bet. secs.

180

Subdivision of T. 1 S., R. 2 W.

Chains. 10 and 11, and found it to be correct: Continue line 27.88 Leave fire-killed timber, enter heavy green spruce, poplar and few birch, bears N. 70° W. and S. 70° E.

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- 36.58 Small rise bears N. 85° W. and S. 85° W.; then descend small NE. slope.
- 38.00 Small drain, course N. 85° W.
- 39.30 Small spur, bears N. 80° W. and S. 80° E.; Descend short NE. slope.
- 40.00 ¼ sec. cor. fells in small drain, course N. 85° W.
  Set an iron pipe, size 1, 24 ins. in the ground, for ¼ sec. cor., marked S 11 on E. and ¼ S 10 on W. side; dig pits, 18 x 18 x 12 ins., 3 ft. dist. N. and S. of cor.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.; From cor.
  - A spruce, 6 ins. diam., bears S. 46° E., 34 lks. dist., marked  $\frac{1}{2}$  S ll B T.
  - A spruce, 6 ins. diam., bears 3. 71° W., 10 1ks. dist., marked 1 S 10 B T.

Ascend SW. slope.

- 41.60 Small spur, bears N. 65° W. and S. 65° E.; thence descend. NE. slope.
- 44.00 Drain, course N. 55° W.; ascend SW. slope.
- 45.00 Small spur, bears N. 55° W. and S. 55° E.; Descend steep N. slope.
- 55.34 Leave heavy timber, enter scattering timber, bears NW. and SE.
- 60.30 Enter bench land; birch and willow brush, bears NE. and SW.; heavy growth of red top.

Right limit bench of Cripple Creek.

75.28 Large tussocks on bench.

78.28 Leave same.

- 79.90 Brow of bench land, bears N. 30° S. and S. 30° W.; Very steep slope to base.
- 80.00 Base of right limit bench of Cripple Creek, bears N. 30°

17.7-

Chains. E. and S. 30° W.

Set an iron pipe, size 2, 24 ins. in the ground, for cor.

- of secs. 2, 3, 10 and 11; with cap marked
  - T 1 8 S 2 on HE.,
  - R 2 W S 11 on SE.,
  - S 10 on SW., and

S 3 on NW. quadrant, with 2 notches on E. and 5 notches on S. edge; dig pits, 18 x 18 x 12 ins. one in each sec., 5<sup>1</sup>/<sub>2</sub> ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, hilly.

Soil, 2nd and 3rd rate.

Timber, spruce, poplar and birch; few willows.

At last cor., August 22, I set off 11° 58' N. on the decl. arc, and at 12<sup>h</sup> 03<sup>m</sup> l.m.t., I observe the sun on the meridian; the resulting lat. is 64° 51' N. Thence I run

E. on a random line, bet. sees. 2 and 11.

- 40.00 Set temp  $\frac{1}{4}$  sec. cor.
- 79.90 Intersect N. and S. line, 5 1ks. N. of cor. of secs. 1, 2, 11 and 12.

Thence I run

N. 89° 58' W., on a true line, bet. secs. 2 and 11, Over hilly ground, through scattering spruce; ascend slight E. slope.

- 1.00 Begin ascent of very steep NE. slope; No timber.
- 10.63 Spur, bears S. 40° E. and S. 40° W.; Thence ascend short NE. slope.
- 12.30 Small spur, bears NE. and SE.; Ascend SE. slope.

22.90 Fence, bears NE. and SW.

27.92 Ridge, bears N. 80° E. and S. 80° W.; enter level land on ridge.

> At this point at 3<sup>h</sup> C<sup>m</sup> p.m., l.m.t., August 22, I set off 64° 51' N. on the lat. arc, and 11° 56' N. on the

Subdivision of T. 1 S., R. 2 W.

- Chains. decl. arc; and determine a meridian with the solar. Thick fire-killed spruce on ridge.
- 30.92 Leave ridge, bears NE. and SW.; Descend gentle NW. slope.
- 37.90 Leave burned timber, enter green spruce, few birch and poplar, bears N. 55° W. and S. 55° E.
- 39.95 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked, ‡ S 2 on N. side and S 11 on S. side; from which
  - A spruce, 10 ins. diam., bears S. 44° E., 43 lks. dist., marked  $\frac{1}{4}$  S 11 B T.
  - A spruce, 12 ins. diam., bears N. 77° W., 29 lks. dist., marked  $\frac{1}{4}$  S 2 B T.

Thence ascend short NE. slope.

- 40.40 Small spur, bears N. 55° W. and S. 55° E.; Descend W. slope.
- 53.90 Leave heavy spruce, birch and poplar, bears N. and S.; Enter lighter timber; Descent changes gradually to NW. slope. Heavy growth of red top in timber.
- 57.30 Enter bench land, bears N. 40° H. and S. 40° W. Right limit bench of Cripple Creek.

Leave light timber, enter brush.

76.90 Leave right limit bench of Cripple Creek; Descent steep to sec. cor.

79.90 The cor. of secs. 2, 3, 10 and 11.

Land, hilly.

Soil, 2nd and 3rd rate.

Timber, spruce, birch, poplar and brush. A large part of this mile had fire-killed spruce, which is very difficult to cut.

August 22, 1911.

N. 0° 4' %, on a true line, bet. sees. 2 and 3. Through scattering spruce, fire-killed; gentle descent to cripple creek.

5.94 Right bank of Cripple Creek.

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Chains. 6.28	Left bank of same, 8 ft. high,	course	N. 73°	E.; Water
•	muddy and about 4 ft. deep;	Ascend	gent1e	S. slope.
17.85	Fairbanks-Ester telephone line	, bears	N. 70°	E. and
	0 000 W			

- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked S 2 on E. and ‡ S 3 on W. sides; dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
- 64.66 Covernment Road from Ester to Ester Siding, runs on ridge and bears N. 63° E. and S.63° W.
- 64.96 Enter heavy birch and spruce timber, bears N. 60° E. and S. 60° W.; timber partly killed.
- 69.95 Descend N. slope.
- 79.88 Intersect N. bdy. of Tp., 6.15 chs. E. of standard sec. cor. of secs. 34 and 35, T. 1 N., R. 2 W., which is a spruce post, fully marked as described in record. At point of intersection, I set an iron pipe, size 3, 24

TINR2W

Thence I run

ins. in the ground, with cap marked as shown in diagram.

Land, level and hilly. Soil, 3rd rate. Timber, spruce and birch, mostly fire-killed.

September 12, 1911.

At cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp., July 29, at 8<sup>h</sup> 0<sup>m</sup> a.m., 1.m.t., I set off 64° 46g' N. on the lat. are and 18° 56' N. on the decl. arc; and determine a meridian with the solar.

Chains.N. 0° 6' W., bet secs. 33 and 34.

- Over level ground, covered with heavy layer of moss, thru heavy spruce and birch timber; cottonwood, few tamarack, alder and willow.
- 21.50 Leave heavy timber, enter swamp, bears N. 30° E. and S. 30° W.
- 23.50 Leave swamp, enter heavy timber, bears N. 30° E. and S. 30° W.
- 28.00 Leave same, enter slough with grass, nearly dry, bears N. 35° E. and S. 35° W.
- 28.70 Leave some, enter heavy timber, bears N. 30° E. and S. 30° W.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor.; cap marked, S 34 on E. and  $\frac{1}{4}$  S 33 on W.; from which
  - A cottonwood, 9 ins. in diam., bears S. 16° 30' E., 34 lks. dist., marked  $\frac{1}{4}$  S 34 B T.
  - A spruce, 10 ins. diam., bears S. 75° W., 9 lks. dist., marked  $\frac{1}{4}$  S 33 B T.
- 43.15 South bank of dry channel of Tanana River; High water flows through channel.
- 44.80 N. bank of dry channel, course 5. 75° W.

51.33 Left bank of Tanana River, 8 ft. high.

- Set an iron pipe, size 2, 24 ins. in the ground, with cap marked
  - E C on N.,
  - T 1 S on S.,
  - R 2 W 5 34 on SE., and
  - 5 33 on SW. quadrant, with 3 notches on E. edge; from which

Y

- A cottonwood, 8 ins. diam., bears 5. 38° H., 55 lks. dist., marked T 1 S R 2 W 5 34 M C B T.
- A cottonwood, 9 ins. diam., bears S. 15° W., 44 1ks. dist., marked T 1 S R 2. V S 33 M C B T.

5.89054W 3,82 62.30 **8**.

Chains. To determine the dist. across to S. bank of island, I set a flag on line on S. bank; then went across and measured a base S. 89° 54' W., 3.82 chs., to a point from which meander cor. on left bank of river bears 5. 27° 36' E.; the W. end of base bears N. 27º 36' W. from M.C. on left bank; therefore, the dist. across is cot. 27° 30' x base, or 1.9210

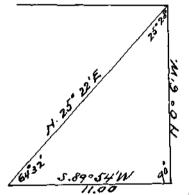
x 3.82 = 7.33 chs., and 51.33 + 7.33 is

S. bank of island, 6 ft. high, bears S. 80° W. and 58,66 N. 80° Z.

Heavy growth of alder and willow on island.

N. bank of island bears S. 47° W. and N. 47° E., 8 ft. 65.59 high.

> A large sand bar extends N. of island, about 8.00 chs. From point on N. bank of island, I set a flag on line



across channel, on a second sand bar; then neasure a base S. 89° 54' W., 11.00 chs. dist., to a point from which flag bears N. 25° 22' E.; the W, end of base, bears S. 25° 22' W. from flag; therefore, the dist. is cot. 25° 28' x base, or 2.0997 x 11.00 = 23.09

chs., and 65.59 + 23.09 is 88.68 chs.

The cor. of secs. 27, 28, 33 and 34 falls in river. 80.00 The end of triangulation is bet. secs. 27 and 28, 8.68 chs. H. of cor.

Land, level, mostly river, islands and send bars.

Soil, sandy; 3rd rate.

Timber is spruce, birch, cottonwood, tamarack, alder and willow.

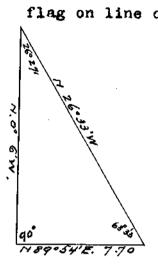
NOTE: The mile bet. secs. 27 and 34 falls in river.

Chains. N. 0° 6' W., bet. secs. 27 and 28.

Over sand bar in Tanana River.

- 8.68 Triangulation point aforesaid.
- 14.55 North side of sand bar.

To determine the dist. across to right bank., I set a



flag on line on right bank; then measure a base on sand bar N. 89° 54' E., 7.70 chs. dist. to a point from which a flag bears N. 26° 33' W.; from flag, E. end of base bears S. 26° 33' E.; therefore, the dist. is cot. 26° 27' x base, or 2.0101 x 7.70 chs. = 15.48 chs., and 14.55 + 15.48 is

30.03 Right bank of Tanana River.

July 29: Here I set off on the decl. arc, 18° 53' N. and at 12<sup>h</sup> 06<sup>m</sup> 1.m.t., I observe the sun on the meridian: the resulting lat. was 64° 48' N.

This point falls in Chena townsite; The land is already disposed of. No M.C. was set.

Here, at 11<sup>h</sup> 03<sup>m</sup> p.m., 1.m.t., I observe Polaris at eastern elongation, turned off the azimuth 2° 46' W., and tested the line bet. secs. 27 and 28, which was found to be correct.

At this same point, Sunday, July 30, I made several solar observations in a.m. and p.m., and found the solar to check the Polaris meridian determined the night before.

NOTE: In order to locate an island, Byer's Island, more than 25 acres in area, situated nearly all in the SW. + of S. 27, I take a stadia reading from point 30.03 chs. bet. secs. 27 and 28, on course bearing S. 35° E. The rod reading is 5½ ft. I go across to Byer's Island and take stadia reading to flag on right bank of river at point 30.03 chs. Rod reads 5% ft. Dist. is 11.00. From this point I chain 55 lks. S. 35° E. to good solid ground on western part of island. Total dist. from

)

63.525

- Chains. right bank of Tanana River is 11.55 chs.
  - At this place set iron pipe, size 1, 24 ins. in the ground for auxiliary meander cor. in sec. 27, marked A M C on N. side and T 1 S R 2 W S 27 in center of cap; dig pit, 36 x 36 x 12 ins., 8 ft. S. of cor.; and raise a mound of earth, 4 ft. base, 2 ft. high, bet. cor. and pit.
    From point 30.03 chs. on right bank of Tanana River, I continue N. 0° 6' W. on a blank line through Chena townsite, omitting topography.
  - 40.00 Point for 2 sec. cor. No cor. set.
  - 58.04 Intersect N. bdy. of Chena Townsite.
    - Set an iron pipe, size 2, 24 ins. in the ground, for closing cor. of frac. secs. 27 and 28; with cap marked
      - T18R2Won N. side,
      - S 27 on NE.,
      - S 28 on NW. quadrant,
      - C C on S. side, and
      - C I S on S. side, with 3 notches on E. edge; dig pits crosswise on each line, 30 x 24 x 12 ins., N. 65° 09' E. and S. 65° 69' W., 4 ft. dist. and N. 7 ft. dist.; and raise a mound of earth, 5 ft. base, 2<sup>1</sup>/<sub>2</sub> ft. high, N. of cor.
    - From this C.C. the NW. cor. of Chena townsite bears S. 65° 09' W., 50.53 chs. Cor. is an iron pipe, 3 ins. in diam., set 12 ins. out of ground, marked S 436 cor No 2 Chena, on side next to townsite claim, two pits 36 x 36 x 12 ins. on each line; a mound, 4 ft. base, 3 ft. high. SE. of cor.

Thence I continue N. 0° 6' W.

Over level ground, through scattering dead spruce.

- 59.40 Leave scattering spruce, enter swamp, bears N. 85° E. and S. 85° W.
- 60.74 Leave swamp, enter dead spruce and tussocks, bears N. 85° E. and S. 85° W.

42

Chains. 66.00 Leave same, enter swamp, bears E. and W. 66.74 Leave swamp, enter dead spruce and tussocks, bears S. 80° E. and N.  $80^{\circ}$  W. 80.00 Set an iron pipe. size 2, 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28; cap marked T 1 S S 22 on N.E., R 2 W 5 27 on SE., S 28 on SW., and S 21 on NW. guadrant, with 3 notches on E. and 2 notches on S. edges; dig pits, 18 x 18 x 12 ins., one in each sec. 51 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor. About 58.00 chs. of this mile falls in river, and Chena Townsite. The remainder is level. Soil, sandy; 3rd rate. Timber. scattering; small spruce. July 29, 1911.

At last cor., August 1, at 9<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 48' N. on the lat. are and 18° 11' N. on the decl. are, and determine a meridian with the solar. Thence I run

E. on a random line, bet. secs. 22 and 27.

40.00 Set temp. 1 sec. cor.

47.39 Set temp. C.C. on N. bdy. of Chena Townsite.

66.15 Set temp. C.C. on E. bdy. of Chena Townsite.

71.35 Set temp. meander cor. for frac, secs. 22 and 27. To determine the dist. across the river to sand bar. I set flag on line; then measure a base on sand bar. N.

٩° East

7.59 chs. Flag at M.C. on right bank of Chena River, bears S. 48° 05' W. from N. end of base. N. end of base bears N. 48° 05' E. from M.C. on right bank; therefore, the dist. is tan. 48° 05' x base, or 1.1139 x 7.59 = 8.45

<u>43</u>

Subdivision of T. 1 5. R. 2 W.

Chains. chs., and 71.35 + 8.45 18 79.80 Point where base line was neasured N. for triangulation. 80.00 Intersect H. and S. line, 6 lks. S. of temp. cor. of secs. 22, 23, 26 and 27. Thence I run S. 89° 57' W., on a true line, bet. secs. 22 and 27, Acrose river to right bank 1.50 Sand bar, bears S. 10° W. and N. 10° 2. 8.65 Right bank of Chena River, 7 ft. high. Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac1. secs. 22 and 27; with cap marked E C on E., T 1 S on W., R 2 W 5 27 on SW., and S 22 on NW. quadrant, with 2 notches on S. edge; from which A spruce, 6 ins. diam., bears S. 27° W., 41 1ks. dist., narked T 1 S R 2 V S 27 M C B T. A spruce, 12 ins. diam., bears N. 20° W., 54 1ks. dist., marked T 1 S R 2 W S 22 M C B T. At this cor., I set off 18° 10' N. on the decl. arc, and observe the sum on the meridian: the resulting lat. is 64° 48' N. at 12<sup>h</sup> 06<sup>m</sup>1.m.t. Thence through spruce, birch, alder and willow. 13.85 Intersect E. bdy. of Chena Townsite. Set an iron pipe, size 2, 24 ins. in the ground, for C. cor. of frac. sees. 22 and 27; cap marked TISH2Won N., CTS on W., C C about middle, S 22 on Ng., and S 27 on SE. quadrant, with 2 notches on S. edge; from which

44	Subdivision of T. 1 S., R. 2 W.	······································
Chains.	A spruce, 10 ins. diam., bears S. 82° E., 36 lks. dist.,	
	marked T 1 S R 2 W S 27 C C B T.	Λ.
	A spruce, 8 ins. diam., bears N. 9º 15' W., 49 1ks.	
	dist., marked T 1 S R 2 W S 22 C C B T.	
	The NE. cor. of Chena Townsite, which is an iron pipe,	
	3 ins. in diam., 12 ins. out of the ground, marked	
	S 436 cor No 3 Chena, on side next to claim, bears	
	N. 24° 54' W., 7.89 chs. dist.	
	I continue on a blank line through townsite.	
32.53	Intersect N. bdy. of Chena townsite.	
	Set an iron pipe, size 2, 24 ins. in the ground; with cap	
	ma <b>rked</b>	-
	TISR2W on N.,	
	CTS on E.,	
	C C about center,	
	S 22 on NW., and	λ
	S 27 on SW. quadrant, with 2 notches on S. side;	
	from which	
	A spruce, 7 ins. diam., bears S. 70° W., 104 1ks. dist.	
	marked T 1 S R 2 W S 27 C C B T.	
	A spruce, 6 ins. diam., bears N. 7º W., 118 1ks. dist.,	
	marked T 1 S R 2 W S 22 C C B T.	
	From here NE. cor. of Chena townsite, already described,	,
	bears N. 65° 09' E., 17.06 chs. dist.	
	Thence through spruce and birch timber, over mossy ground.	
39.60	Timber more scattering.	
40.00	Set an iron pipe, size 1, 24 ins. in the ground, for ‡	
	sec. cor.; cap marked, ‡ S 22 on N. side and S 27 on	
	S. side; from which	
	A spruce, 6 ins. diam., bears N. 24° E., 60 1ks. dist.,	ý
	marked $\frac{1}{4}$ S 22 B T.	*
	A spruce, 6 ins. diam., bears S. 36° M., 62 lks. dist.,	
	marked 🛓 5 27 B T.	
47.70	Fairbanks-Chens telephone line, bears N. 36° E. and S.	
	36° V.	

Chains.	
51.50	Leave scattering timber, enter tussocks and birch brush,
-	bears N. 30° E. and S. 30° W.
54.50	Leave same, enter small dead spruce, bears N. 30° E. and
	S. 30° W.
55.95	Old road, bears 3. 38° E. and S. 38° W.
65.00	Tussocks and birch brush, with scattering dead spruce.
80.00	The cor. of secs. 21, 22, 27 and 28.
	Land, level.
	Soil, sandy; 3rd rate.
	Timber, spruce, birch, alder and willow.
	August 1, 1911.
	₩ <u>₩₩₽₩₽₩₩₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₩₽₩₽₩₽₩₽₩₽₩₽₩₽</u>
	At last cor., August 12, at 8 <sup>h</sup> 0 <sup>n</sup> a.m., 1.m.t., I set off
	64° 48' N. on the lat. arc and 15° 12' N. on the decl.
	arc; and determine a meridian with the solar.
	Thence I run
	N. 0° 6' W., bet. secs. 21 and 22.
	Over level ground with small trees and tussocks.
7.70	Leave scattering spruce and tamarack, enter brush and
	tusso <b>cks,</b> bears N. 50° E. and S. 50° W.
18.00	Leave same, enter grassy swamp, bears S. 70° W. and
	N. 70° E.
21.25	Leave swamp, enter birch brush and tussocks, bears N.
	33° W. and S. 33° E.
40.00	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$
	sec. cor.; cap marked S 21 on E. and $\frac{1}{4}$ S 22 on W. sides
	dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft.
	dist.; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
	high, W. of cor.
44.00	Leave tussocks, enter dead spruce, bears E. and W.
45.70	Old road, bears SW. and NE.
50.00	Begin ascent of gentle S. slope, with heavy growth of
	red top.

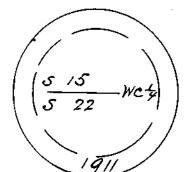
Subdivision of T. 1 S., R. 2 W.

Chains. 52.00 Scattering birch with spruce. 56.00 Slope steeper. 68.00 Slope changes to a slight SM. slope. 74.00 Enter heavier timber, spruce, birch and poplar. Small spur, bears E. and W.; ascend short NE. slope. 76.20 80.00 Enter small drain, course S. 80° E. Set iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with cap marked T 1 S S 15 on NE., R 2 W S 22 on SE., S 21 on SW., and S 16 on NW. quadrant, with 3 notches on S. and 3 notches on E. edges; from which A spruce, 7 ins. diam., bears N. 37º E., 151 1ks. dist., marked T 1 S R 2 W S 15 B T. A poplar, 16 ins. diam., bears S. 33° E., 120 lks. dist., marked T 1 S R 2 W S 22 B T. A birch, 10 ins. diam., bears S. 23° 30' W., 72 1ks. dist., marked T 1 S R 2 W S 21 B T. A spruce, 6 ins. diam., bears N. 52° W., 207 1ks. dist., marked,T 1 S R 2 W S 16 B T. Land, 50.00 chs. level; 30.00 chs. slightly hilly. Soil, 50 chs. sandy, 3rd rate; 30.00 chs. on hilly ground, 2nd and 3rd rate. Timber, spruce, birch and poplar. E. on a random line, bet. secs. 15 and 22. 32.20 Set temp. W.C. for 1 sec. cor. Intersect N. and S. line, 6 1ks. S. of cor. of secs. 14, 80.05 15, 22 and 23 Thence 1 run S. 89° 57' V. on a true line, bet. secs. 15 and 22. Over level ground, through scattering spruce and nossy ground.

Chains. 6.00 Leave spruce, enter swamp, bears N. 70° E. and S. 70° W. 13.00 Leave swamp, enter small spruce, tussocks, bears NE. and SW.

- 34.10 Leave same, enter swampy lake, about 3 ft. deep; has heavy growth of moss on water, bears N. and S.
- 40.00 Point for } sec. cor. falls in swamp; impossible to set post.
- 47.30 Leave moscy swamp; enter small spruce and tamarack, and large tussocks, bears N. 10° N. and 3. 10° W.
- 47.85 Point for W.C. for } sec. cor.

Set an iron pipe, size 1, 24 ins. in the ground, for W.C. for 4 sec. cor. bet. 15 and 22; cap marked as in dia-



gram; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, north of cor.

55.05 Leave tussocks, enter scattering birch, spruce and poplar, with heavy growth of red top grass, bears NE. and SW.
61.93 Leave level land, ascend very steep E. slope.
62.03 Enter bench land, bears N. 25° E. and S. 25° W.

70.13 Leave nearly level bench land, bears N. 30° E. and S.

30° W.; Ascend abrupt SE. slope.

80.05 The cor. of secs. 15, 16, 21 and 22.

Thence I run

Land: 62.00 chs. level, 18 chs. hilly.

Soil, 2nd and 3rd rate; Level land, sandy, 3rd rate; Hilly land, 2nd rate.

Timber, spruce, birch, poplar and tamarack. Heavy layer of moss on level land, red top on hills. August 12, 1911.

At the last cor., August 23, at 8<sup>h</sup> c<sup>m</sup> a.m., l.m.t., I set off 64° 49' N. on lat. arc, and 11° 42' N. on decl. arc, and determine a moridian with the solar.

Chains. N. O' 6' W., bet. secs. 15 and 16.

Ascend SW. slope, through heavy spruce, poplar and birch; heavy growth of red top.

13.06 Spur, bears N. 60° W. and S. 60° E. Then change to NE. slope. Dead timber on NE. slope.

22.00 Small drain, course E., very small rise, then descend NE. slope.

- 22.99 Enter green timber, bears N. 80° E. and S. 30° W.
- 26.50 Drain, course N. 80° E.
- 27.00 Spur, bears N. 80° E. and S. 80° W.; descend NE. slope, timber gets very scattering.
- 37.46 Large drain, course 2.; Ascend to a level bench. No timber.
- 38.50 Brow of bench, bears E. and W.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for <sup>1</sup>/<sub>4</sub>
  sec. cor.; cap marked, S 15 on E. and <sup>1</sup>/<sub>4</sub> S 16 on W.; dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>4</sub> ft. base, 1<sup>1</sup>/<sub>4</sub> ft. high, W. of cor.
- 41.60 Leave bench, bears M. and W.; Descend N. slope.
- 47.00 Large drain, course N. 65° E.; Ascend SE.slope, enter spruce.
- 56.41 At this point, at 9<sup>h</sup> 25<sup>m</sup> a.m., l.m.t., August 23, I observe Polaris at western elongation, lay off the azimuth 2° 46' E., and determine true meridian. A flag on S.
  bdy. of Tp., at cor. of sees. 3, 4, 33 and 34, bears S. 0° 5' E. Continue line,

63.00 Change ascent SW. slope.

74.60 Leave spruce, enter small dead timber, bears 3. and W.

76.96 Edge of flat ridge, bears N. 65° E. and S. 65° W.

80.00 Timber scattering,

Set an iron pipe, size 2, 24 inc. in the ground, for cor.

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89.445

of secs. 9, 10, 15 and 16; cap marked.

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- TISSIC on NE.,
- H 2 V S 15 on SE.,
- S 16 on SW., and
- S 9 on NW. quadrant, with 3 notches on H. and 4 notches on S. edges; dig pits, 18 x 18 x 12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.; From cor.
- A spruce, 6 ins. diam., bears N. 59° E., 65 1ks. dist., marked T 1 S R 2 W S 10 B T.
- A birch, 15 ins. diam., bears S. 85° E., 35 lks. dist., marked T 1 S R 2 W S 15 B T.
- A poplar, 7 ins. diam., bears S. 55° W., 49 lks. dist., marked T 1 S R 2 W S 16 B T.
- A spruce, 8 ins. diam., bears N. 47° W., 112 1ks.dist., marked T 1 S R 2 W S 9 B T.

Land, nountainous.

Soil, 2nd and 3rd rate.

Timber, spruce, birch and poplar; partly dead. Heavy growth of red top grass in dead timber.

E. on a random line, bet. secs. 10 and 15.

- 19.88 At this point, August 23, I set off 11° 38' N. on the decl. arc, and at 12<sup>h</sup> 02<sup>m</sup> 46<sup>s</sup> l.m.t., I observe the sun on the meridian: the resulting lat. is 64° 50' N.
- 40.00 Set temp. cor. for 1 sec. cor.
- 80.04 Intersect N. and S. line, 5 lks. S. of cor. Thence I run S. 89° 58' W., on a true line, bet. secs. 10 and 15.
  - Ascend over nountainous ground, through spruce, birch and aspen.
- 10.04 Ridge bears S. 70° W. and N. 70° W.; nearly level on ridge.

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Chains. 21.26	Leave heavy timber, enter small birch and willow, bears
	NE. and Sw.
22.04	Leave ridge, bears N. 55° E. and S. 55° W.; Descend NW.
	slope.
36.04	Leave birch and willow, enter dead spruce.
40.02	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$
	sec. cor., marked $\frac{1}{4}$ S 10 on N. and S 15 on S. sides;
	dig pits, 18 x 18 x 12 ins., E. and W. of cor.; and
	raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.
	of cor.
	Ascend steep NE. slope.
44,06	Ridge bears N. 70° W. and S. 70° E.
	Descend southern slope.
55.04	Leave dead spruce, enter heavy spruce, poplar and birch.
70.04	Enter level land on ridge, bears N. 72° E. and B. 72° W.
75.04	Leave green timber, enter timber partly dead, bears NE.
	and SW.
80.04	The cor. of secs. 9, 10, 15 and 16.
	Land, nearly all level on a high ridge, but slopes off
	to both sides of ridge very abruptly.
	Soil, 2nd and 3rd rate.
	Timber, spruce, poplar and birch.
_	August 23, 1 <b>911</b> .
•	N. 0° 6' W., bet. sees. 9 and 10.
2.00	Leave level land of ridge, bears N. and W.; Descend
	steep N. slope.
37.35	Enter flat of Gripple Greek, bears M. and W.; few scat-
	tering spruce and large stones.
38.40	Right bank of Cripple Creek.
38.92	Left bank of same, 4 ft. deep, course N. 85° E.; Bank
	6 ft. high with small spruce.
	Thence across large tussocks.
40.00	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$

- Chains. sec. cor.; cap marked, S 10 on E. and 1 S 9 on W. Bides; dig pits, 13 x 18 x 12 ins., 3 ft. dist. N. and S. of cor.; and raise a mound of earth, 3 ft. base, 1 ft. high, W. of cor.
  - 44.35 Grassy slough with tussocks, 25 lks. wide, 3 ft. deep, bears E. and W.
  - 50.70 At this point, cor. No. 4 of Min. Survey No. 354, of No.
    6 Below Cripple Creek, which is an iron pipe 3 ins.
    diam., marked 3 354 cor No 4 on side next to claim,
    bears N. 87° M., 8.32 chs.
  - 53.69 Telephone line from Fairbanks to Ester, bears N. 88° E. and S. 88° W.
  - 54.35 Begin ascent of S. clope, small spruce and birch.
  - 60.40 Mining ditch, 6 ft. wide, 2 ft. deep, whiter clear, course N. 50° E.; timber gone.
  - 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor.

of secs. 3, 4, 9 and 10; with cap marked

T 1 5 5 3 on NR.,

R 2 W 5 10 on SE.,

S 9 on SW., and

5 4 on NW. quadrant, with 3 notches on E. and 5 notches on 5. edges; dig pits, 15 x 18 x 12 ins., one in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, hilly.

Soil, 2nd and 3rd rate.

Timber, spruce, birch and poplar.

September 9, 1911.

September 12: At last cor., at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 51' N. on the lat. arc, 4° 28' N. on the decl. arc, and determine a meridian with the solar.

Thence I run

E. on a random line, bet. secs. 3 and 10.

Chaine. 40.00	bet temp. 1 sec. cor.
80.04	Intersect N. and S. line, 2 1ks. S. of cor. of secs. 2,
	3, 10 and 11.
	Thence I run
	S. 89° 59' W. on a true line
	Over level ground, through tussocks.
4.07	Right bank of Cripple Creek.
4,61	Left bank of same, 8 ft. high, about 4 ft. deep, course
	N. 35° E. in spruce, thence over tussocks and brush.
32.80	Telephone line from Fairbanks to Ester bears S. 60° W.
	and N. 60° E.; Slight ascent east.
40.02	Set an iron pipe, size 1, 24 ins. in the ground, for 2
	sec. cor.; cap marked, 2 S 3 on N. and S 10 on S.; dig
	pits, 18 x 18 x 12 ins., $\mathbb{E}$ . and $\mathbb{V}$ . of cor. 3 ft. dist.;
	and raise a mound of earth, 3g ft. base, 1g ft. high,
	N. of cor.
55.46	Wining ditch, dry, course N. 42° E.
60.13	Old road, bears S. 35° W. and N. 35° E.
63 <b>.39</b>	Old road, bears S. 20° W. and N. 20° S.; Thin timber,
	heavy growth of red top.
80,04	The cor. of secs. 3, 4, 9 and 10.
	Land, level and hilly; about 33.00 chs. level.
	Soil, sandy; 3rd rate.
	Timber, thin epruce and birch, with willow bruch.
•	At last cor., September 12, I set off 4° 23' N. on the decl. arc, and at 11 <sup>h</sup> 57 <sup>m</sup> a.m., l.m.t., I observe the
	sun on the meridian: the resulting lat. is 64951' N.
	Thence I run
	N. 0° 6' W. on a true line, bet. secs. 3 and 4.
	Ascend southern slope, through heavy growth of grass.
	No timber.
16.78	Hoad from Fairbanks to Mater, bears N. 65° E. and S. 65°
	W. along ridge

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Chains.

- 21.73 Descend N. slope, through thick growth of small spruce and birch.
- 31.71 Enter dead spruce with willows and tussocks, bears NE. and SW.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for \$ sec. cor.; cap marked, S 3 m B. and \$ S 4 on W.; dig pits, 13 x 13 x 12 ins., 3 ft. dist. N. and B. of cor.; and raise a mound of earth, 3\$ ft. base, 1\$ ft. high, W. of cor.
  - 47.00 Enter drain, course N. 85° E.; ground low and swampy with tussocks.
  - 60.68 Small drain in swampy ground, course N. 85° E.
  - 77.95 Small lake, bears N. 85° E., about 6 cas.
  - BO.OC Intersect N. bdy. of Tp., 6.19 chs. E. of standard cor. of socs. 33 and 34 of T. 1 N., B. 2 W., which is a spruce post properly marked by the Geological Survey. At intersection, 1 set an iron pipe, size 3, 24 ins. in

NRZW

the ground, for closing cor. of secs. 3 and 4, marked as shown in this diagram.

Land, level and mountainous. Soil, 2nd and 3rd rate. Timber, small spruce, birch and willows.

September 12, 1911.

As the sec. cor. of secs. 4, 5, 32 and 33 fell in Tanana River, the line bet. secs. 32 and 33 was run on offset. At a point on S. bdy. of sec. 33, 65.06 chs. from cor. of secs. 3, 4, 33 and 34, I turn an angle due N., and set a flag on line on a sand bar in river. From the flag Chains.

on sond bar I measure a base W., 7.73 chs.; from W. end West 773 of base, a flag at starting point bears S. 13° 53' Z.; this is the longest base that could be measured. Dist. is cot. 18° 53' x base, or 2.9235 x 7.73, equals 22.59 chs. This is the some dist. that was used as a base line on a triangulation made to get dist. across river for S. bdy.; 22.59

is the dist. to sand bar from secant. This is an off set line, 14.94 chs. E. of cor. of secs. 4, 5, 32 and 33.

22.51 S. bank of sand bar, bears S. 30° W. and N. 30° E. Thence across sand bar.

26.59 N. bank of sand bar, bears S. 30° W. and N. 30° E. 28.69 S. bank of small island, 6 ft. high, bears S. 28° W. and

N. 28° E.; Enter cottonwood, alder and willow. 38.05 N. bank of island, bears S. 60° W. and N. 60° E. 42.94 Across deep channel to S. bank of island, 4 ft. high,

bears S. 56° W. and N. 56° X.

Thence W. through thick alder willow.

At 8.94 leave island at NE. bank, bears S. 46° W. and N. 46° E.; low sandy sloping bank.

From this point I take stadia reading across channel to right bank of river; mean of two readings on the rod, 3 ft., or equal to a dist. of 6.00 chs. Total dist. is 8.94 + 6.00 chs. = 14.94 chs. In order to locate point on true line bet. secs. 32 and 33, this offset should be measured 10 lks. W., because the offset was measured N. instead of N. 0° 8' W.

42.94 Right bank of Tanana Liver, 3 ft. aigh.

Set an iron pipe, size 2, 24 ins. in the ground, for meander cor. of frac. secs. 32 and 33; cap marked

🐹 C on S.,

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Chains.	2 1 S on N.,
	R 2 V 5 32 on NW., and
	2 33 on NW. quadrant, with 4 notches on E. edge:
	dig pit, 36 x 36 x 12 ins., 8 ft. N. of cor.;
	and raise a nound of earth, 4 ft. base, 2 ft.
	high, bet. pit and cor.
	August 3: At 10 <sup>h</sup> 0 <sup>m</sup> a.m., 1.m.t., 1 set off 64° 47* N.
	on the lat. arc, and 17° 41' N. on the decl. arc; and
	determine a meridian with the solar, at last meander
	cor.
, .	Thence I run
, ·	N. 0° 8' W., bet. secs. 32 and 33.
	Over level ground, through thick alder and willow.
44.00	Base of nill, bears E. and W.; Ascend steep N. slope.
44.60	Enter potato patch, bears $\mathbb{R}_{*}$ and $\mathbb{V}_{*}$ , on S. slope of hill.
45.50	Leave same, bears I. and W.; enter large spruce, poplar
	and birch.
63.00	U.S. Telegraph Line, bears N. 72° E. and S. 72° W.
64.87	Birch timber is heavier.
7 <b>7.</b> 00	Ridge, bears NE. and SW.
77.75	Descend N. slope.
80.00	Set an iron pipe, size 2, 24 ins. in the ground, for cor.
	of secs. 28, 29, 32 and 33; with cap marked
	T 1 S S 28 on NB.,
	R 2 % S 33 on SE.,
	8 32 on SW., and
	5 29 on NW. quadrant, with 4 notches on B. and 1
	notch on S. edges; from which
	A birch, S ins.diam., bears N. 18° 30' E., 16 1ks.
	dist., marked T 1 S R 2 W S 28 B T.
	A birch, 12 ins. diam., bears 3. 16° 30' 2., 23 1ks.,
	dist., marked T 1 S R 2 W S 33 B T.
	A birch, 8 ins. diam., bears 5. 68° 45' W., 27 1ks.
	dist., marked T 1 8 A 2 9 8 32 B T.

Chains. A birch, 10 ins. diam., bears N. 17° 50' W., 25 lks. dist., nurked T 1 S R 2 W S 29 B T.

> At this cor., August 3, 5 set off 17° 40' N. on the decl. arc and at 12 06 m 05° l.n.t., I observe the sum on the meridian: the resulting lat. is 64° 475' N.

Land, level and mountainous.

Soil, 2nd and 3rd rate; level land, sandy, 3rd rate - mountainous land 2nd and 3rd rate.

Timber, birch, poplar and spruce, alder and willow.

- On account of the cor. of secs. 27, 28, 33 and 34 falling in the Tanana River, I run
- S. 89° 58' H. on a true line, bet. secs. 28 and 33, parallel to the S. bdy. of the Tp.
- Along a northern slope, through heavy birch, poplar and spruce.
- 14.40 Small draw, course N. 10º W.
- 27.90 Small draw, course M. 20° W.; Ascend DW. slope.
- 30.70 Ridge bears NE. and SW; thence along ridge on gentle SE. slope.
- 35.85 A large spur bears SE. from ridge; Descent changes to steep NE. slope, Leave timber.
- 39.58 U.S. telegraph line, bears N. 60° S. and S. 60° W.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked ‡ 5 28 on N. and 8 33 on S. side; dig pits, 18 x 18 x 12 ins., 3 ft. dist., S. and W. of cor.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
  - I. W. Sigsbee's house bears S. about 10.00 chs. Thence I descend steep rocky N.S. slope
- 45.70 Very abrupt castern slope.
- 47.36 Road to E.W.Sigsbee's house.
- 48.01 Intersect W. bdy. of Chena townsite.

of frac1. secs. 28 and 33; cap marked as shown in diagram; dig pits, 30 x 24 x 12 ins., 3 ft. dist. N. 20° 56' W. and S. 20° 56' E. of cor. and 7 ft. dist. W. of cor.; and raise a mound of

earth and stone, 4 ft. base, 2 ft. high, bet. cor. and pit to the W.

From this C.C. a M.C. which is cor. No. 1 of Chena townsite - a stone marked cor 1 H C, bears S. 20° 56' N., 26 1ks. dist.

Land, mountainous.

Soil, 2nd and 4th rate - Last 8 chs. rocky.

Timber, birch, poplar and spruce.

August 3, 1911.

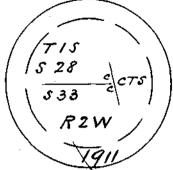
From last sec. cor. set, I run N. 0° 8' W., bet. secs. 28 and 29. Descend gentle N. slope, through heavy birch, poplar and spruce.

- 10.20 Drain, course R. 50° E. Ascend S. slope.
- 11.20 Small spur, bears N. 50° 2. and S. 50° W. Descend N. slope.
- 14.38 Small drain, course N. 8º E. Ascend SE. slope.
- 15.38 Small spur, bears N. 65° E. and S. 65° W. Descend N. slope.
- 17.38 Small drain, course N. 85° E.

18.38 Ascend abrupt S. slope.

18.88 Small spur, bears E. and W.

At this point, August 4, at 10<sup>h</sup> 0<sup>m</sup> a.m., 1.m.t., I set off 64° 48' N. on the lat. arc, and 17° 25' N. on the decl. arc; and determine a meridian with the solar.



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Chains. Descend N. slope.	
23.50 Small draw, course N. 80° E.	
Ascend S. slope.	
24.37 Spur, bears N. 75° E. and S. 75° W.	
Ascend NE. slope.	
32.06 Spur, bears NE. and SW.	
Descend SW. slope.	
36,00 Small draw, course N. 60° E.	
39.00 Little spur, bears NE. and S%.	
40.00 Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{2}$ sec.	
cor.; cap marked, S 28 on E. and $\frac{1}{2}$ S 29 on W.; from	
which	
A birch, 10 ins. diam., bears N. 45° E., 34 lks. dist.,	
marked 🛓 S 28 B T.	
A birch, 5 ins. diam., bears S. 38° W., 32 lks. dist.,	
marked 🕇 5 29 B T.	
Descend S. slope.	
42.37 Drain, course N. 80° E.	
Ascend S. elope.	
50.33 Spur bears N. 75° E. and S. 75° W.	
51.60 Small drain, course S. 63° E.	
Ascend S. slope,	
61.17 Spur, bears E. and W.	
62.17 Small draw, course E. and W.	
Ascend S. slope.	
70.39 Hidge, bears E. and W.	
Descend gentle NE. slope.	
80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor.	
of secs. 20, 21, 28 and 29; with cap marked	
T 1 S S 21 on NE.,	
$R 2 \forall S 28 on S R.,$	
S 29 on SW., and S 20 on NW. quadrant, with 4 notches on E. and 2	
notches on S.; from which	

A birch, 15 ins. diam., bears N. 41º E., 25 lks. dist.,

Chains.

marked T 1 S R 2 W 8 21 B T.

- A spruce, 8 ins. diam., bears S. 32° 30' E., 78 lks. dist., marked T 1 S R 2 W S 28 B T.
- A birch, 12 ins. diam., bears S. 22° W., 39 lks. dist., marked T 1 S R 2 W S 29 B T.
- A birch, 14 ins. diam., bears N. 37° W., 18 lks. dist., marked T 1 S R 2 W S 20 B T.

At this cor., Aug. 4, I set off 17° 23' N. on the decl. arc, and at 12<sup>h</sup> 06<sup>m</sup> l.m.t., observe the sun on the meridian: the resulting lat. is 64° 48' N.

Land, mountainous; the mile is along the eastern slope of Chena Mountain, cut up by many draws and spurs.

Soil, 2nd and 3rd rate.

Timber, birch, poplar, spruce, alder and willow.

E. on a random line, bet. secs. 21 and 28.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. and S. line at cor. of secs. 21, 22, 27 and 28.

Thence 1 run

W. on a true line, bet.secs. 21 and 28.

Over level ground, through thin timber, brush and tussocks.

5.00 Enter thick tussocks and birch brush, bears N. and S.

- 15.00 Leave same, enter thin birch, alder and willows, bears N. and S.
- 22.50 Leave same, enter grassy swamp, bears H. 50° E. and S. 50° W.
- 27.20 Leave swamp, enter brush and tussocks, bears N. 26° W. and 5. 26° E.
- 29.10 U.S. Road from Chena to Ester, bears N. 65° W. and S. 65° E.
- 38.90 Leave alder, birch brush and tussocks, enter small spruce and birch, bears N. 10° W. and S. 10° E.

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Chains 40.90	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{2}$
	sec. cor.; cap marked, $\frac{1}{2}$ S 21 on N. and S 28 on S.; from
	which
	A birch, 8 ins. diam., bears S. 34° %., 32 lks. dist.,
	marked $\frac{1}{4}$ S 28 B T.
	A birch, 10 ins. diam., bears N. 42° 30' W., 30 lks.
<b>4 4 - - -</b>	dist., marked ‡ S 21 B T.
44.00	Timber mostly doad.
46.00	Timber dead, with heavy growth of red top.
62.00	Base of nountain, bears N. 30° E. and S. 30° W.
	Ascend steep eastern slope.
63.40	Wood road, bears N. 20° W. and S. 20° E.
64.00	Enter heavy poplar, birch and spruce, bears ME. and SW.
65.25	Cabin, bears E., about 50 lks.
65.70	Small ridge, bears NE. and SW.; Descend.
<b>67.1</b> 0	Drain, course 5. 62° E.
	Ascend steep eastern slope.
	Spur, bears S. 30° W. and N. 30° E.
	Ascend gradual NE. slope.
80.00	Cor. of secs. 20, 21, 28 and 29.
	Land, level 62 chains.
	Soil, 2nd and 3rd rate; level land, sandy; 3rd rate.
	Timber, poplar, birch and spruce, alder and willow.
-	August 4, 1911.

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N. Qº 8' W. bet. secs, 20 and 21.

Through birch, spruce and poplar; Descend NE. slope.
6.00 Small drain, course E.; thence in small creek bottom.
8.00 Creek, course E., about 2 lks. wide, 6 ins. deep, clear cool water in moss. Timber dead and scattering, bears E. and W.; thence gentle NE. slope.

15.66 Abrupt descent of ME. slope.

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19.00 Small creek, 2 lks. wide, 8 ins. deep, course N. 73° E., clear water; Ascend steep S. slope of Chena ridge.

Chains. 23.30 Leave dead timber, enter heavy birch and spruce, bears E.
and W.
25.88 Small spur, bears SE. and NW.
Descend NE. slope.
Small drain, course E.
Ascend S. slope.
30.87 Thin birch and poplar.
August 20, at 9 <sup>h</sup> a.m., 1.m.t., I set off 64° 48' 30" N.
on the lat. arc, 12° 40' N, on the decl. arc, and deter-
mine a meridian with the solar at this point.
40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡
sec. cor.; cap marked S 21 on M. and ‡ S 20 on W.; dig
pits, 18 x 18 x 12 ins., N. and S. or cor. 3 ft. dist.;
and raise a mound of earth, $3_3$ ft. base, $1\frac{1}{2}$ ft. high,
W. of cor.; From cor
A spruce, 8 ins.diam., bears N. 64° W., 19 1ks. dist.,
marked 🗼 5 20 B T.
A spruce, 6 ins.diam., bears S. 84° E., 30 lks. dist.,
marked ‡ S 21 B T.
64.39 U.S. Hoad from Chena to Ester, bears N. 28° W. and S.
28° E.
80.00 On ridge, bearing NE. and SW.
Set an iron pipe, size 2, 24 ins. in the ground, for cor.
of secs. 16, 17, 20 and 21; with cap marked
T 1 S S 16 on NE.,
E 2 V S 21 on SE.,
5 20 on 3W., and
S 17 on NW. guadrant, with 4 notches on E. and 3
notches on S. edges; dig pits, 18 x 18 x 12 ins.,
5g ft. dist. in each sec.; and raise a mound of
earth, 4 ft. base, 2 ft. high, W. of cor.; from
oor.
A spruce, 6 ins. diam., bears S. 37° S., 82 lks. dist.,

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Chaina marked T 1 S R 2 W S 21 B T.

- A birch, 8 ins. diam., bears S. 9° W., 121 1ks. dist., marked T 1 S R 2 W S 20 B T.
  - A birch, 7 ins. dian., bears N. 62° W., 163 lks. dist., marked T 1 S R 2 W S 17 B T.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, birch, poplar and spruce.

H. on a random line, bet. secs. 16 and 21.

- 27.51 Aug. 20; Here I set off 12° 37' N. on the decl. arc, and at 12<sup>h</sup> 03<sup>m</sup> l.m.t., observe the sun on the meridian: the resulting lat. is 64° 49' N.
- 46.00 Set temp. 2 sec. cor.
- 79.96 Intersect N. and S. line, 5 lks. S. of cor. of secs. 15, 16, 21 and 22

Thence I run

5. 89° 58' W. on a true line, bet. secs. 16 and 21.

Over mountainous ground, through birch, poplar and spruce; Ascend gentle NE. slope.

- 6.66 Ridge, bears NW. and SE.; Descend
- 6.96 Drain, course SE.; Ascend M. slope.
- 8.96 Descend steep 3%. slope.
- 9.30 Small drain, course SE.; Ascend very steep NE. slope.
- 12.15 Slope more gradual.
- 30.56 Ridge, bears S. 15° E. and S. 15° W.; Descend steep SW. slope.
- 39.98 Set an iron pipe, size 1, 24 ins. in the ground, for <sup>1</sup>/<sub>4</sub> sec. cor.; cap marked <sup>1</sup>/<sub>4</sub> S 16 on N. and S 21 on S.; dig pits, 18 x 18 x 12 ins., 3. and 3. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>3</sub> ft. high, N. of cor.; From cor.

A spruce, 6 ins. diam., bears S. 54° W., 37 lks. dist.,

- Chains. marked 1 S 21 B T.
  - A spruce, 12 ins. diam., bears N. 1° W., 51 1ks. dist., marked  $\frac{1}{4}$  S 16 B T.
- 47.50 Large drain, course S. 15° B.; Leave large green timber, enter heavy dead spruce.

Ascend steep E. slope; heavy growth of red top.

- 75.22 Leave dead timber, enter thin timber.
- 75.96 Level land on ridge bears NE. and SW.
- 79.96 The cor. of secs. 16, 17, 20 and 21.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, birch, poplar and spruce.

August 20, 1911.

Sept. 9, at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 49' N. on the lat. arc, and 5° 36' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs. 16, 17, 20 and 21.

Thence I run

N. 0° 8' W., bet. secs. 16 and 17.

Over level ground on ridge, with thin birch.

- 15.00 Descend gradual northern slope.
- 24.90 Slope steeper.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked S 16 on E. and ‡ S 17 on W.; dig pits, 18 x 13 x 12 inc., N. and S. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, W. of cor.
- 54.60 Drain, course, NW.

Ascend steep SW. slope.

- 59.70 Change to descent of N. slope; few birch and spruce,
- 69.54 Base of hill, bears S. 80° E. and N. 80° E.; thence over tussocks, through dead spruce.
- 74.28 Hight bank of Cripple Creek, 36 lks. wide, about 3 ft.

Chains. deep, course N. 70° R.; large spruce on banks. 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17; with cap marked T 1 5 5 9 on NE., R 2 V S 16 on SE., S 17 on SW., and S 8 on NW. quadrant, with 4 notches on E. and 4 notches on S. edges; dig pits, 18 x 18 x 12 ins., in each sec. 52 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.; from cor. A spruce, 7 ins. diam., bears N. 56° E., 265 lks. dist., marked T 1 S R 2 W S 9 B T. A spruce, 6 ins. diam., bears S. 54° E., 426 lks. dist., marked T 1 S R 2 W S 16 B T. A spruce, 6 ins. diam., bears N. 11º W., 66 1ks. dist., marked T 1 S R 2 W S8 B T. Land, level and mountainous. Soil, 2nd and 3rd rate. Timber, very thin birch and spruce. East on a random line, bet. secs. 9 and 16. 40.00 Set temp. 1 sec. cor., and Sept. 9. I set off 5° 31' N. on the decl. arc, and at 11<sup>h</sup> 57<sup>m</sup> 37<sup>s</sup>, observe the sun on the meridian: the resulting lat. is 64° 50' N. Intersect N. and S. line, 10 lks. N. of cor. of secs. 79.98 9, 10, 15 and 16. Thence I run N. 89° 56' W. on a true line, bet. secs. 9 and 16.

Over hilly ground, through scattering birch and spruce; Descend NW. slope.

8.62 Slope becomes steep.

26.98 Large drain, course N. 10° W., alder and willow in drain;

\$ 22.8 8

- Chains. Ascend steep NE. slope.
  - 36.64 Descend gradual NW. slope.
  - 39.99 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked ‡ S 9 on N. and S 16 on S.; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.; From cor.
    - A birch, 8 ins. diam., bears 3. 49° S., 148 lks. dist., marked 1 5 16 B T.
  - 55.20 Small draw, course N. 33° W.; NW. slope slight.
  - 64.98 Enter level ground, over tussocks and through small spruce.
  - 72.68 Right bank of Cripple Creek, 43 lks. wide, 3 ft. deep;

Large spruce on banks, course N. 78° E.

79.98 The cor. of zecs. 8, 9, 16 and 17.

Land, hilly and level; Level land covered with large tussocks.

Soil, 2nd and 3rd rate.

Timber, thin spruce and birch.

September 9, 1911.

Sept. 13, at 3<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., at last cor. I set off 64° 50' N. on the lat. arc, and 4° 05' N. on the decl. arc; and determine a meridian with the colar. Thence i run

N. 0º 8' W., bet. secs. 8 and 9.

Over level ground with tussocks in thin spruce.

- 15.00 Enter birch brush; Ascend S. slope, bears E. and W.
- 18.73 Mining ditch, 10 lks. wide, 1 ft. deep, course N. 32° E.
- 28.80 Old road bears S. 72° H. and N. 72° W.
- 30.00 Low ridge bet. Ester Creek and Alder Creek, bears S. 85° W. and N. 85° E.
- 35.94 From this point, the SW. cor of mining claims No. 7 Below on Ester Creek, also cor. 1 of S. 353, which is an iron pipe, 3 ins. in diam., 1-2 ft. out of ground,

Subdivision of T. 1 S. R. 2 W.

- Chains. marked cor 1 S 353, on side next to claim, bears N. 85° 53' E., 14.86 chs.
- 36.91 Dry mining ditch, 4 lks. wide, 1 ft. deep, bears S. 70° E. and N. 70° %.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡
  sec. cor.; cap marked, S 9 on E. and ‡ S 8 on W.; dig
  pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.;
  and raise a mound of earth, 3½ ft. base, 1½ ft. high,
  W. of cor.
- 43.00 Ester Creek,  $1\frac{1}{2}$  ft. deep, 8 lks. wide, Course S. 44° E. 50.00 Enter small spruce, bears E. and W.
- 51.80 Telephone line from Ester to Fairbanks, bears N. 84° E. and S. 84° W.
- 52.14 U.S. Government Hoad, Fairbanks to Ester, bears N. 82° M. and S. 82° W.
- 55.00 Dry mining ditch, 5 lks. wide, 1 ft. deep, course N. 82° E.; Ascend gentle 5. slope; Timber thin and partly dead on 5. slope; Heavy growth of red top.
- 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9; with cap marked
  - TIS S4 on NE.
  - R 2 W S 9 on SM.,
  - S 8 on SW., and
  - S 5 on NW. quadrant, with 4 notches on E. and 5 notches on S. edges; dig pits, 18 x 18 x 12 ins., in each sec., 5<sup>1</sup>/<sub>2</sub> ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level and hilly.

Soil, 2nd and 3rd rate.

Timber, mostly dead.

E. on a random line bet. secs. 4 and 9.

26.00 At this point, Sept. 13, I set off 4° 0' N. on the decl.

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Chaina	arc, and at 11 <sup>h</sup> 56 <sup>m</sup> 18 <sup>s</sup> 1.m.t., I observe the sun on the
	meridian: the resulting lat. is 64° 51' N.
40.00	Set temp. ‡ sec. cor.
	Intersect N. and S. line at the cor. of secs. 3, 4, 9 and
	10.
	Thence I run
	W. on a true line, bet: secs. 4 and 9; Ascent in heavy
	growth of red top, no timber.
9,88	Decend gredual SW. slope in dead spruce.
	U.S. Gov't Road from Ester to Fairbanks, bears N. 62° E.
	and S. 62° W.
29.88	Small draw, course SE.; Ascend along southern slope of
	left limit bench of Ester Creeks
39.94	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$
	sec. cor.; cap marked \$ S 4 on N. and S 9 on S.; dig
	pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.;
	and raise a mound of earth, 32 ft. base, 12 ft. high,
	h. of cor.
46,80	Old road, bears N. 5° E. and S. 5° W.
69.12	Here, the SW. cor. of Hollvin Association, which is a
	wooden stake, 3 ins. sq., 5 ft. high, bears N. 882° E.,
	about 4 chs. Not surveyed.
79.88	The cor. of secs. 4, 5, 8 and 9.
	Land, hilly.
	Soil, 2nd and 3rd rate.
	Timber has been all burned.
	N. 0° 8' W. on $\otimes$ true line, bet. secs. 4 and 5.
	Ascend gentle S. slope, through heavy growth of red top
	and dead brush.
40.00	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$

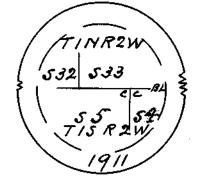
10.00 Set an iron pipe, size 1, 24 ins. In the ground, for t sec. cor.; cap marked, S 4 on E. and 1 S 5 on W.; dig pits, 18 x 18 x 12 ins. N. and S. of cor., 3 ft. dist.; and ratise a mound of earth, 3g ft. base, 1g ft. high, 131.873

Subdivision of T. 1 8. R. 2 W.

Chains. W. of cor.

46.56 Begin steep ascent of S. slope.

- 53.65 Small drain, course S. 55° E.; Ascend steep S. slope, Few trees.
- 79.90 Intersect the N. bdy. of Tp., 603 lks. E. of standard cor. of secs. 32 and 33 of T. 1 H., R. 2 W, a spruce post set and marked in survey of exteriors by U.S. Geological Survey.
  - At intersection, I set an iron pipe, size 3, 24 ins. in



the ground, for closing cor., marked as shown in diagram.

Land, mountainous. Soil, 3rd rate. Timber, dead and poor.

September 13, 1911.

From cor. of secs. 5, 6, 31 and 32 on S. bdy., I run N. 0° 10' W., bet. secs. 31 and 32. Over hilly ground, through burned timber. Ascend steep SE. slope.

10.70 Ridge, bears E. and W.; Descend steep NE. slope.

- 22.40 Large drain, course S. 66° E., Ascend SE. slope; Enter heavy spruce, birch and poplar.
- 26.66 Small spur, bears N. 50° W. and S. 50° E.; Descend steep N. slope.
- 27.80 Small drain, course S. 75° E.; Ascend SE. slope. 32.69 Spur, bears NW. and SE., Descend NE. slope. 33.90 Small drain, course SE.; Ascend SW. slope.
- 37.70 Small spur, bears N. 65° #. and S. 65° E.; Descend N. slope.

39.00 Small drain, course S. 65° E.; Ascend S. slope. 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$ 

- Chains. sec. cor.; cap marked S 32 on B. and  $\frac{1}{4}$  S 31 on W.; from
  - which

A spruce, 8 ins. diam., bears M. 14º E., 50 lks. dist.,

marked ‡ S 32 B T.

- A spruce, 6 ins. diam., bears N. 26° W., 41 lks. dist., marked 1 8 31 3 T.
- August 7, at 10<sup>h</sup> 0<sup>m</sup> a.m., 1.m.t., I set off 64° 47' N. on the lat. arc and 16° 36' N. on the decl. arc, and determine a moridian with the solar.
- Spur, bears E. and W.; thence descend N. slope. 50.10
- 53.70 Drain, course E.

4.3

- Small spur, bears N. 85° E. and S. 85° W.; Ascend SE. 55.32 slope.
- Small drain, bears N. 74º E.; Ascend SE. slope. 62.59
- 69.87 Change ascent to S. slope, very steep.
- Small spar, bears N. 85° M. and S. 85° W. 73.37
- Small drain, course N. 83° E.; thence ascend SE. slope. 75.00
- 79.35 Spur, E. and W.; steep descent NE. slope.
- Set an iron pipe, size 2, 24 ins. in the ground, for cor. 80.00

of secs. 29, 30, 31 and 32; with cap marked

- T 1 S S 29 on NE.,
- R 2 W S 32 on SE.
- S 31 on SW., and
- S 30 on NW. quadrant, with 5 notches on M. and 1 notch on B. edges; from which
- A spruce, 10 ins. diam., bears N. 62º E., 78 lks. dist., marked 2 1 8 H 2 W S 29 B T.
- A spruce, 12 ins. diam., bears 3. 12° E., 39 lks. dist., marked T 1 S R 2 W S 32 B T.
- A spruce, 8 ins. diam., bears S. 59° W., 26 lks. dist., marked T 1 S R 2 W S 31 B T.
- A birch, 15 ins. diam., bears N. 26º W., 56 lks. dist., marked T 1 S H 2 W S 30 B T.

70 Subdivision of T. 1 S., R. 2 W Chains.Land, mountainous. Soil, 2nd and 3rd rate. Timber, spruce, birch and poplar. Aug. 7, I set off 16° 34' N. on the decl. arc. and at 12<sup>h</sup> 05<sup>m</sup> 43<sup>8</sup> l.m.t., I observe the sun on the meridian: the resulting lat. is 64° 48' N. Rain prevented further work this day. August 7, 1911. E. on a random line, bet. secs. 29 and 32. 40.00 Set temp. 🛓 sec. cor. 80.00 Intersect the N. and S. line, 5 lks N. of cor. of secs. 28, 29, 32 and 33. Thence I run N. 89° 58' W. on a true line, bet. secs. 29 and 32. Over hilly ground, through heavy spruce and birch; Ascend NE. Slope. 3.00 Ridge, bears N. 62° W. and S. 62° E. Descend gentle SW. slope. 14.90 Small drain, course S. 40° g. Ascend NE. slope. 16.16 Spur, bears N. 30° E. and S. 30° W. Descend steep W. slope. 17.90 Drain, course 8. 34° W. Ascend short SE. slope. 19.12 Spur, bears N. 5° E. and S. 5° W. 21.60 Drain, course S. 5° W. Ascend short NE. slope. 22.92 Spur, bears N. and S. Descend SW. slope. At this point, August 9, at 9<sup>h</sup> On a.m., 1.m.t., I set off 64° 472' N. on the lat. are and 16° 03' N. on the decl.

arc; and determine a meridian with the solar.

27.20 Drain, course SW.

130.00

<u>Subdivision of T. 1 S., R. 2 W.</u>

- Chains. Ascend SE. slope.
- 23.80 Spur, bears NN. and SW. Descend NN. slope.
- 37.10 Drain, course S. 17° W. A scend SN. slope.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor.; cap marked,  $\frac{1}{2}$  S 29 on N. and S 32 on S.; from which
  - A spruce, 8 ins. diam., bears S.  $13\frac{1}{8}^{\circ}$  W., 61 lks. dist., marked  $\frac{1}{4}$  S 32 B T.
  - A spruce, 16 ins. diam., bears N. 71° W., 30 lks. dist., marked  $\frac{1}{4}$  S 29 B T.
- 44.00 Ascent changes to SE. slope
- 59.63 Ridge, bears N. 10° E. and S. 10° W. Descend SV. slope.
- 68.55 Change to abrupt SW. slope. Large drain, course S. 44° E. Ascend steep NE. slope.
- 80.00 The cor. of secs. 29, 30, 31 and 32. Land, mountainous. Soil, 2nd and 3rd rate. Timber, spruce and birch.
  - August 9: At last cor., I set off 16° Ol' N. on the decl. arc, and at 12<sup>h</sup> 05<sup>m</sup> 28<sup>9</sup> l.m.t., I observe the sun on the meridian: the resulting lat. is 64° 48' N.

Thence I run

W. on a random line, bet. secs. 30 and 31.

- 40.00 Set temp. 1 sec. cor.
- 75.01 Intersect 7. bdy. of Tp. 5 lks. S. of cor. of secs. 25, 30, 31 and 36, which is a spruce post, properly marked in U.S. Geological Survey, and witnessed by four spruce bearing trees

Thence I run

Ext 13-3

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Subdivision of T. 1 S., R. 2 W.

- Chains. S. 39° 58° 5. on a true line, bet. secs. 30 and 31. Over mountainous ground, through spruce, birch and poplar. Ascend steep SW. slope.
- 15.10 Spur, bears N. 20° E. and S. 20° W. ; Descend gentle SE. slope.
- 19.62 Draw, course SW.; Ascend SW. slope.
- -- -- Spur, bears N. 30° H. and S. 30° W.
- 25.10 Ascend steep SW. slope.
- 35.01 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor.; marked  $\frac{1}{4}$  S 30 on N. and S 31 on S.; from which
  - A birch, 12 ins. diam., bears N. 2° W., 41 lks. dist., marked  $\frac{1}{6}$  S 30 B T.
  - A birch, 12 ins. diam., bears S. 58° W., 14 1ks. dist., marked 2 8 31 B T.
- 42.60 Ridge, bears N. 22° E. and S. 22° W.
  - Leave timber, enter heavy growth of red top grass and few spruce and birch, bears N. and S.

Descend steep eastern slope.

- 73.10 Descent changes to very abrupt NE. slope; Enter timber, bears NE. and SW.
- 75.01 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, birch, spruce and poplar.

August 9, 1911.

At last cor., Aug. 19, at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 47<sup>1</sup>/<sub>8</sub>' N. on the lat. arc and 13° 01' N. on the decl. arc, and determine a meridian with the solar. Thence I run

N. 0º 10' W., bet. secs. 29 and 30.

Over hilly ground, through birch, spruce, poplar and few tamarack; Descend steep NE. slope.

1.00 Large drain, course S. 83º E.; Ascend steep S. slope of

Chains. Chena Mountain.

36.00 Timber, dead and partly cut off, bears Z. and W.

- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, marked
  S 29 on E. and t S 30 on W., for t sec. cor.; dig pits,
  18 x 18 x 12 ins., N. and S. of cor 3 ft. dist.; and
  raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, W.
  of cor.
- 44.36 Leave dead timber, enter thin dead spruce and birch, bears NE. and SW.

47.96 Ridge bears N. 78° E. and S. 78° W.

- From this point, the signal put up by the Geological Survey in 1910, on Chena Mountain, bears N. 78° 20' E., 4.34 chs.
- 49.96 Descend N. slope of Chena Mountain, through small dead spruce.
- 73.39 Base of Chena Mountain, bears B. and W.; thence on flat ridge.
- 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30; with cap marked

T 1 S S 20 on NE.,

R 2 W S 29 on SR.,

- S 30 on SW., and
- S 19 on NW. quadrant, with 5 notches on E. and 2 notches on S.; dig pits, 18 x 18 x 12 ins., in each sec. 5½ ft. dist.; and ruise a mound of earth, 4 ft. base, 2 ft. nigh, W. of cor.

At this cor., August 19, I set off 12° 58' N. on the decl. arc, and at 12<sup>h</sup> 03<sup>m</sup> l.m.t., I observe the sun on the meridian. The resulting lat. is 64° 48' N.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, birch, spruce, poplar and few tanarack.

E. on a random line, bet secs. 20 and 29. 40.00 Set temp. } sec. cor.

Chains. 79.89	Intersect N. and S. line at cor. of secs. 20, 21, 28 and
	29.
	Thence I run
	W. on a true line, bet. secs. 20 and 29.
	Ascend gradual SE. slope, in birch and spruce.
25.90	Descend gentle N. slope.
39 <b>.</b> 94±	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{4}$
	sec. cor.; cap marked $\frac{1}{4}$ S 20 on N. and S 29 on S.side;
	from which
	A birch, 12 ing. diam., bears N. 64° E., 41 lks. dist.,
	marked ‡ S 20 B T.
	A birch, 14 ins. diam., bears S. 68° E., 82 lks. dist.,
	marked ‡ 5 29 B T.
52.60	Small drain, course N. 40° E.; Ascend SE. slope.
54.42	Small spur, bears NE. and SW.; Descend steep NW. slope.
56.27	Creek, 2 1ks. wide, 8 ins. deep, clear cool water, course
	S. 35° E.; Alder and willow along creek.
	Leave timber, ascend very steep SM. slope in thin birch.
74.12	SE. slope more gradual.
76,59	Enter nearly level land of ridge, bears N. 35° E. and
	8. 35° W.
79.89	The cor. of sees. 19, 20, 29 and 30.
	Lend, mountainous.
	Soil, 2nd and 3rd rate.
	Timber, birch, and spruce, few alder and willow.
	August 19, 1911.
	W. on a random line, bet. secs. 19 and 30.
<b>40.</b> 00	Set.temp. ‡ sec. cor.
74.86	Intersect W. bdy. of Tp., 1 1k. S. of cor. of secs. 19,
	24, 25 and 30, which is a spruce post, fully marked and
	witnessed, set in the W.S. Geological Survey.
	Sept. 8, at 10 <sup>h</sup> 0 <sup>m</sup> a.m., 1.m.t., I set off 64° 48' on the
	lat. arc and 5° 36' N. on the decl. arc; and determine

Chains. a meridian with the solar, at the cor. of secs. 19, 24, 25 and 30. Thence I run

E. on a true line, bet. secs. 19 and 30.

Over hilly ground, in spruce and birch; Ascend W. slope. .26 Small dry creek, course N. 45° W.

12.00 Drsin, course H. 58° W.; Ascend more gradual W. slope.

- 18.00 Ridge, bears 3. 57° E. and N. 57° W.; Descend NE. slope.
- 34.86 Set an iron pipe, size 1, 24 ins. in the ground, for sec. cor., marked \$\$ \$\$ 19 on the N. and \$\$ 30 on the \$\$, side; dig pits, 18 x 18 x 12 ins., \$\$, and \$\$, of cor. 3 ft. dist.; and raise a mound of earth, 3\$ ft. base, 1\$ ft. high, N. of cor.; From cor.

A spruce, 10 ins. diam., bears N. 69° E., 46 lks. dist., marked  $\frac{1}{4}$  S 19 B T.

- A spruce, 8 ins. diam., bears S. 54° E., 75 lks. dist., marked  $\frac{1}{4}$  S 30 B T.
- 43.36 Creek, course N. 30° W., 2 1ks. wide and 4 ins. deep, cool water, with alder and willow. Leave spruce and birch; Ascend steep W. slope, over

bare side of hill.

67.08 Enter brow of nearly flat ridge, bears N. and S.; enter small dead spruce and few birch.

74.86 The cor. of secs. 19, 20, 29 and 30. Land, mountainous. Soil, 2nd and3rd rate. Timber, scarce.

> N. 0° 10' 3., bet. secs. 19 and 20. Over level ridge land, through dead spruce.

25.00 Begin gentle N. slope.

At this point, Sept. 8, I set off 5° 31' N. on the decl. arc; and at 11<sup>h</sup> 57<sup>m</sup> 37<sup>s</sup> I observe the sum on the meri-

Chains dian: the resulting lat. is 64° 48' N.

- 28.74 Descend steep N. slope.
- 33.64 Trees, mostly dead.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for ‡
  sec. cor; cap marked S 20 on E. and ‡ S 19 on W.; dig
  pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.;
  and raise a mound of earth, 3½ ft. base, 1½ ft. nigh,
  W. of cor.; From cor.
  - A birch, 7 ins. diam., bears S. 76° W., 88 lks. dist., marked \$ 5 19 5 T.

Heavy growth of red top on N. slope.

44.32 Enter green birch and spruce, bears E. and W. Drain, course N. 70° W.

Ascend steep SW. slope.

- 54.24 Enter dead spruce and birch, bears R. and W.; Descend N. slope.
- 59.20 Leave dead and enter live birch brush and willows, bears NE. and SW.
- 74.08 Enter flat of Cripple Creek, over tussocks and birch bruch.
- 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of sees. 17, 18, 19 and 20; with cap marked
  - T 1 8 S 17 on NE.,
  - R 2 W S 20 on SB.,
  - S 19 on SW., and
  - S 18 on NW. quadrant, with 5 notohes on E. and 3 notches on S.; dig pits, 18 x18 x 12 ins., in each sec. 54 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
  - Land, level and mountainous; about 25 chs. of level ridge land, and about 6 chs. of level land in flat of creek bottom.

Soil, 2nd and 3rd rate.

Timber, mostly dead

68.13

Subdivision of T. 1 S., R. 2 W.

Chains. E. on a random line, bet secs. 17 and 20.

40.00 Set temp. 1 sec. cor.

80.00 Intersect N. and S. line, 5 lks. N. of cor. of secs. 16, 17, 20 and 21.

Thence I run

N. 89° 58' V. on & true line, bets. secs. 17 and 20.

Over level ridge through thin birch and heavy red up grass. 10.30 Leave ridge; descend gentle NW. slope.

- 15.20 U.S. Road from Chema to Ester, bears S. 10° W. and N. 10° E.
- 19.60 Old wood road, bears S. 30° E. and N. 30° W.; Enter spruce and birch.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for \$ sec. cor.; cap marked \$ S 17 on N. and S 20 on S.; dig pits, 18 x 18 x 12 ins., S. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, N. of cor.; From cor.
  - A birch, 3 ins.diam., bears N. 5° E., 69 lks. dist., marked 1 S 17 B T.
  - A spruce, 5 ins. diam., bears S. 77° E., 26 lks. dist., marked  $\frac{1}{4}$  S 17 B T.
- 60.00 Enter thick spruce and birch, bears N. and S.
- 70.00 Enter level flat of Alder Creek; leave timber and enter brush and tussocks, bears NE. and SW.

80.00 The cor. of secs. 17, 18, 19 and 20. Land, level and mountainous. Soil, 2nd and 3rd rate. Timber, spruce and birch.

September 8, 1911.

At last cor,, Sept. 10, at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 49' N. on the lat. arc and 5° 13' N. on the decl. arc, and determine a meridian with the solar. Thence I run 77

Subdivision of T. 1 S., R. 2 W.

Chains. West on a random line, bet. secs. 18 and 19.

- 40.00 Set temp. + sec. cor.
- 74.79 Intersect W. bdy. of Tp., 9 lks. S. of cor. of secs. 13, 18, 19 and 24, which is a spruce post, fully marked and witnessed, set in U.S. Geological Survey.
  - Thence I run
  - S. 89° 56' E. on a true line, bet. secs. 18 and 19. Over hilly ground, through birch brush and dead spruce; Ascend NW. slope.
- 4.25 Descend E. slope.
- 10.84 Leave brush, enter few large birch and spruce, with heavy red top grass.
- 25.34 Wood road, bears N. 50° E. and S. 50° W.
- 34.79 Set an iron pipe, size 1, 24 ins. in the ground, for sec. cor.; cap marked pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, N. of cor.; From cor.
  - A birch, 5 ins. diam., bears N. 62° E., 190 1ks. dist., marked # 5 18 B T.
  - A birch, 4 ins. diam., bears S. 72° E., 130 lks. dist., marked 1 S 19 B T.
- 42.70 Wood road, bears N. 15° E. and S. 15° W.
- 55.00 Enter level ground; leave birch and spruce; enter dead spruce and tussocks, bears N. and S.
- 63.61 Cripple Creek, 26 lks. wide, 1 ft. deep, clear cool water.
- 74.79 The cor. of secs. 17, 18, 19 and 20. Land, level and mountainous. Soil, 2nd and 3rd rate. Timber, scattering birch and spruce.
  - At last cor., Sept. 10, I set off 5° 08' N. on the decl. arc, and at 11<sup>h</sup> 57<sup>m</sup> 1.m.t., observe the sum on the meridian: the resulting lat. is 64° 49' N.

78

\$7-13

Subdivision of T. 1.S., R. 2 W.

Chains. Thence I run

R. 0° 10' W., bet. secs. 17 and 18.

Slight descent to creek, through dead spruce and tussocks.

22.63 Cripple Creek, 16 1ks. wide, 14 ft. deep, course N.10°N.

- 26.28 Alder Creek, 23 1ks. wide, 1 ft. deep, course N. 35° E.
- 31.66 Mining ditch, 12 1ks. wide, 2 ft. deep, water clear, course N. 40° E.; Very gentle south slope.
- 40.00 Set an iron pipe, size 1, 24 ins. in the ground, for <sup>1</sup>/<sub>4</sub> sec. cor.; cap marked S 17 on E. and <sup>1</sup>/<sub>4</sub> S 18 on W.; dig pits, 18 x 18 x 12 ins., N. and S. of cor. 3 ft. dist.; and raise a mound of earth 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>2</sub> ft. high, W. of cor.

54.20 Old wood road, bears N. 70° W. and S. 70° E.

70.00 Ascent steeper.

80.00 On low ridge nearly level.

Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with cap marked

T 1 S S 8 on NE.,

R 2 W S 17 on SE.,

S 18 on SW., and

S 7 on NW. quadrant, with 5 notches on H. and 4 notches on S.; dig pits, 18 x 18 x 12 ins. in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level and hilly.

Soil, sandy; 3rd rate.

Timber, dead spruce.

September 10, 1911.

At last cor., Sept. 11, at 8<sup>h</sup> 0<sup>m</sup> a.m., l.m.t., I set off 64° 50' N. on the lat. arc and 4° 50' N. on the decl. arc, and determine a meridian with the solar.

Thence I run

E. on a random line, bet. secs. 8 and 17.

£3 • ₹

Chains 40.00	Set temp. ‡ sec. cor.
80.06	Intersect N. and S. line, 4 1ks. N. of cor. of secs. 8,
	9, 16 and 17.
	Thence I run
	N. 89° 58' W.
	Over level ground withtussocks and brush.
15.07	Slight SE. slope.
23,92	Mining ditch, 10 lks. wide, 1 ft. deep, water clear,
	course N. 5° W.; Enter spruce, bears N. and S.
30 <b>,0</b> 6	Leave spruce, bears N. and S.
40.03	Set an iron pipe, size 1, 24 ins. in the ground, for $\frac{1}{2}$ sec.
	cor.; marked $\frac{1}{2}$ S 8 on N. and S 17 on S.; dig pits, 18 x
	18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise
	a nound of earth, 3g ft. base, 1g ft. high, N. of cor.
42.73	Old wood road, bears N. 32° W. and S. 32° E.
76.10	U.S. Road from Chena to Ester, bears N. 37° W. and S. 37°
	E.; Enter flat bench with birch brush.
80.06	The cor. of secs. 7, 8, 17 and 18.
	Land, level and hilly.
	Soil, sandy; 3rd rate.
	Timber, mostly burned.
	Timber, moetly burned.
	Timber, mostly burned. At last cor., Sept. 11, I set off 4° 46' N. on the decl.
	At last cor., Sept. 11, I set off 4° 46' N. on the decl.
	At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11 <sup>h</sup> 57 <sup>m</sup> a.m., 1.m.t., observe the sun on the
	At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11 <sup>h</sup> 57 <sup>m</sup> a.m., 1.m.t., observe the sum on the meridian: the resulting lat. is 64° 50' N.
40.00	At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11 <sup>h</sup> 57 <sup>m</sup> a.m., 1.m.t., observe the sum on the meridian: the resulting lat. is 64° 50' N. Thence I run
<b>4</b> 0.00 74.52	<pre>At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11<sup>h</sup> 57<sup>m</sup> a.m., l.m.t., observe the sun on the meridian: the resulting lat. is 64° 50' N. Thence I run W. on a random line, bet. secs. 7 and 18. Set temp. ½ sec. cor.</pre>
	<pre>At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11<sup>h</sup> 57<sup>m</sup> a.m., l.m.t., observe the sum on the meridian: the resulting lat. is 64° 50' N. Thence I run W. on a random line, bet. secs. 7 and 18. Set temp. ½ sec. cor.</pre>
	At last cor., Sept. 11, I set off 4° 46' N. on the decl. arc, and at 11 <sup>h</sup> 57 <sup>m</sup> a.m., l.m.t., observe the sun on the meridian: the resulting lat. is 64° 50' N. Thence I run W. on a random line, bet. secs. 7 and 18. Set temp. ½ sec. cor. Intersect W. bdy. of Tp., 6 lks. S. of cor. of secs. 7,

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Chains. Thence I run

S. 89° 57' E. on a true line, bet. secs. 7 and 18.

Over hilly ground; in thin timber; Descend NE. slope.

12.35 Draw, course SE,; Ascend gentle SW. slope.

21.35 Along S. side of ridge.

27.52 Descend E. slope.

- 28.36 From this point, U.S. Local Mineral Monument, which is an iron shaft with a round head about 3 ins. in diam., bears N. 34° 58' W., 17.93 chs. dist. Monument is marked No 349.
- 34.52 Set an iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor.; cap marked, ‡ S 7 on N. and S 18 on S.; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.; From cor.
  A poplar, 10 ins. diam., bears N. 65° 30' E., 140 lks.

dist., marked 🛓 3 7 B T.

Heavy grass on slope; Few birch.

- 54.54 Slope becomes slight; Leave live timber, enter dead spruce, bears N. and S.
- 56.37 Road, bears N. 37° E. and 5. 37° W.
- 58.52 Old wood road, bears H. 20° H. and S. 20° W.

59.53 Enter nearly level ridge, bears N. and S.

74.52 The cor. of secs. 7, 8, 17 and 18.

Land, level and mountainous.

Soil, 2nd and 3rd rate.

Timber, mostly gone.

September 11, 1911.

At this cor., Sept. 11, at 8<sup>h</sup> 13<sup>m</sup> p.m., l.m.t., I observe Polaris at eastern elongation, and mark the line thus determined by a tack in a wooden bar, 5.00 chs. N. of my station.

Sept. 12, at 8<sup>h</sup> a.m., l.m.t., I turn off the aximuth of Polaris, 2° 46' to the west, and mark the meridian thus determined, by a tack in a wooden peg set firmly 13-35

Chains. i	in	the	ground.
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At 8<sup>h</sup> 11<sup>m</sup> a.m., 1.m.t., I observe Polaris at western elongation, and mark the line thus determined by a tack in a wooden bar, 5.00 chs. to N. of my station. I then turn off the asimuth of Polaris, 2° 46' to the east, and mark the meridian thus determined by a tack in a wooden peg set firmly in the ground. This point fell .75 ins. W. of point determined by eastern elongation observation. The mean of the two points was taken as the true meridian. I took a back sight and tested line bet. secs. 17 and 18; 19 and 20; and 29 and 30, which was found to be correct.

September 12, 1911.

At last cor., Sept. 13, at 3<sup>h</sup> 0<sup>m</sup> p.m., l.m.t., I set off 64° 50' N. on the lat. arc and 3° 58' N. on the decl. arc; and determine a meridian with the solar. The U.S.L.E., No. 349, bears B. 75° 21' W. Thence I run N. 0° 10' W., bet. secs. 7 and 8.

On low ridge, through small birch and dead spruce.

- 6.35 U.S. Road from Chena to Ester, bears N. 209 W. and S. 200 E.
- 32.50 Dim road, bears E. and W.
- 33.03 U.S.L.M. No. 349 bears 8. 72° 02' W.
  - cor. No. 3 of Pierce Association Survey No. 305, which is an iron pipe, 4 ins. diam., 2 ft. above ground, bears N. 58° 45' W., 6.45 chs.
    - From cor. No. 3 of Survey 355, cor. No. 4, which is an iron pipe, 4 ins. diam., 2 ft. above ground, bears N. 16° 42' E., 9 lks. dist.

Descend N. slope to Ester Creek.

40.00 Set an iron pipe, size 1, 24 ins. in the ground, for 2

Subdivision of T. 1 S., R. 2 W.

Chains. sec. cor.; cap marked S 8 on E. and 1 S 7 on W.; dig pits, 18 x 18 x 12 ins., 3 ft. dist., N. and S. of cor. and raise a mound of earth, 31 ft. base, 11 ft. high, W. of cor.

> From this cor., SE. cor. of Jesson Bros. Boiler house, bears N. 43° 30' W., 252 lks. dist.

41.00 Foot of descent; thence level.

54.51 cor. No. 3 of 2 Below Ester Creek, Survey No. 349, which is an iron pipe, 4 ins. dism., 6 ins. above ground, bears N. 73° 25' W., 6.35 chs. dist.

> cor. No. 3 of 3 Below Ester Creek, Survey No. 359, which is an iron pipe, 4 ins. diam., 1 ft. above ground, bears N. 54° 45' E., 5.40 chs. dist.

> cor. No. 2 of 3 Below Ester Creek, Survey No. 359, which is an iron pipe, 4 ins. diam., 1 ft. above ground, bears S. 84° 27' E., 124 lks. dist.

The U.S.L.N., No. 349, bears S. 54° 45' W.

55.07 Ester Creek, 10 1ks. wide, course E.; Ascend SE. slope.

58.16 U.S. Road from Ester to Fairbanks, bears NW. and SE.

64.58 Mining ditch, course SM.

- 67.10 Road from Ester to Eva mines, bears SW. and ME.; Enter dense brush.
- 80.00 Set an iron pipe, size 2, 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8; with cap marked

TISS5 on NE.,

R 2 W S 8 on SE.,

S 7 on SW.,

S 6 on NW. quadrant, with 5 notches on E. and 5 5 notches on S.; dig pits, 18 x 18 x 12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

From this cor., U.S.L.N., bears S. 40° 46' W.

Land, level and hilly.

Soil, 3rd rate.

Subdivision of T. 1 S., R. 2 W.

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Chains.	No timber. September 13,1911.
•	E. on a random line, bet. sees. 5 and 8.
40.00	Set temp. 1 sec. cor.
	Sept. 14, at 10 <sup>h</sup> 0 <sup>m</sup> a.m., 1.m.t., I set off 64° 51' N.
	on the lat, arc and 3° 39' N. on the decl. arc; and
	determine a meridian with the solar.
80.23	Intersect N. and S. line, 14 1ks. S. of cor. of secs.
	4, 5, 8 and 9.
	Thence I run
	S. 89° 54' W. on a true line, bet. secs. 5 and 8.
	Over S. slope of hill, gradual descent through heavy
	grass and birch brush.
28.59	Draw, course SE.; Ascend E. slope.
40.11±	Set an iron pipe, size 1, 24 ins. in the ground, for 1
-	sec. cor.; cap marked 1 8 5 on N. and S 8 on S.; dig
	pits, 18 x 18 x 12 ins., I. and W. of cor. 3 ft. dist.;
	and raise a mound of earth, 31 ft. base, 11 ft. high,
	N. of cor.
	Thick birch and poplar.
41.06	Wood road, bears N. 10° W. and S. 10° E.
44.98	Descend very abrupt SW. slope.
50.21	Eva Creek, 15 1ks. wide, nearly dry, course S. 10° E.
51.07	Mining ditch, course S. 10° E.
53.31	Small drain, course SE.; Ascend E. slope, through dead
	spruce.
61.68	Deep gorge washed by waste water, about 30 ft. deep and
	5 ft. wide, course S. 14° E.
69.45	Telephone line to Eva mines, bears S. 15° E. and N.15°W.
80.23	The cor. of secs. 5, 6, 7 and 8.
	Land, hilly, very rough.
	Soil, 3rd rate.
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Timber, few dead birch and spruce, with brush.

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Subdivision of T. 1 S., R. 2 W

Chains. W. on a random line, bet. secs. 6 and 7.

9.16 Sept. 14: Here I set off 3° 37' N. on the decl. arc and at 11<sup>h</sup> 55<sup>m</sup> 52<sup>8</sup> 1.m.t., I observe the sum on the meridian: the resulting lat. is 64° 51' N.

40.00 Set temp. 2 sec. cor.

74.24 Intersect W. bdy, of Tp., 5 lks. N. of cor. of sees. 1, 6, 7 and 12, which is a spruce post, fully marked and witnessed, set in U.S. Geological Survey.

Thence I run

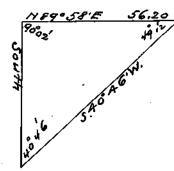
N. 89º 58' E.

Over hilly ground, through spruce and birch, and birch brush; Steep ascent of SW. slope.

1.35 Descend gentle NE. slope.

3.44 Ascend gentle W. slope.

11.25 Mining flume, 2 ft. wide, 1 ft. deep, course S. 12° W. 18.04 U.S.L.H., No. 349, bears S. from this point. From here



bears S. from this point. From here
to cor. of secs. 5, 6, 7 and 8 is
56.20 chs.; From cor. of secs. 5, 6,
7 and 8, U.S.L.M. bears S. 40° 46'
W. Dist. from point 18.04 on line
bet. secs. 6 and 7 to U.S.L.M. is
a. .7570 x 56.20 - 65 15 chs

 $\frac{12}{12} = \frac{12}{56.22}$  or  $\frac{.7570 \times 56.20}{.65298} = 65.15$  chs.

Enter dead spruce and birch.

20.05 cor. No. 3 of 2 Above Bater Creek, Survey No. 356, which is an iron post, 4 ins.diam., 2 ft. above ground, bears S. 10° 40' W., 10.30 chs. dist.

22.30 Old road, bears SW. and NE.

33.21 Road from Ester to Ready Bullion mines, bears S. 14° E. and N. 14° W.

33.44 U.S.L.M. No. 349, bears S. 13° 20' W.

34.24 Set an iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{2}$  sec. cor.; cap marked  $\frac{1}{2}$  S 6 on N. and S 7 on S.; dig

Chains	. pits, 18 x 18 x 12 ins., S. and W. of cor. 3 ft. dist.;
•	and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,
	N. of cor.
	Thence descend steep NR. slope to Ready Bullion Creek.
36.21	Ready Bullion Creek, 39 1ks. wide, 6 ins. deep, clear
	water, course SE.; thence ascend SW. slope, through
	birch brush.
38.17	Drain, course SE.; Ascend steep SW. slope.
6 <b>1.46</b>	Drain, course S. 9° E.; Descend along S. slope.
63.08	Old road, bears N. and S.
66.45	Draw, course S. 12° E.; Descend S. slope.
74.24	The cor. of secs. 5, 6, 7 and 8.
	Land, hilly.
	Soil, 3rd rate.
	Timber, mostly cut off, few spruce and birch, thick birch
	brush.
	brugh.
	Thence I run
	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6.
	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush.
4.47	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Moun-
4.47	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush.
4.47	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Moun-
11.63	<pre>Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Moun- tain.</pre>
11.63 30.42	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Houn-tain. Road, bears S. 60° E. and N. 60° W.
11.63 30.42 34.72	Thence I run N. Of 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Mountain. Road, bears S. 60° E. and N. 60° W. Change to short NE. slope.
11.63 30.42 34.72	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Mountain. Road, bears S. 60° E. and N. 60° W. Change to short NE. slope. Small drain, course S. 35° E.; Ascend S. slope.
11.63 30.42 34.72	Thence I run N. 09 10' W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40° E.; Ascend S. slope of Ester Mountain. Road, bears S. 60° E. and N. 60° W. Change to short NE. slope. Small drain, course S. 35° E.; Ascend S. slope. Set iron pipe, size 1, 24 ins. in the ground, for \$ sec.
11.63 30.42 34.72	Thence I run N. 0 <sup>9</sup> 10 <sup>1</sup> W. on a true line, bet. secs. 5 and 6. Over gentle S. slope, through birch brush. Drain, course S. 40 <sup>o</sup> E.; Ascend S. slope of Ester Hountain. Road, bears S. 60 <sup>o</sup> E. and N. 60 <sup>o</sup> W. Change to short NE. slope. Snall drain, course S. 35 <sup>o</sup> E.; Ascend S. slope. Set iron pipe, size 1, 24 ins. in the ground, for \$ sec. cor.; cap marked S 5 on E. and \$ S 6 on W.; dig pits,

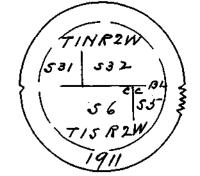
Enter dead spruce and birch; also heavy red top grass. 67.13 Descend NR. slope, very abrupt.

79.98 Intersect N. bdy. of Tp. 574 1ks. E. of standard cor. of

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Chains. secs. 31 and 32 of T. 1 N., R. 2 W., which is a spruce post, fully marked and witnessed by the U.S. Geological Burvey.

At intersection, I set an iron pipe, size 3, 24 ins. in



the ground, for closing cor. of secs. 5 and 6, with cap marked as shown in diagram.

Land, hilly.

Soil, 3rd rate.

Timber, small dead spruce and birch; thick birch brush.

September 14, 1911.

NOTE: All iron pipes set have 1911 marked on south edge of cap.

#### U.S. EXPERIMENT STATION

From the closing cor. of secs. 1 and 6, T. 1 S., ks. 1 and 2 W., already described, cor. No. 6, U.S. Experiment Station, bears 5. 89° 11' W., 33.27 chs. dist.

#### M-E-A-N-D-E-R-S

Left Bank of Tanana River, Down Stream. I commence at the meander cor. of frach. sees. 25 and 30, on the E. bdy. of the Tp., as heretofore described. At this cor., August 30, 1911, at 2<sup>h</sup> 00<sup>m</sup> p.m., 1.m.t., I set off 64° 47' N. on the lat. arc, 9° 10' N. on the dech. arc, and determine a meridian with the solar. Thence I run with meanders in sec. 25. Through dense alder and willow, few cottonwood and spruce. S. 68° W. 3.70 chs. Bank 5 ft. high; Cand and gravel bar forming along main bank. S. 46° W. 10.57 " Bank 3 ft. high; To meander cor. of frach. secs. 25 and 26. Land, river bottom.

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Meanders, T. 1 S., R. 2 W.

Soil, sandy; 3rd rate. Timber, spruce, cottonwood, birch, alder and willow. Dense alder and willow brush. 7 Thence in sec. 36. Through dense alder and willow brush, spruce scattering. S. 384° W. 3.20 chs. Bank 2 ft. high. S. 29<sup>1</sup>/<sub>2</sub>° V. 14.10 n S. 46° W. 2.60 łŧ Bank 3 ft. high. S. 601° W. 3.70 8 S. 77° Ψ. 2,20 # Few scattering birch. N. 78% W. e 4.60 N. 50° W. 4,30 斜 N. 874° W. ŧŧ 4.30 At 1 ch. sand bar forming along bank. S. 114º W. 11.20 At beginning of course, enter n heavy growth of spruce; at 10 chs. end of sand bar forming along bank. Bank 4 ft. high; Leave heavy spruce, enter fire-killed patch 4º W. S 3.60 with few spruce and birch, bears east. S. 27% W. 7.10 S. 55° W. 6.10 S. 62%° W. Enter dense alder and willow, 3,20 bears E. S. 53° W. 11.00 At 3.00 chs. leave dense alder and willow, enter scattering brush, bears south. At beginning of course, E. bank of S. 72° ₩. Ħ 5.00 deep narrow channel. At 2.80 chs., W. bank of channel, bears S. 35° H. S. 83° Ψ. 5.00 At 1.00 ch. enter spruce, alder and willow, bears S. S. 76% W. 3.30 S. 862 %. 5,68 To meander cor, of fracl. secs. 35 and 36. Land, river bottom, covered with moss. Soil, sandy; 3rd rate. Timber, spruce, birch, cottonwood, alder and willow. Dense alder and willow brush.

Thence in sec. 35. Through fire-killed patch of timber, large spruce and birch windfalls. N. 80° W. 9.60 chs. Bank 4 ft. high. N. 715 9 W. 4.90 n, At 4.00 chs., enter spruce, birch, alder and willow, bears S. N. 54° W. 3.50 N. 421° W. 3.20 N. 36° 0 VZ. 6.40 - 48 N. 28° 5.30 Bank 3 ft. high. Few spruce and ₩. coattering cottonwood. ~N. 54° ₩. 5.80 . Sand bar forming close to bank. VN. 76° ¥. 4.70 \*\* At 4.00 chs. leave sand bar that is forming along bank. 11 3,80 N. 72° ₩. N. 85° ₩. 6.40 -ti N. 77º 5.00 - 4 Ψ. 7N. 862 W. 3.40 S. 74° 羽. 9.40 S. 55° - 0 Ψ. 9.20 Cottonwood gets thicker. S. 48° W. 10.00 N. 89 29 W. 3.33 \* To meander cor. of fracl. secs. 34 and 35. Land, river bottom, covered with most. Soil, sandy; 3rd rate. Timber, spruce, cottonwood, birch, alder and willow. Dense alder and willow brush. Difficult to survey. At meander cor. of frac1. secs. 34 and 35, August 31, 1911, at 10<sup>h</sup> 00<sup>m</sup> a.m., 1.m.t., I set off 64° 47' N. on the lat. arc, 3° 52' N. on the decl. arc, and deternine a meridian with the solar. Thence 1 run with meanders in sec. 34. Through dense alder and willow, and few cottonwoods. 25. 822° W. 5.90 chs. Bank 5 ft. high.

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. 90	Neanders, T. 1 S., R. 2 W.									
	5. 47° W. 22.80 chs.	Bank 3 ft. nigh. Sand bar is forming along bank. At 20.00 ohs., bank 4 ft. high, also								
	8.66° W. 2.20 "	leave sand bar.								
	S. 872° W. 4.30 "	Bank 3 ft. high.								
	N. 604° W. 5.10 *									
	N.39° ¥. 4.40 *									
	N. 17º W. 4.40 "	· .								
	N. 92° W. 3.30 "	Bank 2 ft. high.								
		Sand and gravel bar forming along								
		bank.								
		Few spruce among dense alder and willow. At 12.00 chs., leave sand bar forming along bank.								
		Bank 3 ft. high.								
		Bank 2 ft. high.								
	N. 63° ¥. 7.40 *	At beginning of course, left bank of dry channel. At 4.70 chs., right bank of dry channel, bears S. 50° W. Moter thick alder, willow and cottonwood.								
	: N. 812° W. 2.90 "	Bank 4 ft. high.								
	N. 88° W. 3.09 "	to meander cor. of fracl. secs. 33 and 34.								
	Land, river bottom.									
	Soil, sandy; 3rd rate.									
	Timber, cottonwo <b>od, s</b> pru	ico, alder and willow.								
	Dense alder and willow	bruch.								
	Difficult to survey.									
	Thence in sec. 33.									
	Through dense alder and	willow and cottonwood.								
·	S. 83 <sup>3</sup> ° W. 17.50 chs.	Bank 8 ft. high.								
	E. 69° ₩. 5.80 °	Bank 5 ft. high.								
	7. 312° W. 7.60 "	Bank 4 ft. high. Sand bar form-								
	3. 23½° %. 11.80 % -	ing along bank.								
	5. 43½° %. 22.40 * 1	Bank 3 ft. high. Scattoring spruce and cottonwood; thick								
	3.413° W. 4.40 "	alder and willow. At beginning of course, right bank of dry channel. At end of course, left bank of dry chan- nel, bears N. 80° E. Sand bar forming along bank ends at								
· 1	S. 57° W. 12.10 *	right bank of dry channel.								
· 1	s. 57° W. 12.10 "									

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S. 57° W. 12.10 N

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S. 49° W. 6.01 chs. Bank 5 ft. high. To meander con of frach. sees. 4 and 33. Land, level. Soil, sandy; 3rd rate. Timber, cottonwood, spruce, alder and willow; dense alder and willow brush. <u>Neanders of Right Bank of Tanana Piver, Up-stream</u>.

From meander cor. of frac1. secs. 5 and 32 on the 5. bdy. of the Tp., heretofore described, I run with meanders in sec. 32.

Through dense alder and willow, spruce and cottonwood.

A sandy island is forming with a narrow shallow channel bet. it and the main land.

N.	220	∀.	1.50	chs.	Bank 6 ft. high.
N.	10 ¥	E.	5,80	Ħ	Bank 5 ft. high.
N,	14°	W.	2.60	Ħ	Bank 2 ft. high.
N.	1720	Ψ.	<b>3.9</b> 0	, H	This course rùns along steep hill- side; spruce and aspen on hill- side.
Ы.	28°	<b>W</b> .	4.70	H	9142.
N.	19 <u>]</u> °	E.	1.90	м	Alder and willow very thick.
Ν.	370	2.	4.00	<b>a</b> .	
N.	29°	Е.	2.50	**	
N.	15 <sup>3</sup> 4	E.	4.10	Ħ	· · · ·
N.	53°	Е.	3.10	Ħ	
N.	69. <sup>5</sup> .°	Ξ.	6.60	"	
N.	77°	Ξ.	14.40	Ņ	End of send bar forming along bank
Ν.	8820	×.	3.10	TR	at end of this course.
N.	85°	E.	4.40	м	•
N.	770	₫.	9.50	17	Sand bar along bank.
N.	83°	- 53 •	7.40	Ħ	
R.	85°	44 - 14	8.60	n	
N.	82°	Е.	6.00	n	
ĸ.	710	ij.	5.00	10	To meander cor. of fracl. secs. 32 and 33.

Land, level.

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Soil, part of it along hillside, 2nd rate; part sandy, 3rd rate. Timber, spruce, cottonwood, aspen, alder and willow .. Dense alder and willow brush. Difficult to survey. At meander cor. of fracl. secs. 32 and 33, August 28, at 11h 00m a.m., 1.mt., I set off on the lat. arc 649 47\* N. and on the decl arc, and determine a meridian with the solar. Thence I run with meanders in sec. 33. Through alder and willow brush; sand bar forming along bank. N. 71º Е. 3.10 chs. Bank 3 ft. high. At 2.00 chs., end of sand bar. At 2.50 chs., steep ascent, 30 ft. above, waters edge. N. 573º 3. 3.70 ŧ, Bank 5 ft. high; rocky. N. 56° 3. 11.70 π Bank 3 ft. high; rocky. N. 57%° E. 4.30 ŧł Bank 4 ft. high. 1. 52% 11 3. 4.90 Few spruce and aspen along sidehill. N. 61° 5.30 si, Bank 3 ft. high; rocky hill close Е. to bank. N. 68° E. 9.30 H) At 5 chs. a snall cabin bears N. 542° E.; probably used by some fisherman. N. 624° Е. 6.10 fi N. 54° £. 2.40 N. 3719 B. 4.20 ¥ Rocky bank 2 ft. high. -N. 277° Ε. 2.60 **4**° N. £. 2.00 11 Rocky bluff, about 15 ft. above water. 7° N. 8. H 3.96 Rocky bluff, 10 ft. high. To Cherk townsite meander cor. No. 1, as heretofore described. N.20°56'W. .26 To closing cor. of fracl. secs. 28 and 33. Land, nearly level, but follows close to base of hill. Soil, small part, 2nd rate; sandy, 3rd rate; stony, 4th rate. Timber, alder, willow, few spruce, cottonwood and aspen.

Dense alder and willow brush.

Meanders, T. 1 S., R. 2 W.

Thence I run with meanders in sec. 26. Through dense alder and willow brush. 3.00 chs. Bank 3 ft. high. 5. 80<sup>1</sup>° E. ų 2.60 - East Right bank of deep channel at end N. 76° Ξ. 3,30 of course. Dist. across channel taken by stad-N. 89° Ξ. 6.20 ia. At 5.90 chs., left bank of channel; banks bear N. 20° E. ~5. 66%° E. 18 Scattering spruce and cottonwood. 3.50 Aug. 26, at 2h 00m p.m., 1.m.t., I S. 88° Ξ. 8.10 set off 64° 47' 30" N on lat and are and neternine a meridian with the solar. S. 65g° E. 4.80 ∕\$**. 68°** Ξ. 2.50 S. 49° <u>.</u>.... 3.10 Bank 2 ft. high. ≤S. 55g° ≟. 3.10 S. 48° Ε. 3.20 Bank 3 ft. high. ~S. 61≟° E. 3.80 1 At 1 ch. enter thick spruce and · N. 84° 3.70 Е. cottonwood, bears NW. 'S. 61%° 8. 4.70 Bank 2 ft. high. S. 40° Ζ. 3.80 Spruce, dense alder and willow. S. 48° Ξ. 2.85 To meander cor. of fracl. secs. 26 and 35. Land, level; thick layer of moss over most of ground. Soil, sandy; 3rd rate. Timber, spruce, cottonwood, alder and willow. Dense alder and willow brush. Thence in sec. 35. Bank 3 ft. high. Dense alder and S. 36° E. 2.00 chs. willow. S. 801° E. 2.60 . Ħ S. 899 2.30 Ξ. -N. 864° E. 7.50 Few spruce and cottonwood. Slop-N. 84° Ħ E. 6.80 ing bank to sand bar.

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Het.

3.00

N. 824° E.

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N. 594° E. 1.00 chs. To sec. cor. of secs. 25, 26, 35 and 36, which was also used as meander cor.

Meanders, T. 1 S., R. 2 W.

Land, level; covered with layer of moss.

Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, alder and willow;

Dense alder and willow brush.

Difficult to survey.

August 26, 1911.

Thence I run with meanders in sec. 25.

Through spruce and cottonwood timber, dense alder and

willow.

N. 89 2° E. 4.70 chs. Sloping bank to end of this course. Sand bar along bank. 4.80 " N. 70°° E. Bank 2 ft. high. N. 853º E. 3.80 N. 30° E. 5,00 Leave timber and brush; enter fire killed patch, bears NW. Timber all cut off. N. 49g° E. 4.6Ü Bank 4 ft. high; washing in fast. N. 175° S. 9.30 н N. 102° E. 3.40 \* Enter few spruce, dense alder and willow, bears NW. N. 33° E. 5.00 " N. 30° E. 5.00 p Few scattering birch. N. 464° E. 11 7.60 Bank 3 ft. nigh. 14 N. 46° Ξ. 5.70 N. 53° S. Ħ 7.30 N. 284° E. - 18 5.20 Bank 4 ft. high; washing in fast. spruce, cottonwood and birch thicker. At end of course left bank of deep swift channel. At 2.90 chs., right bank of chan-nel, bears N. 28<sup>10</sup> W. N. 29° 7.70 Ĕ. N. 30° Ξ. 7.60 Ħ N. 464° E. 7.20 Bank 5 ft. nigh; washing in fast. N. 65gº B. 5.40 Alder and willow gets nore dense. N.  $60\frac{1}{2}$ ° E. 2.80 峬 N. 76kº E. n 6,10 N. 864° B. Ħ 3.50 S. 82% E. 5.07 # To meander cor. of frac1. secs.

25 and 30 on E. bdy. of Tp.

Land, level, mostly covered with moss.

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### Meenders, T. 1 S., R. 2 W.

Soil, part with heavy moss, 2nd rate; sandy, 3rd rate. Timber, spruce, cottonwood, birch, alder and willow. Dense alder and willow brush.

Meanders of Wenrich Island in Secs. 34 and 35.									
At meander cor. of fracl. secs. 34 and 35, on N. bank of									
island, Sept. 2, at 2 <sup>h</sup> 00 <sup>m</sup> p.m., l.m.t., I set off 64°									
47' N. on the lat. arc and 8° 05' N. on the decl. arc,									
and determine a mer	idian with the solar.								
Thence I run with mea	nders in sec. 34.								
Through dense alder									
N. 76° W. 11.70 chs.	bar for 5.00 chs. At 6.25 chs. left bank of narrow channel. At 7.50 chs. right bank of channel. Bank boars S. 15° W.								
N. 88 <sup>1</sup> W. 4.60 *	Spruce and cottonwood.								
N, 81 <sup>2</sup> ° W, 6.00 "	Bank 3 ft. nigh.								
∕N. 89° W. 8.60 "									
N. 84° W. 5.50 "	Bank washing in fast.								
N. 87° W. 5.30 "	Bank 4 ft. high; washing in fast.								
N. 80° W. 4.90 "	At 2.00 chs. Wenrich's fen <b>se bears</b> S.; enter field at this fence.								
N. 73 <sup>1</sup> 2° W. 6.20 "	Bank 5 ft. high. Field has heavy growth of weeds. From a point at 4.00 chs. on course, Wenrichs house bears 5. 78° 30' W.								
S. 862° W. 3.40 "	Bank 4 ft. high. At one ch. leave field, enter dense brush, bears S.								
S. 81° W. 2.90 *	Bank 3 ft, high.								
8.50½° W. 2.80 "	<ul> <li>Bank 4 ft. high. Spruce and cot- tonwood scattering. At dist. of 6 lks. from end of course S. 50½°</li> <li>W., is M.C. No. 1 of Survey No. 917. Homestead claim of Wright Wenrich; this homestead has been abandoned.</li> </ul>								
S. 36° W. 2.30 "	Bank 6 ft. high; swift current, outbing bank fast.								
8, <b>59½° W.</b> 2,50 <b>"</b>	CHRATH NUME TUDE.								
S. 47½° ₩. 3.30 "									
S. 59° W. 3.46 "									
S. 54% W. 4.50 *	Bank 5 ft. high.								
S. 35ģ° ∦. 1.40 "									

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ê	C	۰.	4
- 24	55	4	
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	-		3.80		<b>A A b a a d a a a b a a b b a b b b b b b b b b b</b>
	7៦ឆ្នូ។	• ئىل	4.60	**	At beginning of course, right bank of small channel. At 4.15 chs. left bank of channel, bears S. 82° E.
S.	69° .	E.	4.00	63	Bank 4 ft. high.
· 3.	59 <u>1</u> .0	8.	12.20	*	Bank 3 ft. high.
- S.	68°	E.	3,50	17	
8.	82 <b>‡°</b>	E.	5.10	<b>n</b>	Spruce and cottonwood larger and thicker.
·S.	73 <u>1</u> 0	E.	2.30	68	Bank 4 ft. high.
s.	56g°	в.	2.90	48	Few scattering birch.
s.	31è°	Ξ.	3.10	4	
5.	13°	E.	9.10	ti	
s.	64 <u>1</u> 0	E.	6.10	4	Bank 2 ft. high; bar forming alon bank.
» N .	73 <sup>1</sup> 2.°	E.	3,20	4	Dentx.
N.	75°	Е.	4.20	<b>35</b>	At beginning of this course, Sept. 3, at 9 <sup>h</sup> 00 <sup>n</sup> a.m., l.m.t., I set off 64° 47' N. on the lat. arc, 7° 48' N. on the decl. arc, and
					determine a meridian with the solar.
N.	41°	E.	3.50	4	At 2.00 chs. end of sand bar form-
Ņ.	35 <u></u> ₽°	z.	2,30	H	ing, next to bank Bank 3 ft. high. Spruce and cotto wood larger; from beginning of course, M.C. No. 3 of Survey 917 bears N. 344° E., 1.43 chs.
N.	52 <u>1</u> 0	Ξ.	2.50	19	pears us out out the out
N.	45 <sup>1</sup> <sub>2</sub> °	E.	2,30	, 41	Bank 4 ft. high.
/N.	50 <u>‡</u> °	S.	7.10		
N.	53°	Ħ.	6.10	41	
N.	54 <u>*</u> °	X.	3,00	H	
N.	65 <u>1</u> °	Е.	1.92	ŧI	To meander cor. of fracl. secs. 34 and 35 on S. bank of island.
Lar	1 <b>d, l</b> e	vel	; cove	r <b>eđ</b> w	ith moss mostly on S. bank.
Sol	ll, s:	andy	; 3rd	rate.	
. Tie	nber,	sbı	uce, c	otton	wood, birch, alder and willow.
Der	nse al	lđer	and w	illow	brush.

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tonwood, large size.

### Meanders, T. 1 S., R. 2 W.

·	N.	59- <u>3</u> °	R.	4.70	che.	Bank 4 ft. high.
	N.	60°	E.	5.70	₩.,	Spruce and cottonwood thicker.
	N.	71월0	£.	2.40	₩ <b>₽</b>	Bank 2 ft. high. New land lately built up. Alder and willow dense.
	N.	42 <del>3</del> °	K.	10.90	7\$	
	8.	87 <b>°</b>	₩.	8.70	Ħ	Sand bar island to 3. of bank.
	\$.	85-10	₩.	9.98	ł\$	To meander cor. of fracl. secs. 34 and 35 on N. bank of island.
	La	nd, 10	ev el	L.		
	So	il, 8	andj	; 3 <b>rd</b>	rate.	
35 1	Ti	aber,	epi	ruce, a	cotton	wood, alder and willow; Dense
	alo	der a	n <b>d</b> v	<b>villo</b> w	b <b>rush</b>	•
		-				gan Island in Secs. 26 and 27.
						racl. secs. 26 and 27, on S. bank
				·	etofor	e described, I run meanders in
		seç. :			,	,
	Th:	rough	de	nse al	der an	d willow and large cottonwood.
						Bank 6 ft. high. Washing away very fast.
	<b>S</b> .	80 <u>3</u> °	W.	4.90	40	-
. •	N.	4720	₩.	6.80	<b>31</b>	Bank 5 ft. high.
	N.	59°	E.	2.40	đ	Washing away <b>fast</b> .
	N.	66 <u>à</u> °	E.	6.90	ń	Bank 6 ft. high.
	s.	81 <b>}</b> °	٤.	4.06	Ħ	·
/	S.	65 <sub>2</sub> °	ĸ.	2.35	<b>1</b> 1	To meander cor. of frac1. secs. 26 and 27 on N. bank of island.
	La	nd, l	eve:	l; hig	h and	dry island.
	So	11, в	and	y; 3rd	rate.	
	T1:	mb <b>er</b> ,	co	tionwo	od, 31	der and willow.
	Th	enco	wit:	h nean	ders i	n sec. 26.
	тл	rough	th	ick u	der an	d willow.

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S. 86° E. 4.40 chs. Bank 4 ft. high. At 1.90 chs. left bank of small channel. At 4.20 chs. right bank of channel. Banks bear 5. 25° H.

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98

<ul> <li>N.</li> </ul>	86.10	e. 14.20	abe !	Bank 3 ft. high; willow dense.
		3.20		Dank o re. HrRu: Willow dense.
				· · ·
	·	2.96	. 9	Alder and willow dense.
S.	<b>48°</b> 3	4.30	# E	Bank 4 ft. high.
S.	51° i	<b>4.</b> 00	<b>\$\$</b> ?	Few large spruce with alder and
° S.	80° 3	5.90	• V	willow, scattering cottenwood. September 3,1911.
- S.	69 <u>7</u> ° H	. 7.50	<b>n</b> 2	<ul> <li>Bank 3 ft. high. At 1.50 chs., 3</li> <li>ft. bank of dry gravelly channel.</li> <li>At 3.00 chs., M. bank of channel.</li> <li>Banks, bear S. 12° M.</li> <li>At 6.20 chs., W. bank of dry channel. At 7.30 chs., M. bank</li> <li>of dry channel. Banks, bear S.</li> </ul>
~ N.	87 <u>∔</u> • ⊥	4.10	н 2	19° W. Bank 3 ft. high. Dense alder and
5.	50 <u>1</u> ° E	. 3.00	ų	willow.
×⁄\$.	9° W.	<b>1.6</b> 0	4	
-~S.	84° %	. 2.60	4	Bank 4 ft. high. Washing fast.
∘r₩e:	Bt	6.00	15	Large cettonwood along bank. Bank 4 ft. high. At 80 lks., E. bank of dry channel. At 2.00 ch.,
		2.90	**	W. bank. Banks bear N. 28° W. At beginning of course, E. bank of a gravelly channel. At 2.00 chs., W. bank, bears N. 39° W.
N.	73° W	. 3,90	H .	
N.	76 <u>1</u> ° ¥	. 5.80	11	
_/N.	<b>89</b> ° '''	. 5.40	**	
ຮ.	79° W	5.80	t#	Large cottonwood, thick alder and
Ν.	87 <u>5</u> ° w	. 4.20	ti	willow. Few spruce.
	740 3	. 4.40	ŧ	Morgan's fish camp, bears N. from
	-	. 3.30		end of course, about 30 lks. At the beginning of this course, Sept. 5, at 10 <sup>h</sup> CO <sup>m</sup> a.m., 1.m.t., I set off 64° 47' 30" N. on the lat. arc, 7° 02' N. on the decl. arc, and determine a meridian with the solar.
	-	. 3.60		Bank 4 ft. high.
N.	46° ¥	. 4.25	8	At 1.80 chs. right bank of narrow enannel. Other bank at end of ' course, channel flows N. 42° E. To meander cor. of fracl. secs. 26 and 27 on S. bank of island.

Land, level.

Soil, sandy; 3rd rate.

Timber, cottonwood, spruce, alder and willow; Dense alder and willow brush.

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Morgan	Island	is a	long	narro	w island;	; it has	large spruce
and a	cottonwo	no boc	ı it,	back	from the	banks.	A dense
grow	th of a	lder s	ond wi	lllow	is along	banks.	The south
bank	is cut	ting a	way w	rery f	ast.		

### Meanders of Byers Island in Section 27.

I	С	omei	nce.	at the	auxi	liary	mean	nde	r coi	· · ·	on t	he	wes	t si	de
	a	f the	e is	land.	See	pares.	35;	÷.,	le surr		: ^ <i>.</i> 2	11 K.	14.5		
Ŷ				n meand											
T	hr	ough	th	ick ald	ler an	d will	ow.								
S	•	70 <u>\$</u> °	<b>B</b> .	5.30	chs.	Bank	4 ft		nigh	; w	noni	ng	in	fast	٠
£		69 <u>‡</u> °	Ľ.	8.60	<b>\$</b> }	Bank	3 ft	5.	high	; W	ashi	ng	in	fast	•
~ <b>N</b>	۴.	74°	s.	6.30	n	Bank	2 ft		high	•					
· <u>B</u>	ias	t ·		8,20	н										
/ 2	ş.	83 <u>1</u> °	З.	16.00	44										
N	Ι.	81 <sup>c</sup>	Ξ.	6.60	4	Sand	bar	fc	rning	g c	1086	e to	ba	ank.	
Ņ	Ξ.	240	∀.	3,90	<b>1</b> 5										
, N	ī.	36 <sup>n</sup>	₩.	11.60	n	Sand	and	gı	nvel.	Ъя	r al	Long	; ba	mk.	
ħ		51¥°	₩.	9.00	н										
ł	ç.	665 °	¥.	3.70	4										
ĩ	3.	63°	Ψ.	4.70	4										
, č	5.	59.j.º	भू • •	6,20	<b>\$</b> \$										
£	3 <b>.</b>	510	7.	4.00	4										
ę	3.	4420	٧.	6.10	#	Sand	bar	A)	ong	ban	k.				
ŝ	3.	49 <u></u> 1u	₩.	9.80	11				ry ne begi:			cor.	, ar	n <b>d</b>	
J	.aı	1d, 1	eve	1.										•	
•	303	il, s	and	y: 3rd	rate.	•									
÷		<b>.</b>		7			1								

Timber, dense alder and willow.

Charles France of

Meanders of Right Bank of Chena River, Down Stream. At meander cor. of fracl. secs. 7 and 12, on E. bdy. of

Tp., I run with meanders in sec. 12.

Through few spruce, cottonwood, birch, dense alder and

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Meanders, T. 1 S., R. 2 W.

willow overhanging the banks. 8. 53" V. 1.60 chs. Bank 5 ft. nigh. S. 79° Ψ. 4.10 Cutting in fast. S. 72º Ψ. 4.60 10 S. 72° Ħ 4 6.80 S. 53° 77. 2.90 亸 S. 24° H Π. 8.60 Bank 8 ft. high. Cutting in fast. S. 11%° W. 6.90 # S. 30 Ζ. Ħ 5.90 To meander cor. of fracl. secs. S. 19° E. 10.60 幦 12 and 13. Land, level; covered with moss. Soil, sandy; 3rd rate. Timber, spruce, cottonwood, birch and alder; alder and willow brush. At this meander cor. of fracl. secs. 12 and 13, at 10<sup>h</sup> 00<sup>m</sup> a.m., 1.m.t., August 24, I set off 64° 50' N. on the lat. arc and 11° 19' N. on the decl. arc, and determine a meridian with the solar. Thence I run with meanders in sec. 13. Through few spruce and birch timber and dense overhanging alder and willow. Bank 8 ft. high. Cutting in fast. 6.50 chs. S. 13° Ξ. S. 11º 5.30 Ε. 14 s. 70 ₩. 7.30 н At 5.00 chs. along course, a grave S. 45° ₩. 8.20 marked with a head and foot board and nound of stone; probably some man frozen to death. Dense low willow brush. Pank 6 8. 68\* 40 у. 6.00 ft. high. N. 86° 14 Υ. 5.90 N. 68° ÷. 3.50 76 H N. 63° Ψ. 4.50 # N. 55° Π. 7.00 Ħ N. 55° Ν. 9.00

'et

7. 12.30

Cherron an £ ١Ç

N. 77º

N. 84° W. 4.50 chs. To meander cor. of fracl. secs. 13 5.85° ¥. 8.03 \* and 14. Land, level. Soil, sandy; 3rd rate. Timber, spruce, birch, dense alder and willow. Thence in sec. 14. Through spruce timber and dense alder and willow brush. S. 71+° W. 4.10 chs. Banks 8 ft. high. S. 69° 3,50 # Cutting in fast. ₩. 4 At 1.00 ch., Cripple Creek, 50 lks. S. 58° W. 6.80 wide, 4 ft. deep, muddy water, course UW. At 3.00 chs., Mrs. Alice Hyde's house, bears N. 1.00 ch. S.35° ₩. 10.40 **9**8 S. 34º 7. 9.10 S. 67° %. 47 2.40 S. 61° ₩. 4 3.40 5. 26° W. 24.00 11 At 2.00 chs., house bears W. At 80 W. 11.60 ₹ŧ 5. 8.00 chs., Mrs. Bailey's house, bears W. House close to bank. To meander cor. of frac1. secs. 14 8. 2° 2.12.00 \* and 23. Land, level. Soil, sandy; 3rd rate. Timber, spruce, alder and willow; dense alder and willow brush. Thence in sec. 23. Through dense alder and willow brush. Bank 8 ft. high. Sutting fast. S. 12° E. 13.50 chs. At end of course, slough intake, 1.00 ch. wide, bears SW. Slough deep, full of grass. 11 S. 10° E. 12.70 S. - 20 7.90 ä. Ħ S. 24° ₩. 6,60 H S. 46° ₩. 5.15

5. 66° W. 3.80 " Bank 4 ft. high.

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102	<u>Leunders T. 3 C. 5. 2 W.</u>
ι.	<ul> <li>S. 82° W. 13.30 chs. At 12.00 chs., nouth of deep grass- sy slough, course S.</li> <li>S. 71° W. 11.70 "</li> <li>S. 45° W. 14.40 " At 2.00 chs., house bears N. 50 lks. To meander cor. of fracl.</li> </ul>
	secs. 22 and 23. Land, level.
	Coil, sandy; 3rd rate.
	No large timber.
	Dense alder and willow.
	Thence in sec. 22.
	Through few spruce and thick alder and willow.
	S. 32° W. 10.10 chs. Banks 7 ft. high. Cutting fast.
•	S. $16\frac{1}{2}^{\circ}$ W. 11.50 " To meander cor. of fract. secs." 22 and 27.
•	Land, level.
	Soil, sandy; 3rd rate.
	Timber, spruce, alder and willow; cottonwood and dense
	alder and willow brush. August 24, 1911.
	At meander cor. of fracl. secs. 22 and 27, August 25, at 8 <sup>h</sup> 0 <sup>m</sup> a.m., l.m.t., I set off on the lat. arc.64° 48' N.,
	and 11° Ol' N. on the decl. arc, and determine a meridian with the solar.
	Thence I run with meanders in sec. 27.
	Through spruce, dense alder and willow.
	S. 12° W. 2.90 chs. Bank 7 ft. nigh.
	S. 33° W. 3.60 "
 ¢	S. 1° E. 3.20 " To W.C. to M.C. of Chena townsite, which is an iron pipe, 3 ins. diam., 1 ft. above ground,
(i, ·	<pre>marked M C Cor 4 on side next to stream; witnessed by pit and mound and bearing tree. This cor. should have been marked W C M C as con No. 3 of Chena townsite, Survey No.436, bears 18.46 chs. dist., N. 24° 54' W. The true meander cor. is over bank on gravelly bottom along edge of water.</pre>
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Thence with meanders as recorded in Survey No. 436. S. 24° 54' E. 1.05 chs. At this point, leave meanders and s. 11º 49' 3. 21.50 \* meander around Loper Island. At end of course, right bank of Marconi Slough. Thence across Marconi Slough. Hend of slough is jaumed with old drift wood. At 5.00 che., Ξ.  $4^{\circ}$ Υ. 8.50 . 44 left bank of slough, course S. 55° W. Low banks. Thence through alder 62 S. 12° ¥. 6.80 and willow and cottonwood. 7.40 4 < 8. 22° 147 H S. 60° ¥. 4.40 🗁 West 3.30 - N. 43° Ψ. 2.90 - 65 N. 25° Ψ. 6.70 11 3.50 Mack Loper's house, bears M. N. 31° ₩. 1.00 chain. Old wircless station. N. 45%
 W. 4.10 To cor. at end of 3rd meander N. 353° W. 2.12 N course, recorded in Survey No. 436, which is a spruce post, 3x3 ins., 3 ft. above ground; pits, 2. and W. of cor. 3 ft.

Land, level.

Soil, sandy; 3rd rate.

Timber, cottonwood, spruce, alder and willow.

Leanders of Left Bank of Chena River, Down Stream.

of certh.

dist., 36x24x12 ins.; and mound

backed up and become stagnant.

At meander cor. of fracl. secs. 7 and 12 on M. bdy. of Tp. Thence with meanders I run in sec. 12. Through spruce, cottonwood and few birch, dense alder and

willow.

s.	57 <u>*</u> °	्म के क	9.30	chs.	Bank 6 ft. high. At 4.50 chs., E. bank of dry channel. At 8.00 chs., U. bank beers S.
8.	54.0	₩.	3,50	41	Sand and gravel bar forming along bank.
s.	17.0	у.	7.70	74	Bank 2 ft. high; send bar forming along bank.
s.	1510	₩.	6.30	**	
s.	6 <u>1</u> 0	₩.	4.90	"	Bank 4 ft. high.
ε.	48°	1.7 	5,53	13	End of sand bar, at beginning of this course. At 2.00 chs., W. bank of dry channel. At 4.50 chs., M. bank of channel, course SW. At nouth river water has

Recalders, T. 1 S., R. 2 g.

To meander cor. of fracl. secs. 12 and 13. Land, level. Soil, sandy; 3rd rate. Timber, spruce, cottonwood, birch, alder and willow. August 25: At meander cor. of frac1. secs. 12 and 13, at: 2<sup>h</sup> O<sup>m</sup> p.m., l.m.t., I set off 64° 50' N. on the lat. arc, 10° 55' N. on the decl. arc, and determine a meridian with the solar. Thence I run with meanders in sec. 13. Through dense alder and willow. 34º W. s. 5.00 chs. Bank 4 ft. high. S. 22° Β. 4.00 Few spruce and cottonwood, alder and willow. s. 80 Ψ. 3.40 Bank 5 ft. high. Cutting in fast. At 1.00 ch., leave alder and , willow, enter clear space, few scattering spruce, dead, bear B. 64º W. s. 4.50 410 W. 63 δ. 4.40 S. 28% V. 5.90 Ħ Bank 6 ft. high. Cutting fast. S. 41° ₩. 6.20 Bank 5 ft. high. Cutting fast. Thick sall dead spruce. S. 61% W. Bank 3 ft. high. 3.40 Ħ S. 80° 7. 5.80 Bank 5 ft. high. N. 8544 W. 41 5.30 Cutting away fast. N. 765° W. 8.60 N. 622° W. 3.00 Spruce, few birch, alder and willow. N. 53° Ψ. 8.90 Bank 4 ft. high. N. 5920 W. 5.20 11 Bank 5 ft. high. Cutting in fast. From beginning of course, cabin bears N. 881° W., about 5 chs. Bank 3 ft. uigh. From beginning of course, Geo. H. Johnston's Init-N. 62° 4.60 Ψ. ial Post (NM. cor.) of homestead bears S. 431° E., about 2.00 chs. Dense willow brush. N. 69%° ". 3,10 N. 78° Π. 7.30 N. 88%° 7. 4.60 S. 77° η, Ŧ\$ 4.00 S. 64° Ψ. 3.25 To meander cor. of fracl. secs. 13

and 14.

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104

105 Land, level. Soil. sandy; 3rd rate. Timber, spruce, cottonwood, birch, alder and willow; dense alder and willow. Thence I run with meanders in sec. 14. Through few spruce, cottonwood, birch timber, dense alder and willow brush. S. 69g° W. 6.50 chs. Bank 3 ft. high. S. 512° %. 4.30 " S. 342° V. 8.20 " S. 30° V. 15.40 " Bank 6 ft. high. Cutting in fast. S. 382° #. 7.00 " At 6.00 chs., enter heavy growth of cottonwood, bears SE. S. 28% W. 13.10 17 Bank 3 ft. high. 40 s. E. 7.00 To meander cor. of frach, secs. 14 S. 1º 1. 11.71 " and 23. Land, level. Soil, sandy; 3rd rate. Timber, spruce, cottonwood, birch, alder and willow. Thence in sec. 22. Through few spruce, cottonwood, birch, thick alder and willow. S. 74° W. 4.40 chs. Bank 3 ft. high. S. 134° H. 18.30 " Bank 4 ft. nigh. Cutting in fast. S. 3<sup>1</sup>/<sub>2</sub>° E. 6.30 " Spruce, cottonwood and birch heav-1° W. 8.60 \* S. ier and thicker. Bank 8 ft. high. At 7.4 chs., N. bank of grassy blough, 80 lks. wide, bears E. S. 1610 W. 2.90 • 4.30 . Bank 5 ft. high. S. 34° W. S. 495° W. 5.10

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	<u>Peanders, T. 1 S., R. 2 W.</u>
	S. 60% W. 4.20 chs. Bank 5 ft. high. Cutting in fast
	S. 73° ∛. 7.30 <sup>#</sup>
	S. 83° 4. 5.66 * Bank 6 ft. high.
	S. 81° W. 3.00 * Cutting in fast.
	S. 69% W. 4.30 "
	S. 534° W. 7.40 " Bank 3 ft. high. Sand bar formin along bank.
	S. 40° W. 9.10 "
	8. 262° W. 10.40 "
	S. $18\frac{1}{4}^{\circ}$ W. 6.23 "Sand bar along bank. To meander cor. of fract. sees. 23 and 26.
	Land, level.
•	Soil, sandy; 3rd rate.
	Timber, spruce, cottonwood, birch, alder and willow.
e t	Dense alder andwillow brush.
	Thence I run with meanders in sec. 26.
	Thence I run with meanders in sec. 26. Through dense alder and willow; A sand bar is forming
	Through dense alder and willow; A sand bar is forming
	Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet.
	Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.
	Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank. S. 15 <sup>1</sup> / <sub>2</sub> ° W. 9.20 chs. Bank 2 ft. high.
	Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank. S. 15 <sup>1</sup> / <sub>2</sub> ° W. 9.20 chs. Bank 2 ft. high. S. 1 <sup>1</sup> / <sub>2</sub> ° S. 9.10 "
	<ul> <li>Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.</li> <li>S. 15<sup>1</sup>/<sub>2</sub>° W. 9.20 chs. Bank 2 ft. high.</li> <li>S. 1<sup>1</sup>/<sub>2</sub>° E. 9.10 "</li> <li>S. 8<sup>1</sup>/<sub>2</sub>° E. 12.00 "</li> <li>S. 2° E. 8.00 "</li> <li>S. 6° E. 2.30 " At end of course, bank changes to</li> </ul>
	Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank. S. 15 <sup>1</sup> / <sub>2</sub> ° W. 9.20 chs. Bank 2 ft. high. S. 1 <sup>1</sup> / <sub>2</sub> ° Z. 9.10 " S. 8 <sup>1</sup> / <sub>2</sub> ° Z. 12.00 " S. 2° Z. 8.00 "
	<ul> <li>Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.</li> <li>S. 15<sup>1</sup>/<sub>2</sub>° W. 9.20 chs. Bank 2 ft. high.</li> <li>S. 1<sup>1</sup>/<sub>2</sub>° S. 9.10 "</li> <li>S. 8<sup>1</sup>/<sub>2</sub>° S. 12.00 "</li> <li>S. 2° S. 8.00 "</li> <li>S. 6° E. 2.30 " At end of course, bank changes to 4 ft. high, cut bank.</li> <li>S. 2<sup>1</sup>/<sub>2</sub>° W. 4.50 " Large spruce and cottonwood; Banl</li> </ul>
	<ul> <li>Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.</li> <li>S. 15½° W. 9.20 chs. Bank 2 ft. high.</li> <li>S. 1½° E. 9.10 "</li> <li>S. 8½° E. 12.00 "</li> <li>S. 2° E. 8.00 "</li> <li>S. 6° E. 2.30 " At end of course, bank changes to 4 ft. high, cut bank.</li> <li>S. 2½° W. 4.50 " Large spruce and cottonwood; Banl 5 ft. high.</li> <li>S. 7° W. 4.10 " Thick alder and willow.</li> <li>S. 20½° W. 7.25 " To meander cor. of fract. secs. 26 and 27.</li> </ul>
·	<ul> <li>Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.</li> <li>S. 15<sup>1</sup>/<sub>2</sub>° W. 9.20 chs. Bank 2 ft. high.</li> <li>S. 1<sup>1</sup>/<sub>2</sub>° E. 9.10 "</li> <li>S. 8<sup>1</sup>/<sub>2</sub>° E. 9.10 "</li> <li>S. 2° E. 2.30 " At end of course, bank changes to 4 ft. high, cut bank.</li> <li>S. 2<sup>1</sup>/<sub>2</sub>° W. 4.50 " Large spruce and cottonwood; Banl 5 ft. high.</li> <li>S. 7° W. 4.10 " Thick alder and willow.</li> <li>S. 20<sup>1</sup>/<sub>4</sub>° W. 7.25 " To meander cor. of fract. secs.</li> </ul>
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	<ul> <li>Through dense alder and willow; A sand bar is forming along the bank; a slough, about 60 lks. wide, bet. sand bar and bank.</li> <li>5. 15½° W. 9.20 chs. Bank 2 ft. high.</li> <li>S. 1½° E. 9.10 "</li> <li>S. 8½° E. 12.00 "</li> <li>S. 2° E. 8.00 "</li> <li>S. 2° E. 2.30 " At end of course, bank changes to 4 ft. high, cut bank.</li> <li>S. 2½° W. 4.50 " Large spruce and cottonwood; Banl 5 ft. high.</li> <li>S. 7° W. 4.10 " Thick alder and willow.</li> <li>S. 20¼° W. 7.25 " To meander cor. of fract. secs. 26 and 27. Land, level.</li> </ul>

Thence with meanders in soc. 27. Through thick alder and willow.

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15.27 100.18 × 93.93 × 70598.59 V 87.61 V 87.61 × 99.10 × 63.82 × 62.25 × 25.20 × 116.77 × 160.92 × 42.38 × 32.25 107.25 × 104.00 × 52.00 88.03 × 86.70 × 89.25 × 21.60 ¢' 21.60 81.97 37,23 37.23 100.45 73.81 107.63 56.45 8.74 20/3.38 13. 25m. 201335

To point where 8. 29° ₩. 5.80 chs. Bank 5 ft. high. Chena flows into Tanana River. Thence up the Tanana side of river in sec. 27 to meander cor. of 2.94 ų, S. 73º Ε. fracl. secs. 26 and 27. Land, level.

Soil, sandy; 3rd rate.

Timber, dense alder and willow.

#### GENERAL DESCRIPTION.

This township contains level and nountainous land, and the soil is mostly of sandy nature, which can be classed as third rate. The soil of the bottom land along the Tanana River is of a fine sandy sediment. On some of the hills where fire has destroyed the timber, a thin layer of loam has been formed by the leaves and ashes, which is covered with an abundant growth of wild red top grass.

A small portion of the surface land is stony along right bank of Tanana River in section 33.

The main ridge of mountains extends from the SW. corner almost to the NE. corner of township. A little over onehalf of the township is mountainous, and the remainder is level land, drained by the Tanana and Chena Rivers.

The level ground is covered with tussocks and is partly swampy. Spruce, birch and cottonwood is found scattered over the level ground.

The Tanana River is a large, swift, muddy stream, its average width being about three-fourths of a mile. The River has many small sandy islands; thus cutting it up into many onannels, which are deep, swift and difficult to navigate.

On account of the sandy nature of the islands, and banks, they are constantly changing.

Along the banks of the Tanana River is found spruce, birch, cottonwood, alder and willow, and some tamarack.

The spruce is from 6 to 12 inches in diameter--a few about 15 inches in diameter; the birch and cottonwood vary from 4 to 10 inches in diameter, ranging from 40 to 70 feet in height.

The Chena Niver is about 6.00 chains in width, and is navigable as far up as Fairbanks. It flows in the Tanana River near the eastern boundary of section 27. Along the banks is found a heavy growth of alder and willow, few spruce, birch and cottonwood. Nost of the large timber has been cut off.

Along the south slopes of the main ridge, is found spruce, birch and poplar. The spruce is from six to fifteen inches in diameter; a few as large as two feet in diameter, the average being about twelve inches, which are right for cabin logs.

The birch and poplar is from eight to twelve inches in diameter, and grow as high as 100 feet.

Onena is a small town at the confluence of the Chena and Tanana Mivers, located in sections 27 and 28. This was a very busy little town of about 1,000 people during the gold strike in the Tanana Valley, but since then has been almost deserted, only three or four families living there now.

Placer mining for gold is carried on extensively in sections 5, 6, 7, 8 and 9, Ester, Ready Bullion and Eva Creeks being the producers. Mater Creek has been one of the main creeks in which mining has been carried on in the Fairbanks District. A great deal of prospecting has been done on Alder and Cripple Creeks.

Ester is a small mining damp of about 300 people, located in the northeast quarter of section 7.

Some quartz has been reported found in the north part of section 5.

There are fixe settlers in this township: E. W. Sigsbee, Smith, Goodfellow and Jones, Alice Hyde, and

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Loper, on loper Island at mouth of Chena River; Wenrich's homostead on Tearich Island, in Section 34, has been abandoned.

In Section 1 is located part of the U.S. Experiment Farm.

Two other settlers are Beldon and Henery Butke. Sigsbee, Hyde, Jones and Goodfellow, and Beldon raise very fine grain hay and potatoes. Henery Butke raises all kinds of vegetables; such as, potatoes, tonatoes, carrots, beets, turnips, radish, onions, lettuce, cabbage and rhubarb. Many of his vegetables took primes at the Tanana Valley Fair, held in Fairbanks, September 4 and 5, 1911.

W. H. Thorn,

U.S. Surveyor.

## FINAL OATHS OF DERXXX SURVEYOR AND HIS ASSISTANTS.

### LIST OF NAMES.

A list of the names of the individuals en	mployed by W. H. Thorn
• • • • • • • • • • • • • • • • • • •	ates Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the	foregoing field notes of the survey of
R. 2 W.; T. 1 S., R. 1 an	d. T. 1 8., R. 1 8.
showing the respective capacities in which the	y acted:
A. T. Herris	• • • • • • • • • • • • • • • • • • •
Ralph Cairns	, Chainman.
R. W. Bowldby	Moundman.
Geo. Haines	
Chas. Edwards	Axman.
Thos. J. Shaw	Ylagpan.
	Flagman.
FINAL OAT	TH OF ASSISTANTS.
We hereby certify that we assisted	<u> . Н. Thorn</u>
	United States Deputy Surveyor, in surveying all
those parts or portions of the Township.	South, Range 2 West; Township 1 South,
Range 1 West; and Township 1 Sc	outh, Range 1 East
·	. ·
	of the Fairbanks
base and meridian, Terr	titory of Alaska, which are represented
has been in all respects, to the best of our k	rveyed by him and under his direction; and that said survey mowledge and belief, well and faithfully surveyed, and the the instructions furnished by the United States Surveyor
General for _Alaska.	·
	(Signed) A. T. Harris , Chainman.
	(Signed) Ralph Cairns , Chainman.
	(Signed) E. W. Bowldby Moundman.
	(Signed) Geo. Haines Akman.
······································	(Signed) Chas. Edwards , Axman.
	(Signed) Thos. J. Shaw Elsonan.
	(Signed) John N. Cannon , Flagman.
Subscribed and sworn to before me this our	teenth
day of October 1911	(Signed) V. H. Thorn,
SOCOOD SEAL C COCOOC	U.S. Surveyor.
6-15]	· · · · · · · · · · · · · · · · · · ·

# FINAL OATH OF UNITED STATES DERMIN SURVEYOR.

base and meridian, in the Territory of Alas foregoing field notes as having been surveyed by me, and under swear that all the corners of said survey have been established a the Manual of Surveying Instructions ANALAS AN	<pre>// well, faithfully, and truly, in my ow and the lave of the Unite // in the lave and lave is the my direction; and I do further solemnl nd perpetuated in strict accordance wite // intel in the field notes, and the should any fraud be detect der the provisions of an // W. H. Thorn United States // Surveyo</pre>
EXERCISE       States         INFRESSION       Surveyed all those parts or portions of	ip 1 South, Range 2 West; p 1 South, Range 1 East of the Fairbanks ka, which are represented in the my direction; and I do further solemning the detect of the provisions of an the should any fraud be detect der the provisions of an United States With Surveyo
EXERCISE       SCIENCES         INFRESSION       Surveyed all those parts or portions of	ip 1 South, Range 2 West; p 1 South, Range 1 East of the Fairbanks ka, which are represented in the my direction; and I do further solemning the detect of the provisions of an the should any fraud be detect der the provisions of an United States With Surveyo
TERRETING, surveyed all those parts or portions of	<ul> <li>ip 1 South, Range 2 West;</li> <li>p 1 South, Range 1 East</li> <li>of the Fairbanks</li> <li>ka , which are represented in the my direction; and I do further solemn and perpetuated in strict accordance with the should any fraud be detect der the provisions of an</li> <li>W. H. Thorn United States With Surveyor</li> </ul>
Township 1 South, Range 1 West; and Townshi base and meridian, in the Territory of Alass foregoing field notes as having been surveyed by me, and under swear that all the corners of said survey have been established a the Manual of Surveying Instructions Andreas and in the specific man the foregoing are the original field notes of such survey, and ed, I will; suffer the penalty of perjury un Aot of Congress approved August 3, 1846. (Signed Subscribed by said <u>W. H. Thorn</u> , and sworn the this twentiethay of April 10012. Cha Cha Description of Congress Survey B APPROVAL. OFFICE OF THE UNITED STATES SURV Juneau, The foregoing field notes of the survey of the subdiv Township No. 1 South, Range No. 2 West of t	p 1 South, Range 1 East of the Fairbanks k9, which are represented in the my direction; and I do further solemn nd perpetuated in strict accordance wi constant of the strict accordance wi constant of the strict accordance with the strict ac
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base and meridian, in the Territory of Alas foregoing field notes as having been surveyed by me, and under swear that all the corners of said survey have been established a the Manual of Surveying Instructions, xxxxxxxx, and in the specific man the foregoing are the original field notes of such survey, and ed, I will; suffer the penalty of perjury un Act of Congress approved August 8, 1846. (Signed Subscribed by said <u>Y. H. Tilorn</u> , and sworn the this twentiethay of <u>April</u> , <b>1902</b> . Cha Subscribed by said <u>F. H. Tilorn</u> , and sworn the this twentiethay of <u>April</u> , <b>1902</b> . Cha Subscribed by said <u>F. H. Tilorn</u> , and sworn the this twentiethay of <u>April</u> , <b>1902</b> . The foregoing field notes of the survey of <u>the</u> subdiv Township No. 1 South, Range No. 2 West of the	of the Fairbanks ka, which are represented in t my direction; and I do further solemn nd perpetuated in strict accordance wi constant of the strict accordance wi accordance with the strict accordance with the str
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base and	ka, which are represented in t my direction; and I do further solemn nd perpetuated in strict accordance with any mer described in the field notes, and th should any fraud be detect der the provisions of an ) W. H. Thorn United States
foregoing field notes as having been surveyed by me, and under swear that all the corners of said survey have been established a the Manual of Surveying Instructions <b>XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX</b>	my direction; and I do further solemn nd perpetuated in strict accordance wi <b>EXERGINATION STRUCT STRUCT</b> ner described in the field notes, and th should any fraud be detect der the provisions of an ) W. H. Thorn United States
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EXEMPTION XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ner described in the field notes, and th should any fraud be detect der the provisions of an ) W. H. Thorn United States
the foregoing are the original field notes of such survey. and ed, I will suffer the penalty of perjury un Aot of Congress approved August 3, 1846. (Signed Subscribed by said <u>W. H. Thorn</u> , and sworn t this twentieth day of <u>April</u> , <b>1912</b> . Cha Cha Cha Cha DEFICE OF THE UNITED STATES SURV Juneau, The foregoing field notes of the survey of <u>the</u> subdiv Township No. 1 South, Range No. 2 West of t	should any fraud be detect der the provisions of an ) W. H. Thorn United States
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Act of Congress approved August 3, 1846. (Signed Subscribed by said <u>W. H. Thorn</u> , and sworn t this twentiethday of <u>April</u> <b>1912</b> . Cha Cha Cha Cha Cha Cha DEFICE OF THE UNITED STATES SURV Juneau, The foregoing field notes of the survey of <u>the</u> subdiv Township No. 1 South, Range No. 2 West of t	) ¥. H. Thorn United States
Subscribed by said <u>W. H. Thorn</u> , and sworn this twentiethay of <u>April</u> , <b>1912</b> . Cha SEAL O SEAL O SEAL O SEAL O Cha APPROVAL. B APPROVAL. OFFICE OF THE UNITED STATES SURV Juneau, The foregoing field notes of the survey of <u>the subdiv</u> Township No. 1 South, Range No. 2 West of t	United States
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OFFICE OF THE UNITED STATES SURV Juneau, The foregoing field notes of the survey of the subdiv Township No. 1 South, Range No. 2 West of t	Deputy
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The foregoing field notes of the survey of the subdiv Township No. 1 South, Range Bo. 2 West of t	eror General,
The foregoing field notes of the survey of the subdiv Township No. 1 South, Range Bo. 2 West of t	Alaska, June 7, 191
Township No. 1 South, Range No. 2 West of t	
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and a second	
executed by	United States Surveyor
under his an and a conters , dated April 1, 191	
critically examined, and the necessary corrections and explanat	ions made, the said field notes, and t
surveys they describe, are hereby approved.	O K
d.	disting
	United States Surveyor Gener
R. 2 W., F.B. and N., has been correctly copied from	the above described surveine in T - 1 S
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Field Notes	
OF THE SURVEY OF THE	
OF THE SORVET OF THE	
EAST, WEST and BOUTH BOUNDARIES	
of	
TOWNBHIP No. 1 South, HANGE No. 1 West	
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end	
	· · · · ·
South Boundary	I 
••••••••••••••••••••••••••••••••••••••	
TOWNSHIP No. 1 South, RANGE No. 2 West	
·	- /
Of the <b>p-a-i</b>	
TERRITORY OF ALASKA.	<b>.</b>
AS SURVEYED BY	•
· · · · · · · · · · · · · · · · · · ·	**************************************
J. H. T. h o r n , United States <u>Deputy</u> Su	
<u>Inder bis Coptract. Non-annen de tedanannen annen a</u>	
Survey commencedJune 26, 1911,	, <b>*1%9</b>
Survey completed July 22, 1911	,-120
6—151	

### NAMES AND DUTIES OF ASSISTANTS.

Halph Cairns	Chainman.
A. T. Harris	Ch <b>ai</b> nm <b>an</b> .
	Axrıan.
	Axnan .
	Axman.
H.E.Gordon	lioundran.
fhos. J. Shew	
înos. J. Saaw	A A TOPALINES -
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6—152	
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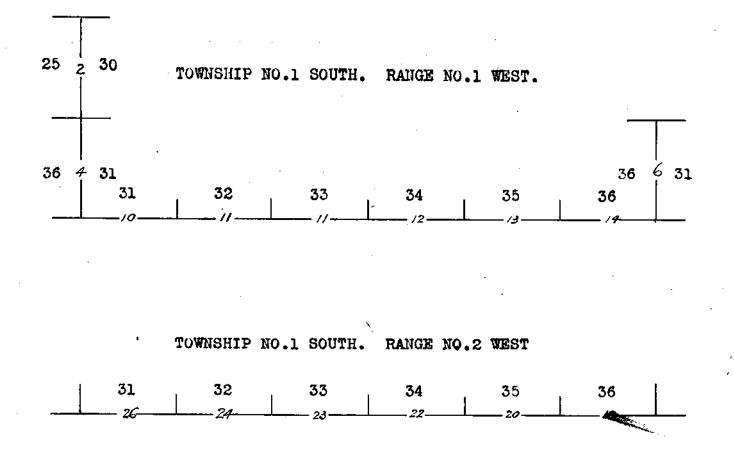
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### PRELIMINARY OATHS OF ASSISTANTS.

WE, Ralph Cairns	and A. T. Harris
· · · · ·	lly execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb	the tally pins, either by sticking or dropping the same; that
<b>u</b> . <b>.</b>	objects, and the true lengths of all lines that we assist in
L	d in accordance with instructions given us, in the survey of
0,	- · · ·
the south boundary of Townships banks base and meridian.	1 South, Ranges 1 and 2 West, Fair-
	(Signed) A. T. Harris, Chainman.
	,
	(Signed) Ralph Cairns , Chainman.
Subscribed and sworn to before me this <b>twent</b>	(meinth
day of June ,1921.	↓
	(Signed) W. H. Thorn,
REFER	
<b>沃尔之志之志</b> 之 <b>弟</b> 	U.S. Surveyor.
H.E. Gordon	
do solemnly swear that he will well and trul	y perform the duties of moundmen in the establishment
of corners, according to the instructions given	South, Ranges 1 and 2 West, Fairbanks
the south boundary of Township 1	
base and meridian.	· · · · · · · · · · · · · · · ·
	(Signed) H. S. Gordon Moundman.
Subscribed and sworn to before me this <b>twest</b> ,	y-sixth
day of <b>June</b> , <b>1911.</b>	
day of June	(Signed) W. H. Thorn,
演逐逐至重発 Main Strate Main	
	U.S. Surveyor.
	<b>-</b>
We Geo. Haines	
	and Chas. Edwards
do solemnly swear that we will well and truly p	and Ches. Edwards erform the duties of axmen in the establishment of corners
do solemnly swear that we will well and truly p	and Ches. Edwards erform the duties of axmen in the establishment of corners
do solemnly swear that we will well and truly p	and Chas. Edwards
do solemnly swear that we will well and truly p	and Ches. Edwards erform the duties of axmen in the establishment of corners
do solemnly swear that we will well and truly p	and Chas. Edwards erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability in the survey of I South, Ranges 1 and 2 West, Fairbanks (Signed) Geo. Haines , Arman.
do solemnly swear that we will well and truly p and other duties, according to instructions give the south boundary of Township base and meridian.	and Chas. Edwards erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability in the survey of South, Ranges 1 and 2 Set, Fairbanks (Signed) Geo. Haines , Axman. (Signed) Chas. Edwards , Axman.
do solemnly swear that we will well and truly p	and Chas. Edwards erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability in the survey of South, Ranges 1 and 2 Set, Fairbanks (Signed) Geo. Haines , Axman. (Signed) Chas. Edwards , Axman.
do solemnly swear that we will well and truly p and other duties, according to instructions give the south boundary of Township base and meridian.	andChas. Edwards erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability in the survey of 3 South, Ranges 1 and 2 West, Fairbanks (Signed) Geo. Haines
do solemnly swear that we will well and truly p and other duties, according to instructions give the south boundary of Township base and meridian.	and Chas. Edwards erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability in the survey of South, Ranges 1 and 2 West, Fairbanks (Signed) Geo. Haines , Axman. (Signed) Chas. Edwards , Axman. y-sixth
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# INDEX DIAGRAM.



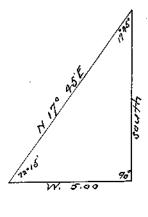
6—151

Chains Survey commenced June 26, 1911, and executed with a Young

& Sons light mountain transit, No. 8498, with Smith Solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of are, which is also the least count of the verniers of the latitude and declination arcs. The telescope is equipped with stadia wires, one foot reading on the rod is equal to a distance of two chains.

- I examine the adjustments of the transit, and find the line of collimation and levels in adjustment.
- On June 21, I examine and test the instrument at the astronomical station, in latitude 64° 50' 52" N., and longitude 147? 43' 33.7" W., Fairbanks, Alaska; established by the Coast and Geodetic Survey in 1910. The Astronomical Base bears N. 82° 16' W.
- At 10<sup>h</sup> 0<sup>m</sup> a.n., l.m.t., I set off 64° 51' N. on the lat. arc; 23° 28' N. on the decl. arc, and determine a meridian with the solar. From the meridian thus determined, the signal at W. end of Astronomical Base, bears N. 82° 15' W.
- 1 set off 23° 28' N. on the decl. arc, and at 12<sup>h</sup> 1<sup>n</sup> 18<sup>s</sup> p.n., l.n.t., observe the sun on the veridian: the resulting latitude is 64° 51' N. This is within 8" of true latitude of the station.
- At 3<sup>h</sup> 0<sup>m</sup> p.m., l.mt., I set off 64° 51' N. on the lat. arc, and 23° 28' N. on the decl. arc, and determine **a** meridian with the solar; from the meridian thus determined, the flag at the west end of astronomical station bears N. 82° 16' W.
- At the cor. of secs. 19, 24, 25 and 30, W. bdy. of T. 1
  S., R. 1 W., F.B.M., lat. 64° 48' 20" N., long. 147°\_\_W.,
  which is a spruce post, 4 inc. sq., 1½ ft. above ground,
  correctly marked, as set in previous official survey.
  I set off 64° 48' 20" N. on the lat. arc, and 23° 24' N.

- Chains on the decl. arc, and determine a meridian with the solar, at 9<sup>h</sup> 0<sup>n</sup> a.n., l.m.t. The meridian thus determined, checks with tack in hub, about 20.00 chs. to N. of cor. established by the Geological Survey in 1910. In this survey I use a 5.00-chain steel tape. Thence I run South bet. sees. 25 and 30. Through grassy lake, 1 ft. deep.
  - 4.00 Leave lake, enter swamp, with birch, brush and tussocks, bears 2. and V.
- 8.00 U.S. abandoned telegraph line, bears NW. and SE.
- 8.99 Meander corner on right bank of Tanana River, which is a spruce post, 4 ins. Eq.,  $1\frac{1}{2}$  ft. above ground, correctly marked and witnessed by 2 B.Ts., as set by the Goological Survey in 1910.  $S_{ee}$  page 190
  - To determine the dist. across to sand bar, I set a flag on line on sand bar, and leave flag at M.C. on right bank of river; from flag on sand bar I neasure a base W. 5.00 chs. dist. to a point from which flag at M.C.,



bears N. 17° 45' E.; from F.C. the W. end of base bears 5. 17° 45' W.; therefore, the dist. is cot. 17° 45' x base, or 3.1240 x 5.00 = 15.62 chs. I measure back 1.31 chs., and 15.62 + 8.99 -1.31 is

- 23.30 N. bank of sand bar, bears N. 60° W. and S. 60° M.
- 29.60 Enter thick alder and willow, bears E. and W.
- 34.70 Leave alder and willow; enter sand and gravel bar, bears E. and W.
- 36.66 S. bank of sand bar, bears S. 42° W. and N. 42° E.
- 39.00 N. bank of sand and gravel bar, bears S.  $42^{\circ}$  W. and N.  $42^{\circ}$  E.

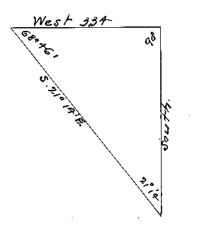
40.00 Point for 4 sec. cor. falls on sand bar; no cor. set. 42.71 S. bank of sand and gravel bar, bears S. 40° %, and N.

2

2.

Chains 40° E.

To determine dist. across to island, I set a flag on line



adross on N. bank of island; then I measure a base W. 3.34 chs. dist. to a point from which a flag bears 5. 21° 14' E.; the W. end of base bears N. 21° 14' W. from flag; therefore, the dist. is cot. 21° 14' x base,

or 2.57371 x 3.34 = 8.60 chs., and 42.71 + 8.60 is 51.31 N. bank of island, 5 ft. high, bears S. 65° W. and N. 65° E.; subject to overflow, 1 to 2 ft. deep.

Thence through alder and willow .-

54.63 S. bank of island bears S. 67° W. and N. 67° E.; enter gravelly shore.

55.98 Leave gravelly shore, bears S. 67° W. and N. 67° E.

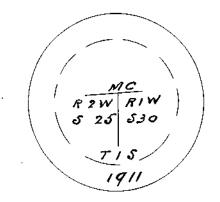
60.18 N. bank of small island, 3 ft. high, bears 5. 63° %. and

N. 63° E.; subject to overflew, about 6 ins. deep.

Thence through thick alder and willow, few cottonwood.

- 65.83 S. bank of island, 5 ft. high, bears 3. and W.
- 70.83 Gravelly shore, bears E. and W.
- 71.30 Left bank of Tanana River, 5 ft. high.

Set iron pipe, size 3, 24 ins. in the ground, for meander cor. of frac1. secs. 25 and 30, with bronze cap on top,



marked as in this diagram; from which

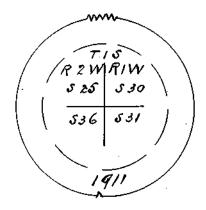
A spruce, 8 ins. diam., bears
S. 35° E., 22 lks. dist.,
marked 7 l S R l # S 30 MCBT.
A spruce, 6 ins. diam., bears

S. 4° W., 22 1ks. dist., marked T 1 S R 2 WS25 MC B T. Thence through heavy spruce, birch, cottonwood, alder and willow.

72.00 N. bank of narrow channel, 5 ft. nigh, 40 lks. wide, 31

Chains. ft. deep, course S. 78° W.

- 78.79 Leave heavy timber, enter swamp, bears N. 60° W. and S. 60° N.
- 79.79 Leave swamp, enter heavy timber, bears N. 60° W. and S. 60° E.
- 80.00 Set iron pipe, size 3, 24 ins. In the ground, for cor. of secs. 25, 30, 31 and 36, marked as in this diagram; from



which

- A spruce, 4 ins. diam., bears
  N. 2° E., 124 lks. dist., marked T 1 S R 1 W S 30 B T.
  A spruce, 8 ins. diam., bears
  S. 25° 40' E., 27 lks. dist.
- marked T 1 S R 1 V S 31 B T.
- A spruce, 6 ins. diam., bears S. 10° 45' W., 65 lks. dist., marked T 1 S R 2 W S 36 B T.

A spruce, 5 ins. in diam., bears N. 2° W., 145 1ks. dist., marked T 1 6 R 2 W 5 25 B T.

Land, level.

Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, birch, alder and willow. At this cor. June 26, I set off 23° 24' H. on the decl. arc, and at 12<sup>h</sup> 02<sup>m</sup> 23<sup>8</sup> p.m., l.n.t., observe the sun on the meridian; the resulting lat. is 64° 47<sup>1</sup>/<sub>2</sub>' N.

Thence I run south , bet. sees. 31 and 36,

Over level ground, through heavy timber, spruce, birch, cottonwood, alder and willow; heavy layer of moss in timber.

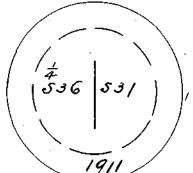
- 17.80 Leave big timber, enter small conuce and brush, bears E. and W.
- 23.20 Leave small spruce, and brush, enter swamp with large tussocks, bears NN. and SW.

30.00 Leave swamp with tussocks; enter small spruce, alder and

4

Chains. willow, bears N. 75° E. and S. 75° N.

40.00 Set iron pipe, size 1, 24 ins. in the ground, for # sec.



from which An Alder, 3 ins. digm., bears N. 15° E., 165 1ks. dist., marked

cor., marked as in this diagram;

4 S 31 B F.

An alder, 5 ins. diam., bears N. 6° W., 263 lks. dist., marked ‡ S 36 B T.

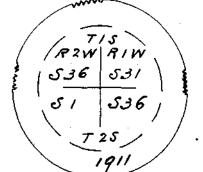
Leave small spruce, alder and willow; enter swamp with tussocks and birch brush, bears N. 79° E. and S. 79° W. 54.30 Leave swamp, enter grassy slough, 1 to 3 ft. deep, bears N. 65° W. and S. 65° E.

58.00 Leave slough, enter swamp with tussocks and birch brush, bears N. 65° W. and S. 65° E.

67.80 Leave swamp, enter grassy slough, 2 to 3 ft. deep, bears N. 75° W. and S. 75° E.

72.80 Leave slough, enter swamp with birch brush and few scattering dead spruce, bears E. and V.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of Ts. 1 and 2 S., Rs. 1 and 2 J., marked as in diagram;



dig pits, 24 x 24 x 12 ins. on each linc. N., E., V., 4 ft., and S. of pipe, 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2½ ft. high, S. of cor.

Land, level; last i mile marshy and difficult to survey. Soil, sondy; 3rd rate.

Timber, spruce, cottonwood, birch, alder and willow. June 26, 1911.

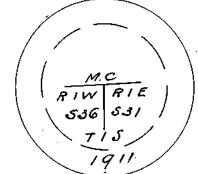
#### EAST BOUNDARY

June 27, 1911, at 8<sup>h</sup> 0<sup>m</sup> a.m., 1.m.t., I set off 64° 47<sup>b</sup>/<sub>2</sub>' N. on the lat. erc; 23° 23' N. on the decl. arc, and determine a meridian with the solar at the cor. of

6

- Chains. sees. 25, 30, 31 and 36, E. bdy. of T. 1 S., R. 1 W., F.B.M., which is a spruce post, correctly marked, as set in previous official survey, in 1910. Thence I run south , bet. secs. 31 and 36. Over level land, covered with Hons, tussocks, small spruce alder and willow.
- 18.00 Fairbanks-Valdez Trail, abandoned, bears E. and W.
- 18.45 Beander corner of secs. 31 and 36 on right bank of Tanana River, 4 ft. high, which is a spruce post, 4 ins. sq., lift. above ground, correctly marked and witnessed, as set in previous official survey.
- 21.35 N. bank of low sandy island, bank sloping, bears S. and W.
- 23.00 Enter low willow brush and few alder on sandy island, bears 2. and W.
- 42.00 S. bank of sandy island, bears E. and W.; subject to overflow, 1 to 2 ft. deep.
- 43.00 N. side of send bar, bears E. and W.
- 46.45 N. bank of Meridian Island, bank low and sloping to sand bar.

Set iron pipe, size 2, 24 ins. in the ground, for meander cor. of fracl. secs. 31 and 36, marked as shown in dia-



gram; dig pit, 36 x 36 x 12 ins., S. of cor., 8 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, S. of cor; from which

A spruce, 6 ins. diam., bears 3. 8° E., 212 lks. dist., marked T 1 5 H 1 E S 31 MCBT. A spruce, 8 ins. diam., bears 3. 5° 10' W., 188 lks.

dist., marked T 1 S R 1 V S 36 M C B T.

Through alder and willows.

48.45 Leave alder and willow, enter heavy spruce, cottonwood and birch, bears E. and W.

55.58 S. bank of Meridian Island, 5 ft. high, cutting away very

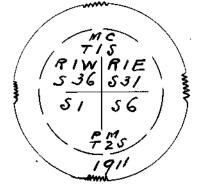
fast.

Chains. Set iron pipe, size 2, 24 ins. in the ground, for meander
cor. of frac1. sees. 31 and 36, marked
E C on S., and
T 1 S on N. side,
R 1 W S 36 on NW., and
R 1 E S 31 on NH. quadrant; dig pit 36 x 36 x 12 ins.,
N. of cor. 8 ft. dist.; and raise a mound of earth,
4 ft. base, 2 ft. high, N. of cor.; from which
A spruce, 6 ins. diam., bears N. 37 B., 39 lks. dist.,
marked T 1 S R 1 E S 31 M C B T.
A spruce, 5 ins. diam., bears N. 10° W., 74 1ks. dist.,
marked T 1 S F 1 W S 36 M C B T
To determine the dist. across to left bank of Tanana
River, I set a flag on line on left bank, and leave a
flag at meander cor. on S. bank of island; then go ac-
ross to left bank and measure a base %. 11.00 chs.
dist., to a point from which flag at M.C. bears N. 24°
21' E.; from M.C., the W. end of base bears S. 24° 21'
W.; therefore, dist. is cot. 24° 21' x base, or 2.20961

x 11.00 chs. = 24.30 chs., and 55.58 + 24.30 is 79.88 I measure S. 12 1ks. for M.C. and Tp. cor.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of Ts. 1 and 2 S., Es. 1 E. and 1 W., and for meander cor.

of secs. 31 and 36, marked as shown in this diagram;



٦.:

dig pits, 24 x 24 x 12 ins., on each line, N., H., W., 4 ft. dist. and S. of cor. 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2g ft. high, S. of cor., from which

8

A spruce, 5 ins. diam., bears N. 79° 50' E., 31 1ks. dist., marked T 1 S R 1 E S 31 h C B f.
A spruce, 4 ins. diam., bears S. 12° 50' E., 87 1ks. dist., marked T 2 S K 1 E S 6 B f.
A spruce, 6 ins. diam., bears S. 33° 15' W., 137 1ks. 7

Chains.

### e. dist., marked T 2 S R 1 W S 1 B T.

A cottonwood, 10 ins. diam., bears N. 9° 30' W., 21 1ks. dist., marked T 1 B R 1 W S 36 M C B T.

Land, level.

Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, birch, alder and willow.

#### SOUTH BOUNDARY

- June 27, at 10<sup>h</sup> J<sup>a</sup> a.m., 1.mt., I set off 64° 46' 36" N. on the lat. arc;23° 22' N. on the decl. arc, and determine a meridian with the solar, at cor. of Ts. 1 and 2 S., Hs. 1 E. and 1 W., heretofore described. The meridian thus determined checks meridian bet. Rs. 1 E., and 1 W., as I raise the telescope to the initial point and find that it intersects signal over initial point.
- At a point, 11 1ks. S. of said Tp. cor. in lat. 64° 46' 36" N., long. 147° 38' 33" W., I sight on signal on initial point and turn off from the meridian, an angle 89° 54' toward the W., and run N. 89° 54' W. on the secant S. of sec. 36, on a random line along the S. bdy. of T. 1 S., R. 1 W.
- 11.60 N. 9 1ks. from secant.

Set temp. meander cor. for frac. secs. 1 and 36.

33.78 N. 6 1ks, from secant.

Set tomp, meander cor, for frac, secs. 1 and 36.

40.00 N. 5 1ks. from secant.

Set temp. 1 sec. cor.

80.00 Set temp. cor. for secs. 1, 2, 35 and 36.

N. 89° 56' W., on the secant.

Through sec. 35 on a random line.

40.00 S. 4 1ks. from secant.

Set temp. 1 sec. cor. for sees. 2 and 35.

80.00 S. 6 1ks. from secant.

<u>8</u>\_\_

Chains Set temp. cor. for secs. 2, 3, 34 and 35.

June 27, 1911.

N. 89° 58' W., on the secant, through sec. 34, on a random line.

- 40.00 S. S 1ks, from secant. Set temp. 1 sec. cor. for secs. 3 and 34.
- 80.00 S. 9 1ks. from secont.

Set temp. cor for secs. 3, 4, 33 and 34.

W., on the secant, through sec. 33, on a random line.

40.00 S. 8 1ks. from secant.

Set temp. 1 sec. cor. of sec. 4 and 33.

80.00 S. 6 lks. from secant.

Set temp. cor. for secs. 4, 5, 32 and 33.

5. 89° 58' W., on the secant, through sec. 32, on a ran-

dom line.

40.00 S. 4 lks. from secant.

Set temp. 1 sec. cor. for secs. 5 and 32.

80.00 Set temp. cor. for secs. 5, 6, 31 and 32.

June 28, 1911.

S. 89° 56' #., on the secant, S. of sec. 31, on a random line.

- 40.00 N. 5 1ks. from secant. Set temp. 2 sec. cor. for secs. 6 and 31.
- 75.30 N. 10 1ks. from secant. From this point, the cor. of Ts. 1 and 2 S., Rs. 1 and 2 W., which is an iron pipe, heretofore described, beams N. 8 1ks. dist. The falling answers to a correction of 0° 0' 34", or 1-1/3 1ks. N. per mile.

10

Thence I run

Chains. S. 89° 59' 26" E., on a true line, bet. secs. 6 and 31, marking and blazing the line.

Over level swampy ground.

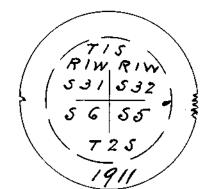
Through few dead scattering spruce, willows and large tussocks.

5.00 Leave scattering spruce, enter very swampy ground, tussocks and birch brush, bears N. 35° W. and S. 35° E.

19.40 Leave same; enter grassy slough, 2 to 3 ft. deep, bears N. and S.

- 21.70 Leave slough; enter swamp with tussocks and birch brush, bears N. and S.
- 30.00 Leave same; enter small scattering spruce and willows, bears N. 60° W., S. 60° E.
- 33.00 Leave same; enter swamp, with birch brush and tussocks, bears N. 30° W. and S. 30° E.
- 35.30 Set iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor., marked ‡ S 31 on N. side, and S 6 on S. side of cap; dig pits, 18 x 18 x 12 ins., E. and W. of cor., 3 ft. dist.; and raise a mound of earth, 3 \$ ft. base, 1\$ ft. nigh, N. of cor.
- 74.40 Leave swamp with brush and tussocks, enter few small dead spruce, bears N. 25° W. and S. 25° E.

75.00 Leave same, enter swamp with tussocks and birch brush. 75.30 Set iron pipe, size 3, 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked as in this diagram; dig



pits, 18 x 18 x 12 ins., in each sec., 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

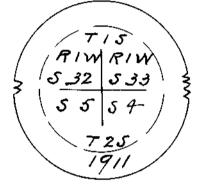
Land, level and very marshy; covered with light layer of mose.

Soil, under moss, sandy; 3rd rate. No timber; few small dead spruce, willow and birch brush. Very difficult to survey. 10

Chains, Thence I run

S. 89° 59' 26" E., on a true line, bet. sees. 5 and 32.
Over level swampy ground, through tussocks and birch brush.
40.00 bet iron pipe, size 1, 24 ins. in the ground, for ‡ sec.
cor., marked ‡ B 32 on N. side and S 5 on S. side of
cap; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3
ft. dist.; and raise a mound of earth, 4 ft. base, 1½ ft.
high, N. of cor.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of



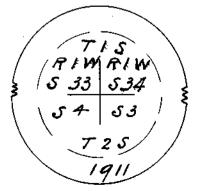
secs. 4, 5, 32 and 33, marked as shown in this diagram; dig pits 18 x 18 x 12 ins., in each sec. 5% ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level and marshy; layer of moss on ground. Soil, sandy; 3rd rate. No timber; thick birch brush. Very difficult to survey.

Thence I run S. 89° 59' 26" N. on a true line, bet. secs. 4 and 33. Over level ground, through swamp with tussocks and birch brush.

40.00 Set iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor., marked ≵ S 33 on R. side and S 4 on S. side of cap; dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft. dist., and raise a mound of earth, 3½ ft base, 1½ ft. high, N. of cor. ~

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of



sees. 3, 4, 33 and 34, marked as in this diagram; dig pits, 18 x 18 x 12 ins., in each sec.  $5\frac{1}{3}$  ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, 3. of eor. Chains. Land, level, Harsny; covered with light layer of moss. Soil, sandy; 3rd rate. No timber; dense birch brush.

Thence I run

5. 39° 59' 26" E. on a true line, bet. sees. 3 and 34. Over level ground, through swamp with tusseeks and birch brush.

- 12.00 Leave same; enter scattering dead spruce, bears NW. and SE.
- 25.00 Leave same; enter swamp with tussocks and birch brush, bears H. 20° %, and S. 20° %.
- 40.00 Set iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor., marked ‡ 3 34 on H. side, and S 3 on S. side of esp; dig pits, 18 x 18 x 12 ins., J. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, H. of cor.
- 50.60 Loave swamp with tussocks and birch brush; enter small dead spruce, bears N. 50° V. and G. 50° E.
- 54.20 Leave same; enter swamp with tussocks and birch brush, bears NW. and SM.
- 55.50 Leave same; enter small dead scattering spruce, bears N. and S.
- 60.25 Leave same; enter swamp with bruch and tussocks, bears N. 30° E. and G. 30° W.
- 73.00 Leave same; enter scattering dead spruce and few willows, bears 5. 10° W. and 5. 10° R.
- 78.00 Leave same: enter clear patch of solid firm ground with short birch brush, bears N. and S.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor.

715 WRIW 535 5.3 .٢

of secs. 2, 3, 34 and 35, marked as shown in this diagram; dig pits, 18 x 18 x 12 ins., in each sec., 5% ft. dist.; and raise a mound of carth, 4 ft. base, 2 ft. high, W. of cor. 12

Chains Land, level; nearly all marshy.

Soil, sandy; 3rd rate.

No timber, few small dead spruce, dense birch brush and some willow brush.

Difficult to survey.

Thence I run

S. 89°59'26"E.on a true line, bet. secs. 2 and 35.

Over level ground, through scattering small dead spruce and few tussocks.

- 4.15 Fairbanks-Bonnifield winter trail, bears N. and S.
- 5.00 Leave shall dead spruce, enter heavy spruce and birch timber, bears N. and S.; heavy layer of moss in green timber.
- 32.12 Leave timber; enter birch brush patch and few tussocks, bears N. and S.
- 35.00 Leave same; enter spruce, mostly dead, bears N. 65° W. and E. 65° E.
- 38.30 Leave same; enter swamp with tussocks, bears N. 80° W. and S. 80° E.
- 40.00 Set iron pipe, size 1, 24 ins. in the ground, for \$\$ sec. cor., marked \$\$ 35 on N. side and 3 2 on S. side of cap; dig pits, 13 x 18 x 12 ins., E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3<sup>1</sup>/<sub>2</sub> ft. base, 1<sup>1</sup>/<sub>3</sub> ft. high, N. of cor.; from which
  - A spruce, 7 ins. diam., bears S. 51° E., 159 lks. dist., marked  $\frac{1}{4}$  S 2 B T.

Leave swamp and tussocks; enter scattering spruce, mostly dead, bears N. 80° W. and S. 80° E.

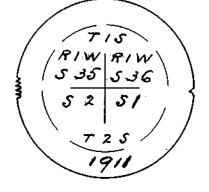
- 46.56 Leave same; enter swamp with tussocks, bears N. 70° E. and S. 70° W.
- 48.12 Leave same; enter willow and birch brush, bears N. 60° W. and S. 60° E.

50.20 Leave same; enter swamp with tussocks, bears N. 30° W.

Chains. and S. 30° Z.

- 51.00 Leave same; enter spruce and birch timber, few alder and willow in timber, bears N. 10° W. and S. 10° E.
- 63.00 Leave same; enter tussocks and birch brush 4 to 6 ft. high, bears N. and S.
- 66.50 Leave same; enter dead spruce with scattering willows, bears N. and S.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor.



of sees. 1, 2, 35 and 36, marked as in this diagram; dig pits, 18 x 18 x 12 ins., in each sec. 5½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level; moss on ground in timber.

Soil, sandy; 3rd rate.

Timber, spruce and birch, few alder and willow; alder and willow and birch brush.

Thence I run

S. 89° 59' 26" E. on a true line, bet. secs. 1 and 36. Over level ground, through soattering dead spruce and tussocks.

- 30.00 Spruce timber gets larger and thicker, with few scattering green timber.
- 40.00 Sot iron pipe, size 1, 24 ins. in the ground, for \$ sec. cor., marked \$ S 36 on N. side and S. 1 on S. side of cap; dig pits, E. and W. of cor. 3 ft. dist.; and raise a mound of earth, 3\$ ft. base, 1\$ ft. high, N. of cor.; from which
  - A spruce, 5 ins. diam., bears N. 75° W., 66 lks. dist., marked 1 S 36 B T.

A spruce, 5 ins. in diam., bears S. 2° W., 186 lks. dist., marked 🕇 S 1 B T.

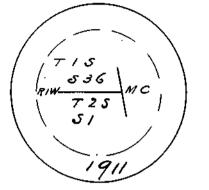
14

14

Chains.

46.22 Left bank of Tanana River, 5 ft. high; spruce, alder and willow along bank.

Set iron pipe, size 2, 24 ins. in the ground, for meander



cor. of frac. secs. 1 and 36, marked as shown in this diagram; dig pit, 36 x 36 x 12 ins., W. of cor. 8 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.; from which

A spruce, 12 ins. in diam., bears N. 85° W., 84 lks. dist., marked T 1 S R 1 W S 36 M C B T.

A spruce, 10 ins. diam., bears S. 76° W., 44 lks. dist., marked T 2 5 R 1 W S 1 M C B T.

Thence across channel to sand bar.

49.22 W, bank of sand bar, bears NW, and SE.

53.22 W. bank of low sandy island, 2 ft. high, bears NW. and SE. 55.22 Low willow and alder brush on island, bears N. and S. 63.22 E. bank of low sandy island, bears NE. and SW.; sand bar

along east bank of island.

67.00	E.	bank	of	sand	bar,	bears	ΰ.	20°	Ч.	and	N.	20°	E.

68.40 Left bank of Tenana River, 6 ft. high.

Set iron pipe, size 2, 24 ins. in theground for meander

cor. of frac. secs. 1 and 36, marked

M C on W. side,

R 1 W on E. side,

T 1 S S 36 on NE., and

T 2 S 5 1 on SE. quadrant; dig pit, 36 x 36 x 12 ins., E. of cor. 8 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, E. of cor.; from which

A spruce, 7 ins. diam., bears S. 2º W., 26 lks. dist., marked T 2 5 R 1 W S 1 M C B T.

A spruce, 6 ins. diam., bears N. 65° E., 82 1ks. dist., marked T 1 B R 1 W S 36 H C B T. Chains. Thence through spruce, cottonwood, alder and willow; light layer of moss in timber.

80.00 Cor. of Ts. 1 and 2 S., Rs. 1 E. and 1 W. Land, level. Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, alder and willow.

June 29, 1911.

· ·	Bounda	nties of	7.15.1	P. / W.		
Latit	udes -	Deportu	res and	Clasin	PETTO	<del>7</del> 5
:	True	•	Latitu			tures
Line Designated	Beating	Distance	N	5	Ē	W
M. Bdy TISPIN	, •	chs 473.80				473.80
E. " " "	South	480.00		480.00		
5 " " "	N8959'26"E	475.30		.08	475.30	
W	North	480.00	480,00			
Convergen	rcy	, ·				1.55
			480,00	480,08	° 475 <b>-3</b> 0	475.35
				480,00		<u>475.30</u>
			Error in le	rt 08.	Erroria d	lep05
			· · · · · · · · · · · · · · · · · · ·			

<u>BOUTH BOUNDARY OF T. 1 S., R. 2 W.</u>
July 19, at point 11 lks. S. of cor. of Ts. 1 and 2 S., and Rs. 1 and 2 W., which is an iron pipe, heretofore described, in lat. 64° 46' 36" N. and long. 147° 50' 37" W., I sight on the meridian bet. Rs. 1 and 2 W., and turn off from the meridian an angle 89° 54' toward the W., and run N. 89° 54' W. on the secant S. of sec. 36, on a random line, along the S. bdy. of T. 1 S., R. 2 W.

40.00 N. 5 lks. from secant.

Set temp. 4 sec. cor. for secs. 1 and 36.

80.00 Set temp. cor. for secs. 1, 2, 35 and 36.

At this temp. cor. of sec.1,2, 35 and 36, at 11<sup>h</sup> 45<sup>m</sup> p.m., 1.m.t., July 19, I observe Polarie at eastern elongation, and mark the line thus determined by a tack

16

Ι.

South Boundary of T. 1 S. R. 2 F.

- Ohains. driven in a wooden hub set firmly in the ground, 6 chs. N. of my station.
  - July 20, at 3<sup>n</sup> 0<sup>m</sup> a.m., 1.m.t., I turn off the azimuth of of Polaris, 2<sup>o</sup> 46<sup>t</sup> to the W. and mark the meridian thus determined by a tack driven in a wood hub, set firmly in the ground, W. of mark established night before. From the meridian thus determined, I turn off an angle to the E., and test secant S. of sec. 36, which is found to be correct.

Thence I run N. 89° 56' N., on the secant, through sec. 35, on a random line.

40.00 S. 4 1ks. from secant.

Set temp. 1 sec. cor. for secs. 2 and 35.

80.00 S. 6 lks. from secant.

Set temp. cor. for secs. 2, 3, 34 and 35.

Thence I run N. 89° 58' W., on the secant, through sec. 34, on a random line.

40.00 S. 8 lks. from secant.

Set temp. 2 cor, for secs. 3 and 34.

80.00 S. 9 1ks. from the secant.

Set temp. cor. for secs. 3, 4, 33 and 34.

July 20, 1911.

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Thence I run
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W. on the secant, through sec. 33, on a random line.

40.00 S. 8 1ks. from secant.

Set temp. 1 sec. cor. for secs. 4 and 33.

65.06 N. 7 1ks. from the secant.

Set temp. meander cor. for frac. secs. 4 and 33.

To determine dist. across Tanana River to large sand bar,

I set a flag on E. bank of sand bar. For a base line

18

22.5904

Chains. I make a preliminary triangulation to get length of base. From temp. M. cor. I set a flag on line on sand bar N. of cor., then I go across to flag and measure a base W. 7.73 cms. dist. to a point from which flag at temp. M.C. bears S. 18° 53' E.; from M.C., the W. end of base bears N. 18° 53' W. This is the longest base that could be obtained; therefore, the dist. is cot. 18° 53' x base, or 2.9235 x 7.73 = 22.59 chs. This dist. is used as the base to determine the dist. soross river on S. bdy. of Tp.

> From point 22.59 chs. N. of temp. M.C., the flag set on N. of sand bar bears 3. 70° 27' W.; from the flag on E. bank of sand bar, the N. end of base bears N. 70° 27' E.; therefore, dist. is cot. 19° 33' x 22.59 or 2.8161 x 22.59 = 63.61 chs.

and 63.61 + 65.06 = 128.67 chs. Sec. cor. of secs. 4, 5, 32 and 33 falls in river. 128.67 - 80.00 = 48.67 chs.

63.61045

5.70° 27'W

Thence I run on secant S. 89° 58' W. on a random line, through sec. 32.

- 40.00 Point for  $\frac{1}{4}$  sec. cor. of secs. 5 and 32 falls in the river.
- 48.67 Point where triangulation was made.
- 67.61 S. 1 lk. from the secant.

3 د ۱۹۰

Set temp. meander cor. for frac. secs. 5 and 32.

80.00 Set temp. cor for secs. 5, 6, 31 and 32.

Chains . Thence I run

5. 89° 56' 3. on the secant, S. of sec. 31, on a random line.

40.00 N. 5 lks. from the secant.

Set temp. 1 sec. cor. for sees. 6 and 31.

75.37 N. 11 1ks. from the secant.

From this point the cor. of Ts. 1 and 2 S., Rs. 2 and 3 W., which is a spruce post, 4 x 4 ins., properly set and marked and witnessed by pits and mound, bears N. 25 lks. dist.

This falling answers to a correction of 0° 02' or 4 lks. N. per mile. July 21, 1911.

Then I return to E. bdy. and run

N. 89° 58' V. on a true line, bet. secs. 1 and 36, marking and blazing the line.

Over level ground, through swamp with tussocks and birch brush.

28.20 Leave came; enter scattering dead spruce and few willows, bears NE. and SW.

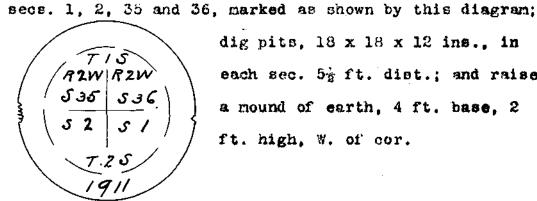
31.00 Leave same; enter swamp with birch brush and tussocks, bears N. and S.

- 40.00 Set iron pipe, size 1, 24 ins. in the ground, for ‡ sec.
  cor. marked, ‡ S 36 on N. side, and S.1 on S. side of cap;
  dig pits, 18 x 18 x 12 ins., E. and W. of cor. 3 ft.
  dist.; and raise a mound of earth, 3½ ft. base, 1½ ft.
  high, W. of cor.
- 45.00 Leave swamp with tussocks and birch brush; enter grassy slough, 2 ft. deep, bears NE. and SW.
- 49.60 Leave slough, enter small alder and willows, bears NE. and SW.
- 52.00 Leave same; enter swamp with birch brush and tussocks, bears R. and S.

55.00 Leave swamp, enter grassy slough, 3 ft. deep, bears N. 30° E. and S. 30° W. Chains.

59.00 Leave slough; enter swamp with tussocks and birch brush, bears N. 20° W. and S. 20° E.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of



dig pits, 18 x 18 x 12 ins., in each sec. 5g ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level, but nostly swampy with light layer of moss over surface. Soil, sandy; 3rd rate. No timber, few willows and thick birch brush. Land difficult to survey.

Thence 1 run

N. 89° 58' %. on a true line, bet. secs. 2 and 35. Over level ground, through swamp with tussocks and birch. brush.

4.00 Leave same, enter spruse, cottonwood, birch, alder and willow, bears NE. and SW.

6.57 Left bank of deep narrow channel from Tanana River.

7.65 Right bank of same channel; 5 ft. high, course S. 15° W. 34.00 Leave timber, enter bad marsh with heavy layer of mose on surface of water, 2 to 4 ft. deep, bears S. 50° W. and N. 50° E.

40.00 The temp. 2 sec. cor. fell in this marsh. No cor. was set.

45.77 Leave marsh, enter spruce, cottonwood, birch, few scattering temarack, elder and willow, bears N. 10° K. and S. 10° W.

At this point I set iron pipe, size 1, 24 ins. in the

191

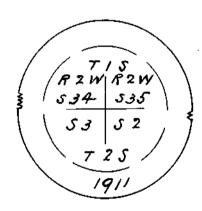
- Chains. ground for witness corner to  $\frac{1}{2}$  sec. cor. of secs. 2 and 35, marked as shown by this dia
  - gram: from which
  - A tomarack, 6 ins. diam., bears H. 21º 30' W., 60 1ks. dist., marked W C # 6 35 B T.
  - A spruce, 9 ins. diam., bears S. 33° W., 24 1ks. dist., marked

₩ C # 5 2 B T.

- 64.98 Point from which I take stadia reading to determine dist. acrees marsh.
- Leave timber, enter S. edge of impassable marsh, bears 67.00 NW. and SE.
- To determine the dist. across marsh, I take stading reading; the mean of two readings gives 7 ft. on the rod, equal to a distance of 14.00 chs., and 64.98 + 14.40 is 78.98 W. edge of impassable marsh, bears W. and S.

secs. 2, 3, 34 and 35, marked as shown by this diagram;

Thence through alder and willow, few spruce, and temarack. 80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of



dig pits, 18 x 18 x 12 ins., in each sec. 5% ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor., from which A spruce, 5 ins. diam., bears S. 1º 30' W., 47 1ks. dist., mark-

ed T 2 5 R 2 7 8 3 B T.

A tamarack, 6 ins. diam., bears 8. 15° E., 75 lks. dist., marked T 2 S R 2 N 5 2 B T.

Land, level and marshy.

Soil, sandy; 3rd rate.

Timber, spruce, cottonwood, birch, tomarack, alder and willow. Heavy layer of moss in timber.

Difficult ground to survey.

- Chains. Thence I run N. 39° 53' %, on a true line, bet. secs. 3 and 34. Over level ground, through alder and willow, few spruce and tussocks.
  - 6.00 Leave some; enter grassy slough, bears N. and S.
  - 9.00 Leave slough, enter small scattering spruce, bears N. 30° E. and S. 30° W.
  - 10.00 Leave same, enter short willow brush and tuseocks, boars N. and S.
- 19.00 Leave same, enter small spruce, bears NE. and SW.
- 25.00 Spruce more scattering, few scattering alder and willow.
- 35.00 Enter dense alder and willow and spruce, bears N. and S.
- 40.00 Det iron pipe, size 1, 24 ins. in the ground, for ‡ sec. cor. marked ½ S 34 on N, side and S 3 on S. side of cap; from which
  - A spruce, 5 ins. diam., bears N. 134° E., 49 1ks. dist., marked # 5 34 B T.
  - A spruce, 6 ins. diam., bears 5.  $71\frac{1}{2}^{\circ}$  E., 161 lks. dist., marked  $\frac{1}{4}$  S 3 B T.
- 43.00 Leave spruce, alder and willow; enter brushy patch with few tussocks, bears ME. and SW.
- 44.00 Leave same; enter spruce, alder, birch and willow, bears NE. and SW.
- 49.00 Leave same, onter brushy patch with tussocks, bears N. and S.
- 53.60 Leave same, enter small spruce and birch, bears N. 20<sup>9</sup>
  5. and S. 20<sup>9</sup> E.
- 58.00 Lesve same; onter patch of tussocks, bears N. 20° E. and G. 20° W.
- 61.00 Leave sene; enter small spruce and birch, bears NV. and SZ.
- 63.00 Leave same; enter birch brush and tussocks, bears Na. and SW.
- 66.00 Leave same; onter alder and willow, bears N. 65° %. and B. 65° W.

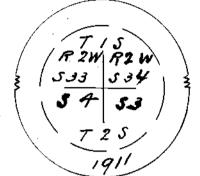
Cnains.

69.00 Leave same; enter scattering spruce, hirch and tamarack,

bears N.  $40^{\circ}$  E. and S.  $40^{\circ}$  W.

72.00 Timber gets thicker.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of



secs. 3, 4, 33 and 34, marked as
shown by this diagram; from which
A spruce, 4 ins. diam., bears N.
9° 30' E., 52 lks. dist., marked
T 1 S R 2 W S 34 B T.

A spruce, 4 ins. diam., bears S.

l° E., 39 1ks. dist., marked T 2 S R 2 W S 3 B T. A tamarack, 6 ins. diam., bears 3. 83° W., 41 1ks.dist., marked T 2 S R 2 W E 4, B T.

A birch, 5 ins. diam., bears N. 59° W., 50 lks. dist., marked T 1 S H 2 W S 33 B T.

Land, level,

Soil, sandy; 3rd rate.

Timber, spruce, birch and tamarack, alder and willow;

heavy layer of moss in timber.

Thence I run

N. 89° 58' W. on a true line, bet. secs. 4 and 33. Over level ground, through small spruce, alder and willow and few birch.

1.00 Leave same; enter birch brush and tussocks, bears N.and S. 7.40 Leave same; enter spruce, birch, alder and willow, bears

N. 20° E. and S. 20° W.

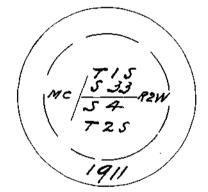
16.00 E. bank of slough, 1.40 chs. wide; 3 ft. banks, 3 ft. deep, hears NS. and SW.

21.70 E. bank of slough, 1.80 chs. wide; 3 ft. banks, 3 ft. deep, bears N. 60° W. and S. 60° E.

40.00 Set iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  S 33 on N. and S 4 on S. side of cap; from which Chains. A spruce, 5 ins. diam., bears N. 24° 30' E., 55 lks. dist., marked & S 33 B T.

- A spruce, 4 ins. diam., bears S. 15? E., 26 lks. dist., marked \$ 5 4 B T.
- 55.00 A 2-ft. bank bears N. and S.; perhaps once a channel of old river.
- 64.59 Left bank of Tenana River. Point 65.06, where temp. cor. was set, was too far W. for true line, meas. east 47 lks.

Set iron pipe, size 3, 24 ins. in the ground, for meander



cor. of frac. sees. 4 and 33, marked as shown in this diagram; from which

A spruce, 5 ins. dian., bears N. 81° E., 49 1ks. dist., marked T 1 S R 2 W S 33 M C B T.

A spruce, 6 ins. diam., bears 3. 14° 30' E., 56 lks. dist., marked T 2 S R 2 W S 4 H C B T. The remainder of mile fell in river. Land, level. Soil, sandy; 3rd rate.

• • •

Timber, spruce, cottonwood, birch, alder and willow. Heavy layer of moss in timber.

#### Thence I run

N. 89° 58' W., on a true line, bet. secs. 5 and 32. The first 48.67 chs. falls in the river.

48.67 E. bank of low sandy island, bears S. 25° W. and N. 25° E.

- 52.69 Enter alder and willow on island, bears S. 20° W. and N. 20° E.
- 63.67 Leave seme; enter grassy patch, bears NE. and SW.
- 65.00 W. bank of imland, bears S. 20° W. and N. 20° E. Thence across narrow channel.
- 67.61 Right bank of Tanana River, 6 ft. high.

Set iron pipe, size 3, 24 ins. in the ground, for meander

T 1 S 1721 S 35 1725 T 2 S 1911 diagram; from which
A spruce, 8 ins. diam., bears N.
76° W., 73 lks. dist., marked
T 1 S N 2 V S 32 M C B T.
A spruce, 10 ins. diam., bears
S. 28° W., 100 lks. dist., mark-

ed T 2 5 B 2 T 5 5 M C B T.

Thence through spruce, cottonwood, alder and willow. 72.20 U.S. telegraph line from Chena to Nenana, bears N. 10° W. and S. 10° 3.

77.62 Grassy clough, about 4 or 5 ft. deep.

78.90 W. side of slough, bears S. 20° W. and H. 20° E.; slough along base of hill.

Thence ascend very steep SX. slope; thick quakenasp on slope.

80.00 Set iron pipe, size 3, 24 ins. in the ground, for cor. of

secs. 5, 6, 31 and 32, marked as
shown in this diagram; from which
A spruce, 7 ins. diam., bears N.
39° Z., 85 lks. dist., marked
T 1 S R 2 W S 32 B T.

 1911
 A spruce, 6 ins. diam., bears S.

 11° Z., 83 lks. dist., marked T 2 S R 2 W S 5 B T.

A Spruce, 8 ins. diam., bears 3. 59% W., 144 1ks. dist., marked T 2 S R 2 W S 6 B T.

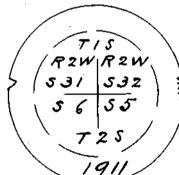
A spruce, 5 ins. diam., bears N. 54° W., 11 1ks. dist., marked T 1 S H 2 W S 31 B T.

Land, level and mountrinous; 1.10 chs. mountainous.

Soil, 2nd and 3rd rate; level land of sandy nature, 3rd rate; hilly land, 2nd rate.

Timber on level land, spruce, cottonwood, alder and willow. Timber on hilly ground, spruce and quaken asp.

Thence I run



- Chains. N. 89° 58' %. on a true line, bet. secs. 6 and 31. Over hilly ground, through spruce and quaken asp; ascend SE. slope.
  - 4.16 Small ridge bears SM and NW.; descend SW. slope.
  - 8.16 Small draw, course 0. 20° E.; ascend steep SW. slope.
  - 18.05 Change to descent of slight SW. slope.
  - 20.05 Small draw, course SE. Thence ascend steep SE. slope.
  - 37.73 Ridge bears S. 18° E. and N. 18° W.; enter heavy birch on ridge in spruce and quaken asp.
  - 40.00 Set iron pipe, size 1, 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  S 31 on N. and S 6 on S. side of cap; from which
    - A spruce, 12 ins. diam., bears N. 15° W., 10 lks. dist., marked \$ S 31 B T.
    - A spruce, 14 ins. diam., bears S. 352° W., 122 1ks. dist., marked 2 S 6 B T.

Thence over nearly level ground of ridge.

- 42.00 Begin gentle descent of SW. slope.
- 45.97 Small drain, course S. 70° W.; slight ascent for 1 ch., then descend steep western slope.
- 59.91 Leave heavy timber; enter fire killed spruce, bears N. and S.
- 65.87 Enter level bench land, bears N. 20° E. and S. 20° W.
- 75.37 Cor. of Ts. 1 and 2 S. and Rs. 2 and 3 W., neretofore described.

Land, mountainous.

Soil, 2nd and 3rd rate.

Timber, spruce, quaker asp and birch. Heavy growth of grass in burned timber and on bench land

W.H.Thorn,

U.S.Surveyor,

South Boundary of T.1 S.R.2 W. 27 Boundaries of T. I.S., R.2 W. Lotitude Deporture Line Designated True Bearing Distance N. S. E. W N. Bdy. T.IS. R. 2W. West 473.80 473.80 E.Bdy. TIS. RZW South 480.00 480.00 S. Bdy. T. IS. R. 2 W. S89°58'E 4-75.37 . 25 475.37 W.Bdy. TIS RIW North 480,00 48000 Convergency ; 1.55 Totals 480.00 480 25 475.37 475.35

480 00 47535

Errorin lat 25 ,02 Errorin Dep.

## FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

## LIST OF NAMES.

	• •• •• • •• ••		
	e individuals employ-	ed by	
***	, United States	leguty Surveyor, to assist in run	ning, measuring, and
marking the lines and corners d	escribed in the foreg	oing field notes of the survey of s	the south
boundary, Townships 1	and 2 Yest		
showing the respective capacitie	es in which they acte	d:	
A. T. Harr:	is	<u></u>	, Chainman.
Ralph Cair	<b>19</b>	<u>, , , , , , , , , , , , , , , , , , , </u>	, Chainman.
H. E. Corde	<u> </u>	<u></u>	, Moundman.
	·		, Moundman.
Geo. Haine	8	• • • • • • • • • • •	, Axman.
Chas. Edway	rds	* * * * * * * * * *	, Axman.
Thos. J. S	197	<u></u>	, Flagman.
F	INAL OATH C	OF ASSISTANTS.	
We hereby certify that	we assisted	H. Thorn	
		, United States Deputy Surve	eyor, in surveying all
those nerts or partians of the	outh boundary.	Townships 1. and 2.3e	<b></b>
base and	diam TETTILORY	St Algers -	which are represented
in the foregoing field notes as h has been in all respects, to the	aving been surveyed e best of our knowle	of <b>Alaska</b> , we be and belief, well and faithful and the belief of the belief of the United by the U	and that said survey lly surveyed, and the
in the foregoing field notes as h has been in all respects, to the	aving been surveyed e best of our knowle according to the in	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un	and that said survey lly surveyed, and the
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in <b>of Alaska</b> .	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un	and that said survey lly surveyed, and the lited States Surveyor
in the foregoing field notes as h has been in all respects, to the corner monuments established,	aving been surveyed e best of our knowle according to the in <b>of Alaska.</b> (Signed)	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un	and that said survey lly surveyed, and the nited States Surveyor 
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed)	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un <b>A. T. Harris</b> ,	and that said survey lly surveyed, and the lited States Surveyor , Chainman.
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed) (Signed)	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un A. T. Harris, Ralph Cairna, H. E. Gordon,	and that said survey lly surveyed, and the lited States Surveyor , Chainman. , Chainman.
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed) (Signed)	by him and under his direction; dge and belief, well and faithful nstructions furnished by the Un A. T. Harris, Ralph Cairns, H. E. Gordon,	and that said survey lly surveyed, and the nited States Surveyor , Chainman. , Chainman. , Moundman.
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for <b>the Territory</b>	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed) (Signed)	by him and under his direction; dge and belief, well and faithful nstructions furnished by the Un A. T. Harris, Ralph Cairna, H. E. Gordon, Ggo. Haines,	and that said survey lly surveyed, and the nited States Surveyor , Chainman. , Chainman. , Moundman. , Moundman. , Axman.
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed) (Signed) (Signed)	by him and under his direction; dge and belief, well and faithfu nstructions furnished by the Un A. T. Harris, Ralph Cairna, H. E. Gordon, Geo. Haines, Chas. Edwards,	and that said survey lly surveyed, and the nited States Surveyor , Chainman. , Chainman. , Moundman. , Moundman. , Axman.
in the foregoing field notes as h has been in all respects, to the corner monuments established, General for the Territory	aving been surveyed e best of our knowle according to the in of Alaska. (Signed) (Signed) (Signed) (Signed)	by him and under his direction; dge and belief, well and faithful nstructions furnished by the Un A. T. Harris, Ralph Cairna, H. E. Gordon, Ggo. Haines,	and that said survey lly surveyed, and the nited States Surveyor , Chainman. , Chainman. , Moundman. , Moundman. , Axman.

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## FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

l,	
solemnly swear that, in pursuance of a contract received	ed from
United States Surveyor General for	
proper person, and in strict conformity with the instr	
General for, the Mai	
United States, surveyed all those parts or portions of	
······	
	of the
meridian, in the	of, which are represented in the
foregoing field notes as having been surveyed by me, a	
swear that all the corners of said survey have been est	
the Manual of Surveying Instructions, and the special	vritten instructions of the United States Surveyor
General forand in the sp	ecific manner described in the field notes, and that
the foregoing are the original field notes of such surve	y; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of an $Aet$ of	f Congress approved August 8, 1846.

	United States Deputy Surveyor.
Subscribed by said, an	
this day of	, 189
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ő seal ő Golgoð	

#### APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Juneau, Alaska, June 7 1913, 180-

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··· 1

The foregoing field notes of the survey of the East, West and South Boundaries of	1
Tp.No.1 S.R.No.1 West and the South Boundary of Tp.No.1 S.R.No.2	٧.
Fairbanks Base and Heridian ************************************	2 <b>2</b>
	<b>z</b> =
	<b>F</b> #
	노철
executed by	
n <b>edes dérenénénénénénénénénénénénénénénénénénén</b>	ղ
critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.	e
United States Surveyor General	
I certify that the foregoing transcript of the field notes of the above-described surveys in	
.Territory of Alaska., has been correctly copied from the original notes on file in this office.	

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the original notes on file in this office. isten. . *. o* United States Surveyor General.

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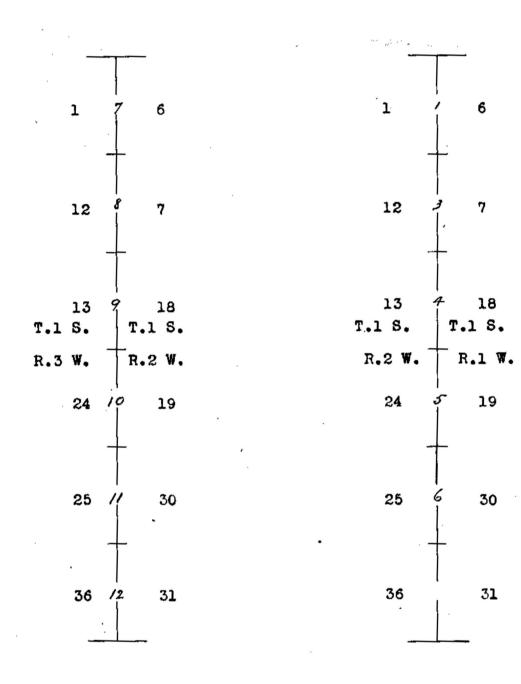
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End Alter to Alter 12, El 2014	4679.	· • •
John Strand		24
	Field Notes	
	OF THE SURVEY OF THE	
	of the societ of the	
	WEST BOUNDARY	
<b></b>	of	
TOWNSH	IP No. 1 SOUTH, BANGE No.	<u>1 VEST</u>
	and	
	West Boundary	·····
,	of	i
TOWNSH	IIP NO. 1 SOUTH, RANGE No.	2 VEST
0f th <b>æa.i</b>	rbanks Base an	<b>d</b> Meridian,
	TINRITORY OF ALASKA.	
	AS SURVEYED BY	
Under the direc	De, Unit ction of R. H. Sargent,	
Survey commenced	September 14, 1910	<b>xxxx</b> 9

## NAMES AND DUTIES OF ASSISTANTS.

		-Chainman.
·····	Joe GiConnor,	
	F. P. Sentz,	Flagnan.
	Harry F. Banken,	Flagman.
	P. A. Peterson,	Axman.
···· ··· ··· ···	Ed. Hendrickson,	Axısan .
<u>.</u>	Jan Janiksela,	Axm <b>an</b>
	John Diston,	-Houndman,
	·	
	······································	

INDEX DIAGRAM.



6—151

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## PRELIMINARY OATHS OF ASSISTANTS.

· •

Solemniy swear that we will well and faithing	and
-	the tally pins, either by sticking or dropping the same; that
	objects, and the true lengths of all lines that we assist in
	d in accordance with instructions given us, in the survey of
easuring, to the best of our skin and ability, an	a in accordance with instructions given us, in the survey of
	· · · · · · · · · · · · · · · · · · ·
	, Chainman.
	<b>#</b>
	, Chainman,
abscribed and sworn to before me this	
day of, 189	\$
T	
() SEAL () () ZZZZ	
WE,	and
corners, according to the instructions given	y perform the duties of moundmen in the establishment us, to the best of our skill and ability, in the survey of
	, Moundman.
bscribed and sworn to before me this	)
day of, 189	
aay (*,,,,	· · · · · · · · · · · · · · · · · · ·
NEAL W	
<b>医基金生素</b>	*2
337 m	and
nd other duties, according to instructions give	erform the duties of axmen in the establishment of corners n us, to the best of our skill and ability, in the survey of
	, A.rman.
······································	, A.rman.
. '	, Arman.
abscribed and sworn to before me this	, A.rman.
. '	, A.rman.
ubscribed and sworn to before me this	, Arman. , Axman.
ubscribed and sworn to before me this	, Arman. , Axman.
ubscribed and sworn to before me this	, Arman. , Axman.
abscribed and sworn to before me this	, Arman. , Axman. } } , do solemnly swear that I will well and truly
abscribed and sworn to before me this	, Arman. , Axman. 
abscribed and sworn to before me this	, Arman. , Axman. } } , do solemnly swear that I will well and truly
ubscribed and sworn to before me this	, Arman. , Axman. 
ubscribed and sworn to before me this	, Arman. , Axman. 
ubscribed and sworn to before me this	, Arman. , Axman. 
ubscribed and sworn to before me this	Arman. Axman. 
ubscribed and sworn to before me this	Arman. Axman. 
ubscribed and sworn to before me this	, A.rman. , Axmon. , Axmon. , do solemnly swear that I will well and truly ructions given me, to the best of my skill and ability, in the , Flagman.
ubscribed and sworn to before me this	Arman. Axman. 

The second s

- Chains. Survey executed by W. N. Vance, topographer, with Young & Sons transit, No. 6836.
  - On account of the fact that at this latitude the path of the sun is such that the use of the solar attachment is impracticable, it was removed.
  - The lines were run as plain transit lines, every position verified by reversing. Positions of starting corners checked by primary triangulation points and courses obtained from azimuths to triangulation points. Chaining checked by stadia.
  - Surveys made under the direction of Hr. R. H. Sargent, topographer in charge, with instrument at point 11 1ks. south of S. C., T. 1 N., Rs. 1 and 2 W. Backsight on point 11 1ks. south of Initial Point. On this line run easterly 608 1ks. and set a point, where I set instrument and backsight on point 11 1ks south of Initial Point, and turn back angle 89° 54½' left, and at distance of 10 1ks. N., set a post for closing cor. of T. 1 S., Hs. 1 and 2 W., a spruce post, 4 ft. long by 4 ins. sq., marked C C T 1 S on S.; R 1 W S 6 on E.; R 2 W S 1 on W. faces, with 6 grooves on S. and E.faces; from which
    - A birch, 4 ins. diam., bears S. 70° E., 127 1ks. dist., marked T 1 3 R 1 W S 6 B T.
    - A birch, 5 ins. diam., bears S. 1° 54' W., 569 lks. dist., marked T 1 S R 2 W S 1.

Sept. 14: With instrument at same point on secant line and backsighting on point 11 lks. S. of Initial Point, I turn an aggle to the right 90° 05% and measuring from the corner post, I run south bet. secs. 1 and 6. Up gradual ascent, through scrub birch and willow. 14.60 Enter heavy timber, birch and spruce.

18.70 Top of ascent; level to south.

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Chaina 20.00	Begin gradual ascent to S.
26.00	Top of ridge.
26.28	Begin descent to S.
40.00	Set post for $\frac{1}{2}$ sec. cor. (Not witnessed as it is inside
	of Government farm.)
41.30	Fairbanks-3ster road, bears N. 90° E.
47.65	Enter flat; leave heavy timber, enter smaller trees.
53.20	Enter clearing.
54.90	Center of track of Tanana Valley R.R., runs N. 89° 24' S.
	and S. 89° 24' W.
	From this point, Station 5 of boundary of Government farm
	bears 46.65 chs. 2. and 1.87 chs. N.; and Station 6 of
	same bears 33.33 chs. W. and 0.61 chs. N.
55,10	Enter small thick spruce.
58 <b>.26</b>	Enter small dead spruce.
60.20	Leave same; enter small green spruce.
78.32	N. bank of swamp; steep descent.
78.72	Bottom of swamp or slough.
<b>79.5</b> 0	Leave same; enter thick brush, willow and scattering cot-
	tonwood.
80.00	Set spruce post, 5 ins.sq., 3 ft. long, 24 ins. in the
	ground, for cor. of secs. 1, 6, 7 and 12, marked
	TISS6 on NE.,
	R 1 W 5 7 on SE.,
	S 12 on SW.,
	R 2 W S 1 on NW., with 1 notch on the N. and 5 on
	the 3. edges; from which
	A spruce, 16 ins. diam., bears N. 13° N., 149 1ks. dist.,
	marked T 1 S R 1 W S 6 B T.
	A cottonwood, 12 ins. in diam., bears S. 29° E., 113
	lks. dist., marked T 1 S R 1 W 5 7 B T.
	A cottonwood, 12 ins. diam., bears S. 21° W., 113 1ks.
	dist., marked T 1 S R 2 W S 12 B T.
	A spruce, 10 ins. diam., bears N. 32° 30' W., 195 lks.

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<b>.</b>	<u> </u>	West Boundary of T. 1 S., R. 1 W.
•	Chains.	dist., marked T 1 S E 2 W S 1 B T.
,		September 14, 1910.
	-	South, bet. secs. 7 and 12.
		Through low and swampy ground.
	11 25	Little draw.
		Cross it.
		Dead Man's Slough, bears E. and W.; banks steep, 10 ft.
	12.00	high. water 4 ft. deep.
	13.90	Cross Dead Van's Slough.
		Snall gully.
• 、		Cross it, enter burnt-over clearing.
		Set post for meander cor., a spruce 4 ins. sq., 16 ins.
	04.00	in the ground, marked
		T 1 S on N. side,
		B 1 W S 7 on E.,
		M C on S.,
		S 12 on W.; from which
		A spruce, 10 ins. diam., bears S. 39° E., 19 1ks. dist.
`	N N	marked T 1 3 R 1 V S 7 M C B T.
		A spruce, 10 ins. diam., bears N. 39° W., 165 1ks.
		dist., warked T 1 S R 2 W S 12 M C B T.
	34.87	Bank of Dead Han's Slough where it swings around from the
		NW.; bank 12 ft. high, water 8 ft. deep, bottom boggy.
		This is at junction of Dead Man's Slough with Chena
		Slough.
	38.80	Cross Dead Han's Slough onto low sand spit at point of
		junction. (2 cor. secs. 7 and 12 not set; falls in
		Chena Slough.)
	43.00	Cross sand bar to Chena Slough; set point for triangula-
		tion. On line across slough, set point and measure
		base line 600 lks. at right angles. Set a point and
		at this point read angle of 52° 36' between the two
		points on range line, which gives distance 784 lks.
		Franka en ronde erre, ondere Drien on roller i

This distance cnecked with stadia. No meander corners

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Chains. set. 50.00 Water's edge of Chena Slough at time of survey. Chena Slough at deepest point, 4 ft. deep, current swift, bottom gravelly. 50.88 Top of bank, 6 ft. high; land level to S. 52.40 Dry Slough. Crose it, run through scattering timber. 53.72 62.62 Small dry slough. 64.00 Cross it. 74.00 Enter heavy timber. 76.55 Enter clearing. 77.00 Enter heavy timber. Set birch post, 4 ins. sq., 18 ins. in the ground, for 80.00 cor. secs. 7, 12, 13 and 18, marked T 1 S S 7 on NE., R 1 W S 18 on SE.. S 13 on SW., R 2 W S 12 on NW., with 2 notches on the N. and 4 on the S. edges; from which A sprume, 8 ins. diam., bears N. 21° E., 26 lks. dist., marked T 1 S R 1 W S 7 B T. A spruce, 7 ins. diam., bears S. 47° E., 21 1ks. dist., marked T 1 S R 1 W S 18 B T. A spruce, 7 ins. diam., bears S. 21° W., 24 lks. dist., marked T 1 S R 2 W S 13 B T. A spruce, 7 ins. diam., bears N. 55° W., 37 lks. dist., marked T 1 S R 2 W S 12 B T. September 15,1910. South bet. secs. 13 and 18.

Through heavy timber, birch and spruce.

5.00 Enter clearing.

40.00 Set spruce post, 4 ins.sq., 18 ins. in the ground, for 1 cor. secs. 13 and 18, marked  $\frac{1}{4}$  3 18 on E. and  $\frac{1}{4}$  5 13 on W. faces; from which

- Chains. A spruce, 5 ins. diam., bears N. 75° N., 176 lks. dist., marked + S 18 B T. A spruce, 4 ins. diam., bears 5. 23° W., 25 lks. dist., marked # S 13 B T. 59.50 Slough, bears 3. and W. 60.50 Crose it, enter dead spruce timber. 77.91 Top of slight mound. 80.00 Set spruce post, 4 ins. sq., 18 ins. in the ground, for cor. secs. 13, 18, 19 and 24, marked T.1 S S 18 on NE., R 1 W S 19 on SZ.. S 24 on SW., R 2 W S 13 on NW., with 3 notches on N. and 3 on S. edges; from which A spruce, 9 ins. dian., bears N. 47º 3., 274 lks. dist., marked T 1 S R 1 W S 18 B T. A spruce, 6 ins. diam., bears S. 12º E., 58 lks. dist., marked T 1 S R 1 W S 19 B T. A spruce, 4 ins. diam., bears S. 26° W., 81 1ks. dist., marked T 1 S R 2 W S 24 B T. A spruce, B ins. diam., bears N. 4° W., 470 lks. dist., marked T 1 S R 2 W S 13 B T. September 16,1910. South bet. secs. 19 and 24. Through small spruce, nearly alldead. .10 In old slough bed. 19.48 Slough, bears SE. and NW. 20.30 Cross it.
  - 32.25 Slough, bears E. and W.
  - 33.32 Cross it; it turns south and runs parallel to line 50 lks. M.
  - 40.00 Set a spruce post, 4 ins. sq., 18 ins. in the ground, for  $\frac{1}{4}$  cor. secs. 19 and 24, marked  $\frac{1}{4}$  S 19 on E., and  $\frac{1}{4}$  S 24

Chains.	on W. faces; from which
	A tamarack, 7 ins. diam., bears N. 60° W., 14 lks. dist
	marked 4 S 24 B T.
	A spruce, 6 ins. diam., bears S. 87° E., 13 lks. dist.,
	marked 🗼 S 19 H T.
<b>48.</b> 00	Slough swings to 2.
49.48	Cross same, bears SW.
59 <b>.75</b>	Cross small slough or ditch.
67.25	Leave trees, enter tundra, overflowed.
80.00	Set a spruce post, 4 ins. sq., 18 ins. in the ground, for
	cor. secs. 19. 24. 25 and 30. marked

- 7 1 S S 19 on the NE ...
- R 1 W S 30 on the SE.,
- S 25 on the SW.,
- R 2 W S 24 on the NW., with 4 notches on the N. and 2 on the S. edges; from which
- A spruce, 6 ins. diam., bears S. 77° W., 362 lks. dist., marked T 1 S R 2 W S 25 B T.
- A spruce, 8 ins. diam., bears N. 51° W., 428 lks. dist., marked T 1 S R 2 W S 24 B T.
- No trees E. within reasonable distance. Pits impracticable.

September 18, 1910.

South bet. secs. 25 and 30.

- 0.00 Near right bank of Tanana River, set a spruce post, 3 ins. sq., 24 ins. in the ground, marked
  - T 1 on N. edge,
  - R 1 W S 36 on 3..
  - H 2 V S 25 on W.; from which
  - A spruce, 8 ins. diam., bears C. 89° E., 82 lks. dist., marked T 1 C R 1 F S 30 M C B T.
  - A spruce, 4 ins. diam., bears S. 90° W., 23 lks. dist., marked T 1 S R 2 W S 25 M C B T.

9.25 Bank of Tanana River.

Chains	.Land for the most part valueless or nearly so, except in
	the first 2 mile where it is first class land on a south
	elope.
	Eagnetic declination 30° 45'. September 19, 1910.
	TEST BOUNDARY OF T. 1 S., R. 2 W.
	September 21: By measurements and courses from triangula-
	tion stations, as directed by the Topographer, I estab-
	lish a spruce post 4 ins. sq., 36 ins. long, 18 ins. in
•	the ground, for closing cor. 7. 1 S., Rs. 2 and 3 W.,
	marked
	CCTLS on S.,
	R 2 W S 6 on S.,
	R 3 W S 1 on W., with 6 grooves on SE. and W. faces;
	from which
	A spruce, 6 ins.diam., beers S. 2° 11' E., 610 1ks.
	dist., marked C C T 1 S R 2 V S 6 B T.
	A spruce, 6 ins.diam., bears S. 39° 34' %., 390 lks.
	dist., marked C C T 1 S E 3 W S 1 3 T.
	Then with instrument at said cor., I run south by course
	derived from work of Topographer.
	South bet. secs. 1 and 6.
	Begin descent into bed of Ready Bullion Creek.
1.00	Creek channel.
5.00	Cross it, ascend to S.; slope is to N. and E. steep.
15.00	Top of ascent; thence level on steep slope to E.
29.00	Enter dead scattering birch.
38.00	Begin gradual descent to S.
40.00	Set a birch post, 4 ins. sq., 18 ins. in the ground, for
	$\frac{1}{2}$ cor. secs. 1 and 6, marked $\frac{1}{4}$ S 6 on E. and $\frac{1}{4}$ S 1 on
	W. faces; from which
	A poplar, 9 ins. diam., bears N. 59° 30' W., 238 1ks.
	dist., marked ‡ S 1 B T.

A poplar, 8 ins. diam., bears S. 41° 30' E., 92 lks.

. .

Chains.	dist., marked 🛊 S 1 B T.
58.00	Enter thicker trees; living.
60.57	Cross small gulch, drains E., convence ascent to S.
61.54	Top of ridge; begin descent to 8.
63.52	Cross wood road; bears SM. and NW., enter scattering
	poplar trees.
73.00	Enter heavy poplar.
75.00	Ditch for placer mine, 10 lks. wide, 2 ft. 3 ins. deep.
80 <b>.00</b>	Set a poplar post, 4 ins. sq., 18 ins. in the ground for
	cor. secs. 1, 6, 7 and 12, marked
	T 1 C 3 6 on NE.,
	R 2 V S 7 on SE.,
	3 12 on the SW.,
	R 3 W S 1 on RW., with 1 notch on the R. and 5 not-
	ches on S. edges; from which
	A spruce, 12 ins. diam., bears N. 104 E., 226 lks. dist.,
	marked T 1 S R 2 W S 6 B T.
	A spruce, 3 ins. diam., bears C. 78° E., 131 lks. dist.,
	marked T 1 S $\mathbb{R}$ 2 $\forall$ S 7 $\mathbb{R}$ T.
	A spruce, 6 ins. diam., bears 8. 11° W., 86 1ks. dist.,
	marked T 1 S R 3 V 8 12 B T.
	A spruce, 13 ins.diam., bears N. 15° W., 185 1ks. dist.,
	marked T 1 S R 3 W S 1 B T.
	September 21, 1910.
7 4 <b>0</b>	South bet. secs. 7 and 12.
	Cross ditch for placer mine, 11 1ks. wide, bears E. and W.
5.44 5.87	Road bears E. and W.
7.98	NW. gable of house, bears N. 75° E., 118 1ks. dist.; end
1,30	of steep descent.
10.00	
TO * 00	Cross pile of tailings.

- 14.00 Cross channel of Mater Creek, 7 lks. wide; flows E., begin ascent.
- 15.00 Ditch for mine, 12 lks. wide; runs E.

8\_\_\_\_

- Chains. Thence up hillside through thick small dead spruce.
  - 23.82 Mine ditch, runs &.

34.00 Begin steep ascent to S.

- 40.00 Set a birch post, 4 ins. sq., 18 ins. in the ground for  $\frac{1}{4}$  cor. secs. 7 and 12, marked  $\frac{1}{4}$  5 7 on E. face and  $\frac{1}{4}$  5 12 on the W. face; from which
  - A spruce, 4 ins. diam., bears N. 64° E., 12 1ks. dist., marked  $\frac{1}{4}$  S 7 B T.
  - A spruce, 5 ins. diam., bears S. 75° 30' W., 66 lks. dist., marked ‡ S 12 B T.
- 58.89 Top of hill, begin descent to S.; enter clearing, Crossroad bears S. and W.

68.00 Small clump of poplar trees.

- 80.00 Set a birch post, 4 ins. sq., 18 ins. in the ground, for cor. secs. 7, 12, 13 and 18, marked
  - TISS7 on NE.,
  - R 2 W 8 18 on SX.,
  - S 13 on SW.,
  - R 3 W S 12 on NW., with 2 notches on N. and 4 notches on S. edges; from which
  - A spruce, 7 ins. diam., bears N. 77° E., 173 1ks. dist., marked T 1 S R 2 W S 7 B T.
  - A birch, 8 inc. diam., bears 5. 77° S., 219 1ks. dist., marked T 1 5 B 2 W S 18 B T.
  - A birch, 10 ins. diam., bears S. 4° W., 156 lks. dist., marked T 1 3 R 3 W S 13 B T.
  - A spruce, 6 ins. diam., bears N. 59° W., 157 1ks. dist., marked T 1 8 R 3 W S 12 B T.

Magnetic declination 30° 30'.

September 22,1910.

South bet. secs. 13 and 18.

- 6.00 Top of small rige.
- 7.00 Botton of small gully.
- 8.00 Top of small ridge.
- 9.15 Bottom of draw.

Chains. 10.50 Top of ridge.
38.44 Center of Hot Springs-Ester road, bears SW. and NE.
40.00 Set a spruce post, 4 ins. sq., 18 ins. in the ground, for
$\frac{1}{4}$ cor. secs. 13 and 18, marked $\frac{1}{4}$ S 13 on W. and $\frac{1}{4}$ S 18
on R. faces; from which
A spruce, 6 ins.dian., bears S. 15° E., 141 lks. dist.,
marked 2 S 18 B T.
A spruce, 8 ins.diam., bears 5. 26° W., 402 lks. dist.
marked 1 3 13 B T.
41.00 Enter small dead spruce, slight slope southward.
49.63 Mine ditch, flows S.
49.83 Cross it.
60.00 Enter tundra; ground level.
62.60 Alder Greek; banks steep, 6 ft. deep, width 10 lks. 70.00 Leave flat, connence steep ascent to S.
80.00 Set a spruce post, 4 ins. sq., 30 ins. long, 18 ins. in
the ground for cor. secs. 13, 18, 19 and 24, marked
T 1 S 3 18 on NE.,
R 2 W S 19 on SE.
S 24 on SW.,
R 3 W S 13 on NW.
No bearing trees available: dig pits, 18 x 18 x 12 ins.,
with mound 4ft.base,2ft.high,on S.of stake,3 notches on N. and S.edges of stake.
South bet.secs.19 and 24.
6.42 Top of ridge; leave small spruce, enter clearing and
deadening, bogin descent to S.
33.56 Enter willow brush.
39.50 Cross road, bears H. and W.
40.00 Set a spruce post, 4 ins. sq., 18 ins. in the ground, for
$\frac{1}{2}$ cor. secs. 19 and 24, marked $\frac{1}{2}$ S 19 on E., and $\frac{1}{2}$ S 24
on W.
No boaring trees available; dig pits, 18 x 18 x 12 ins.,
3 ft. from stake U. and S., with mound of earth 35
x lý ft. around stake.

12	Test Boundary of T. 1 S., R. 2 W.
Chaina. 46.00	Gripple Creek, flows E.; channel 14 ins. deep (water 2 ins.
	deep) 10 lks. wide.
	Begin ascent to S., through scrub brush.
72.00	End of accent; level to S., slope W.
74.25	Small draw; enter heavy timber, begin slight ascent to S.
.80.00	Set a spruce post, 4 ins. sq., 18 ins. in the ground for
	cor. secs. 19, 24, 25 and 30, marked
	T 1 S S 19 on NE.,
	F 2 W S 30 on SE.,
	S 25 on SW.,
	R 3 V S 24 on NV., with 4 notches on N. and 2 on S.
	edges; from which
	A spruce, 16 ins. in diam., bears N. 1º E., 321 1ks.
	dist., marked T 1 S R 2 W S 19 B T.
	A spruce, 9 ins. diam., bears S. 3° E., 122 lks. dist.,
	marked T 1 S R 2 W S 30 B T.
	A spruce, 7 ins. diam., bears S. 3° W., 131 1ks. dist.,
	marked T 1 S R 3 W S 25 B T.
	A spruce, 9 ins. diam., bears N. 2º W., 270 lks. dist.,
	marked T 1 S R 3 W S 24 B T.
	Magnetic declination 30° 45'. September 23,1910.
	South bet. sees. 25 and 30.
7,25	Cross small ridge; continue ascent to S.
	Top of ridge; run level to S., land slopes to W.
	Bottom of draw; ascend.
	Top of ridge.
	Edge of draw; descend
	Botton of draw; ascend.
	Top of ridge, bears S.; descend.
	Bottom of draw.
<b>107</b> 1 1 1 1 1	
29.90	Begin ascent to S.

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West Boundary of T. 1 S. R. 2 W.

- Chains.  $\frac{1}{2}$  cor. secs. 25 and 30, marked  $\frac{1}{2}$  3 30 on the E.,  $\frac{1}{2}$  5 25 on the W., faces; from which
  - A spruce, 9 ins. diam., bears N. 57° E., 212 lks. dist., marked \$ 8 30 B T.
  - A birch, 8 ins. diam., bears N. 68° W., 179 lks. dist., marked \$ 3 23 B.T.
- 42.10 Cross top of ridge, E. and W., descend S.
- 45.50 Small ridge.

Enter heavy timber, mostly spruce, descend to S.

- 54.25 Bottom of canon.
- 55.00 Begin steep ascent.
- 71.22 Stop ascent.
- 77.10 Begin descent.
- 80.00 Set a spruce post, 4 ins. sq., 18 ins. in the ground, for cor. secs. 25, 30, 31 and 36, marked
  - T 1 S S 30 on NE.,
  - R 2 W S 31 on SE.
  - S 36 on SW.,
  - R 3 W S 25 on NW., with 5 notches on N. and 1 on S. edges; from which
  - A spruce, 15 ins. diam., bears N. 31° E., 72 lks. dist., marked T 1 S R 2 W S 30 B T.
  - A spruce, 10 ins. diam., bears 5. 44° E., 33 lks. dist., marked T 1 S R 2 W S 31 B T.
  - A spruce, 9 in:. diam., bears S. 25° W., 61 1ks. dist., marked T 1 S R 3 W S 36 B T.
  - A spruce, 9 ins. diam., bears N. 12° W., 49 1ks. dist., marked T 1 S R 3 W 3 25 B T.

Magnetic declination 31° 00'.

September 25,1910.

South bet. secs. 31 and 36.

- 1.60 Top of ridge, slopes W.
- 7.00 Begin descent.
- 8.50 Bottom of gully.

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Chains. 9.50 Ridge; level to S.	
11.55 Begin descent to S.	
15.00 Reach small terrace.	
34.25 Top of small step; land falls to SW.	
40.00 Set a spruce post, 4 ins. sq., 18 ins. in th	e ground, for
$\frac{1}{4}$ cor. secs. 31 and 36, marked $\frac{1}{4}$ S 31 on t	he S., and $\frac{1}{4}$
S 36 on the W., faces; from which	
A spruce, 8 ins. diam., bears S. 42° E., 1	7 1ks. dist.,
marked 2 5 31 B T.	
A spruce, 12 ins. diam., bears S. $50^{\circ}$ W.,	16 lks. dist.,
marked 🛊 S 36 B T.	
49.00 Enter dead timber; bottom of slope, level to	. 8.
50.00 Begin slight ascent to S.	
65.25 Top of ascent.	
70.00 Begin descent	
80.00 Set a spruce post, 4 ins. sq., 18 ins. in th	e ground, for
Ts. 1 and 2 S., Rs. 2 and 3 W., marked	
T 1 S S 31 on NE.,	
R 2 W S 6 on SE.	
T 2 5 5 1 on 5W.,	
R 3 W S 36 on NW., with 6 notches on ea	ach edg <b>e</b> .
Land in this Tp. varies from good to valuel	ess. In the
first mile it is on a S. and E. slope and	first class.
Second mile, either tundra or moss on a s	teep north
slope. Third mile, S. slope, first class	. Fourth,
first class. Fifth, first class. Sixth,	about half
first class and half third class.	
üep	tember 26,1910.
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#### FINAL OATHS OF DEFRICT SURVEYOR AND HIS ASSISTANTS.

#### LIST OF NAMES.

A list of the names of the individuals employed by	
	inning, measuring, and
narking the lines and corners described in the foregoing field notes of the survey o	of West Boundary
Ange 2 West, Fairbanks base and meridian, Territory of showing the respective capacities in which they acted:	<u>Township 1 South</u> Alaska,
W. S. Stover	, Chainman.
Jos O'Connor	, Chainman.
John Diston	, Moundman.
P. A. Peterson	Axman.
Ed. Hendrickson	, Axman.
Jan Janiksela	- Flagman.
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted	
, United States Deputy Sur	rveyor, in surveying all
hose parts or portions of the	
	of the
of	., which are represented
In the foregoing field notes as having been surveyed by him and under his direction has been in all respects, to the best of our knowledge and belief, well and faith corner monuments established, according to the instructions furnished by the General for	fully surveyed, and the
Jeneral 101	Chainman
•	<u>.</u>
-	
Subscribed and sworn to before me this	
day of, 189	
6-151	

## FINAL OATH OF UNITED STATES PERVEX SURVEYOR.

The table of table o	
1,, United States Departy Surveyor,	do
solemnly swear that, in pursuance as truck one ceived from H Sargent	
United States Surveyor General for "Topographer in Charge bearing date of "Solo I have well faithfully and tanks in muse	the
twenty-ninthay of June, <b>F910</b> I have well, faithfully, and truly, in my of proper person, and in strict conformity with the instructions furnished by the <b>Director of t</b>	wn he
General for . S. Geological Survey, the Manual of Surveying Instructions, and the laws of	the
United States, surveyed all those parts or portions of	
South, Range 1 West, and Township 1 South, Range 2 West, Fairbanks	
base and meridian, Territory of Alaska,	
maridian in the	
foregoing field notes as having been surveyed by me, and under my direction; and I do further solem	the
swear that all the corners of said survey have been established and perpetuated in strict accordance w	
the Manual of Surveying Instructions, and the special written instructions of the United States Survey	DEX
General for Geological Survey and in the specific manner described in the field notes, and the	hat
the foregoing are the original field notes of such survey; and should any fraud be detected, I will suf	fer
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.	
17. t. Vance	
United States Dranka Survey	or.
Subscribed by said	
<sup>this</sup> first <sup>day of</sup>	
-A. S. Taylor,	
o seilo cococo	
APPROVAL.	
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,	
Juneau, Alaska, June 7,1913, 189	
The foregoing field notes of the survey of the west boundary of Township No.1	ĥ
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout	
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks <sup>B</sup> ase and Meridian,	
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout	
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks <sup>B</sup> ase and Meridian,	<b>-</b> 
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks <sup>B</sup> ase and Meridian,	
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks Base and Meridian,	
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks Base and Meridian.	en
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks Base and Meridian,	en
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The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks Base and Meridian.	en he
The foregoing field notes of the survey of the west boundary of Township No.1 South, Range No.1 west and the west boundary of Township No.1 Sout Range No.2 West, Fairbanks <sup>15</sup> ase and Meridian, executed by	en he

United States Surveyor General.

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	ACIENTAL AT	[RFC	
<b>4—679</b> September 1948)	<b>CRICEINAL</b>		
	UNITED STATES DEPARTMENT OF THE INTERIOR		
	BUREAU OF LAND MANAGEMENT	puge " 1 100	
	FIELD NOTES		
	OF		
	THE DEPENDENT RESURVEY,		
	THE SUBDIVISION OF SECTIONS 12, 13,	14 AND 23	
·	AND		
	A PORTION OF THE MEANDERS OF THE C	HENA RIVER	
·	<u>IN</u>		
	TOWNSHIP 1 SOUTH, RANGE 2 WEST		
·			
Of the	FAIRBANKS	Moridian	
	TERRITORY OF ALASKA	- Menuun,	
n the sta <u>te of</u>			
	EXECUTED BY		
	LLOYD E. TOLAND, CADASTRAL ENGIN	SER	
Under special instruction	ns dated April 27	, 19	
	ns dated <u>April 27</u> under Group No. <u>49</u> , appr	·	

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Survey	commence	d July A	( <b>1</b>		19	21
				1.		
Su <b>r</b> vey	completed	Octobe	er 5	<b>,</b>	<i>19</i>	51
		U. S. GOVERNMENT PRINTING OFFICE	16 58770 1			

# INDEX DIAGRAM

Townsh	nip <u>1</u> SO	UTH	, Range	2 WEST	
6	5	4	8	2	2
7	8	9	10	<b>11</b> 8	12 45 2
18	17	16	18	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	38 42 5 <b>• 37</b> 35
19	20	21	22	14 17	24
30	29	<b>28</b>	27	26	25
81	89	88	84	85	36

16-56770-1

Meanders -- page 48 Highway Traverse - page 49

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	T. 1. S., R. 2. V., F.M.	
Chains	This survey was executed at the request of the Division of Land Planning, Bureau of Land Management, and consists of the dependent resurvey of certain section lines and the subdivision of portions of certain sections, into small tracts to facilitate the disposal of lands for homesite purposes.	
•	The survey was commenced on July 21, 1951, and was executed with 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. After satisfactor tests, the instrument was found free from appreciable error and was approved by the District Cadastral Engineer for Alaska. Prior to beginning the survey, the adjustments of the instrument were examined and found to be satisfactory.	- y-
	All measurements were made with a 5 chain steel tape, with the first link graduated to tenths, the first chain graduated in links, and the remainder at intervals of 10 links. The tape was tested by comparison with a standard steel tape and found correct. All measurements were made on the slope to the nearest tenth of a link and the vertical angle of each interval was ascertained with the transit circle or a clinometer in good adjustment. The horizontal equivalents only are entered in this field note record.	
¢	Direct solar observations for azimuth were taken throughout the progress of the survey. All lines are referred to the true meridian and carried to all points of the survey by sustained angulation.	-
	Before restoring the corners, the lines of the original survey were retraced, and a diligent search made for any evidence of the original corners, bearing trees and other calls of the original field note record.	
•	The rules of proportionate measurements were applied in order to ascertain the position of lost corners after completing the necessary retracements to connect with the identified corner locations.	р 7 с
· · ·	These sections are subdivided into aliquot parts by regular subdivision of section procedure and the area of each aliquot part as shown on the plat is regular unless otherwise denoted; to facilits the description of the small aliquot parts, they are given lot number as shown on the plat.	ite :s
	As title to certain portions of these sections, which were divided into small tracts, shown to be riparian by the plat of the original survey is still in the government, there is no reason for retaining the original lottings and areas. New meander courses are shown along certain portions of the banks of the Chena River and new lottings and areas are snown which will allow a more appropriate disposal of the small tracts in these areas.	
ו •	At the time of the survey a local road was in the process of construction, or being prepared for construction, along certain portions of section boundaries and along certain subdivisional lines. Due to the nature of construction of this roadbed, it was found impractical to monument certain corners of the lots adjoining. However these points are referenced by wood posts at the edge of the right of way on the side adjoining and marked as shown in the field note record.	
	The geographical position of the SE. cor. of the township as taken from the plats furnished with the special instructions is as follows:	
· · · · ·	Latitude 64°46'36" N. Longitude 147°50'46" W.	
	The mean magnetic declination is $\mathcal{K}_2^{\mathbf{b}^{0}}$ E.	
1 N 1		

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<b>*</b>	• 		
	6 x .	DEPENDENT RESURVEY IN T. 1 S., R. 2 W., FAIRBANKS MERIDIAN	
	·	Reestablishment of the Survey Executed by W.N. Vance and W.H. Thorn, U.S. Surveyors in 1911	
		Beginning at the cor. of Secs. 7, 12, 13 and 18 on the E. boundary of the township, which is monumented with an iron post, 5 ins. in diam., firmly set, mkd. and witnessed as described in the field note record of the 1951 resurvey of a portion of the W. boundary of T. 1.S., R. 1 W., F.M.	
		N. 39°43' N., bet. secs. 12 and 13.	
c	ر د	Over level land, through spruce, cottonwood and birch timber, with smaller aspen, willow and alder.	
	5.003	•Foint for the E-E-E 1/256 sec. cor. of Secs. 12 and 13.	
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. E-E-E 1/256 S 12.	
	10.007	Point for the E-E 1/64 sec. cor. of secs. 12 and 13.	
	•	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. E-E 1/64 S 12.	
	11.062	Former left bank of the Chena River, bears S. and NW.	
¢		The original Meander Cor. of secs. 12 and 13, which is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record. Since new meanders of the left bank of the Chena River will be surveyed in Sec. 12, this Meander Corner will become a corner of limited control for Sec. 13 only. The marks S 12 are obliterated from the brass cap.	
		N. 89°55' W., beginning new measurement.	
	1.40	Center of dry slough bed, 20 lks. wide, 3 ft. deep, bears N. and S.	
	2, 362	Point selected for the witness meander cor. of limited control for Sec. 12 only.	~
•		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.	
		TIS 2W WC <u>S12</u> MC 1951	
		from which	
	•	An alder, 4 ins. in diam., bears N. 19°30' E., 0.31 chs. dist., mkd. T1S R2W S12 WC MC BT.	
		A willow 3 ins. in diam., bears N. 60° E., 0.605 chs. dist., mkd. X BT.	
	4.112	Present left bank of Chena River, 3 ft. high, bears N. and S.	
:		True point for the meander cor. of limited control for Sec. 12 only, in an unsafe place for monument.	
	8.42	Point for meander cor. of Secs. 12 and 13 at proportionate distance, falls near the edge of the water in the present channel of the	

. 1. 1.

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		Y 1. S
¢.	Chains	Chena River. No remaining evidence of the original monument. This corner point is in close agreement with the present meander line and is therefore used as the true meander cor. when surveying new meanders of the right bank of the Chena River in Section 15.
	8 <b>.</b> 96	Foint for the E 1/16 sec. cor. of Secs. 12 and 13 at proportionate distance falls near the base of the cut bank of the Chena River; bank bears S. 13° E., and N. 13° M.
۶	•	Ascend 6 ft. over present right bank of the Chena River.
ς•	9.24	Old logging trail bears NAW. and S.
	10.417	Point selected for the witness meander corner of Secs. 12 and 13.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	-	$\begin{array}{c} \text{T1S}\\ \text{S12}\\ \text{S13}\\ \text{MC}\\ \text{MC}\\$
		, , , , , , , , , , , , , , , , , , , ,
	<u>.</u> 89 - 50	from which
		A spruce, 12 ins. in diam:, bears S. 14°45' N., 0.435 chs. dist. mkd. T1S R2W S13 WC MC BT.
		A spruce, 14 ins. in diam., bears N. 17°45' W., 1.415 chs. dist., mkd. T1S R2W S12 WC MC BT.
	11.405	Point selected for the witness E 1/16 sec. cor. of Secs. 12 and 13.
		Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with brass cap mkd.
		WC
	•	$E 1/16 \cdot \frac{S12}{S13} \cdot \cdot$
ب •	-	• • • 1951 •
	1	From which
	, t	A spruce, 12 ins. in diam., bears S. 18°00' M., 1.075 chs. dist. • mkd. E 1/16 S13 WC BT.
	۲ ا	A spruce, 12 ins. in diam., bears N. 9°45' W., 1.205 chs. dist., mkd. E 1/10 S12 WC BT.
	13.969	Point for the E-M-E 1/256 sec. cor. of Secs. 12 and 13
		Set a post painted white, 2x3x36 ins., 18 ins. in the ground, mkd. E-W-E 1/256 S13.
	18.977	Point for the W-E 1/64 sec. cor. of secs. 12 and 13.
	بر	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. W-E 1/64 S13.
	23.985	Point for the W-W-E 1/256 sec. cor. of Secs. 12 and 13.
		Set a white painted wood post 2x3x36 ins., 18 ins. in the ground, mkd. W-W-E 1/256 S13.

8. 8. GOVERNMENT PRIMTING OFFICE 16-28520-1

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	• • T. < 1 E. , · R. : 2 W. , · F.M.			
	Chains			
1	28.993	The $\frac{1}{2}$ sec. cor. of Secs. 12 and 13, which is monumented with an iron post, 1 in. in diam., 8 ins. above the surface of the ground, firmly set and mkd. as described in the official record. Original bearing trees are dead and fallen.		
		From which, new bearing trees:		
	     	A spruce, 8 ins. in diam., bears N. 9°00' E., 0.61 chs. dist., mkd. 1/4 Sl2 ET.		
	: 	A spruce, 0 ins. in diam., bears S. 65°45' W., 1.49 chs. dist., mkd. 4 Sl3 BT.		
	•	WEST, beginning new measurement.		
		Over level land, through scattered spruce and birch timber, with smaller aspen and alder willow underbrush.		
	4.'70	Center of a dry slough bed, 30 lks. wide, 3 ft. deep, bears NE. and SW.		
	12.50	Old trail road, bears N. and S.		
	15.00	Leave timber, bears N. and S.; thence along the S. edge of an old clearing.		
۰.	20 <u>.</u> 00	Point for the W 1/16 sec. cor. of Secs. 12 and 13.		
ę •		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.		
		S12 W 1/16		
•	•• ·· ··	<b>S1</b> 3		
		.1951		
	1	from which		
		A spruce, 5 ins. in diam., bears S. 47°30' E., 0.185 chs. dist., mkd. W 1/16 S13 BT.		
		A spruce, 5 ins. in diam., bears S. 41°30' W., 1.27 cns. dist., mkd. W 1/16 S13 BT.		
	25.00	Point for the E-W-W 1/256 sec. cor. of Secs. 12 and 13.		
÷ •	•	Set'a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. E-W-W 1/256 S13.		
۰.	28.50	Leave clearing; enter a nigger-head swamp.		
	30.00	Point for the W-W 1/64 sec. cor. ofSecs. 12 and 13.		
	• •	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. W-W 1/64 S13.		
	35.00	Point for the W-W-W 1/256 sec. cor. of Secs. 12 and 13.		
	e	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. W-W-W 1/256 S13.		
	40.00	The cor. of Secs. 11, 12, 13 and 14, which is monumented with an iron post, 2 ins. in diam., firmly set, mkd. and witnessed as described in the official record.		
:		Land, level. Soil, sandy loam. Timber, spruce, birch and scattered cottonwood timber, willow and		





T. 1 S., R. 2 W., F.M.

		1. L D., R. 2 H., F.M.
	Chains	alder underbrush, with raspberry bush and thick moss.
		S. 0°02! E., between secs. 13 and 14.
		Over level land, across nigger-head swamp.
	4.50	Leave swamp; enter scattered cottonwood and sprace timber and dense alder underbrush.
	4.988	Point for the N-N-N 1/256 sec. cor. of Secs. 13 and 14.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, .mkd. N-N-N 1/256 S13.
	5.989	Point selected for the witness meander cor. of Secs. 13 and 14.
	4 	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with brass cap mkd.
		TIS R2W S14 S13
	•	
		from which
		A spruce, 8 ins. in diam., bears N. 61°00' E., 0.535 chs. dist., mkd. T1S R2W S13 WC MC BT.
	-	A spruce, 7 ins. in diam., bears S. 72°30' W., 0.24 chs. dist., mkd. T18 R2W.S14 WC MC BT.
	7.65	Left bank of old channel of Cripple Creek, 5 ft. high, bears W. and SE.
	9.40	Same bank, bears NE. and SW.
	10.771	Present right bank then River, 6 ft. high, bears N. 85° E., and S. 70° W.
		True point for the meander cor. of Secs. 13 and 14, at proportionate distance falls in an unsafe place for a monument.
	18,709	Left bank Chena River, 6 ft. high, bears NE. and SW.
. •		The meander cor. of secs. 13 and 14, which is monumented with an iron post, 2 ins. in diam., firmly set, 8 ins. above the surface, and properly marked. The one remaining bearing tree, before being destroyed by road construction, was identified and found to be record bearing and distance from the monument. The monument was reset in its original position flush with the surface of the ground. New bearing trees were selected but were not recorded.
•	· ·	Thence over level cleared land, along partially completed roadbed.
	19.95	Point for the N.1/16 sec. cor. of Secs. 13 and 14.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, flush with the surface of the ground, with the brass cap mkd.
		N 1/16 S14   S13
		· · · · · 1951 · · · · · · · · · · · · · · · · · · ·
		from which

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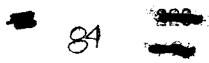
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	Chains	·
		A cottonwood, 20 ins. in diam., bears S. 75°30' E., 1.81 chs. dist., mkd. N 1/16 SL3 BT.
	2	A cottonwood, 24 ins. in diam., bears S. 67°00' W., 2.825 chs. dist., mkd. N 1/16 314 BT.
	24.952	Point for the N-S-N 1/256 sec. cor. of Secs. 13 and 14.
		Set a 40 penny spike, flush with surface,
		From which
	ι.	A white painted wood post, 2x3x36 ins., set-18.ins. in the ground, bears WEST 50 feet dist. and mkd. N-S-N 1/256 S14 RM.
	29.955	Point for the S-N 1/64 sec. cor. of Secs. 13 and 14.
		Set a 40 penny spike, flush with surface ,
		From which
		A white painted wood post, 2x3x36 ins., set 18 ins. in the ground, bears WEST 50 feet dist. and mkd. S-N 1/64 S14 RM.
	34.957	Point for the S-S-N 1/256 sec. cor. of Secs. 13 and 14.
, <b>.</b>		Set a 40 penny spike, flush with surface
		From which
τ.	•	• A.white painted wood post, 2x3x36 ins., set 18 ins. in the ground, bears WEST.50 feet dist., and mkd. S-S-N 1/250 S14 RM.
	39.96	The $\frac{1}{2}$ sec. cor: of Secs. 13 and 14, which was monumented with an iron post, 1 in. in diam., loosely set and bent, properly marked; the original bearing trees were identified before being destroyed by road construction.
	٠.	At the corner point.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, flush with the original surface of the ground, with the brass cap mkd.
		<u>}</u> 4
		S14   S13
		• • • • • • • • • • • • • • • • • • • •
:		From which new bearing trees
•	·	A spruce, 10 ins. in diam., bears S. 42°30' E, 1.36 chs. dist., mkd. $\frac{1}{4}$ S13 BT.
	• • •	A birch, 9 ins. in diam., bears S. 84°30' W., 0.93 chs. dist., mkd. $\frac{1}{4}$ S14 BT.
		Bury the original iron post alongside the new iron post.
		S. 0°02' E., beginning new measurement.
		Continue over level partially completed roadbed.
ŀ	5.002	Point for the N-N-S 1/256 sec. cor. of Secs. 13 and 14.
		Set a 40 penny spike flush with surface
		From which

- 7 -



. T. 1 S., R. 2 W., F.M.

<ul> <li>Chains <ul> <li>A white painted wood post, 223:25 ins., set 18 ins. in the ground, bears WSE, 50 feet dist., and mkd. N=M=2 1/236 SL4 60.</li> <li>10.004</li> <li>Point for the M=5 1/44 sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface</li> <li>From which <ul> <li>A white painted wood post, 223:25 ins., set 18 ins. in the ground, bears WSE7, 50 feet dist., and mkd. N=3 1/64 SL4 30.</li> </ul> </li> <li>15.006</li> <li>Foint for the S=N=S 1/255 Sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface</li> <li>from which <ul> <li>A white painted wood post, 223:250 ins., isins. in the ground, bears WSE7, 50 feet dist., and mkd. N=4 1/255 SL4 80.</li> </ul> </li> <li>20.008</li> <li>Foint for the S=N=S 1/255 Sec. cor. of Secs. 13 and 14.</li> <li>Set a 100 penny spike flush with surface</li> <li>from which <ul> <li>A white painted wood post, 223:250 ins., 18 ins. in the ground, bears WSE7 50 feet dist., and mkd. S=1/255 SL4 80.</li> </ul> </li> <li>20.008</li> <li>Foint for the S=1/16_sec. por. of Secs. 13 and 14.</li> <li>Set an from post, 24 ins. in diam., 28 ins. lock, flush with the surface of the ground, with the brass cap skd.</li> <li>S 1/16</li> <li>SL4 { SI3</li> <li>1951</li> </ul> </li> <li>From which <ul> <li>A spruce, 5 ins. in diam., bears 3. A0°.00 E., 1.505 chs. dist., mkd. S 1/16 SI24 EF.</li> <li>An aspon, 4 ins. in diam., bears 5. 47°.30' W., 1.505 chs. dist., mkd. S 1/26 SL4 ET.</li> <li>Corrier is set at the intersection of roads which bear N., E., and M.</li> </ul> </li> <li>The cop. of Secs. 13, 14, 23, and 24, which is appumented with an irron post, 2 has. in diam, flushly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>From which new bearing trees <ul> <li>An aspen, 3 ins. in diam., bears 3. 43°.01 K., 0.78 Cns. dist., mkd. TIS 320 324 ET.</li> <li>An aspen, 3 ins. in diam., bears 3. 43°.01 K., 0.78 Cns. dist., mkd. TIS 320 324 ET.</li> <li>An aspen, 3 ins. in diam.</li></ul></li></ul>			. تا م ۲۰۰۵ و م ۲۰۰۵ و م L م ۲۰۰۰ و ۲۰۰۰ و ۲۰۰۰ و ۲۰۰۰ .
<ul> <li>10.004 Foint for the N-S 1/64 sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface</li> <li>Free which <ul> <li>A white painted wood post, 27300 ins., set 18 ins. in the ground, bears MEST, 50 feet dist., and mkd. N-G 1/64 SL4 20.</li> </ul> </li> <li>15.006 Foint for the S-N-S 1/250 Sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface <ul> <li>from which</li> <li>A white painted wood post, 2000 ins., 13 ins. in the ground, bears WEST 50 feet dist., and akd. S-N-S 1/250 SL4 R8.</li> </ul> </li> <li>20.008 Foint for the S 1/16 sec. cor. of Secs. 13 and 14.</li> <li>Set an iron post, 2% ins. in diam., 28 ins. lodg. Thus with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16 <ul> <li>S1/16</li> <li>S1/2</li> <li>S1/</li></ul></li></ul>		Chains	A white painted wood post, 2x3x36 ins., set 18 ins. in the
<ul> <li>Set a 40 penny spike flush with surface</li> <li>Frem which <ul> <li>A white painted wood post, 2xxx50 ins., set 18 ins. in the ground, bears WEST, 50 feet dist., and mkd. N=3 1/64 S14 34.</li> </ul> </li> <li>15,006 Point for the S=N=5 1/250 Sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface <ul> <li>from which</li> <li>A write painted wood post, 2x2x50 ins., 13 ins. in the ground, bears WEST 50 feet dist., and mkd. S=N=5 1/250 S14 HM.</li> </ul> </li> <li>20.008 Foint for the S 1/16_sec. cor. of Secs. 13 and 14.</li> <li>Set an iron post, 2½ ins. in diam., 28 ins. lodg, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14.   S15</li> <li>. An espen, 5 ins. in diam., bears H. 40° 501 E., 1.505 chs. dist., mkd. S 1/16 old BT.</li> <li>. An espen, 4 ins. in diam., bears S. 47° 501 M., 1.505 chs. dist., mkd. S 1/16 old BT.</li> <li>. Gorner is set at the intersection of roads which bear N., E., and M.</li> <li>Thence over level land througu 2nd growth timber.</li> <li>. 9550 Trail road, bears N. 75° E., and S. 76° N.</li> <li>K0.010 The ory. of Secs. 13, 14, 23, and 24, which is monumented with an form which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears 3. 20°15' E., 1,00 chs. dist., mkd. X ST.</li> <li>an aspen, 3 ins. in diam., bears 3. 42°20' H., 0.01 chs. dist., mkd. X ST.</li> <li>an aspen, 5 ins. in diam., bears 3. 42°30' H., 0.78 Chs. dist., mkd. X ST.</li> <li>an aspen, 5 ins. in diam., bears 3. 43°30' H., 0.78 Chs. dist., mkd. X ST.</li> <li>an aspen, 5 ins. in diam., bears 3. 43°30' H., 0.78 Chs. dist., mkd. X ST.</li> <li>an aspen, 5 ins. in diam., bears 3. 43°30' H., 0.78 Chs. dist., mkd. X ST.</li> <li>an aspen, 5 ins. in diam., bears 3. 43°30' H., 0.78 Chs. dist., mkd. X ST.</li> </ul>		, 10.004	
<ul> <li>Prem which <ul> <li>A white painted wood post, 2x,xx50 ins., set 18 ins. in the ground, bears WEST, 50 feet dist., and mkd. N=5 1/64 SLA SM.</li> <li>15,006</li> <li>Point for the S=N=5 1/250 Sec. cor. of Secs. 15 and 14.</li> <li>Set a 40 penny spike flush with surface</li> <li>from which <ul> <li>A write painted wood post, 2x,2x50 ins., 13 ins. in the ground, bears WEST 50 feet dist., and mkd. S=H=5 1/250 SLA SM.</li> </ul> </li> <li>20.008</li> <li>Point for the S 1/16_sec. cor. of Secs. 15 and 14.</li> <li>Set an iron post, 2% ins. in diam., 28 ins. lodg, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14.   \$13</li> <li>IP51</li> </ul> </li> <li>from which <ul> <li>A spruce, 5 ins. in diam., bears N. 40°-201 E., 1.505 chs. dist., mkd. \$ 1/16 SL3 ET.</li> <li>An aspen, 4 ins. in diam., bears N. 40°-201 M., 1.505 chs. dist., mkd. \$ 1/16 SL4 ET.</li> <li>Gormar is set at the intersection of roads which bear N., E., and M.</li> <li>Thence over level land througu 2nd growth timber.</li> <li>79.50</li> <li>Trail road, bears N. 78° E., and S. 78° M.</li> <li>K0.010</li> <li>The opr. of Secs. 13, 14, 23, and 24, which is monumented with an infinity set and mkd. as described in the official recoyd. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 4 ins. in diam., bears 3. 42°-201 H., 0.01 chs. dist., mkd. X ST.</li> <li>in aspen, 5 ins. in diam., bears 3. 42°-201 K., 0.02 chs. dist., mkd. X ST.</li> <li>in aspen, 5 ins. in diam., bears 3. 42°-301 M., 0.73 Chs. dist., mkd. X ST.</li> <li>in aspen, 5 ins. in diam., bears 8. 43°-301 M., 0.73 Chs. dist., mkd. X IST.</li> <li>in aspen, 5 ins. in diam., bears 8. 43°-301 M., 0.73 Chs. dist., mkd. X IST.</li> <li>in aspen, 5 ins. in diam., bears N. 15°-15' M., 1.20 chs. dist., mkd. X IST.</li> </ul> </li> </ul>			
<ul> <li>A unite painted wood post, 2x xx ins., set 18 ins. in the ground, bears WEST, 50 feet dist., and mkd. N-3 1/64 SLA NM.</li> <li>15,006 Foint for the S-N-5 1/250 Sec. cor. of Secs. 13 and 14.</li> <li>Set a 40 penny spike flush with surface from which <ul> <li>A white painted wood post, 2x 2x 30 ins., 18 ins. in the ground, bears WEST 50 feet dist., and mkd. S-H-5 1/250 SlA NM.</li> </ul> </li> <li>20,008 Foint for the S 1/10_sec. cor. of Secs. 13 and 14.</li> <li>Set a irron post, 24 ins. in diam., 28 ins. lodg, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>Sl4   \$13</li> <li>. An aspen, 4 ins. in diam., bears M. 40°,01 E., 1.505 chs. dist., mkd. S 1/16 Gl3 ST.</li> <li>. An espen, 4 ins. in diam., bears 5, 47°,201 W., 1.505 chs. dist., mkd. S 1/16 Gl3 ST.</li> <li>. Corner is set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througu 2nd growth timber.</li> <li>. 79,50 Trail road, bears M. 78° E., and S. 78° W.</li> <li>(0.010 The opr. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and Fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 42°,30<sup>1</sup> N., 0.78 Chs. dist., mkd. X ET.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30<sup>1</sup> N., 0.78 Chs. dist., mkd. X ET.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30<sup>1</sup> N., 0.78 Chs. dist., mkd. X ET.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30<sup>1</sup> N., 0.78 Chs. dist., mkd. X ET.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30<sup>1</sup> N., 0.78 Chs. dist., mkd. X ET.</li> <li>An aspen, 3 ins. in diam., bears N. 15°,15<sup>1</sup> W., 1.26 chs. dist., mkd. X ET.</li> </ul>			
<ul> <li>15.006 Foim for the S-H-S 1/250 Sec. cor. of Secs. 15 and 14.</li> <li>Set a 40 penny spike flush with surface from which <ul> <li>A white painted wood post, 2x3x30 ins., 18 ins. in the ground, bears WEST 50 feet dist., and mkd. S-H-S 1/250 S14 FM.</li> </ul> </li> <li>20.008 Foint for the 3 1/10_sec. gor. of Secs. 13 and 14.</li> <li>Set an iron post, 2½ ins. in diam., 28 ins. long, flush with the surface of the ground, with the brass cap mkd. <ul> <li>S 1/16</li> <li>S14   S13</li> <li>. 1951</li> </ul> </li> <li>from which <ul> <li>a spruce, 5 ins. in diam., bears N. 40° 50° E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ins. in diam., bears S, 47° 30° W., 1.505 chs. dist., mkd. S 1/16 S14 ET.</li> <li>Corner 1g set at the intersection of roads which bear N., E., and Y.</li> <li>Thence over level land through 2nd growth timber.</li> <li>Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.010 The opr. of Secs. 13, 14, 23, and 24, which is gonumented with an iron post, 2 ins. in diam., itematy set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 42°20° E., 1.00 chs. dist., mkd. X HT.</li> <li>An aspen, 5 ins. in diam., bears S. 42°00° E., 0.61 chs. dist., mkd. THS X2W S22 HT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°20° W., 0.78 Chs. dist., mkd. THS X2W S24 HT.</li> <li>An aspen, 5 ins. in diam., bears N. 13°15′ W., 1.26 chs. dist., mkd. X HT.</li> </ul></li></ul>			A white painted wood post, 2x3x36 ins., set 18 ins. in the
<ul> <li>Set a 40 penny spike flush with surface</li> <li>from which <ul> <li>A' white painted wood post, 22,230 ins., 13 ins. in the ground, bears WEST 50 feet dist., and mkd. S-W-S 1/256 S14 RM.</li> </ul> </li> <li>20.008 Foint for the S 1/10_sec. gor, of Secs. 13 and 14.</li> <li>Set an iron post, 2% ins. in diam., 28 ins. lodg, flush with the surface of the ground, with the brass cap mkd. <ul> <li>S 1/16</li> <li>S14 { \$13</li> <li>.1951</li> </ul> </li> <li>from which <ul> <li>A spruce, 5 ins. in diam., bears N. 40° 0° E., 1.505 chs. dist., mkd. S 1/16 613 ET.</li> <li>An aspen, 4 ins. in diam., bears S. 47° 20° W., 1.505 chs. dist., mkd. S 1/16 613 ET.</li> <li>Corner ig set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land through 2nd growth timber.</li> <li>59.50 Trail road, bears M. 78° E., and S. 78° W.</li> <li>\$0.016 The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 1.00 chs. dist., mkd. TIS N2W S24 ET.</li> <li>An aspen, 5 ins. in diam., bears S. 62°00' E., 0.31 ons. dist., mkd. TIS N2W S24 ET.</li> <li>An aspen, 5 ins. in diam., bears S. 13°15' W., 1.26 chs. dist., mkd. TIS N2W S24 ET.</li> </ul></li></ul>		15.006	
<ul> <li>from which</li> <li>A white painted wood post, 2x2x30 ins., 18 ins. in the ground, bears MEST 50 feet dist., and mkd. S-M-S 1/250 S14 HM.</li> <li>20.008 Foint for the S 1/10_sec. gor, of Secs. 13 and 14.</li> <li>Set an iron post, 2½ ins. in diam., 28 ins. long, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14.   S13</li> <li></li></ul>	•	'	et all the second s
<ul> <li>bears WEST 50 feet dist., and mkd. S-N-S 1/256 S14 RM.</li> <li>20.008 Foint for the S 1/16_ssc. gor, of Secs. 13 and 14.</li> <li>Set an iron post, 2½ ins. in diam., 28 ins. long, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14 { \$13</li> <li>. 1951</li> <li>from which</li> <li>A spruce, 5 ins. in diam., bears N. 46°-0' E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>. An aspen, 4 ins. in diam., bears S. 47°-30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner is set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througn 2nd growth timber.</li> <li>59.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The copr. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 43°-30' W., 0.78 Chs. dist., mkd. X BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°-30' W., 0.78 Chs. dist., mkd. T13 X2W S24 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.20 chs. dist., mkd. X BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.20 chs. dist., mkd. X BT.</li> </ul>			
<ul> <li>Set an iron post, 2½ ins. in diam., 28 ins. loāg, flush with the surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14.   S13</li> <li>.1951</li> <li>from which</li> <li>A spruce, 5 ins. in diam., bears N. 40°,0' E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ins. in diam., bears S. 47°,30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner iş set at the intersection of roads which bear N., E., and M.</li> <li>Thence over level land througa 2nd growth timber.</li> <li>59.50</li> <li>Trail road, bears M. 78° E., and S. 78° W.</li> <li>40.016</li> <li>The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., bears M. 20°15' E., 1.00 chs. dist., mkd. X ET.</li> <li>An aspen, 3 ins. in diam., bears S. 62°00' E., 0.81 cms. dist., mkd. X ET.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.81 cms. dist., mkd. TIS R2W S24 ET.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30' W., 0.78 Chs. dist., mkd. TIS R2W S24 ET.</li> <li>An aspen, 5 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X ET.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cootonwood and birch timber with alder, aspen and</li> </ul>		<b>t</b>	
<ul> <li>surface of the ground, with the brass cap mkd.</li> <li>S 1/16</li> <li>S14.   S13</li> <li>. 1951</li> <li>from which</li> <li>A spruce, 5 ins. in diam., bears N. 40°,0° E., 1.505 chs. dist., mkd. S 1/16 S15 BT.</li> <li>An aspen, 4 ins. in diam., bears S, 47°,30° W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner iş set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througa 2nd growth timber.</li> <li>39.50</li> <li>Trail road, bears N. 78° E., and S. 78° W.</li> <li>K0.016</li> <li>The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., irmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. X BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°,30' W., 0.78 Cns. dist., mkd. T1S N2W S22 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Iand level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>		<b>20.</b> 008	Point for the S 1/16_sec. cor, of Secs. 13 and 14.
<ul> <li>S 1/16</li> <li>S14. [ S13</li> <li></li></ul>			
<ul> <li>S14   \$13</li> <li>. 1951</li> <li>from which</li> <li>A spruce, 5 ins. in diam., bears N. 46° 50' E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ine. in diam., bears S, 47° 30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner iş set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througa 2nd growth timber.</li> <li>59.50</li> <li>Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016</li> <li>The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 62°00' E., 0.81 cns. dist., mkd. T1S R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43° 30' W., 0.73 Cns. dist., mkd. T1S R2W S24 ET.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> </ul>			
<ul> <li>from which <ul> <li>A spruce, 5 ins. in diam., bears N. 46° 20' E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ins. in diam., bears S. 47° 30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner iş set at the intersection of roads which bear N., E., and W.</li> </ul> </li> <li>Thence over level land througa 2nd growth timber.</li> <li>39.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears S. 62°00' E., 0.81 cns. dist., mkd. X BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43° 30' W., 0.78 Cns. dist., mkd. TIS R2W S22 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> </ul>		•	
<ul> <li>A spruce, 5 ins. in diam., bears N. 40°,0' E., 1.505 chs. dist., mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ins. in diam., bears S. 47°,30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner is set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througn 2nd growth timber.</li> <li>59.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The opr. of Secs, 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears M. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 5 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 15°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>An aspen, 3 ins. in diam., bears N. 15°15' W., 1.26 chs. dist., mkd. X BT.</li> </ul>		х х.	
<ul> <li>mkd. S 1/16 S13 BT.</li> <li>An aspen, 4 ins. in diam., bears S. 47°30' W., 1.505 chs. dist., mkd. S 1/16 S14 BT.</li> <li>Corner iş set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land througa 2nd growth timber.</li> <li>59.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears M. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 5 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, aspre. and diam.</li> </ul>	·		from which
<ul> <li>mkd. S 1/16 S14 BT.</li> <li>Corner is set at the intersection of roads which bear N., E., and W.</li> <li>Thence over level land through 2nd growth timber.</li> <li>59.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The cpr. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.31 chs. dist., mkd. TIS R2W S24 ET.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>			
and W. Thence over level land througa 2nd growth timber. 59.50 Trail road, bears N. 78° E., and S. 78° W. 40.016 The cor. of Secs, 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen. from which new bearing trees An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT. An aspen, 4 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. TIS R2W S24 BT. An aspen, 5 ins. in diam., bears S. 43°30' W., 0.73 Cns. dist., mkd. TIS R2W S23 BT. An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT. Land level. Soil, sandy loam. Timber, spruce, cottonwood and birch timber with alder, aspen and		¢	
<ul> <li>J9.50 Trail road, bears N. 78° E., and S. 78° W.</li> <li>40.016 The cor. of Secs, 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.81 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°30' W., 0.78 Cns. dist., mkd. TIS R2W S23 ET.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> </ul>			
<ul> <li>40.016 The cor. of Secs. 13, 14, 23, and 24, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°30' W., 0.73 Cns. dist., mkd. TIS R2W S22 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 15°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>			Thence over level land through 2nd growth timber.
<ul> <li>iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and fallen.</li> <li>from which new bearing trees</li> <li>An aspen, 3 ins. in diam., bears (N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.81 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°30' W., 0.78 Cns. dist., mkd. TIS R2W S25 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>		39.50	Trail road, bears N. 78° E., and S. 78° W.
<ul> <li>An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.31 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°30' W., 0.78 Cns. dist., mkd. TIS R2W S23 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>		40.015 .	iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. All the original bearing trees dead, burned and
<ul> <li>An aspen, 3 ins. in diam., bears N. 20°15' E., 1.00 chs. dist., mkd. X BT.</li> <li>An aspen, 4 ins. in diam., bears S. 62°00' E., 0.81 cns. dist., mkd. TIS R2W S24 BT.</li> <li>An aspen, 5 ins. in diam., bears S. 43°30' W., 0.78 Cns. dist., mkd. TIS R2W S23 BT.</li> <li>An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT.</li> <li>Land level.</li> <li>Soil, sandy loam.</li> <li>Timber, spruce, cottonwood and birch timber with alder, aspen and</li> </ul>			from which new bearing trees
<pre>mkd. TIS R2W S24 BT. An aspen, 5 ins. in diam., bears S. 43°30' W., 0.78 Cns. dist., mkd. TIS R2W S23 BT. An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT. Land level. Soil, sandy loam. Timber, spruce, cottonwood and birch timber with alder, aspen and</pre>	۲	• -	
mkd. TIS R2W S23 BT. An aspen, 3 ins. in diam., bears N. 13°15' W., 1.26 chs. dist., mkd. X BT. Land level. Soil, sandy loam. Timber, spruce, cottonwood and birch timber with alder, aspen and			
mkd. X BT. Land level. Soil, sandy loam. Timber, spruce, cottonwood and birch timber with alder, aspen and			
Soil, sandy loam			
			Soil, sandy loam

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<u> </u>	Chains	. J. J. S., R. , 2 W., F.M.
		S. 89°58' E., bet. secs. 15 and 24.
		Over level land through an old burn covered with 2nd growth aspen, willow, spruce and alder.
	9.20	Leave brush, bears N. and S; enter clearing for gravel pit.
	15.40	West edge of a water filled gravel pit bears generally NNE. and S.
	90,25	East edge of same gravel pit bears NNE. and SSW.
•	31.75	Power line bears parallel to nighway.
	34 <b>.1</b> 7	Center line of a gravel highway bears N. 38°30' E., and S. 38°30' W.
		Thence across the Fairbanks International Airport.
< /	40.024	The $\pm$ sec. cor. of Secs. 13 and 24, which is monumented with an iron post, 1 in. in diam., mkd. as described in the official record, set at the Wedge and flush with a concrete apron of the runway of the airfield; W. edge of the apron bears N. 38° E., and S. 38° W.
		S. 89°53' E. Beginning new measurement.
	28,00	Shore of a lake bears generally S. and NNW.
	40.026	The true point for the cor. of Secs. 13, 18, 19 and 24, on the E. bdy. of the township, falls in the lake. Witnessed as described in the field note record of the 1951 resurvey of a portion of the W. boundary of T. 1 S., R. 1 W., F.M.
		From the cor. of Secs. 11, 12, 13 and 14.
	•	N. 89°58' W., bet. Secs. 11 and 14.
۰.	•	Over level land, through dense willow, aspen and alder brush, and scattered spruce and cottonwood timber.
٩	• 3,65	Left bank of old channel of Cripple Creek, 8 feet high, bears SSE. and NNW.
	4.10	Right bank of same creek.
·	11.48	Power line bears parallel to highway.
	11.93	Centerline of a gravel highway bears N. 27°27' E., and S. 27°27' W.
	12.38	Telephone line bears parallel to highway.
	13.00	Side road, bears N. and S.
r •	18.70	Center of a drainage ditch, tailings from gold dredges, 40 lks. wide 12 feet deep, course SSW.
	19.958	Point for the E $1/16$ Sec. cor. of Secs. 11 and 14.
۰.	•	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with brass cap mkd.
• •	•	S 11.
		E 1/16 -
· -	·	1951
		•
		Dig pits, 18x18x12 ins., E. and W. 3 feet dist.

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F.M 30.00 Base of slope - NNE. and SSW. . Thence ascend 115 feet over E. slope to cor. Trail road, bears N. and S. 31.97 The  $\frac{1}{4}$  sec. cor. of Secs. 11 and 14, which is monumented with an iron 39.916 post, 1 in. in diam., firmly set, mkd. and witnessed as described in the official record. N. 89°58" W., beginning new measurement. Continue ascent 36 feet over E. slope. Crest of spur, slopes NE; thence ascend 145 feet over NE. slope 5.00 to corner. Trail road, bears NNV. and SSE. 6.60 Old pipe line grade, bears NM, and SE., 10 feet wide. 8.30 Point for the W 1/16 sec. cor. of Secs. 11 and 14. 20.012 Set an iron post,  $2^{1}_{2}$  ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd. S 11 w 1/16------\$ 14 1951 from which An aspen, 5 ins. in diam., bears S. 8°00' E., 1.25 cns. dist., mkd. W 1/16 S14 BT. An aspen, 5 ins. in diam., bears N. 45°30' W., 0.055 chs. dist., mkd. W 1/16 S11 BT. Thence ascend 6 feet over NE. slope. Mid-point between two water pipe lines, 2 feet in diam., spaced 6 feet apart and bearing S. 78°20' E., and N. 78°20' M. 20.57 21.00 Crest of spur, slopes ESE.; thence ascend 130 feet over SE. slope to corner. Telephone line bears parallel to pipe lines. 21.23 25.50 Trail road, bears ESE., and WNW. The cor. of Secs. 10, 11, 14 and 15, which is monumented with an iron post, 2 ins. in diam., firmly set, mkd. and witnessed as 40.023 described in the official record. Land, East 30 chs., level; west 50 chs., mountainous. Soil, sandy loam, the higher ground being a micaceous sandy clay. Timber, spruce, aspen, birch; undergrowth blueberry, red-top and moss S. 0°01' W., bet. Secs. 14 and 15. Descend 185 feet over SE. slope to corner through old burn covered by 2nd growth aspen and birch timber. Point for the N 1/16 sec. cor. of Secs. 14 and 15. 20.001 -28520-1

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	. Te. 1 S., Re. 2 Vers F.M.
Chains	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	· · · · · · · · · · · · · · · · · · ·
	S15   S14
	1951
	from which
	An aspen, 6 ins. in diam., bears N. 35°45" E., 0.20 chs. dist., mkd. N 1/16 S14 BT.
	An aspen, 6 ins. in diam., bears N. 73°00' W., 0.255 chs. dist., mkd. N 1/16 S15 BT.
	Descend 150 feet over SE. slope to corner.
40.003	The $\frac{1}{2}$ sec. cor. of Secs. 14 and 15, which is monumented with an iron post, 1 in. in diam., firmly set, mkd. and witnessed as described in the official record.
	S. 0°Ol' W., beginning new measurement.
	• • •
	Descend 94 feet over SE. slope to base of slope.
5.00	Base of slope, bears NE. and SW.
	Thence over level brushy marsh, through stunted spruce timber.
18.00	N. edge of a slough, bears NE. and SW., 2 ft. deep.
19.20	S. edge of same slough.
19,999	Point for the S 1/16 sec. cor. of Secs. 14 and 15.
•	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	· - · S 1/10
	s 15   S 14
	1951
	from which
	An aspen, 6 ins. in diam., bears N. 30°00' E., 0.935 chs. dist., mkd. S 1/16 S14 BT.
	A tamarack, 14 ins. in diam., bears N. 81°00' W., 1.99 chs. dist., mkd. Scl/16 S 15 GBT.
	Thence through larger timber.
39,998	The cor. of Secs. 14, 15, 22 and 23, which is monumented with an iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. The original bearing trees are dead and faller.
	from which new bearing trees,
	A spruce, 5 ins. diam., bears N. 64°15' E., 0.96 chs. dist., mkd. T1S R2W S14 BT.
	A spruce, 10 ins. in diam., bears S. 36°30' E., 0.37 chs. dist., •mkd. T1S R2W S23 93T.
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		Ta I Soy Rai2 Woy F.M.
	Chains	A spruce, 12 ins. in diam., bears S. 13°15' W., 0.51 chs. dist., mkd. TIS R2W S22 BT.
		A spruce, 5 ins. in diam., bears N. 30°45' W., 0.89 chs. dist., mkd. TIS R2W S15 BT.
		Land, North 45 chs., mountainous; South 35 chs., level bottom. Soil, sandy loam, higher ground being a micaceous sandy clay. Timber, birch, aspen with scattered stands of spruce timber. Undergrowth, brush, blueberry bush and thick moss.
		S. 89°591 E., between Secs. 14 and 23.
		Over level land through spruce and scattered birch timber.
	20.008	Point for the W 1/16 sec. cor. of Secs. 14 and 23.
		Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		<b>S14</b>
	•	W 1/16
		1951
	•	from which
		A spruce, 10 ins. in diam., bears N. 62°30' E., 0.355 chs. dist., mkd. W 1/16 S14 BT.
		A spruce, 8 ins. in diam., bears S. 30°30' E., 0.275 chs. dist., mkd. W 1/16 S23 BT.
	26.864	Centerline of a gravel highway, bears N. 27° 30' E., and S. 27° 30' W.
	37.167	Point selected for the witness meander cor. of Secs. 14 and 23.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
· · ·		T18 S14 WC S23 R2W
		1951
		from which
		A spruce, 10 ins. in diam., bears S. 86°15' W., 2.43 chs. dist., mkd. T1S R2W S23 WC MC BT.
		A spruce, 8 ins. in diam., bears N. 22°00' W., 2.785 chs. dist. mkd. TIS R2W S14 WC MC BT.
		The remaining original bearing tree,
		A spruce, 12 ins. in diam., bears S. 44°45' E., 1.63 chs. dist., with the scribed blaze overgrown.
	39.156	Right bank Chena River, 5 ft. high, bears N. and S.
		Point for the meander cor. of Secs. 14 and 23, at proportionate distance; an unsafe place for a monument.
- - -	40.012	Theoretical position for the $\frac{1}{4}$ sec. cor. of Secs. 14 and 23, at proportionate distance, falls in the river.

<b>1 1 1 1</b>		T. 1 S., R. 2 W., F.M.
	Chains	
	48.13	Left bank, Chena River, bears N. and S.
۲ •		The meander corner of Secs. 14 and 23, which is monumented with an iron post, 2 ins. in diam., firmly set, mkd. and witnessed as described in the official record.
	60.023	Point for the E 1/16 sec. cor. of Secs. 14 and 23 falls 3 feet west of the center of a partially completed new road bed which bears N. and S.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 6 ins. below the surface of the present grade level and mkd.
	•	E 1/16 <u>S 14</u> S 23
		· · · · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·
		from which
		A spruce, 3 ins. in diam., bears N. 26°05' E., 1.357 chs. dist., mkd. X BT.
		A spruce, 4 ins. in diam., bears S. 74°30' E., 0.915 chs. dist., mkd. X BT.
		A telephone pole bears N. 31°40' W., 1.455 chs. dist.
	78.00	Cleared trail, bears ENE. and WSW.
	80.044	The cor. of Secs. 13, 14, 23 and 24.
•	• -	Lend, level. Soil, sandy loam. Timber, spruce, birch, cottonwood. Undergrowth, willow, alder brush, cranberry and blueberry bush and thick moss.
		S. 0°01' E., between Secs. 23 and 24.
:		Over level bottom land through small birch, spruce and aspen timber.
	4.20	Leave timber; enter clearing, bears E. and W.
	15.42	Power line, bears NE. to NW.
	17 <b>.1</b> 2	Center line of gravel road, bears generally E. and W.
÷. •		Thence along west edge of a clearing.
•	22.12	Center of a slough, 60 lks. wide, 8 feet deep, bears ENE. and WSW.
	40.018	iron post, 1 in. in diam., firmly set, and mkd. as described in
<b>t *</b>	•	the official record. The original bearing trees have been destroyed by clearing operations and fire. No suitable bearing trees within reasonable distance.
		S. 0°01' E.; beginning new measurement.
	7.50	Telephone cable, bears E. and W.
	8,30	Power line, bears NNW. and SSE.
	20.011	Point for the S 1/16 sec. cor. of Secs. 23 and 24

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4—678Ъ



-T. 1 S. . R. 2 W. . F.M.

Chains Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with brass cap mkd. s 1/16 s23 | s24 1951 Dig pits, 18x18x12 ins., N. and S., 3 ft. dist. Enter brush, bears E. and W. 26.00 Power line, bears E. and W. 30.96 39.82 Trail road, bears E. and SW. The cor. of secs. 23, 24, 25 and 26, which is monumented with an 40.022 iron post, 2 ins. in diam., firmly set and mkd. as described in the official record. The original accessories have been destroyed. From which New accessories: A spruce, 4 ins. in diam., bears N. 27°20' W., 1.525 chs. dist., mkd. TIS R2W S24 BT. A spruce, 4 ins. in diam., bears N. 51°15; W., 2.015 chs. dist., mkd. TIS R2W S23 BT. NW. cor. of a frame house, bears S. 54°04J E., 1.39 chs. dist. N. 89°57' W., bet. secs. 23 and 26. Over level bottom land along a cleared trail-through spruce, birch and aspen. 0.50 Trail road, bears NE. and SW. 20.053 Point for the E 1/16 sec. cor. of Secs. 23 and 26. Set an iron post, 22 ins. in diam., 28 ins. long, 5 ins. below the surface of the ground at the end of a roadbed under construction, to the North, with the brass cap mkd. **S**26 1951 From which An aspen, 4 ins. in diam., bears S. 38°45' W., 0.93 chs. dist., mkd. E 1/16 S26 BT. An aspen, 4 ins. in diam., bears N. 40°45' N., 1.325 chs. dist., mkd. E 1/16 S23 BT. . e e . 6. 35.00 Enter swampy ground, through low brush, The  $\frac{1}{4}$  sec. cor. of secs. 23 and 26, which is monumented with an iron 40.107 post, 1 in. in diam., firmly set, mkd. and witnessed as described in the official record. Land, level. Soil, sandy loam. C. Timber, spruce, small birch and aspen.

4---678 D



T. 1 S., R. 2 W., F.M.

	<u></u>	T. 1 S., R. 2 W., F.M.
;	Ch <b>ains</b>	BUBDIVISION OF SEC. 23. T. 1 S. R. 2 W. F.M.
		From $\frac{1}{2}$ sec. cor. of Secs. 23 and 26.
		N. 0°02' E., on the N. and S. centerline of Sec. 23.
		Over level swampy land.
	5.22	Power line, bears E. and W.
	11.90	Leave swamp, enter timber bears SE. and NW.
	20.02	Point for the C-S 1/16 Sec. cor. of Sec. 23.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.
		S 23
	•	
		1/16
		<b>1951 .</b> O.
. •	,	from which
۰ ،	•	A spruce, 12 ins. in diam., bears N. 46°00' E., 0.63 chs. dist., 
	•	A spruce, 6 ins. in diam., bears S. 23°00' E., 1.27 chs. dist., mkd. CS 1/16 S23 ET,
	25.025	Point for the C-S-N-S 1/256 sec. cor. of Sec. 23.
	с. е <sup>с</sup>	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-N-S 1/256 S23.
	28.43	Center of a trail road, bears ENE. and SW.
	28,60	Point selected for the witness special meander cor. of limited control for Sec. 23.
	، <u>،</u> و لاد	Set an iron post, 21 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		WC
		SMC C
	``	8 23
		C
		1951 (···
ę -	٠	from which
	• · · ·	A.cottonwood, 6 ins. in diam., bears N. 65°15' E., 0.085 chs. dist., mkd. S23 WCSMC BT.
		A cottonwood, 6 ins. in diam., bears S. 54°15' W., 0.695 chs. dist., mkd. S23 WCSMC BT.
	29,60	Loft bank Chena River 10 ft. high, bears N. 67° E., and S. 67° W.
		True point for the special meander cor. of limited control.
	30,658	Intersect the original meanders of the left bank which are now within the present channel of the Ghena River.

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**4—6**78 b





T. 1.S., R. 2 W., F.M. . .

	Chains	
	,38,579	Intersect the meanders of the right bank of the Chena River. Sloping bank, 2 to 4 feet high bears NE. and SW
	.40.041	Point for the $C_{\pm}^{1}$ Sec. Cor. of Sec. 23, at the intersection with the E. and W. center line.
		Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	. e	S23 − − .
		· · · · · · · · · · · · · · · · · · ·
		1951
		from which
		A cottonwood, 7 ins. in diam., bears N. 2°15' E., 0.33 chs. dist., mkd. C1 S23 BT.
		A cottonwood, 6 ins. in diam., bears S. 82°00' W., 0.58 chs. dist., mkd. C2 S23 BT.
		N. 0°02' E., beginning new measurement.
	5.00	Center of a dry slough, 50 lks. wide, 5 ft. deep, bears NNE. and SSW.
	13.00	Center of bulldozed trail 50 lks. wide, bears SE. and NW.
	26.60	Center of a slough 40 lks. wide, 4 ft. deep, bears E.and W.
	30.67	Trail road bears E. and W.
	35.913	Intersect the meanders of the right bank of the Chena River; bank 10 feet high bears N. 15° W. and S. 15° E.
	39.978	Theoretical point for the $\frac{1}{4}$ Sec. Cor. of Secs. 14 and 23, which falls in the river.
		Land,, level. Soil, sandy loam. Timber, spruce, cottonwood and birch, with small aspen, spruce, willow saplings and alder; undergrowth, moss.
		From the $\frac{1}{4}$ sec. cor. of Secs. 23 and 24.
		N. 89°55' W., on the E. and W. centerline of Sec. 23.
		Over level bottom land through 2nd growth birch, aspen and spruce timber, underbrush and grass.
	3.50	Power line, bears NW. and SE.
•	20.03	Point for the C-E 1/16 sec. cor. of Sec. 23 falls in the center of a new roadbed under construction; bears N. and S.
:		Set an iron post, 22 ins. in diam., 28 ins. long, 5 ins. below the present level of the roadbed with the brass cap mkd.
:		S23 C-E
	· · · ·	$\frac{1}{1/16}$
	· · · · -	-1951
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T. 1 .S., R. 2 W., F.M.

• • • •	Chains	· · · · · · · · · · · · · · · · ·
	Chains	from which
	•	A birch, 3 ins. in diam., bears N. 59°00' E., 1.58 chs. dist., mkd. X BT.
		A spruce, 6 ing. in diam., bears S. 7°15' E., 4.50 chs. dist., mkd. CE 1/16 S23 BT.
	25.038	Roint for the C-E-W-E 1/256 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-W-E 1/256 S23.
	26.50	Point selected for witness special meander cor. of limited control on the E. and W. centerline of Sec. 23.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.
•	• • • • •	$\frac{1}{3}$ $\frac{1}$
	•	amu / 25 •
		ستشاهرت القاران المعالي والمحالي المعالية والمعالية والمعالية والمعالية والمعالية والمعالية والمعالية والمعالية
	07 40	dig pits, 18x18x12 ins., E. 3 feet and 6 feet dist.
	27.63	Present left bank Chena River, 10 feet high, bears N. 30° E., and S. 30° W.
		True point for the special meander cor. of limited control.
	28,328.	Intersect the record position of the original meanders of the left bank which are now within the present channel of the river.
	38.652	Right bank Chena River, 2 to 4 feet high, bears NE. and SW.
		Intersect the original meanders of the right bank of the Chena River.
	40.061	The C <sup>1</sup> / <sub>4</sub> sec. cor. of Sec. 23.
		N. 89°55' W., beginning new measurement.
- 14		Over level bottom land through heavy cottonwood and scattered spruce timber.
• • •	3.70	Center of slough, 50 lks. wide, 3 feet deep, bears NE. and SW.
	6.00	Enter smaller timber.
	10.00	E. edge of a slough, 3 feet deep, bears NE. and SW.
	12.30	W. edge of same slough.
	20.00	Enter dense alder brush, bears generally N. and S.
	37.98	Centerline of a gravel highway, bears N. 39°27' E., and S. 39°27' W.
1	40.004	The $\frac{1}{2}$ sec. cor. of Secs. 22 and 23, which is monumented with an iron post, 1 in. in diam., firmly set, mkd. and witnessed as described in the official record.
		Land, level bottom land. Soil, sandy loam Timber, spruce, cottonwood, birch, with undergrowth of willow saplings, alder brush and a thick moss.

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	Chains	SUBDIVISION OF THE SET OF SECTION 23
		From the CE 1/16 sec. cor. of Sec. 23
	¢	SOUTH, on the N. and S. centerline of the SET, Sec. 23.
		Over level land, along the center of a new roadbed under construction.
	\$.004	Point for the C-N-N-SE 1/256 sec. cor.of Sec. 23
		Set a 40 penny spike, flush with the surface
		From which
		A white painted wood post, 2x3x36 ins., set 18 ins. in the ground, bears WEST, 50 feet dist., and mkd. C-N-N-SE 1/256 S23 RM:
	·10,008	Point for the C-N-SE 1/64 sec. cor. of Sec. 23.
		Set a 40 penny spike flush with surface
		From which
		A white painted wood post, 2x3x36 ins., set 18 ins. in the ground, bears WEST, 50 feet dist.,,and marked C-N-SE 1/64 S23 RM.
	15.012	Point for the C-S-N-SE 1/256 sec. cor. of Sec: 23
		Set a 40 penny spike flush with surface
	c	from which
	.÷ *	A white painted wood post, 2x3x36 ins., set 18 ins. in the ground, bears WEST, 50 feet dist., and mkd. C-S-N-SE 1/256 S23 RM.
	20 <b>.01</b> 6	Point for the SE 1/16 sec. cor. of Sec. 23, at the intersection with the E. and W. centerline.
		Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, 5 ins. below the surface of the present roadbed, with the brass cap mkd.
	e .	S23 SE 1/16
		· 1951· · · · ·
		from which
	 	A spruce, 8 ins. in diam., bears N. 31°00' E., 2.945 chs. dist., mkd. SE 1/16 S23 BT.
	···· •	A spruce, 8 ins. in diam., bears N. 9°00' W., 3.82 chs. dist., mkd. SE 1/16 S23 BT.
	32.916	Power line, bears E. and W.
	40.032	The E 1/16 sec. cor. of Secs. 23 and 26.
	۰.	
·		From the S 1/16 sec. cor. of Secs. 23 and 24.
		N. 89°56' W., on the E. and W. centerline of the SEt of Sec. 23.
		Over level land through low brush, scattered second growth timber.
	20.042	The SE 1/16 sec. cor. of Sec. 23

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	Chains	
	25.053	Point for the C-E-W-SE 1/256 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-W-SE 1/256 S23.
•	30,063	Point for the C-W-SE 1/64 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36_ins_, 18 ins. in the ground, mkd. C-W-SE 1/64 S23.
	31.10	Enter swampy slough, bears NW. and SE.
:	32.70	Leave swamp, bears NW. and SE.
e ·	35.074	Point for the C-W-W-SE 1/256 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36 ins_, 18 ins. in the ground, mkd. C-W-W-SE 1/256 S23.
	40.084	The C-S 1/16 Sec. cor. of Sec. 23.
		SUBDIVISION OF THE NW. + SET. SEC. 23
	•	From the C-N-SE 1/64 sec. cor. of Sec. 23.
		N. 89°56 W., on the E. and W. centerline_of the NWH of the SEH of sec. 23.
	5.009	Point for the C-E-NW-SE 1/256 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-NW-SE 1/256 S23.
	10.018	Point for the NW-SE 1/64 sec. cor. of Sec. 23, at the intersection with N. and S. center line.
		Set a white painted wood post, 2x3x36 ins. 18 ins. in the ground, mkd. NW-SE 1/64 S23.
	15.027	Point for the C-W-NW-SE 1/256 sec. cor. of Sec. 23.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-NW-SE 1/256 \$23.
	15.67	Trail road, bears ENE., and WSW.
	19.029	Left bank Chena River bears ENE. and WSW.
۰ ,	•	Intersect the new meanders of the left bank of the Chana River at a point N. 66°50' E., 1.095 chs. dist. from the true point for the special meander cor. on the N. and S. centerline of Sec. 23.
	ີ 20₊0 <i>3</i> 6	Theoretical position for the C-N-S 1/64 sec. cor. of Sec. 23 falls in the river.
		From the C-W-SE 1/64 sec. cor. of Sec. 23.
		N. 0°01' E., on the N. and S. centerline of the $NW_{\frac{1}{2}}$ of the SE <sup>1</sup> of Sec. 23.
		Over level land through small size spruce.
	5.005	the second se
		The NW-SE $1/64$ sec. cor. of Sec. 23.
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95 = 19 = T. 1'S., R. 2 W., F.M. Chains Point for the C-N-NW-SE 1/256 sec. cor. of Sec. 23. No monument set. 15.014 15,562 Left bank Chena River, 6 ft. high, bears N. 28°E., and S. 28° W. Intersect the new meanders of the left bank of the Chena River. 20.018 Point for the C-W-E 1/64 sec. cor. of Sec. 23 falls in the river. \* τ۰ SUBDIVIVION OF SECTION 14. From the # sec. cor. of Secs. 11 and 14 S. 0°02' W., on the N. and S. centerline of Sec. 14 Ascend 9 feet over NE. slope, through 2nd growth birch and aspen timber. 0.90 Crest of spur, slopes E. Thence descend 21 feet over gentle E. slope. A point between two water pipe lines, 2 feet in diam., 6 feet apart and bearing S. 64°45' E., and N. 64°45' W. 7.00 7.35 Telephone line bears parallel to pipe lines. 8.50 Thence descend 105 feet over steep S. slope to base of slope. · 13.30 Base of slope bears NE. and SW; thence over niggerhead swamp, through stunted spruce. Point for the C-N 1/16 sec. cor. of Sec. 14. 19.995 Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd. S14 C<u></u>∎N 1/16 1951 dig pits, 18x18x12 ins., N. and S., 3 feet distant. 24.50 Enter dense small aspen, alder and willow. 24.993 Point for the C-N-S-N 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-N 1/256 S14. Point for the C-S-N 1/64 sec. cor. of Sec. 14. 29.992 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-N 1/64 \$14.

34.00 Enter stand of large spruce timber.

34.991 Point for the C-S-S-N 1/256 sec. cor. of Sec. 14.

Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-N 1/256 S14.

39.99 Point for the C<sup>1</sup>/<sub>4</sub> Sec. Cor. of Sec. 14, at the intersection with the E-W centerline.

Chains	Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the
	ground, with the brass cap mkd.
	$\mathbf{S}_{\mathbf{L}}^{S}$
	1951
•	from which
	A spruce, 8 ins. in diam., bears N. 3°50' E., 2.075 chs. di mkd. Cr S14 BT.
	A spruce, 6 ins. in diam., bears N. 76°45' W., 1.065 chs. d mkd. C <del>1</del> S14 BT.
	S. 0°02'W., beginning new measurement.
	Over level bottom land through dense willow, alder, birch, aspen and scattered spruce timber.
5.00	Point for the C-N-N-S 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the groun mkd. C-N-N-S 1/256 S14.
9.36	Trail road, bears E. and W.
10.00	Point for the C-N-S 1/64 sec. cor. of Sec. 14.
: e	Set a white painted wood post, 2x3x36 ins., 18 ins. in the group mkd. C-N-S 1/64 S14.
13.98	Telephone line bears parallel to the highway.
14.769	Centerline of a gravel highway, bears N. 27°30' E., and S. 27°30
16.709	Point selected for the witness special meander cor. on the N. an centerline of Sec. 14.
	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
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e e	• 1
	from which
	A cottonwood, 6 ins. in diam., bears N. 89°30' E., 0.465 ch dist., mkd. S14 WC SMC BT.
	A cottonwood, 6 ins. in diam., bears S. 24°45' W., 0.89 ch. dist., mkd. S14 WC SMC BT.
18.779	Right bank Chena River bears N. 30° E., and S. 30° W.
۰.	Intersect meanders of the right bank Chena River.
	True point for the special meander cor. falls on cut bank; unsaf place for the monument.
1	Theoretical position for the C-S 1/16 sec. cor. of Sec. 14 falls

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• •T. 1 S., •R. 2 W., •F.M.

	40.001	Theoretical position for the $\frac{1}{4}$ sec. cor. of Secs, 14 and 23 falls in the river.
		Land, N. 13 chs. mountainous; S. 67 chs. level. Soil, higher ground, micaceous sandy clay; bottom land, sandy loam. Timber, mostly 2nd growth birch, aspen, with scattered stands of spruce timber.
ŀ		Undergrowth, willow and alder brush and thick moss.
	. 1	From the $\frac{1}{4}$ sec. cor. of Secs. 13 and 14.
		WEST, on the E. and W. centerline of Sec. 14.
	e e	Over level bottom land, through dense willow, alder and aspen, with belts of large spruce timber.
	4.996	Point for the C-E-E-E 1/256 sec. cor. of Sec. 14.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-E 1/256 S14.
	9.993	Point for the C-E-E 1/64 sec. cor. of Sec. 14
	· · · ·	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E 1/64 S14.
	14.989	Point for the C-W-E-E 1/256 sec. cor. of Sec. 14.
	t	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-E 1/256 S14.
	<b>i7.0</b> 0	Point selected for the witness special meander cor. on left bank Chena River.
	<b>.</b>	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		WC, S
		SMC / 14 C
		•
		from which
		A spruce, 10 ins. in diam., bears N. 34°30' E., 1.79 chs. dist. mkd. S14 WC SMC BT.
		A spruce, 10 ins. in diam., bears S. 37°20' E., 0.555 chs. dist. mkd. S14 WC SMC BT.
	19.618	Left bank Chena River 4 ft. high, bears N. 30°E. and S. 30° W.
		Intersect meanders of the left bank.
۰.	•	True point for the special meander cor.
۰,	19.986	Theoretical position for the C-E 1/16 sec. cor. of Sec. 14, falls in the river.
	<b>29.</b> 456	Right bank Chena River 4 ft. high, bears N. 35° E., and S. 35° W.
		Intersect meanders of right bank.
		True point for the special meander cor.
	29.97	Point selected for the witness special meander cor.
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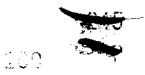
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T. 1 S., R. 2 W., F.M. Chains Set an iron post, 22 ins. in diam.,28 ins. long, 25 ins. in the . . . ground, with the brass cap mkd.  $C \frac{S}{14} / C \frac{S}{SMC}$ · 1951 dig pits, 18x18x12 ins., West 3 and 6 feet dist. 32.283 Centerline of a gravel highway bears N.27°30' E., and S. 30' W. 32.76 Telephone line parallel to the highway. Point for the C-W-W-E 1/256 sec. cor. of Sec. 14. 34.975 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-W-E 1/256 S14.  $C \in$ The 02 sec. cor. of Sec. 14. 39.972 WEST, beginning new measurement. Q., .: Over level land through dense willows, alder and scattered spruce timber. Point for the C-E-E-W 1/256 sec. cor. of Sec. 14. 5.003 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-W 1/256 S14. Thence over swampy land through willow brush and stunted spruce. 10.005 Point for the C-E-W 1/64 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-W 1/64 S14. Point for C-W-E-W 1/256 mec. cor. of Sec. 14. 15.008 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-W 1/256 S14. 20.01 Point for the C-W 1/16 sec. cor. of Sec. 14. Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd. ίτ \_ r +- ++ **S14** . C-W 1/16 1951 from which A spruce, 4 ins. in diam., bears S. 16°45' W., 1.155 chs. dist., mkd. C W 1/16 S14 BT. A spruce, 8 ins. in diam., bears N. 66°30' W., 3.095 chs. dist., mkd. C W 1/16 S14 BT. Base of slope, bears NE. and SW; thence ascend 95 feet over SE. 34.60 slope to cor. 40.021 The  $\frac{1}{4}$  sec. cor. of Secs. 14 and 15. Land level, extending into steep slope W. 5 chs. Soil, sandy loam. Timber, spruce, birch, aspen, scattered cottonwood; undergrowth of alder and willow brush and moss.

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. T. 1.S. ,.R., 2 W.,.F.M.

	<del>.</del>	- T. 1.S. s. Roc 2 Hog. F.M.
	Chains	SUBDIVISION OF NET of Sec. 14.
		From the E 1/16 sec. cor.of Secs. 11 and 14.
	A <u>1</u>	SOUTH, on the N. and S. centerline of the NET of Sec. 14.
		Over level land through dense willow, alder, birch, with scattered spruce timber.
Ĩ	6, 30	Center of drainage ditch, tailings from gold dredges, 40 lks. wide, 12 feet deep, course SSW.
	14.60	Telephone line bears parallel to highway.
	15.46	Centerline of a gravel highway bears N. 27°28' E., and S. 27°28' W.
	16.43	Point between two water pipe lines, 2 feet in diam., spaced 6 feet apart, and bearing S. 64°45' E., and N. 64°45' W.
	16.69	Telephone line bears parallel to the pipe lines.
	18.90	Driveway to the United States Smelting, Refining and Mining Company pump station bears E. and W.
	<b>19.98</b> 6	Point for the NE 1/16 sec. cor. of Sec. 14 at the intersection with E. and W. centerline.
۰.		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.
	•	S14 NE 1/16
		1951
1	•	dig pits, 18x18x12 ins. N. and S. 3 feet distant.
		From this point the SE. cor. of the United States Smelting, Refining and Mining Co. pump station building, approximately 180 feet x 36 feet bears N. 70°25' E., 4.87 chs. dist., longway N. 65° W.
·	. *	
		SOUTH, beginning new measurement.
	:	Over level bottom, through dense willow and alder brush.
	1.90	Center of a drainage ditch, 40 lks. wide, 6 feet deep, course SE.
	5.000	Point for the C-N-S-NE 1/256 sec. cor. No monument set.
	5.003	Point selected for the witness special meander cor. on the right bank Chena River.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		<b>E</b>
1		$\cdot \cdot $
		WC
		dig pits 18x18x12 ins. N. 3 and 6 feet distant.
	7.071	Right bank Chena River, 3 feet high bears N. 34° E., and S. 34° W.
		Intersect meanders of right bank.

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	1C1
Chains	True point for the special meander cor.; unsafe place for the monument.
20,00	sec. Theoretical position for the C-E 1/16/cor. of Sec. 14 falls in the river.
	From the N 1/16 sec. cor.of Secs. 13 and 14.
<b>ر</b> •	N. 89°59' W., on the E. and W. centerline of the NET of Sec. 14.
	Over level bottom land through dense willow and alder brush and scattered cottonwood.
£ <b>.</b> 999	Point selected for the witness special meander corner on the left bank of Chena River.
	Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.
	WC S
•	SMC 14
	1951
	from which
	A cottonwood, 14 ins. in diam., bears S. 17°00' E.,1.04 chs. dist., mkd. S14 WC SMC BT.
	A cottonwood, 12 ins. in diam., bears S. 10°00' W., 1.21 chs. dist., mkd. S14 WC SMC BT.
3.399	Left bank of Chena River 3 ft. high, bears N. 70° E., and S. 70° W.
	Intersect meanders of the left bank.
	True point for the special meander corner.
15,063	Right bank of Ghena River 5 feet high, bears N. 34° E., and S. 34° W.
	Intersect meanders of the right bank.
	True point for the special meander corner; unsafe place for a monument.
17.52	Point selected for the witness special meander cor. on the right bank of Chena River.
	Set an iron post, 21 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	S WC N 14/SMC
	1951
	dig pits, 18x18x12 ins., West 3 and 6 feet distant.
19.972	The NE 1/16 Sec. cor. of Section 14.
	N. 89°59' W., beginning new measurement.
	Over level bottom land through dense willow, aspen and alder brush.
0.80	Left bank of a drainage ditch, 6 feet high, course SW.
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. . T. .1 S., R. .2 W., F.M.

	T <sub>4</sub> .1 S <sub>•</sub> , R <sub>4</sub> .2 W <sub>•</sub> , F.M.
Chains	
1.877	Centerline of a gravel highway, at a point near the S. end of a small pile bridge, bears S. 27°30'W.; thence across bridge at approximately N. 18° E.
9.986	Point for the C-W-NE 1/64 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-NE 1/64 S14.
14.979	Point for the C-W-W-NE 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-W-NE 1/256 S14.
• · · · ·	Thence enter swampy land, through stunted spruce.
19.972	The C-N 1/16 sec. cor. of Sec. 14.
:	SUBDIVISION OF THE SET NET OF SEC. 14
	From the S-N 1/64 sec. cor. of Secs. 13 and 14.
	WEST, on the E. and W. centerline of the SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Sec. 14.
• •	Over level land through spruce timber and dense willow and alder brush.
4+995	Point for the C-E-SE-NE 1/256 sec. cor. of Sec. 14.
1 - <b>t</b>	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NE 1/256 S14.
9,99	Point for the SE-NE 1/64 sec. cor. of Sec. 14, at the intersection with the N. and S. centerline.
· · · ·	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NE 1/64 S14.
13.794	Left bank of Chena River, 3 ft. high, bears N. 34° E., and S. 34° W.
• • • •	Intersect the meanders of the left bank of the Chena River.
19.98	Theoretical point for the C-S-NE 1/64 sec. cor. of Sec. 14 falls in the river.
. •	From the C-E-E 1/64 sec. cor. of Sec. 14.
• * .	N. 0°01' W., on the NS centerline of the SET NET of Sec. 14.
•	Over level land through spruce timber and willow underbrush.
5.001	Point for the C-S-SE-NE 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-SE-NE 1/256 S14.
10.002	The SE-NE 1/64 sec. cor. of Sec. 14.
15.003	Point for the C-N-SE-NE 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-SE-NE 1/256 S14.
15.54	Left bank Chena River, 4 ft. high, bears N. 34° E., and S. 34° W.
	Intersect the meanders of the left bank of the Chena River.
<u> </u>	

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Chains	T1 S., R2 W., F.M.
20.004	Theoretical position for the C-E-NE 1/64 sec. cor. of Sec. 14, falls in the river.
	SUBDIVISION OF THE SWE NEED OF SEC. 14
	From the C-S-N 1/64 sec. cor. of Sec. 14.
	EAST, on the E. and W. centerline of the SWH NET of Sec. 14.
	Over level land across swampy land through small spruce.
۰ 4•995	Point for the C-W-SW-NE 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SW-NE 1/256 S14.
9.99	Point for the SW-NE 1/64 sec. cor. of Sec. 14, at the intersection with the N-S centerline.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SW-NE 1/64 S14.
12.49	Telephone line bears parallel to highway.
12.893	Centerline of a gravel highway bears N. 27°30' E., and S. 27°30' W.
17.999	Right bank Chena River, 4 ft. high, bears N. 34° E., and S. 34° W.
	Intersect the meanders of the right bank of the Chena River.
19.98	Theoretical position for the C-S-NE 1/64 sec. cor. of Sec. 14, falls in the river.
	From the C-W-NE 1/64 sec. cor. of Sec. 14
e	S. 0°01' W., on the N. and S. centerline of the SW1 of NE1, Sec. 14.
	Over level land, through small spruce timber.
4.997.	Point for the C-N-SW-NE 1/256 sec. cor. of Sec. 14; no monument set.
9.994	The SW-NE 1/64 sec. cor. of Sec. 14.
14.78	Telephone line, bears N. 27°30' E., and S. 27°30' W.
14.991	Point for the C-S-SW-NE 1/256 sec. cor. of Sec. 14; no monument set.
15.571	Centerline of a gravel highway bears N. 27°30' E., and S. 27° 30' W.
19,988	Point for the C-W-E 1/64 sec. cor. of Sec. 14; not monumented.
	SUBEIVISION OF THE NWF OF SEC. 14
t · ·	From the W 1/16 sec. cor. of Secs. 11 and 14.
	S. 0°01' W., on the N S. centerline of the $NW_{\frac{1}{2}}$ of Sec. 14.
	Descend 150 feet over S. slope, through 2nd growth aspen, alder and scattered large spruce.
0.15	Point between two water pipe lines, 2 feet in diam., spaced 6 feet apart, bear S. 64°45' E., and N. 64°45' W.
°0.35	Telephone liné, bears parallel to pipe line.
1.01.	Center of trail road bears ESE, and WNW.

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. .T. 1 S., .R. 2 W., .F.M.

<ul> <li>Chains 10.00 10:00 10</li></ul>			
<ul> <li>20,001 Foint for the NN 1/16 sec. cor. of Sec. 14, at the intersection with the E. and W. 'centerline.' Set an iron post, 25 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass dep mkd.</li> <li>Site an iron post, 25 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass dep mkd.</li> <li>Site an iron post, 25 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. NN 1/16 Site ET.</li> <li>An aspen, 3 ins. in diam., bears N. 54°00' W., 0.32 chs. dist., mkd. NN 1/16 Site ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 63 fest over 3E. slope to base of slope.</li> <li>Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00</li> <li>Point for the C-N-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NN 1/256 Site.</li> <li>10,001 Point for the C-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Sourd same slough.</li> <li>15.001 Point for the C-S-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>N. bapk of a slough. 256 Site.</li> <li>Sourd Same slough.</li> <li>Sourd Same</li></ul>		Chains	
<ul> <li>the E. and W. Centerline.</li> <li>Set an iron post, 29 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass dep mkd.</li> <li>Sl4 <ul> <li>NW 1/16</li> <li>1951</li> </ul> </li> <li>from which <ul> <li>An aspen, 8 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. WW 1/16 Sl4 ST.</li> <li>An aspen, 9 ins. in diam., bears N. 54°00' W., 0.32 chs. dist., mkd. WW 1/16 Sl4 ST.</li> </ul> </li> <li>S. 0°01' W., beginning new measurement. <ul> <li>Descend 63 feet over 3E. slope to base of slope.</li> </ul> </li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NN 1/256 Sl4.</li> </ul> <li>10,001 Point for the C-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NN 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-WN 1/256 Sl4.</li> <li>13,200 N. bank of same slough.</li> <li>15,001 Point for the C-S-S-N 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-WN 1/256 Si4.</li> <li>20,002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-WN 1/256 Si4.</li> <li>20,002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. S9°59' W., on the E. and W. centerline of the Net of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-WN 1/256 Si4.</li> <li>20,003 The C-W 1/16 Sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-P-NW 1/256 Si4.</li> <li>20,003 The C-W 1/256 Si4.</li> <li>Dint for the C-B-NW 1/256 ins., 18 ins. in the ground, mkd. C-P-P-WN 1/256 Si4.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the gro</li>		10.00	Thence descend 75 feet over SE. slope to corner.
<ul> <li>ground, with the brass dep mkd.</li> <li>S14 NW 1/16</li> <li>1951</li> <li>from which <ul> <li>An aspen, 8 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. NV 1/16 S14 ET.</li> <li>An aspen, 9 ins. in diam., bears N. 54°00' W., 0.32 chs. dist., mkd. NV 1/16 S14 ET.</li> </ul> </li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 63 feet over 3E. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NV 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NV 1/265 S14.</li> <li>10,001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NV 1/265 S14.</li> <li>13.20 N. bank of a slough. 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/255 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59: W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level awampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-F-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-S-NW 1/256 S14.</li> </ul>		20.001	
<ul> <li>NW 1/16 </li> <li>1951 from which An aspen, 3 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. NW 1/16 S14 BT. An aspen, 9 ins. in diam., bears N. 54°00' N., 0.32 chs. dist., mkd. NW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Descend 63 feet over 3E. alope to base of alope. 4.50 Base of slope, bears NE. and SW. Thence over swampy land through stunted spruce timber. 5.00 Point for the C-N-S-NW 1/256 sec. oar. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14. 10,001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/46 S14. 15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-MW 1/256 S14. 15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-MW 1/256 S14. 15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-MW 1/256 S14. 20.002 The C-W 1/16 sec. cor. of Sec. 14. N. Bay<sup>S</sup> 59' W., on the E. and W. centerline of the NM¢ of Sec. 14. Over level swampy land through sthnted spruce timber. 5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-E-NW 1/256 S14. 10.006 Point for the C-E-NW 1/256 S14. 10.006 Point for the C-E-NW 1/256 S14. 10.006 Point for the C-E-NW 1/256 S14.<td></td><td></td><td></td></li></ul>			
<ul> <li>1951</li> <li>from which <ul> <li>An aspen, 8 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. NW 1/16 514 ET.</li> <li>An aspen, 9 ins. in diam., bears N. 5½°00' W., 0.32 chs. dist., mkd. NW 1/16 514 ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 65 feet over SE. slope to base of slope.</li> </ul> </li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-W 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-H-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>15.20 N. beak of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of as alough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/256 S14.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-S-HW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-S-HW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-S-HW 1/256 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 Sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223x36 ins., 18 ins. in the ground, mkd. C-S-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NN 1/256 S14.</li> <li>10.006 Point for the C-E-NN 1/256 S14.</li> </ul>	x		<b>S1</b> 4
<ul> <li>from which</li> <li>An aspen, 8 ins. in diam., bears S. 26°15' E., 0.435 cbs. dist., mkd. NW 1/16 S14 ET.</li> <li>An aspen, 9 ins. in diam., bears N. 54°00' W., 0.32 cbs. dist., mkd. NW 1/16 S14 ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 63 feet over 3E. slope to base of alope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NW 1/256 sec. car. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/265 S14.</li> <li>10,001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. back of a slough. 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 223256 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> </ul>			NW 1/16
<ul> <li>An aspen, 8 ins. in diam., bears S. 26°15' E., 0.435 chs. dist., mkd. NW 1/16 S14 ET.</li> <li>An aspen, 9 ins. in diam., bears N. 54°00' W., 0.32 chs. dist., mkd. NW 1/16 S14 ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 65 feet over 3E. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a, white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 39°59' W., on the E. and W. centerline of the NW‡ of Sec. 14.</li> <li>Over level swamp land through stinted spruce timber.</li> <li>5.003 Point for the C-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> </ul>			1951
<ul> <li>mkd. NW 1/16 S14 ET.</li> <li>An appen, 9 ins. in diam., bears N. 54°00' M., 0.32 chs. dist., mkd. NW 1/16 S14 ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 63 feet over SE. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/266 S14.</li> <li>13.20 N. bank of a slough. 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/265 S24.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/256 S24.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S24.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-R-R-NW 1/256 S44.</li> <li>10.006 Point for the C-R-NW 1/256 S44.</li> <li>10.006 Point for the C-R-NW 1/256 S14.</li> <li>10.006 Point for the C-R-NW 1/266 S14.</li> </ul>			from which
<ul> <li>mkd. NW 1/16 S12 ET.</li> <li>S. 0°01' W., beginning new measurement.</li> <li>Descend 63 feet over 3E. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E, and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>Sport the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWH of Sec. 14.</li> <li>Over level swampy land through stinted spruce timber.</li> <li>5.003 Point for the C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> </ul>		1	
<ul> <li>Descend 63 feet over SE. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the O-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> </ul>			An aspen, 9 ins. in diam., bears N. 54°00' W., 0.32 chs. dist., mkd. NW 1/16 S14 BT.
<ul> <li>Descend 63 feet over SE. slope to base of slope.</li> <li>4.50 Base of slope, bears NE. and SW.</li> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the O-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> <li>Point for the C-E-NW 1/256 sit.</li> </ul>			•
<ul> <li>4.50 Base of slope, bears NE. and SW. Thence over swampy land through stunted spruce timber.</li> <li>5.00 Point for the C-N-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10.001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The for the C-S-S-NW 1/256 sec. cor. of Sec. 14. N. 39°59! W., on the E. and W. centerline of the NW# of Sec. 14. Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> </ul>			S. 0°01' W., beginning new measurement.
<ul> <li>Thence over swampy land through stunted spruce timber.</li> <li>5.00 Foint for the C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Foint for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Foint for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Foint for the C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Double for the C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> </ul>	-	· · · ·	Descend 63 feet over SE. slope to base of slope.
<ul> <li>5.00 Foint for the C-N-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Foint for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Foint for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Foint for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Doint for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Doint for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> </ul>		4.50	Base of slope, bears NE. and SW.
<ul> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 Sec. cor. of Sec. 14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NN 1/64 sec. cor. of Sec. 14.</li> </ul>			Thence over swampy land through stunted spruce timber.
<ul> <li>mkd. C-N-S-NW 1/256 S14.</li> <li>10,001 Point for the C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		5.00	Point for the C-N-S-NW 1/256 sec. cor. of Sec. 14.
<ul> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S14.</li> <li>13.20 <ul> <li>N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00</li> <li>S. bank of same slough.</li> </ul> </li> <li>15.001 <ul> <li>Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> </ul> </li> <li>20.002 <ul> <li>The C-W 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> </ul> </li> <li>5.003 <ul> <li>Point for the C-E-E-NW 1/256 S14.</li> </ul> </li> <li>10.006 <ul> <li>Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-E-NW 1/256 sec. cor. of Sec. 14.</li> </ul> </li> </ul>	• -		
<ul> <li>mkd. C-S-NW 1/64 S14.</li> <li>13.20 N. bank of a slough, 4 feet high, bears E. and W.</li> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 Sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		10,001	Point for the C-S-NW 1/64 sec. cor. of Sec. 14.
<ul> <li>14.00 S. bank of same slough.</li> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			
<ul> <li>15.001 Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		, 13.20 :	N. bank of a slough, 4 feet high, bears E. and W.
<ul> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		14.00	S. bank of same slough.
<ul> <li>nkd. C-S-S-NW 1/256 S14.</li> <li>20.002 The C-W 1/16 sec. cor. of Sec. 14.</li> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 39°59' W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		15.001	Point for the C-S-S-NW 1/256 sec. cor. of Sec. 14.
<ul> <li>From the C-N 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., on the E. and W. centerline of the NW# of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins.</li> </ul>			
<ul> <li>N. 89°59: W., on the E. and W. centerline of the NWt of Sec. 14.</li> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, Set a white painted wood post, 2x3x36 ins., 18 ins.</li> </ul>		20,002	The C-W 1/16 sec. cor. of Sec. 14.
<ul> <li>Over level swampy land through stunted spruce timber.</li> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, set a white painted wood post, 2x3x36 ins., 18 ins.</li> </ul>			From the C-N 1/16 sec. cor. of Sec. 14.
<ul> <li>5.003 Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14.</li> <li>10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground,</li> </ul>	•		N. 89°59 W., on the E. and W. centerline of the NW+ of Sec. 14.
Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-NW 1/256 S14. 10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground,			Over level swampy land through stunted spruce timber.
mkd. C-E-E-NW 1/256 S14. 10.006 Point for the C-E-NW 1/64 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground,		5.003	Point for the C-E-E-NW 1/256 sec. cor. of Sec. 14.
Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground,	•	· .	
	·	10.006	Point for the C-E-NW 1/64 sec. cor. of Sec. 14.
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Chains 15.009 Foint for the C-W-E-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood fost, '2:3:35 ins., 18 ins. in the ground, mkd. C-W-E-NW 1/256 S14. 16.80 Base of alope; bears RE. and SW: Thence second 63 feet over SE. alope, through dense 2nd growth aspen, birch and scattered spince timber. 20.012 The NW 1/16 sec. cor. of Sec. 14. N. 89°59' W., beginning new measurement. Ascend 180 feet over SE. alope. 20.012 The N 1/16 sec. cor. of Secs. 14 and 15. SUBDIVISION OF THE SEM NWH OF SEC. 14 From the C-G-N 1/64 sec. cor. of Sec. 14. WEST, on the E. and M. centerline of the SEM of the NWM of Sec. 14. Over level swampy land, stunted spruce timber: 2.25 Enter a stand of larger size spruce. 5.003 Point for the C-E-SB-NW-1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SB-NW 1/256 S34. 7.50 Leave stand of apruce timber, bears NE, and SW. Enter swampy land. 10:006 Point for the SB-NW 1/64 sec. cor. of Sec. 14, st the intersection With N and S centerline. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SD-NW 1/64 S14. 15.009 Point for the C-W-SD-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SD-NW 1/64 S14. 15.001 Point for the C-M-SD-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SD-NW 1/64 S14. 20.012 The C-S-NW 1/64 sec. cor. of Sec. 14. From the C-B-W 1/64 sec. cor. of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEM NWM of Sec. 14. Over level swampy land, through acrub spruce. 5.00 Point for the C-S-SB-NW 1/256 sec. cor. of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEM NWM of Sec. 14. Dref level swampy land, through acrub spruce. 5.00 Point for the C-S-SB-NW 1/256 sec. cor. of Sec. 14. No monument set. 10.00 The SB-NW 1/64 sec. cor. of Sec. 14. 15.00 Point for the C-M-SB-NW 1/256 sec. cor. of Sec. 14. 15.00 Point for the C-M-SB-NW 1/256 sec. cor. of Sec.			To L So, and the Contract of the second seco
<ul> <li>Set a white paintéd vood post, '2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-NW 1/256 814.</li> <li>16.80 Base of alope; bears RE. and SW.</li> <li>Thence ascend 63 feet over SE. alope, through dense 2nd growth aspen, birch and scattered spruce timber.</li> <li>20.012 The NW 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., beginning new measurement.</li> <li>Ascend 180' feet over SE. alope.</li> <li>20.012 The NW 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBBUTISION OF THE SEM NWH OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SEt of the NWt of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>10,006 Point for the SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through sorub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through sorub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt o</li></ul>	0	hains	
<ul> <li>mkd. O-W-E-NN 1/256 S14.</li> <li>16.80 Base of slope; bears RE. and SW: Thence ascend 65 feet over SE. slope, through dense 2nd growth aspen, birch and scattered spruce timber.</li> <li>20.012 The NW 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., beginning new measurement. Ascend 180 feet over SE. slope.</li> <li>20,012 The N 1/16 sec. cor. of Secs. 14 and 15. SUBDIVISION OF THE SEt NML OF SEC. 14 From the C-S-N 1/64 sec. cor. of Sec. 14. WEST, on the E. and W. centerline of the SEt of the NWt of Sec. 14. Over level swempy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-B-SE-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce-timber, bears NE. and SW. Enter swempy land.</li> <li>10:006 Point for the SE-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce-timber, bears NE. and SW. Enter swempy land.</li> <li>10:006 Point for the SE-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/256 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. 'C-W-SE-NW 1/256 S14.</li> <li>20,012 The C-S-NW 1/24 sec. cor. of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14. N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14. Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14. No The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.00 Point</li></ul>		15.009	Point for the C-W-E-NW 1/256 sec. cor. of Sec. 14.
<ul> <li>Thence ascend 63 feet over SE. slope, through dense 2nd growth aspen, birch and scattered spruce timber.</li> <li>20.012 The NW 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., beginning new measurement.</li> <li>Ascend 180'feet over SE. slope.</li> <li>20.012 The N 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBDIVISION OF THE SEt Nut OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SEt of the NWt of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW-1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x30 ins., 13 ins. in the ground, mkd. C-E-EE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10,006 Point for the SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x30 ins., 13 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x30 ins., 13 ins. in the ground, mkd. C-M-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x30 ins., 13 ins. in the ground, mkd. C-M-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.000 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-NW 1/256 S14.
<ul> <li>birch and scattered spruce timber.</li> <li>20.012 The NW 1/16 sec. cor. of Sec. 14.</li> <li>N. 89°59' W., beginning new measurement.</li> <li>Ascend 180'feet over SE. slope.</li> <li>20.012 The N 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBDIVISION OF THE SEA Nutl OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SE4 of the Nutl of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce-timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point-for the SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. C-W-SE-WW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. C-W-SE-WW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 22,32% ins., 18 ins. in the ground, mkd. C-W-SE-WW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02! E., on the N. and S. centerline of the SE4 NW4 of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-G-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Sec. 14. No monument set.</li> <li>Sec. 14. No for the C-M-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> </ul>		16.80	Base of slope, bears NE. and SW.
<ul> <li>N. 89°59' W., beginning new measurement.</li> <li>Ascend 180'feet over SE, slope.</li> <li>20,012 The N 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBDIVISION OF THE SER NWH OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SER of the NWH of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW-1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE, and SW. Enter swampy land.</li> <li>10(006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-IW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. O-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Solut for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Solut for the C-B-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02! E., on the N. and S. centerline of the SEH NWH of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>Foint for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> </ul>			
<ul> <li>Ascend 180 'feet over SE. alope.</li> <li>20.012 The N 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBDIVISION OF THE SEP Null OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SEP of the Null of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>90int for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-B-E-EW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE, and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/256 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEP NWP of Sec. 14.</li> <li>Over level swampy land, through acrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		20.012	The NW 1/16 sec. cor. of Sec. 14.
<ul> <li>20.012 The N 1/16 sec. cor. of Secs. 14 and 15.</li> <li>SUBDIVISION OF THE SEA NWA OF SEC. 14.</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SEA of the NWA of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce-timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEA NWA of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> </ul>			N. 89°59' W., beginning new measurement.
<ul> <li>SUBDIVISION OF THE SET Nut OF SEC. 14</li> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SEt of the Nut of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber:</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 Sec. cor. of Sec. 14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 Sec. cor. of Sec. 14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E. on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Do The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> </ul>			Ascende180'feet over SE. slope.
<ul> <li>From the C-S-N 1/64 sec. cor. of Sec. 14.</li> <li>WEST, on the E. and W. centerline of the SE‡ of the NW‡ of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE‡ NW‡ of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> </ul>		20.012	The N 1/16 sec. cor. of Secs. 14 and 15.
<ul> <li>WEST, on the E. and W. centerline of the SE‡ of the NW‡ of Sec. 14.</li> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-3E-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood pest, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>20.012 The C-S-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02! E., on the N. and S. centerline of the SE‡ NW‡ of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			SUBDIVISION OF THE SET NWT OF SEC. 14
<ul> <li>Over level swampy land, stunted spruce timber.</li> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE NW<sup>1</sup>/<sub>2</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			From the C-S-N 1/64 sec. cor. of Sec. 14.
<ul> <li>2.25 Enter a stand of larger size spruce.</li> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE: and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEH NWH of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			WEST, on the E. and W. centerline of the SET of the NWT of Sec. 14.
<ul> <li>5.003 Point for the C-E-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 13 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			Over level swampy land, stunted spruce timber.
<ul> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy land.</li> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 Sec. cor. of Sec. 14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE1 NW2 of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		2.25	Enter a stand of larger size spruce.
<ul> <li>mkd. C-E-SE-NW 1/256 S14.</li> <li>7.50 Leave stand of spruce timber, bears NE. and SW. Enter swampy lend.</li> <li>10,006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>2</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>		5.003	Point for the C-E-SE-NW·1/256 sec. cor. of Sec. 14.
<ul> <li>10:006 Point for the SE-NW 1/64 sec. cor. of Sec. 14, at the intersection with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> </ul>			
<ul> <li>with N and S centerline.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEH NWH of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEH NWH of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>		7.50	Leave stand of spruce timber, bears NE. and SW. Enter swampy land.
<ul> <li>mkd. SE-NW 1/64 S14.</li> <li>15.009 Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.</li> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>2</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14.</li> </ul>	۲	10,006	
<ul> <li>Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-NN 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SEt NWt of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>			
<ul> <li>mkd. C-W-SE-NW 1/256 S14.</li> <li>20.012 The C-S-NW 1/64 sec. cor. of Sec. 14.</li> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>4</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>		15.009	Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 14.
<ul> <li>From the C-E-W 1/64 sec. cor. of Sec. 14.</li> <li>N. 0°02' E., on the N. and S. centerline of the SE<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>2</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>		••	
<ul> <li>N. 0°02' E., on the N. and S. centerline of the SE<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub> of Sec. 14.</li> <li>Over level swampy land, through scrub spruce.</li> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>		20.012	
Over level swampy land, through scrub spruce.5.00Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14.10.00The SE-NW 1/64 sec. cor. of Sec. 14.15.00Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.			From the C-E-W 1/64 sec. cor. of Sec. 14.
<ul> <li>5.00 Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.</li> <li>10.00 The SE-NW 1/64 sec. cor. of Sec. 14.</li> <li>15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.</li> </ul>			N. 0°02' E., on the N. and S. centerline of the SE $NW_4^2$ of Sec. 14.
10.00 The SE-NW 1/64 sec. cor. of Sec. 14. 15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.			Over level swampy land, through scrub spruce.
15.00 Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.		5.00	Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 14. No monument set.
		10.00	The SE-NW 1/64 sec. cor. of Sec. 14.
20.00 The C-E-NW 1/64 sec. cor. of Sec. 14.		15.00	Point for the C-N-SE-NW 1/256 sec. cor. of Sec. 14; no monument set.
		20.00	The C-E-NW 1/64 sec. cor. of Sec. 14



T. 1 S., R. 2 W., F.M.

	T. 1 S., R. 2 W., F.M.
Chains	SUBDIVISION OF THE SWH OF SEC. 14
	From the C-W 1/16 sec. cor. of Sec. 14.
τ.	S. 0°01' W., on the N. and S. centerline of the $SW_{\pm}^{1}$ of Sec. 14.
	Over level swampy land through scattered spruce.
5.00	Point for the C-N-N-SW 1/256 sec. cor. of Sec. 14.
<b>,</b> 0	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-N-SW 1/256 S14.
10.00	Point for the C-N-SW 1/64 sec. cor. of Sec. 14.
e (.	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-SW 1/64 S14.
15.00	Point for the C-S-N-SW 1/256 sec. cor. of Sec. 14.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-N-SW 1/256 S14.
18,50	NW. cor. of a clearing to the E.
	Thence along the W. edge of clearing.
20.00	Point for the SW 1/16 sec. cor. of Sec. 14, at the intersection with the E. and W. cepterline.
	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	<b>S1</b> 4
	SW 1/16 1951
	from which
•0-30 -	'A spruce, 6 ins. in diam., bears S. 23°30' W., 0.745 chs. dist., mkd. SW 1/16 S14 BT.
d• • •	A spruce, 5 ins. in diam., bears N. 83°30' W., 0.635 chs. dist., mkd. SW 1/16 S14 BT.
e•••	mkd. SW 1/16 S14 BT.
d• •	
e • •	mkd. SW 1/16 S14 BT.
2.00	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement.
	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing.
	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing. The SW. cor. of clearing to the E.
2.00	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing. The SW. cor. of clearing to the E. Thence through spruce and scattered birch timber.
2.00	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing. The SW. cor. of clearing to the E. Thence through spruce and scattered birch timber. The W 1/16 sec. cor. of secs. 14 and 23.
2.00	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing. The SW. cor. of clearing to the E. Thence through spruce and scattered birch timber. The W 1/16 sec. cor. of secs. 14 and 23. From the S 1/16 set. cor. of Sets. 14 and 15. S. 89°59' E., on the E. and W. centerline of the SW1 of Sec. 14.
2.00	mkd. SW 1/16 S14 BT. S. 0°01' W., beginning new measurement. Over level land; continue along W. edge of clearing. The SW. cor. of clearing to the E. Thence through spruce and scattered birch timber. The W 1/16 sec. cor. of secs. 14 and 23. From the S 1/16 sec. cor. of Secs. 14 and 15. S. 89°59' E., on the E. and W. centerline of the SW1 of Sec. 14. Over level land, through small size spruce, alder brush and scattered





۹T. 1 S., R. 2 W. F.M. Chains Over cleared level land. 5.002 Point for the C-W-E-SW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-SW 1/256 S14. Point for the C-E-SW 1/64 sec. cor. of Sec. 14. 10.005 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SW 1/64 S14. e .... 60 13.00 Leave clearing, bears N. and S. Enter a stand of spruce timber. Point for the C-E-E-SW 1/256 sec. cor. of Sec. 14. 15.007 Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-SW 1/256 S14. .C. • .... 16,90 Telephone line bears parallel to highway. 17.287 Centerline of a gravel highway, bears N.- 27°90' E., and S. 27°30' W. 19.55 Center of a trail road, bears NNE. and SSW. 2000 - 100 19.594 Point selected for the witness special meander cor. on the right bank Chena River, Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, mkd. G1 . . . 5 . . . WC S 14 SMC 1951 from which A cottonwood, 5 ins. in diam., bears N. 13°15' E., 0.28 chs. dist., mkd. S14 WC SMC BT. A spruce, 3 ins. in diam., bears S. 20°15' E., 0.13 chs. dist., mkd. X BT. 19,838 Right bank Chena River, 5 ft. high, bears N. 8° E., and S. 8° W., 1\_ 1 Intersect meanders of the right bank. True point for the special meander cor.; unsafe place for monument. Theoretical position for the C-S 1/16 sec. cor. of Sec. 14 falls 20.01 in the river. SUBDIVISION OF THE NET SWA OF SEC. 14 From the C-N-SW 1/64 sec. cor. of Sec. 14. EAST, on the E. and W. centerline of the NEt of the SWt of Sec. 14. Over level land, through spruce, seattered birch timber. 5.002 Point for the C-W-NE-SW 1/256 sec. cor. of Sec. 14. Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-NE-SW 1/256 S14. 10.005 Point for the NE-SW 1/64 sec. cor. of Sec. 14, at the intersection with N. and S. centerline.

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· T. 1 S., R. 2 W., F.M.

		IT L GE, RE 2 WE FING
	Chains	Set a white painted wood post, 2x3x36 ins. 18 ins. in the ground,
		mkd. NE-SW 1/64 S14:
	15.007	Point for the C-E-NE-SW 1/256 sec. cor. of Sec. 14.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground mkd. G-E-NE-SW 1/256 S14.
	-	From this- point the SE. cor. of a frame house 20x20 feet, bears N. 55°35' E., 1.74 chs. dist.
	20.01	The C-N-S 1/64 sec. cor. of Sec. 14.
		From the C-E-SW 1/64 sec. cor. of sec. 14
	- 12	N. 0°02' E., on the N. and S. centerline of the NET SW1 of Sec. 14.
		Over level cleared land.
	1.50	Level clearing. Enter timber, bears E. and W.
	5.00	Point for the C-S-NE-SW 1/256 sec. cor. of Sec. 14. No monument set.
	10.00	The NE-SW 1/64 sec. cor. of Sec. 14.
	15.00	Point for the C-N-NE-SW 1/256 sec. cor. of Sec. 14. No monument set.
	20,00	The C-E-W 1/64 sec. cor. of Sec. 14.
. <b>.</b>		SUBDIVISION OF THE SET OF SEC. 14
``		From the E 1/16 sec. cor. of secs. 14 and 23.
		NORTH, on the N. and S. centerline of the SEt of Sec. 14.
		Over level land along the center of a new road bed under construction.
	18,78	Road curves to the E.
	20.003	Point for SE 1/16 sec. cor. of Sec. 14, at the intersection with E. and W. centerline.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 27 ins. in the ground, with the brass cap mkd.
		S 14 SE 1/16
		SE 1/16 • 1951 • •
• 4		from which the second sec
		A spruce, 10 ins. in diam., bears N. 79°45' E., 3.185 chs. dist., mkd.SE 1/16 S14 BT.
		A spruce, 9 ins. in diam., bears S. 48°30' E., 1.705 chs. dist.,
		mkd. SE 1/16 S14 BT.
	•	NORTH, beginning new measurement.
		Over level land through scattered spruce and cottonwood, willow and alder brush.
	5.001	Point for the C-S-N-SE 1/256 sec. cor. of Sec. 14.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-N-SE 1/256 S14.

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		1. T. 1 S., R. 2 W., F.M
<u>-</u>	Chains	
	°10.002	Point for the C-N-SE 1/64 sec. cor. of Sec. 14.
		Set a white painted wood post, 2x3x36_ins., 18 ins. in the ground, mkd. C-N-SE 1/64 S14.
		From this point a buildozed trail bears E. and W.
	15.003	Point for the C-N-N-SE 1/256 sec. cor. of Sec. 14.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-N-SE 1/256 S14.
	16.502	Point selected for the witness special meander cor. on the left bank Chena River.
		Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		WC ····································
		SMC E
•	U	$\mathbf{s} = \mathbf{s} + $
		· An · · · · · · · · · · · · · · · · · ·
•		1951
		From which
		A cottonwood, 8 ins. in diam., bears S. 54°00' E., 0.85 chs. dist., mkd. S14 WC SMC BT.
	•	A cottonwood, 6 ins. in diam., bears S. 39°00' W., 1.24 chs. dist., mkd. SI4 WC SMC BT.
• •	19,366	Left bank Chena River 6 ft. high, bears N. 30° E., and S. 30° W.
		Intersect the meanders of the left bank.
•		True point for the special meander cor.; an unsafe place for monument.
	20.003	Theoretical position for the C-E 1/16 sec. cor. of Sec. 14 falls in the river.
		From the S 1/16 sec. cor. of Secs. 13 and 14.
		N. 89°59' W., on the E. and W. centerline of the SE of Sec. 14.
		Over level land, along the center of a new roadbed under construction.
• •	. 5,00	Point for the C-E-E-SE 1/256 sec. cor. of Sec. 14.
۰, •		Set a 40 penny spike, flush with surface
		A white painted wood post, 2x3x36 ins., 18 ins. in the ground,
		bears NORTH 50 feet dist., and mkd. C-E-E-SE 1/256 S14 RM.
	10.001	Point for the C-E-SE 1/64 sec. cor. of sec. 14.
		Set a 40 penny spike flush with surface
		from which
	۰. <u>-</u>	• • • .

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		T. 1. S., R. 2. W., F.M.
	Chains 、	A white painted wood post, 2x3x36 ins., 18 ins. in the ground, bears NORTH, 50 feet dist., and mkd. C-E-SE 1/64 S14 RM .
	15.001	Point for the C-W-E-SE 1/256 sec., cor. of Sec. 14
	• 6	Set a 40 penny spike, flush with surface
		from which
·		A white painted wood post, 2x3x36 ins., 18 ins. in the ground, bears NORTH 50 feet dist, and mkd. C-M-E-SE 1/256 S14 MML
	18,78	Road curves to the S.
	20,002	The SE 1/16 sec. cor. of Sec. 14.
	•	N. 89°59' W., beginning new measurement.
		Over level land through small spruce, birch timber, alder and willow
	5.00	Point for the C-E-W-SE 1/256 sec. cor. of Sec. 14.
-	<b>.</b>	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground mkd. C-E-W-SE 1/256 SL4.
-	10.001	Point selected for the witness special meander cor. on the left bank of the Chena River.
	• -	Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
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•	•	in the state of a SMC (14 state of the state
	<b>*</b>	1951 dig pits, 18x18x12 ins., E. 3 and 6 feet dist.
	12.119	Left bank Chena River, 6 ft, high, bears N. 28° E., and S. 28° W.
		Intersect the meanders of the left bank.
	Č.	True point for the special meander cor.; an unsafe place for monument.
	20.002	Theoretical position for the C-S 1/16 sec. cor. of Sec. 14 falls in the river.
		SUBDIVISION OF THE NET SET OF SEC. 14
*-		From the C-N-SE 1/64 sec. cor. of Sec. 14
		EAST, on the E. and W. centerline of the NB1 SE1, of Sec. 14.
	• <u>ب</u>	Over level land, along bulldozed trail.
		Point for the C-W-NE-SE 1/256 sec. cor. of Sec. 14.
c	с. <u> </u>	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground mkd. C-W-NE-SE 1/256 S14.
	7.50	Leave trail, bears BSE.
	9.997	Point for the NE-SE 1/64 sec. cor. of Sec. 14, at the intersection with the N. and S. centerline.

T. 1 S., R. 2 W., F.M.

1.01		T. I. S., R. 2 W., F.M.
Chai	.ns	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. NE-SE-1/64 S14.
14	•00	Center of a dry slough, 15 feet wide, 1 foot deep, bears NNE. and SSW.
14	•996	Set white painted wood post 2x 3x 36 ins. 18 ins. in ground, mkd.
19	•994	The N-S $1/64$ sec. cor. of Secs. 13 and 14.
	•	From the C-E-EE_1/64 sec. cor. of sec. 14
		N. 0°01' W., on the N. and S. centerline of the NET SET of Sec. 14.
	:	Over level land through spruce and birch timber.
5	.001	Point for the C-S-NE-SE 1/256 sec. cor. of Sec. 14. No monument set.
10	.002	The NE-SE 1/64 sec. cor. of Sec. 14.
15	.003	Point for the C-N-NE-SE 1/256 sec. cor. of Sec. 14; no monument set.
20	.004	The C-E-E 1/64 sec. cor. of Sec. 14.
		SUBDIVISION OF THE NWY SET OF SEC. 14
	2	From the C-N-S 1/64 sec. cor. of Sec. 14.
		EAST, on the E. and W. centerline of the NWH SEH of Sec. 14.
		Over level land through small size spruce.
2.	.08	Telephone line bears parallel to highway.
2.	•483	Centerline of a gravel highway, bears N. 27°30' E., and S. 27°30' W.
4.	.916	5 feet high, bears N. 30° E., and S. 30° W.
. 13	. 301	Intersect the meanders of the left bank of the Chena River, bank 5 feet high, bears N. 28° E., and S. 28° W.
14.	•996	Point for the C-E-NW-SE 1/256 sec. cor. of Sec. 14.
•	· · · ·	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-NW-SE 1/256 S14.
		Thence along a bulldozed trail.
19.	•994	The C-N-SE 1/64 sec. cor. of Sec. 14.
		GENERAL DESCRIPTION OF SECTION 14
	•	The land is level, with the exception of the northwesterly $\frac{1}{4}$ , which is moderately mountainous. The area extending outwardly 5 to 12 chs. from the base of the slope is swampy, with the underlying soil frozen to within 16 ins. of the surface. The bottom land soil is mostly a sandy loam, and the higher ground is of a micaceous clay
	:	nature. The area is covered by various sizes and stands of spruce, aspen, birch and cottonwood timber, with an undergrowth of willow and alder brush, blueberry bush, labrador tea and moss.
·o.		The Chena River and a gravel highway traverse the section south- westerly from the NE. corner of the section.
		<ul> <li>A state of the second seco</li></ul>



. T. 1 S., R. 2 W., F.M.

	T1 S., R2 W., F.M.			
	Chains	SUBDIVISION OF SECTION 13		
	· · ·	From the $\frac{1}{4}$ sec. cor. of Secs. 13 and 24.		
		N. 0°02' W., on the N. and S. centerline of Sec. 13		
	•	Over nearly level cleared land along the westerly side of the Fairbanks International Airport.		
	7.36.	Centerline of a gravel highway bears approximately N. 38°30' E., and S. 38°30' W.		
	10.43	Power line bears parallel to highway.		
•	13.30	Edge of a water filled gravel pit bears NNE. and SSW.		
1	16.00	Edge of same gravel pit bears NNE. and W.		
•	20.00	Center of a gravel side road, bears E. and W.		
	20.65	Thence across level bottom land through dense willow and alder brush, scattered small spruce and generally parallel to a trail road 40 lks. to the E.		
	25.50	SE. cor. of a clearing to the W.		
•	33.50	NE. cor. of same clearing to the W.		
	39.978	Point for the $G_{\overline{z}}^{1}$ sec. cor. of Sec. 13, at the intersection with E. and W. centerline.		
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.		
		$\frac{S13}{C\frac{2}{4}} = \frac{1}{2} \cdot \frac{1}{2}$		
	e			
		from which		
	· · · · · ·	A spruce, 4 ins. in diam., bears N. 24°15' E., 0.29 chs. dist. mkd. 64-S13 BT.		
		A spruce, 5 ins. in diam., bears S. 70°30' W., 0.385 chs. dist., mkd. 04 S13 BT.		
		N. 0°02' W., beginning new measurement.		
	5.004	Point for the C-S-S-N 1/256 sec. cor. of Sec.13.		
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-N 1/256 S13.		
	8,51	Point selected for the witness special meander cor. on the left bank of the Chena River.		
		Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, flush with the surface of the ground, with brass cap mkd.		
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· · Te .1 S., Re .2 W., F.M.

	Chains	· · Le·L Day Re·A Way Farla
	JUGTID	from which
		The most easterly cor. of a frame house, 20x28 feet, longway N. 75° W., bears S. 12°50' E., 0.51 chs. dist.
		The NE. cor. of a foundation of cabin, approximately 20 x 28 feet, longway WEST, bears S. 9°34' W., 5.58 chs. dist.
	ر به ا	The SE. cor. of a log cabin under construction, approximately 18x24 feet, longway N. 50° W., bears N. 68°28' W., 5.975 chs. dist.
	8.758	Left bank Chena River, 4 ft. high, bears ESE. and NW. Intersect the meanders of the left bank.
·		True point for the special meander cor.; an unsafe place for monument.
	16.314	Right bank Chena River, 4 ft. high, bears N. 63° W., and S. 63° E.
		True point for the special meander cor.; an unsafe place for monument.
ĸ	17.014	Point selected for the witness special meander cor. on the right bank of Chena River.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the
		ground with the brass cap mkd.
		0
		S  13
	•	C · · · · · · · ·
		WC
		1951
		dig pits, 18x18x12 ins. N. 3 and 6 feet dist.
		Thence through scattered cottonwood timber and dense small aspen, alder and willow undergrowth.
	20,017	Point for the C-N 1/16 sec. cor. of Sec. 13.
	* •	Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground with the brass cap mkd.
۰ ،	· •	<b>S1</b> 3
		C-N -+-
		1/16
		<b>1951</b>
	<b>e</b>	from which
	. · <u>-</u> .	A cottonwood, 12 ins. in diam., bears S. 3°45' E., 1.11 chs. dist., mkd. CN 1/16 S13 BT.
		A cottonwood, 10 ins. in diam., bears S. 88°00' W., 0.325 chs. dist., mkd. CN 1/16 S13 BT.
	22,00	Center of a slough 45 lks. wide, 3 feet deep, bears NE. and SW.
	25.021	Point for the C-S-N-N 1/256 Sec. cor. of Sec. 13.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-N-N 1/256 S 13.
	25.50	Enter a stand of spruce timber, bears E. and W.
	30.025	Point for the C-N-N 1/64 sec. cor. of Sec. 13.

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. T. 1 S. R. 2 W. F.M.

· · T. 1 S., R. 2 W., F.M.			
,	Chains	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-N 1/64 S13.	
	31.65	Center of a dry slough, 30 1ks. wide, 2 feet deep, bears NE. and SW.	
•	33.50	Leave spruce timber; 'enter 'old burn through dense small birch, aspen and willow.	
	35,029	Point for the C-N-N-N 1/256 sec. cor. of Sec. 13.	
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-N-N 1/256 S13.	
:	, 40.034	The $\frac{1}{4}$ sec. cor. of Secs. 12 and 13.	
	e '	Land, level. Soil, south $\frac{1}{2}$ gravel; north $\frac{1}{2}$ , sandy loam. Timber, spruce, birch, cottonwood, and aspen timber, with willow, alder and blueberry brush and thick moss.	
		From the $\frac{1}{4}$ sec. cor. of Secs. 13 and 18, on the east boundary of the township which is monumented with an iron post, $2\frac{1}{2}$ ins. in diam., firmly set, mkd. and witnessed as described in the field note record of the 1951 resurvey of a portion of the west boundary of T. 1 S., R. 1 W., F.M.	
		N. 89°54' W., on the E. and <u>W.</u> centerline of Sec. 13.	
		Over cleared level land.	
	9.02	Approximate centerline of paved highway bears N. 38°00' E., and S. 38°00' W.	
	9.87	Power line bears parallel to highway.	
د •	•	Thence through small timber.	
÷ •	11,50	Enter clearing, bears NW. and SE.	
	14.50	The intersection of trail roads, bears NNW., SW., and SE.	
	19.00	Leave clearing; enter dense small alder, willow, birch and spruce.	
	20,022	Point for the C-E 1/16 sec. cor. of Sec. 13.	
	ţ	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.	
		• • • • • • • • • • • • • • • • • • •	
		$\frac{+}{1/16}$	
		· · · · · · · · · · · · · · · · · · ·	
	* - *	from which	
		An aspen, 4 ins. in diam., bears N. 36°20' E., 0.545 chs. dist., mkd. CE 1/16 S13 ET.	
		A cottonwood; 4 ins. in diam., bears S. 47900' W., 0.525 chs. dist., mkd. CE 1/16 S13 BT.	
	39.55	Trail road, bears N. and S.	
	40.044	The $C_{4}^{1}$ sec. cor. of Sec. 13.	

T. 1	. S.,	R.	2 W.,	F.M.

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	,Chains	N. 89°54' W., beginning new measurement.		
	-	Over level land, through old burn with 2nd growth aspen, spruce, willow and alder brush.		
	2.30	Center of a dry slough 35 lks. wide, 3 feet deep, bears NE. and SW.		
	5.001	Point for the C-E-E-W 1/256 sec. cor. of Sec. 13.		
i	e	Set a white painted wood post, 2x3x35 ins., 18 ins. in the ground, mkd. C-E-E-W 1/256 S13.		
	10.002	Point for the C-E-W 1/64 sec. cor. of Sec. 13.		
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-W 1/64 S13.		
	15.003	Point for the C-W-E-W 1/256 sec. cor. of Sec. 13.		
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-E-W 1/256 S13.		
	20,004	Point for the C-W 1/16 sec. cor. of Sec. 13		
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.		
		S13 C-W		
		1/16		
		1951		
		from which		
		An aspen, 3 ins. in diam., bears S. 61°30' E., 0.87 chs. dist., mkd. X BT.		
		A spruce, 7 ins. in diam., bears N. 22°15' W., 1.715 chs. dist., mkd. CW 1/16 S13 BT.		
	. 34.00	Center of a dry slough, 30 lks. wide, 4 ft. deep, bears NE. and SW.		
	40.008	The $\frac{1}{4}$ sec. cor. of Secs. 13 and 14.		
		Land, level. Soil, sandy loam. Timber, 2nd growth spruce, birch, aspen, willow and alder, with undergrowth of blueberry bush, labrador tea and moss.		
		SUBDIVISION OF THE NWY OF SEC. 13		
		From the C-W 1/16 sec. cor. of Sec. 13.		
		N. 0°02' W., on the N. and S. centerline of the $NW_4^1$ of Sec. 13.		
<b>.</b> •	-	Over level land, through 2nd growth spruce, aspen, birch, with willow and alder brush.		
	. 5.00 .	Roint for the C-S-S-NW 1/256 sec. cor. of Sec. 13.		
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-S-NW 1/256 S13.		
	9.999	Point for the C-S-NW 1/64 sec. cor. of Sec. 13.		
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-NW 1/64 S13.		
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		· · T. · 1 S., R. · 2 W., F.M.
	Chains	
	14.65	Center of a slough, 20 lks. wide, 5 feet deep, bears ENE. and WSW.
		Thence enter spruce and cottonwood timber.
	14.999	Point for the C-N-S-NW 1/256 sec. cor. of Sec. 13.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-S-NW 1/256 S13.
	18,30	Center of a slough, 18 lks. wide, 4 feet deep, bears E. and W.
	19,998	Point for the NW 1/16 sec. cor. of Sec. 13, at the intersection with the E. and W. centerline.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
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( )		· · · · · · · · · · · · · · · · · · ·
		from which
		A cottonwood, 5 ins. in diam., bears N. 53°00' E., 0.42 chs. dist., mkd. NW 1/16.813 BT.
		A cottonwood, 6 ins. in diam., bears S. 15°00' W., 0.195 chs. dist., mkd. NW 1/16 S13 BT.
		NW. cor. of a frame house, 18x14 feet, longway S. 20° E., bears N. 70°30'.E., 1.21.chsdist.
	••	NE. cor. of a log cabin, 24x12 feet, longway S. 60° W., bears S. 62°10' E., 9.39 chs. dist.
		N. 0°02' W., beginning new measurement.
	0.786	Point selected for the special witness meander cor. on the left bank Chena River.
		Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		. WC
		SMC La state de la s
		$\mathbf{J}_{\mathbf{I}} = \mathbf{J}_{\mathbf{I}} = $
	_ •	,, , , , , , , , , , , , , , , , , , ,
		1951
		dig pits, 18x18x12 ins., S. 3 and 6 feet dist.
	0.874	Left bank Chena River, 5 ft. high, bears S. $70^{\circ}$ E., and N. $70^{\circ}$ W.
		Intersect the meanders of the left bank.
	·-	True point for the special meander cor. on the left bank of the Chena River.
	7.729	Right bank Chena River, 5 ft. high, bears S. 77° E., and N. 77° W.
	-	Intersect the meanders of the right bank.
		True point for the special meander cor. on the right bank of the Chena River.

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i _	T, 1 S., R, 2 W., F.M.
Chains	
• 8,998	Point selected for the witness special meander cor. on the right bank Chena River.
	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
¢	s_13
	WC SMC
	· 1951 · · ·
	from which
	A spruce, 9 ins. in diam., bears N. 88°45' W., 0.44 chs. dist., mkd. Sl3 WC SMC BT.
	A spruce, 6 ins. in diam., bears N. 0°15' W., 0.65 chs. dist., mkd. S13 WC SMC BT.
14.999	Point for the C-N-N-NW 1/256 sec. cor. of Sec. 13.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-N-NW 1/256 S13.
19.998	The W 1/16 sec. cor. of Secs. 12 and 13.
٠ •	From the N 1/16 sec. cor. of Secs. 13 and 14.
<i>ر</i> -	S. $89^{\circ}57^{\circ}$ E., on the E. and W. centerline of the NW <sup>1</sup> / <sub>4</sub> of Sec. 13.
	Over level land, through spruce and scattered cottonwood timber with alder and willow brush.
20.002	The NW 1/16 sec. cor. of Sec. 13.
	S. 89°57' E., beginning new measurement.
2.043	Left bank Chena River bears ESE and WNW.
	Intersect the meanders of the left bank.
	True point for the special meander cor. This point was not monumented due to its proximity to the NW 1/16 sec. cor. monument and improve- ments, plots cleared for cultivation and driveways.
14.044	Right bank Chena River, 5 feet high, bears S. 63° E., and N. 63° W.
	Intersect the meanders of the right bank
	True point for the special meander cor. on the right bank of the Chena River. Unsafe place for corner monument.
14.999	Point selected for the witness special meander cor. on the right bank of Chena River.
	Set an iron pest, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
+ ·	WC S N N
	SMC 13
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Chains	T 1 S R 2 W
	dig pits, 18x18x12 ins., E. 3 and 6 feet dist.
20.002	The C-N 1/16 seccor.of Sec13.
●'u = -	SUBDIVISION OF THE NWE OF SEC. 13
•	From the W-W 1/64 sec. cor. of Sec. 13. and 12.
•	S. 0°02' E., on the N. and S. centerline of the $NW_{\pm}^{1}$ NW_{\pm}^{1} of Sec. 13.
	Over level land, through small timber.
4.997	Point for the C-N-NW-NW 1/256 sec. cor. of Sec. 13.
• •	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-NW-NW 1/256 S13.
10.273	Intersect the meanders of the right bank of the Chena River, bank 5 feet high bears S. 84° E., and N. 84° W.
	From this point the calculated point for the C-W-NW 1/64 sec. cor. of Sec.13 bears S. 0°02' E., 9.716 chs. dist.
	SUBDIVISION OF THE SEL NW OF SEC. 13
	From the C-E-W 1/64 sec. cor. of Sec. 13.
	N. 0°02' W., on the N. and S. centerline of the SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> of Sec. 13
	Over level land, through old burn, dense small spruce and scattere birch timber.
5.002	Point for the C-S-SE-NW 1/256 sec. cor. of Sec. 13.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-SE-NW 1/256 S13.
10.004	Point for the SE-NW 1/64 sec. cor. of Sec. 13, at the intersection with E. and W. centerline.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. SE-NW 1/64 S13.
15.468	Intersect the meanders of the left bank of the Chena River bank 5 feet high, bears S. $62^{\circ}$ E., and N. $62^{\circ}$ W.
20.007	Theoretical position for the C-E-NW 1/64 sec. cor. of Sec. 13 fall in the river.
· . •·	From the C-S-NW 1/64 sec. cor. of Sec. 13.
	S. 89°54' E., on the E. and W. centerline of the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 1
•	Over level land through small spruce.
5.001	Point for the C-W-SE-NW 1/256 sec. cor. of Sec. 13; no monument se
10,002	The SE-NW 1/64 sec. cor. of Sec. 13.
15.003	Point for the C-E-SE-NW 1/256 sec. cor. of sec. 13; no monument se
17.409	Intersect the meanders of the left bank of the Chena River. Cut bank 8 feet high bears S. 62° E., and N. 62° W.

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Chains	T. 1 S., R. 2 W., F.M.
	SUBDIVISION OF THE NET OF SEC. 13
	From the C-E 1/16 sec. cor. of Sec. 13.
	N. O'Ol! W., on the N. and S. centerline of the NET of Sec. 13.
0.60	Enter clearing, bears E. and NW.; thence along the westerly side of clearing.
6.20	Present left bank of the Chena River, bank 5, feet high, bears ENE. and WSW.
8.03-	Calculated intersection with the original meanders of the left bank of the Chena Rivero
,14.⊽28	Right.bank Chena River, 3 ft. high, bears N. 35° E., and S. 80° W.
	Intersect the meanders of the right bank.
	True point for the special meander cor.
- 14 - 975	Point selected for the witness special meander cor. on the right bank Chena River.
	Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	• 6 • <b>3</b> • • • • • • • • •
	<b>s</b> . <b>1</b> 3.
:	WC .
	SMC 1951
e	dig pits, 18x18x12 ins. N. 3 and 6 feet dist.
20.008	Point for the NE 1/16 sec. cor. of Sec. 13, at the intersection with the E. and W. centerline.
e <sup>11</sup> 6-	Set an iron post, 2 <sup>1</sup> / <sub>2</sub> ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
	S 13
	• • • • • • • • • • • • • • • • • • •
· · ·	• <b>1951</b> • • • • • • • • • • • • • • • • • • •
	from which
	A cottonwood, 14 ins. in diam., bears S. 34° 001 W., 1.025 chs. dist., mkd. NE 1/16 S13 BT.
	A cottonwood, 12 ins. in diam., bears N. 21°30' W., 0.505 chs. dist., mkd. NE 1/16 S13 BT.
•	N. 0°01' W., beginning new measurement.
	Over level land, through cottonwood and scattered spruce timber.
5.007	Point for the C-S-N-NE 1/256 sec. cor. of Sec. 13; no monument set.
10.014	Point for the C-N-NE 1/64 sec. cor. of sec. 13.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-NE 1/64 S13.

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	Chains	
ર	15.021	Point for the C-N-N-NE 1/256 sec. cor. of Sec. 13; no monument set.
	20.027	The true point for the E 1/16 sec. cor. of Secs. 12 and 13.
		From the C-N 1/16 sec. cor. of Sec. 13.
		S. 89°53' E., on the E. and W. centerline of the NET of sec. 13.
		Over level land; through dense willow and alder brush and scattered cottonwood timber.
••••	5.006	Point for the C-W-W-NE 1/256 sec. cor. of Sec. 13.
	· · · •	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-W-NE 1/256 S13.
	10.012	Point for the C-W-NE 1/64 sec. cor. of Sec. 13.
		Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-NE 1/64 S13.
	15.018	Point for the C-E-W-NE 1/256 sec. cor. of Sec. 13.
	e X	Set a white painted wood pest, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-W-NE 1/256 S13.
	20.024	The NE 1/16 sec. cor. of sec. 13.
	<b>ر</b> .	S. 89°53' E., beginning new measurement.
		Over level land, through cottonwood timber.
:	2.668	Point selected for the witness special meander cor. on the right bank Chena River.
•	. <b>_</b> •	Set an iron post, $2\frac{1}{2}$ ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
		• S WC & S = S = S = S
•		$\frac{N-13}{13} = \frac{N}{SMC}$
		· · · 1951 · - · · ·
		fröm which
		A willow, 6 ins. in diam., bears N. 72°00' W., 0.145 chs. dist., mkd. S13 WC SMC BT.
		A willow, 5 ins. in diam., bears N. 20°45' W., 0.285 chs. dist., mkd. S13 WC SMC BT.
	3.764	Right bank Chena River, 4 ft. high, bears N. 3° W., and S. 3° W.
		Intersect meanders of right bank.
		True point for the special meander cor.
	8.898	Intersect the meanders of the left bank of the Chena River; bank 5 feet high bears N. and S.
	9.60	Trail road bears N. and S
·	• •	Thence over cleared land.
	12.00	Enter dense willow and alder brush, scattered small spruce.
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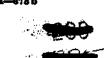
T. 1 S. , R. 2 W., F.M.			
	Chains		
	.20.024	The N 1/16 sec. cor. of Secs. 13 and 18 on the East boundary of the township, which is monumented with an iron post, 2½ ins. in diam., firmly set, mkd. and witnessed as described in the field note record of the 1951 resurvey of a portion of the West boundary of T. 1 S., R. 1 W., F.M.	
	• .20 •	SUBDIVISION OF THE NWE NEED OF SECTION 13	
		From the C-N-N 1/64 sec. cor. of Sec. 13,	
		S. 89°54' E., on the E. and W. centerline of the NWH NET of Sec. 13.	
	و ا	Over level land through scattered stands of spruce and cottonwood timber, with alder and willow undergrowth.	
	5.006	Point for the C-W-NW-NE 1/256 sec. cor. of Sec. 13.	
	t -	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-NW-NE 1/256 8 13.	
	10.012	Point for the NW-NE 1/64 sec. cor. of Sec. 13, at the intersection with the N. and S. centerline.	
	۹	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. NW-NE 1/64 S13.	
	15.019	Point for the C-E-NW-NE 1/256 sec. cor. of Sec. 13.	
-		Set a white painted wood post, 2x3x36 ins. 18 ins. in the ground, mkd. C-E-NW-NE 1/256 S13.	
	20.026	The C-N-NE 1/64 sec. cor. of Sec. 13.	
		Sec. From the W-E 1/64/cor. of Secs. 12 and 13.	
		S. 0°01' E., on the N. and S. centerline of the NW NET of Sec. 13.	
		Over level land, through spruce and cottonwood timber.	
	5.006	Point for the C-N-NW-NE 1/256 sec. cor. of Sec. 13; no monument set.	
	10.012	The NW-NE 1/64 sec. cor. of Sec. 13.	
	15.018	Point for the C-S-NW-NE 1/256 sec. cor. of Sec. 13; no monument set.	
۰ •	20.024	The C-W-NE 1/64 sec. cor. of Sec. 13.	
₹•	•	SUBDIVISION OF THE SWE NEE. SEC. 13	
		From the C-W-NE 1/64 sec. cor. of Sec. 13.	
	• 、•	S. 0°01' E., on the N. and S. centerline of the SWH NEH of Sec. 13.	
	6.704	Intersect the meanders of the right bank of the Chena River; sloping bank 2 to 4 feet high bears S. 85° E., and N. 85° W.	
		SUBDIVISION OF. THE NET NET SEC. 13	
		From C-N-NE 1/64 sec. cor. of Sec. 13.	
		S. 89°53' E., on the E-W centerline of the NET NET of Sec. 13.	
	1.50 ·	Point for the Witness Special Meander Cor. on right bank of Chena river.	

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Chains	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. WC SMC S13.
2 <b>.99</b> 4	Intersect the meanders of the right bank of the Chena River; cut bank bears S. 15° E., and N. 15° W.
	GENERAL DESCRIPTION
	The land embraced in this section is level. The soil in the $N\frac{1}{2}$ is mostly a sandy loam, covered by spruce, cottonwood, birch and aspen timber with an undergrowth of willow, alder brush, blueberry bush and a thick moss. The majority of the area in the S. $\frac{1}{2}$ has been cleared. The soil is mostly sand and-gravel.
	The Chena River traverses the northerly half of the section. A paved highway crosses the SEt bordering the Fairbanks International Airport which occupies a portion of that quarter of the section.
с.;	SUBDIVISION OF THE SET OF SECTION 12
	From the S 1/16 sec. cor. of Secs. 7 and 12 on the E. boundary of the township which is monumented with an iron post, $2\frac{1}{2}$ ins. in diam., firmly set, mkd. and witnessed as described in the field note record of the 1951 resurvey of a portion of the W. boundary of T. 1 S., R. 1 W., F.M.
2	N. 89°54' W., on the mean calculated bearing and distance of the EW. centerline of the SE‡ of Sec. 12, based upon the E. $\frac{1}{2}$ mile of the South and $E\frac{1}{2}$ mile of the North boundary of Section 12.
	Over level bottom land, through cottonwood, birch and alder with scattered spruce timber.
÷• 5•007	Point for the C-E-E-SE 1/256 sec. cor. of Sec. 12.
۲• •	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-E-SE 1/256 S12.
5.10	E. bank of a dry slough, 4 feet high, bears NNE. and SSW.
7.00	W. bank of the same slough.
. 10.014 .	Point for the C-E-SE 1/64 sec. cor. of Sec. 12.
	Set.an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
<b>e 1 1 1</b>	S 12
	C-E-SE 1/64 -
	1951
<b>e</b> e	from which
	A cottonwood, 14 ins. in diam., bears N. 61°15' E., 0.27 chs. dist., mkd. C-E-SE 1/64 S12 BT.
	A cottonwood, 16 ins. in diam., bears S. 62°00" E., 0.31 chs. dist., mkd. C-E-SE 1/64 S12 BT.
13.15	Point selected for the witness special meander cor. on the left bank Chena River.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. WC S MC S12.



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<b>Chains</b> 14.667	Left bank Chena River, 3 feet high, bears N. 48° E., and S. 58° W.
	Intersect meanders of left bank.
	True point for the special meander cor.
	From the C-E-SE 1/64 sec. cor. of Sec. 12.
	SOUTH, on the N. and S. centerline of the SEL SEL of Sec. 12.
	Over level land, through spruce and cottonwood timber.
4.996	Point for the C-N-SE-SE 1/256 sec. cor. of Sec. 12.
•	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-N-SE-SE 1/256 S12.
7.45	W. bank of a slough, 5 feet high, bears NNE. and SSW.
9.00	E. bank of the same slough.
9.992	Point for the SE-SE 1/64 sec. cor. of Sec. 12, at the intersection with E. and W. centerline.
	Set an iron post, 22 ins. in diam., 28 ins. long, 25 ins. in the ground, with the brass cap mkd.
<b>. .</b>	S 12 SE-SE 1/64
	1951
	from which
	An alder, 4 ins. in diam., bears N. 18°45' E., 0.495 chs. dist., mkd. SE SE 1/64 S12 BT.
	A willow, 5 ins. in diam., bears S. 5°30' E., 0.525 chs. dist., mkd. SE SE 1/64 S12 BT.
	SOUTH, beginning new measurement.
4.50	Center of a slough, 45 lks. wide, 4 feet deep, bears NNE. and SSW.
4.985	Point'for the C-S-SE+SE 1/256.sec. cor. of Sec. 12.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-S-SE-SE 1/256 S12.
9.97	The E-E 1/64 sec. cor. of Secs. 12 and 13.
	From the S-S 1/64 sec. cor. of Secs. 12 and 7, on the E. boundary of the township, which is a white painted wood post, as set,mkd., and described in the field note record of the 1951 resurvey of a portion of the W. boundary of T. 1 S., R. 1 W., F.M.
	N. 89°53: N., on the mean calculated bearing and distance of the E. and W. centerline of the SEt SEt of Sec. 12.
	Over level land, through spruce and cottonwood timber.
5.005	Point for the C-E-SE-SE 1/256 sec. cor. of Sec. 12.
	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd. C-E-SE-SE 1/256 S12.



· · T. · 1 S. . R. . 2 W. . F.M.

	- T1 S., R2 W., F.M.
<b>Chains</b> 10.010	The SE-SE 1/64 sec. cor. of Sec. 12.
	N. 89°53' W., beginning new measurement.
r 00(	Point for the C-W-SE-SE 1/256 sec. cor. of Sec. 12.
5.006	
	Set a wood post painted white, 2x3x36 ins., 18 ins. in the ground, mkd. C-W-SE-SE 1/256 S12.
7.689	Point selected for the witness special meander cor. on the left bank Chena River.
··· .	Set a white painted wood post, 2x3x36 ins., 18 ins. in the ground, mkd, WC SMC S12.
9,118	Left bank Chena River, 3 ft. high, bears S. 20° E., and N. 20° W.
	Intersect meanders of left bank.
	True point for the special meander cor.
	IMPROVEMENTS IN SECTION 12
• • • •	From the corner of Sections 7, 12, 13 and 18 on the E. boundary of the township
	The NE. cor. of a tent covered frame bears N. 58°30' W., 1.71 chs. dist.
	- The SW. cor. of a partially completed foundation of a house, approximately 28x20 ft., longway E., bears N. 51°10' W., 2.40 chs. dist.
	GENERAL DESCRIPTION OF PORTION OF SEC. 12
	The land is level, the soil mostly a sandy loam, and timbered with heavy stands of spruce, cottonwood and birch; undergrowth of alder and willow brush.
<ul> <li>€ 1.1</li> <li>e 1.1</li> <li< th=""><th>MEANDERS OF THE LEFT BANK OF THE CHENA RIVER IN SECTION 12. T. 1 S. R. 2 W. F.M.</th></li<></ul>	MEANDERS OF THE LEFT BANK OF THE CHENA RIVER IN SECTION 12. T. 1 S. R. 2 W. F.M.
	From the meander cor. of Secs. 7 and 12 on the E. boundary of the township, which is monumented with an iron post, 2 ins. in diam., firmly set, mkd. and witnessed as described in the field note record of the 1951 resurvey of a portion of the W. boundary of T. 1 S., R. 1 W., F.M.
•	Thence downstream along the left bank of the Chena River following along a sloping bank 3 to 5 feet high, through scattered cottonwood and spruce timber with a dense willow undergrowth.
	S. 73°051 W., 5.505 chs.
	S. 55°30' W., 5.78 chs.
	S. 47°45' W., 6.244 chs. True point for the special meander cor. on the E. and W. centerline of
•	the SE <sup>1</sup> of Sec. 12. S. 57°40' W. 3.305 chs.
• • •	S. 37°30 <sup>†</sup> W. 2.81 chs.
	S. 16°30' W. 1.72 chs.
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T. 1 S., R. 2 N., F.M.

	T, 1 S.,	R. 2 N., F.M.
Chains	S.7°00' E. 4.368 ch	<b>ns.</b>
	S. 32°15' E. 2.745 ch	••••••••••••••••••••••••••••••••••••••
	S. 19°30' E. • 6.86 chs	9.
	S. 9°30 * E. • 1.205 ch	ns. True point for the meander cor. of
٠		fraction: Sec. 12.
		RIGHT BANK OF THE CHENA RIVER RTION OF SECTION 13
	• • • • •	
		ne meander cor. of Secs. 12 and 13, on the
	Downstream along the right	t bank of the Chena River, following along igh, through spruce and cottonwood timber lergrowth.
	S. 13°00' E. 6.50 chs	B
	S. 15°00' E., 5.00 chs	At 3.81 chs., true point for the
:	e e e company de la comp	special meander cor. on the E-W center- line of the NET NET of Sec. 13.
	, S, 3°00' E. 8.887 ch	is. True point for the special meander cor. on the E-W centerline of the NET of Sec. 13.
• • •	S. 35°30 W. 6.474 ch	NET of Sec. 13; thence along sloping
	S. 80°50' W. 9.51 chs	bank 3 to 5 feet high.
	N. 80,001 W. 5.90 chs	
	N. 68°00' W. 3.50 chs	t
-	N. 63°00 W. 1.758 ch	ns. True point for the special meander cor. on the N-S centerline of Sec. 13.
• • •		and point on the record meander line.
, · ·		RIGHT BANK OF THE CHENA RIVER FION OF SECTION 14
1	· · · · ·	
	From the true point for the line of the NET of Sec. 14	e special meander cor. on the E-W center- and on the right bank of the Chena River.
		e right bank of the Chena River, following 5 feet high, through dense willow and
	S. 35°00' W. 6.678 chs	<b>5.</b>
	S. 34°00: W. 9.10 chs.	. At 1.927 chs., the true point for the special meander cor. on the NS.
	S. 37°59' W. 8.844 cha	centerline of the NET of Sec. 14.
		cor. on the E-W centerline of Sec.14.
	S. 29°15' W. 21.523 chs	s. True point for the special meander cor. on the N-S centerline of Sec. 14



- 49 -

T. 1 S., R.2 W., F.M.

Chains Ξ. True point for the special meander 8.8°00 W. 1.233 chs. cor. on the E-W centerline of the SW1 of Sec. 14, and point on the original meanders of the right bank of Chena River. MEANDERS OF THE LEFT BANK OF THE CHENA RIVER IN THE NW SET OF SECTION 23 From the true point for the special meander cor. on the E-W centerline of Sec. 23 and on the left bank of the Chena River. Thence downstream along the left bank of the Chena River following a cut bank 6 feet high, through spruce, birch and aspen timber. S. 28°30' W. 5.50 chs. S. 52°00' W. 5.00 chs. S. 66°50' W. 6.387 chs. True point for the special meander cor. on the N. and S. centerline of section 23. CENTERLINE TRAVERSE OF THE HIGHWAY THROUGH SECTION 14 From the point of intersection of the South boundary of Sec. 14 with the center line of the highway, from which the W 1/16 sec. cor. of Secs. 14 and 23 bears N. 89°59' W., 6.856 chs. dist. N N. 27°30' E. 22.548 Intersect the E-W centerline of the SW1 of Sec. 14. Intersect the N-S centerline of Sec. 14. 28.445 Intersect the E-W centerline of the NW SE4 of Sec. 14. 33.822 45.096 Intersect the E-W centerline of Sec. 14. Intersect the N-S centerline of the SW1 NE1 of Sec. 14. 50.077 Intersect the E-W centerline of the SW NET of Sec. 14. 56.364 Intersect the E-W centerline of the NET of Sec. 14. 67.632 N. 18°37' E. 2.394 chs. N. 27°27' E. Intersect the line between secs. 11 and 19.95 chs. 14 at a point from which the E 1/16 sec. cor. bears N. 89°58' W., 8.028 chs. dist.



**4-680** (Feb., 1950)

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## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NAMES		CAP	ACITY		
ITAMEAS					
Rudolpn S. Egge	Carto	Cartosraphic Survey Aid			
Justin R. Postle	Surve	Surveying and Cartographic Aid			
Elbert A. Iloyd		) <b>i</b> f	ti		
John Hegsten			17		
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		-*********	<b></b>		
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## ۲ FIELD ASSISTANTS

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16-68566-2

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# 128 CERTIFICATE OF CADASTRAL ENGINEER

	, HEREBY CERTIFY upon honor that, in
	e of the27th day ofApril,34
	rvey, The Subdivision of Sections 12, 13, 14 and
23, and a portion of the Meanders o	f the Chena River, in Township 1 South,
· 、·	
	ate of, which are
represented in the foregoing field notes as hav	ing been executed by me and under my direction; and that
said survey has been made in strict conformit	y with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United Sta	tes, and in the specific manner described in the foregoing
field notes.	~
Juneau, Alaska	Leona & Joland
December 18, 1952	floyd E. Toland Cadastral Engineer
CERTIFIC	ATE OF APPROVAL
	BUREAU OF LAND MANAGEMENT,
	Washington, D. C., MAY 4 1953, 19
The foregoing field notes of the survey of	The Dependent Resurvey, the Subdivision of
Sections 12, 13, 14 and 29, and A P	ortion of the Meanders of the Chena River
	ortion of the Meanders of the Chena River Fairbanks Meridian
in Township 1 South, Range 2 West,	
in Township 1 South, Range 2 West,	Fairbanks Meridian
in Township 1 South, Range 2 West,	Fairbanks Meridian
in Township 1 South, Range 2 West, executed byLloyd E. Toland, Cad	Fairbanks Meridian
in Township 1 South, Range 2 West, executed byLloyd E. Toland, Cad	Fairbanks Meridian
in Township 1 South, Range 2 West, executed byLloyd E. Toland, Cad	Fairbanks Meridian astral Engineer crect, are hereby approved.
in Township 1 South, Range 2 West, executed byLloyd E. Toland, Cad having been critically examined and found con	Fairbanks Meridian astral Engineer crect, are hereby approved.
in Township 1 South, Range 2 West, executed by Lloyd E. Toland, Gad having been critically examined and found con CERTIFICA	Fairbanks Meridian astral Engineer rrect, are hereby approved. Assistant Chief, Division of Cadastral Engineering. TE OF TRANSCRIPT
in Township 1 South, Range 2 West, executed by Lloyd E. Toland, Cad having been critically examined and found con CERTIFICA	Fairbanks Meridian astral Engineer crect, are hereby approved. Assistant Chief, Division of Cadastral Engineering. TE OF TRANSCRIPT the field notes of the above-described surveys in Tx. 1. S.,
in Township 1 South, Range 2 West, executed by Lloyd E. Toland, Gad having been critically examined and found con CERTIFICA	Fairbanks Meridian astral Engineer crect, are hereby approved. Assistant Chief, Division of Cadastral Engineering. TE OF TRANSCRIPT the field notes of the above-described surveys in Tx 1 S.,
in Township 1 South, Mange 2 West, executed by Lloyd E. Toland, Gad having been critically examined and found con CERTIFICA	Fairbanks Meridian astral Engineer crect, are hereby approved. Assistant Chief, Division of Cadastral Engineering. TE OF TRANSCRIPT the field notes of the above-described surveys in Tx 1 S.,

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8. 8. OVERNMENT PRIMTING OFFICE 16-63565-2

Form 4-679 (January 1963)

Supplemental

included under Group Number

and assignment instructions dated <u>NOVEMBER 8</u>

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RIGINAL

ORIGINAL

FIELD NOTES 0F

THE SURVEY OF PIKES ISLAND

IN THE CHENA RIVER

AN OMITTED ISLAND IN SECTION 12 . .

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TOWNSHIP I SOUTH RANGE 2 WEST

Of the ..... FAIRBANKS \_\_Meridian. ALASKA In the State of \_

#### EXECUTED BY

WILLIAM D. NELSON, SUPERVISORY CADASTRAL SURVEYOR

Survey commenced <u>NOVEMBER 12</u>, 19 <u>63</u>

Under/special instructions dated \_\_OCTOBER\_15\_\_\_\_\_, 19\_63\_, which provided for the surveys

49

\_\_\_\_\_, approved \_\_\_\_\_OCTOBER 15, 1963

\_\_\_\_\_, 19 <u>63</u>

. .

Survey completed \_\_\_\_\_\_ NOVEMBER 13 \_\_\_\_\_, 19 \_\_\_\_63 \_\_\_\_

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SURVEY OF OMITTED PIKES ISLAND IN SEC. 12, T. 1 S., R. 2 W., F.M.

-1-

	IN SEC. 12, T. I S., R. 2 W., F.M.
CHAINS	
	An Island in the Chena River was omitted from the dependent resurvey of Sec. 12, executed by Lloyd E. Toland, Cadastral Engineer, in 1951 and the original survey executed by William H. Thorn, U.S. Surveyor in 1911.
	This survey was commenced November 12 1963 and was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1947, and the Supplemental Special Instructions dated October 15, 1963.
	The azimuth of all lines was determined by sustained angulation from the line between Sections 7 and 12, Township 1 South, Ranges 1 and 2 West, Fairbanks Base and Meridian.
	The Magnetic declination was not measured. Information from recent mapping sources indicates an average value of 30° East.
	In order to survey a small island, locally known as Pikes Island in Section 12, I begin at the corner of Sections 7, 12, 13, and 18, T. 1 S., Rs. 1 and 2 W., which is monumented with an iron post, firmly set, marked and witnessed as described in the official record.
	N. 36° 16' W., on connecting lines, calculated from a closed traverse.
27.77	The SE. bank of Pikes Island at ordinary mean high water.
	Point for the auxiliary meander corner on the SE. bank of Pikes Island, located in the Chena River. Not monumented due to liability of destruction by ice and high water. I establish the Witness Aux- iliary Meander Corner as follows.
	At a point bearing N. 53° 25' W., 1.60 chs. dist., in safe position on a bank 3 ft. above the mean high water line of the Chena River, set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	AMC TIS R2W SI2 WC 1963
	from which
	A tamarack, 4 Ins. diam., bears S. 54° 25' W., 37 lks. dist., mkd. X BT.
	The SE. corner of a frame cabin 10 x 12 ft., bears N. 67° 40' W., 114 lks. dist., the SW. and long side bearing N. 73° W.

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SURVEY OF OMITTED PIKES ISLAND IN SEC. 12, T. 1 S., R. 2 W., F.M.

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INTERIOR--PORTLAND, OREGON

-2-

		IN SEC. 12, T. 1 S., R. 2 W., F.M.	
	CHAINS	Thence with the meanders of the island, along a sandy beach at mean high water line.	
-	•	S. 50° 40' W., 4.82 chs. On this course the river bank gradually increases in height and becomes nearly vertical, 6 ft. above mean high water.	
	τ .	N. 2° 17' E., 3.22 chs. On this course the bank de- creases from 6 ft. to a gradual slope 3 ft. above mean high water.	
		N. 20° 00* E., 4.13 chs.	
		N. 54° 14' E., 5.01 chs.	
	-	S. 76° 50' E., 4.14 chs.	
		S. 33° 29' W., 3.53 chs.	
		S. 52° 06' W., 5.02 chs. At end of course, point of beginning.	
		Containing 4.21 acres.	
	•	GENERAL DESCRIPTION	
		This survey is of an island in the Chena River, loc- ally known as Pikes Island, lying within Sec. 12, T. 1 S., R. 2 W., Fairbanks, Meridian. Evidence based on aerial photographs indicate that this island existed prior to the admission of the State of Alaska into the Union. The same evidence also indicates that the island was in existance at the time of the 1953 resurvey but omitted, uninten- tionally, during the course of the work. There is a possibility that in the original 1911 survey the island did not exist or consisted of a small sand bar. The island is generally level and approximately 2 ft. to 6 ft. above mean high water mark of the river. The soil is sandy loam and above high water the island is covered with a dense growth of alder. The improvements consists of a frame cabin 10 x 12 ft. and a privy.	

Form 4-680 (June 1963)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

132

FIEL	D ASSISTANTS
NAMES	CAPACITY
Robert D. Bagett	Çadastral Surveyor
Charley W. Myers	Supervisòry Surveying Tèchhician
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INTERIOR - PORTLAND, OREGON

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I, William D. Nelson Supplemental in pursuance of/special instructions bearing date of the 15 day of October , 1963 , I have surveyed Pikes Island in the Chena River, an omitted Island within Sec. 12, T. 1 S., R. 2 W.,

of the **Fairbanks** Meridian, in the State 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 special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

<u> (Date)</u>

133

William D

(Date)

(Cadastral Surveyor)

### CERTIFICATE OF APPROVAL

SUEMITTED FOR APPROVAL Date \_\_\_\_\_\_ 2 1965

BUREAU OF LAND MANAGEMENT, Washington, D. C.

The foregoing field notes of the survey of Pikes Island in the Chena River, an omitted Island within Sec. 12, T. 1 S., R. 2 W., Fairbanks, Alaska.

executed by William D. Nelson, Supervisory Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

APR	1	3	1965	
		(	(Date)	

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.

(Date)

(Chief, Division of Engineering)

## R-227

# ORIGINAL

012

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FIELD NOTES OF THE DEPENDENT RESURVEY OF A PORTION OF AND

THE SUBDIVISION

OF

SECTION 20, TOWNSHIP 1 SOUTH, RANGE 2 WEST, OF THE FAIRBANKS MERIDIAN IN THE STATE OF ALASKA

#### EXECUTED BY

Samuel R. Morris, Cadastral Surveyor

Under Special Instructions dated June 14, 2004, approved July 6, 2004, which provided for the surveys included under Group No. 920, Alaska, and Assignment Instructions dated July 9, 2004.

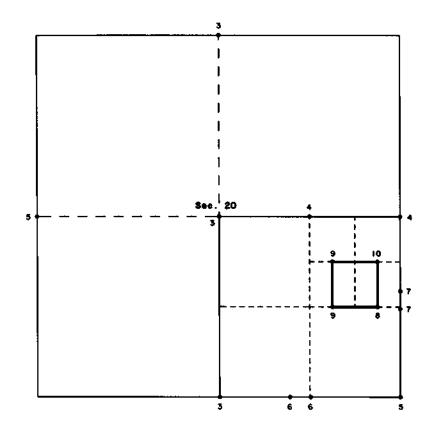
Survey	commenced:	September	20,	2004
Survey	completed:	October 25	5, 20	004

# INDEX DIAGRAM

SECTION 20

TOWNSHIP I SOUTH, RANGE 2 WEST, OF THE FAIRBANKS MERIDIAN, ALASKA

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T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	
ŢĦĠŢŢĨŴ	The following field notes describe the dependent resurvey of a portion of and the subdivision of section 20, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska.
	The Fairbanks Base Line through Ranges 1 and 2 West, and 1 East, was surveyed by W.N. Vance and S.G. Lundie, United States Deputy Surveyors, in 1910.
	The west boundary of Township 1 South, Range 1 West, and the west boundary of Township 1 South, Range 2 West, Fairbanks Meridian, were surveyed by W.N. Vance, United States Deputy Surveyor, in 1910.
	The subdivision and meander lines of Township 1 South, Range 2 West, Fairbanks Meridian, were surveyed by W.H. Thorn, United States Deputy Surveyor, in 1911.
	The subdivision of Township 1 North, Range 2 West, Fairbanks Meridian, was surveyed by W.K. Kierulff, Assistant U.S. Transitman, in 1912.
	A portion of the NE 1/4 of section 29, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 1986, and filed in the Fairbanks Recording District on November 14, 1986, as plat No. 86-159.
	The S 1/2, SE 1/4, NW 1/4 of section 21, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 1997, and filed in the Fairbanks Recording District on August 19, 1997, as plat No. 97-81.
	A portion of the SW 1/4 of section 21, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 1999, and filed in the Fairbanks Recording District on October 4, 1999, as plat No. 99-84.
	A portion of the W 1/2 of section 21, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 2000, and filed in the Fairbanks Recording District on January 21, 2003, as plat No. 2003-7.
	The subdivision of a portion of the SE 1/4 of section 20, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 2004, and filed in the Fairbanks Recording District on September 14, 2004, as plat No. 2004-120.
	The subdivision of a portion of the SE 1/4 of section 20, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor No. 705-S, in 2004, and filed in the Fairbanks Recording District on December 22, 2004, as amended plat No. 2004-162.

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Т.	1	S.,	R.	2	W.,	Fairbanks	Mer.,	Alaska
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Chains	
	There are numerous other private surveys located throughout the project area.
	A portion of this survey was executed using the Global Positioning System (G.P.S.), utilizing static relative and real- time kinematic positioning techniques; conventional survey methods and instrumentation were used for the remainder of the survey.
	All distances are horizontal distances reduced to their sea level equivalent.
	All of the subdivisional lines of the section were computed using proper procedures. A thorough search was made for all evidence of any intervening corners on these computed lines. Only certain lines were actually returned as surveyed.
	This survey was executed in accordance with the specifications set forth in the <u>Manual of Surveying Instructions, 1973</u> , and Special Instructions for Group No. 920, Alaska, dated June 14, 2004.
	The azimuth was determined using the Global Positioning System (G.P.S.), utilizing static relative positioning techniques, and refers to the true meridian.
	Preliminary to the resurvey, the lines of the prior surveys were retraced and a diligent search was made for all evidence of the original corners and other calls of record. Identified corners were remonumented in their original positions. The retracement data was thoroughly verified, and only the true line field notes are given herein.
	The geographic position of the corner of sections 20, 21, 28 and 29, as determined using the Global Positioning System (G.P.S.), utilizing static relative positioning techniques, is:
	Latitude: 64°48'22.20" N. Longitude: 147°58'37.79" W. NAD 27
	The mean magnetic declination was derived from the U.S. Geological Survey World Magnetic Model 2000, and indicates a value of 23° East.
	Dependent Resurvey of a Portion of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska
	(Restoring a portion of the 1911 survey by W. H. Thorn)

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Dependent Resurvey of a Portion of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Beginning at the 1/4 sec. cor. of secs. 20 and 29, monumented with an iron post, 1 in. diam., lying on the ground and bent, with a hole in the ground at the base of the post, with brass cap mkd. 1/4 S20 S29 1911. There is no remaining evidence of the original bearing trees.
At the cor. point, determined at the hole at the base of the iron post
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
T1SR2W
1/4 <u>520</u> 529
2004
from which new bearing trees
A spruce, 5 ins. diam., bears S. 42° W., 61 lks. dist., mkd. 1/4 S29 BT.
A birch, 5 ins. diam., bears N. 60 1/4° W., 68 1/2 lks. dist., mkd. 1/4 S20 BT in the bark.
Deposit a magnet in a white plastic case at the base of the stainless steel post.
Invert and bury the iron post, flush with surface, alongside the stainless steel post.
N. 0°11' W., on the N and S centerline of sec. 20.
Point for the center S 1/16 sec. cor. of sec. 20, not monumented.
The center 1/4 sec. cor. of sec. 20, monumented by Sidney E. Clark, Alaska Registered Land Surveyor No. 3209-S, with a 5/8 in. rebar, firmly set, with an alum. cap, 1 1/2 ins. diam., mkd. 3209-S with a dimple. This position is harmoniously related to existing original cors., and is accepted as a careful and faithful determination of the position of the center 1/4 sec. cor.
From this point, an alum. post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with an alum. cap, 2 1/2 ins. diam., mkd. ENGINEERING ASSISTANCE 3950S, bears N. 38°22' E., 4 lks. dist.
From this same point, the $1/4$ sec. cor. bet. secs. 17 and 20, bears N. 0°08' W., 40.02 chs. dist., monumented with an iron post, 1 in. diam., firmly set, projecting 12 ins. above the

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Dependent Resurvey of a Portion of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	ground, with brass cap mkd. 1/4 S17 S20 1911, from which the remaining original bearing tree
	A decayed stump, bears S. 77° E., 26 lks. dist., with no discernible marks.
	And bearing trees not of record
	A spruce, 6 ins. diam., bears S. 55 1/2° E., 18 1/2 lks. dist., with a fully healed blaze at breast height.
	A spruce, 15 ins. diam., bears S. 70 1/2° W., 79 1/2 lks. dist., with a fully healed blaze at breast height, with a metal tag posted by the State of Alaska, DNR, Division of Technical Services in 1982.
<i>.</i> .	The original pits, 18 X 18 X 12 ins., bear 3 ft. E and W of the iron post, and the original mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, bears N of the iron post.
	From the 1/4 sec. cor. of secs. 20 and 21, monumented with a iron post, 1 in. diam., firmly set, flush with the ground, with brass cap mkd. 1/4 S20 S21 1911, from which the remaining original bearing tree
	A spruce, 15 ins. diam., bears S. 84° E., 30 lks. dist., with a fully healed blaze.
	The original pits, 18 X 18 X 12 ins., bear 3 ft. N and S of the iron post, and the original mound of earth, 3 1/2 ft. base, 1 1/2 ft. high, bears W of the iron post.
	From which a new bearing tree
	A spruce, 18 ins. diam., bears N. 48 1/4° W., 74 lks. dist., mkd. 1/4 S20 BT.
	Add the marks 2004 to the brass cap.
	S. $89^{\circ}58'$ W., on the E and W centerline of sec. 20.
9.98	Point for the center E E $1/64$ sec. cor. of sec. 20, not monumented.
19.96	The center E 1/16 sec. cor. of sec. 20, established by persons unknown, monumented with a 5/8 in. rebar, firmly set, projecting 6 ins. above the ground, with alum. cap, 1 1/2 ins. diam., mkd. with a single dimple. This position is harmoniously related to existing original cors., and is accepted as a careful and

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Dependent Resurvey of a Portion of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	
	faithful determination of the position of the center E 1/16 sec. cor.
39.95	The center 1/4 sec. cor. of sec. 20, hereinbefore described.
	From this point, the $1/4$ sec. cor. of secs. 19 and 20, bears S. $89^{\circ}59'$ W., $39.99$ chs. dist., perpetuated by Paul E. Stutzmann, Alaska Registered Land Surveyor No. $705-S$ , with a $5/8$ in. rebar, firmly set, projecting 2 ins. above the ground, with alum. cap, 1 $1/2$ ins. diam., mkd. $1/4$ S19 + S20 705 S. This position is harmoniously related to existing original cors., and is accepted as a careful and faithful determination of the position of the $1/4$ sec. cor., from which a bearing tree not of record
	A birch, 13 ins. diam., bears S. 42 1/2° W., 24 1/2 lks. dist., with no visible marks, with a State of Alaska, DNR, Division of Lands metal tag affixed at eye-level.
	There is no evidence of the record SW birch bearing tree.
	The remnants of the original pit, 18 X 18 X 12 ins. bear 3 ft. S of the rebar. There is no remaining evidence of the original pit, N of the cor., or the original mound of earth.
	Retracement of a Portion of the Line Between Secs. 20 and 29, T. 1 S., R. 2 W., Fairbanks Mer., Alaska
	From the cor. of secs. 20, 21, 28 and 29, monumented with an iron post, 2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd. T1S R2W S20 S21 R2W S29 S28 1911, from which the remains of an original bearing tree
	A pair of decayed stumps, 8 and 16 ins. diam., bears S. 32 1/2° E., 78 lks. dist., with no discernible marks.
	From which new bearing trees
	A spruce, 5 ins. diam., bears N. 42 1/2° E., 81 lks. dist., mkd. X BT.
	A spruce, 9 ins. diam., bears S. 65 1/4° E., 50 1/2 lks. dist., mkd. T1S R2W S28 BT.
	A spruce, 5 ins. diam., bears S. 23 1/4° W., 39 lks. dist., mkd. X BT.
	A birch, 9 ins. diam., bears N. 52 1/4° W., 106 1/2 lks. dist., mkd. T1S R2W S20 BT in the bark.

Retracement of a Portion of the Line Between Secs. 20 and 29, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

6

Chains Add the marks 2004 to the brass cap. Thence N. 89°57' W., with a connecting tie. 19.80 The most southwesterly cor. of Lot 14, Block 10, Chena Point Heights Subdivision, Fourth Addition, established and monumented by Paul E. Stutzmann, Alaska Registered Land Surveyor No. 705-S, with an alum. post, 2 1/2 ins. diam., firmly set, flush with the ground, with an alum. cap, 3 1/4 ins. diam., mkd. STUTZMANN ENGINEERING CO. L14 705-S, and is accepted as a careful and faithful determination of a point on line bet. secs. 20 and 29. This line was retraced and no controlling intervening cors. or points of control were found. There was no administrative need to tie topography. Dependent Resurvey of a Portion of the Line Between Secs. 20 and 29, T. 1 S., R. 2 W., Fairbanks Mer., Alaska (Restoring a portion of the 1911 survey by W.H. Thorn) From the most southwesterly cor. of Lot 14, Block 10, Chena Point Heights Subdivision, Fourth Addition, on line bet. secs. 20 and 29, hereinbefore described. N. 89°57' W., bet. secs. 20 and 29. 0.15 Point for the E 1/16 sec. cor. of secs. 20 and 29, at proportionate dist., bet. the cor. of secs. 20, 21, 28 and 29, and the 1/4 sec. cor. of secs. 20 and 29, not monumented. 4.56 The NW cor. of Lot 1, Ptarmigan Heights Subdivision, Fourth Addition, established and monumented by Paul E. Stutzmann, Alaska Registered Land Surveyor No. 705-S, with a 5/8 in. rebar, firmly set, projecting 10 ins. above the ground, with an alum. cap, 1 1/2 ins. diam., mkd. PROPERTY CORNER 1 705-S, and is accepted as a careful and faithful determination of a point on line bet. secs. 20 and 29. Retracement of a Portion of the Line Between Secs. 20 and 29, T. 1 S., R. 2 W., Fairbanks Mer., Alaska From the NW cor. of Lot 1, Ptarmigan Heights Subdivision, Fourth Addition, hereinbefore described. Thence N. 89°57' W., with a connecting tie.

Retracement of a Portion of the Line Between Secs. 20 and 29, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

<b>Chains</b> 15.54	The 1/4 sec. cor. bet. secs. 20 and 29, hereinbefore described.
	This line was retraced and no controlling intervening cors. or points of control were found. There was no administrative need to tie topography.
	Retracement of a Portion of the Line Between Secs. 20 and 21, T. 1 S., R. 2 W., Fairbanks Mer., Alaska
	From the corner of secs. 20, 21, 28 and 29, hereinbefore described.
	N. 0°05' W., bet. secs. 20 and 21, with a connecting tie.
19.545	The northwest cor. of Lot 16, Block 3, Chena Point Heights subdivision, First Addition, identical with the SW cor. of Lot 1, Block 3, Chena Point Heights Subdivision, Second Addition, established and monumented by Paul E. Stutzmann, Alaska Registered Land Surveyor No. 705-S, with an alum. post, 2 1/2 ins. diam., firmly set, flush with the ground, with an alum. cap, 3 1/4 ins. diam., mkd. STUTZMANN ENGINEERING CO. CHENA POINT HEIGHTS L16 B3 1997 705-S, and is accepted as a careful and faithful determination of a point on the line bet. secs. 20 and 21.
	This line was retraced and no controlling intervening cors. or points of control were found. There was no administrative need to tie topography.
	Dependent Resurvey of a Portion of the Line Between Secs. 20 and 21, T. 1 S., R. 2 W., Fairbanks Mer., Alaska
	(Restoring a portion of the 1911 survey by W.H. Thorn)
	From the northwest cor. of Lot 16, Block 3, Chena Point Heights subdivision, First Addition, identical with the SW cor. of Lot 1, Block 3 of Chena Point Heights subdivision, Second Addition, on the line bet. secs. 20 and 21, hereinbefore described.
	N. 0°05' W., bet. secs. 20 and 21.
0.485	Point for the S 1/16 sec. cor. of secs. 20 and 21, at proportionate dist., bet. the cor. of secs. 20, 21, 28 and 29, and the 1/4 sec. cor. of secs. 20 and 21, not monumented.
3.99	The NW cor. of Lot 1, Block 3, Chena Point Heights subdivision, Second Addition, established and monumented by Paul E.

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Dependent Resurvey of a Portion of the Line Between Secs. 20 and 21, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

8

Chains Stutzmann, Alaska Registered Land Surveyor No. 705-S, with a 5/8 ins. rebar, firmly set, flush with the ground, with an alum. cap, 1 1/2 ins. diam., mkd. PROPERTY CORNER ROW 1 705-S, and is accepted as a careful and faithful determination of a point on line bet. secs. 20 and 21. Retracement of a Portion of the Line Between Secs. 20 and 21, T. 1 S., R. 2 W., Fairbanks Mer., Alaska From the NW cor. of Lot 1, Block 3, Chena Point Heights Subdivision, Second Addition, hereinbefore described. Thence N. 0°05' W., with a connecting tie. 1 16.525 The 1/4 sec. cor. of secs. 20 and 21, hereinbefore described. This line was retraced and no controlling intervening cors. or points of control were found. There was no administrative need to tie topography. Survey of a Portion of the Subdivisional Lines of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska From the point for the center E E SE 1/256 sec. cor. of sec. 20. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd. S 20 C-E-E-SE 1/256 2004 from which A spruce, 17 ins. diam., bears S. 57 1/2° W., 15 1/2 1ks. dist., mkd. X BT. A spruce, 5 ins. diam., bears N. 22 1/4° W., 85 1/2 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the stainless steel post.

Survey of a Portion of the Subdivisional Lines of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	Located on a moderate S slope among scattered spruce, aspen, alder and rosehips.
	From this point, the S 1/16 sec. cor. of secs. 20 and 21, bears S. 89°59' E., 4.99 chs. dist., hereinbefore described.
	From this same point the following improvement:
	The SE cor. of a wood cabin, 14 1/4 X 12 1/4 ft., bears N. 60°12′ W., 4.66 chs. dist., long side extends North.
	N. $89^{\circ}59'$ W., on the E and W centerline of the SE 1/4 of sec. 20.
4.99	Point for the center E SE 1/64 sec. cor. of sec. 20, not monumented.
9.98	Point for the center W E SE 1/256 sec. cor. of sec. 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	\$ 20
	C-W-E-SE
	1/256
	2004
	2004 from which
	from which A spruce, 9 ins. diam., bears N. 40 1/2° E.,
	from which A spruce, 9 ins. diam., bears N. 40 1/2° E., 84 1/2 lks. dist., mkd. X BT. A spruce, 11 ins. diam., bears N. 51 1/2° W.,
	<pre>from which A spruce, 9 ins. diam., bears N. 40 1/2° E., 84 1/2 lks. dist., mkd. X BT. A spruce, 11 ins. diam., bears N. 51 1/2° W., 83 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the</pre>
	<pre>from which A spruce, 9 ins. diam., bears N. 40 1/2° E., 84 1/2 lks. dist., mkd. X BT. A spruce, 11 ins. diam., bears N. 51 1/2° W., 83 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the stainless steel post. Located near the crest of a small knoll, bears S. 70° E. and N. 70° W., among scattered spruce, aspen, diamond willow, alder</pre>
10.01	<pre>from which     A spruce, 9 ins. diam., bears N. 40 1/2° E.,         84 1/2 lks. dist., mkd. X BT.     A spruce, 11 ins. diam., bears N. 51 1/2° W.,         83 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the stainless steel post. Located near the crest of a small knoll, bears S. 70° E. and N. 70° W., among scattered spruce, aspen, diamond willow, alder and rosehips. N. 0°07' W., on the N and S centerline of the SW 1/4 NE 1/4 SE</pre>
10.01	<pre>from which     A spruce, 9 ins. diam., bears N. 40 1/2° E.,     84 1/2 lks. dist., mkd. X BT.     A spruce, 11 ins. diam., bears N. 51 1/2° W.,     83 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the stainless steel post. Located near the crest of a small knoll, bears S. 70° E. and N. 70° W., among scattered spruce, aspen, diamond willow, alder and rosehips. N. 0°07' W., on the N and S centerline of the SW 1/4 NE 1/4 SE 1/4 of sec. 20.</pre>
10.01	<pre>from which     A spruce, 9 ins. diam., bears N. 40 1/2° E.,     84 1/2 lks. dist., mkd. X BT.     A spruce, 11 ins. diam., bears N. 51 1/2° W.,     83 lks. dist., mkd. X BT. Deposit a magnet in a white plastic case at the base of the stainless steel post. Located near the crest of a small knoll, bears S. 70° E. and N. 70° W., among scattered spruce, aspen, diamond willow, alder and rosehips. N. 0°07' W., on the N and S centerline of the SW 1/4 NE 1/4 SE 1/4 of sec. 20. Point for the center W NE SE 1/256 sec. cor. of sec. 20. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam.,</pre>

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Survey of a Portion of the Subdivisional Lines of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	
	S 20
	C-W-NE-SE
	1/256
	2004
	from which
	A spruce, 11 ins. diam., bears S. 69 3/4° E., 96 1/2 lks. dist., mkd. X BT.
	A spruce, 10 ins. diam., bears S. 52 1/4° W., 65 1/2 lks. dist., mkd. X BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Located on level ground among scattered spruce, birch, diamond willow, and alder.
	East, on the E and W centerline of the NE 1/4 SE 1/4 of sec. 20.
4.99	Point for the NE SE 1/64 sec. cor. of sec. 20, not monumented.
9.98	Point for the center E NE SE 1/256 sec. cor. of sec. 20.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.
	S 20
	C-E-NE-SE
	1/256
	2004
	from which
	A birch, 8 ins. diam., bears N. 25 1/4° E., 65 lks. dist., mkd. X BT in the bark.
	An aspen, 7 ins. diam., bears S. 56 3/4° W., 37 1/2 lks. dist., mkd. X BT in the bark.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.

Survey of a Portion of the Subdivisional Lines of Sec. 20, T. 1 S., R. 2 W., Fairbanks Mer., Alaska

Chains	Located on level ground among scattered spruce, birch, aspen and rosehips.
	S. 0°06' E., on the N and S centerline of the SE 1/4 NE 1/4 SE 1/4 of sec. 20.
10.01	The center E E SE 1/256 sec. cor. of sec. 20, hereinbefore described.
	General Description
	This survey is located in section 20 of T. 1 S., R. 2 W., Fairbanks Meridian, Alaska near Fairbanks, Alaska.
	This survey is located on moderately level, brushy ground among spruce, birch, aspen, diamond willow, alder, and rosehips.
	There are numerous existing subdivisions and development in the SE 1/4 of sec. 20. The land is primarily used for residential lots.
	Transportation of personnel and equipment for the execution of this survey was accomplished with four-wheel drive truck and foot travel.

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

12

FIELD ASSISTANTS

FIELD ASSIST	TANTS
NAMES	CAPACITY
Nathan H. Price	Land Surveyor
John D. Taivalkoski	Land Surveyor
Gabriel P. Nanok	Surveying Aid
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#### CERTIFICATE OF SURVEY

I, Samuel R. Morris, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing the date of the 14th day of June, 2004, I have dependently resurveyed a portion of and subdivided section 20, Township 1 South, Range 2 West of the Fairbanks Meridian, in the State 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 special 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.

November 15, 2005 (Date) (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Anchorage, Alaska

The foregoing field notes of the dependent resurvey of a portion of and the subdivision of section 20, Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, executed by Samuel R. Morris, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

12/23/2005 (Date)

(Deputy State Director for Cadastral Survey, Alaska)

I CERTIFY That the foregoing transcript of the field notes of the above described surveys in Township 1 South Range 2 West, Fairbanks Meridian, Alaska, is a true copy of the original field notes.

CERTIFICATE OF TRANSCRIPT

(Date)

(Deputy State Director for Cadastral Survey, Alaska)

# ORIGINAL

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

#### FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

PORTIONS OF THE SUBDIVISIONAL LINES OF

TOWNSHIP 1 SOUTH, RANGE 2 WEST

AND A PORTION OF CANCELLED U.S. SURVEY NO. 436, CHENA TOWNSITE

AND THE SURVEY OF

THE MEDIAN LINE OF MARCONI SLOUGH, A RELICTED CHANNEL

AND THE PRESENT DAY MEANDERS OF A PORTION OF

SECTION 27

 $\mathbb{I}\mathbf{N}$ 

TOWNSHIP 1 SOUTH, RANGE 2 WEST

OF THE FAIRBANKS MERIDIAN

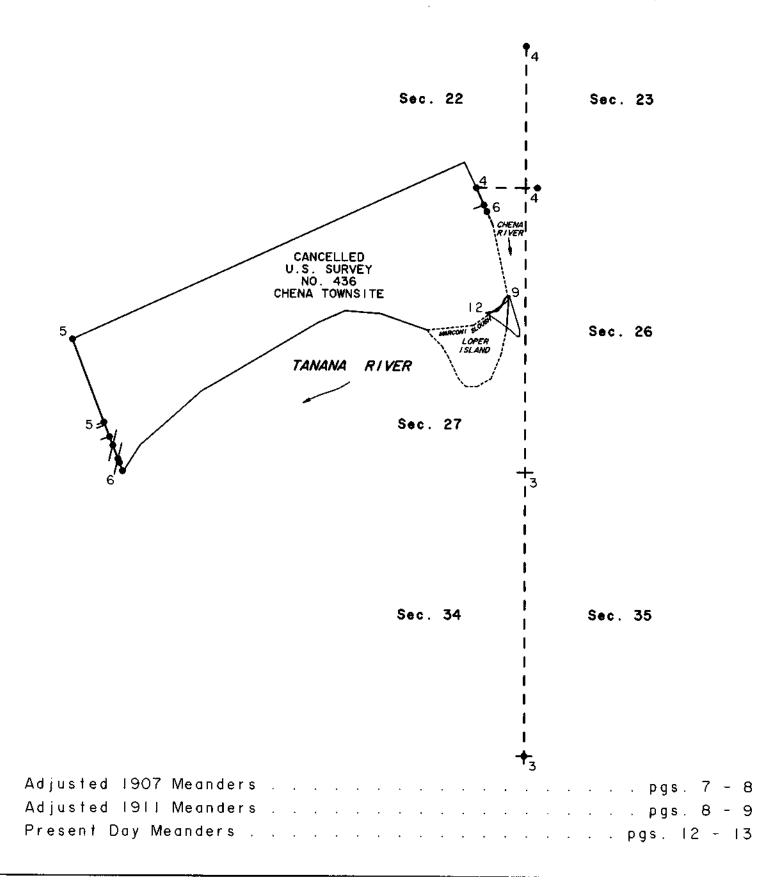
IN THE STATE OF ALASKA

#### EXECUTED BY

Joshua J. Smail, Cadastral Surveyor

Under Special Instructions dated, June 14, 2004, approved July 6, 2004, which provided for the surveys included under Group No. 920, Alaska, and assignment instructions dated July 9, 2004.

Survey commenced: July 21, 2005 Survey completed: August 8, 2005 TOWNSHIP I SOUTH, RANGE 2 WEST, OF THE FAIRBANKS MERIDIAN, ALASKA



T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains	The following field notes describe the dependent resurvey of portions of the subdivisional lines of Township 1 South, Range 2 West, and a portion of Cancelled U.S. Survey No. 436, Chena Townsite; and the survey of the median line of Marconi Slough, a relicted channel, and the present day meanders of a portion of section 27, in Township 1 South, Range 2 West, of the Fairbanks Meridian, Alaska.
	U.S. Survey No. 436, Chena Townsite was surveyed by R. A. Jackson, United States Deputy Surveyor, in 1907. This survey was cancelled in 1921. The plat has been retained as forming in part the boundaries of the lots.
	The subdivisional and meander lines of Township 1 South, Range 2 West were surveyed by W. H. Thorn, United States Surveyor, in 1911.
	A supplemental plat of sections 22, 27, and 28, Township 1 South, Range 2 West, was accepted on August 1, 1921.
	Edanella Heights Alaska, Subdivision was surveyed by Paul E. Stutzmann, Registered Alaska Engineer, No. 704, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on January 2, 1969, Instrument No. 69-3.
	Chena Marina Subdivision was surveyed by Tom Rosadiuk, Registered Alaska Land Surveyor, No. 3239, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on April 3, 1975, Instrument No. 75-29.
	Chena Marina Subdivision - First Addition was surveyed by Tom Rosadiuk, Registered Alaska Land Surveyor, No. 3239, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on July 9, 1975, Instrument No. 75-78.
	Chena Marina Subdivision Amended Plat was surveyed by Tom Rosadiuk, Registered Alaska Land Surveyor, No. 3239, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on November 21, 1975, Instrument No. 75–188.
	Chena Marina Subdivision - Second Addition was surveyed by Tom Rosadiuk, Registered Alaska Land Surveyor, No. 3239, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on December 18, 1975, Instrument No. 75-197.
	Chena Marina Subdivision - Fourth Addition was surveyed by Tom Rosadiuk, Registered Alaska Land Surveyor, No. 3239, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on September 20, 1983, Instrument No. 83-180.
	Tall Spruce Subdivision was surveyed by Paul E. Stutzmann, Registered Alaska Land Surveyor, No. 705, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on August 21, 1984, Instrument No. 84-182.

Chains	
	Tall Spruce Subdivision - First Addition was surveyed by Richard C. Heieren, Registered Alaska Land Surveyor, No. 4473, filed with the Alaska State Recorder's Office, Fairbanks Recording District, on December 22, 2004, Instrument No. 2004-163.
	Chena Pump Camp Ground was surveyed by Scott Wortman, Registered Alaska Land Surveyor, No. 6935, and is not filed at this time.
	This survey was executed using the Global Positioning System, utilizing static relative and real-time kinematic positioning techniques; no lines were brushed or marked between corners.
	All surveyed lines and ties between corners are mean bearings.
	All distances are horizontal distances reduced to their sea level equivalent.
	This survey was executed in accordance with the specifications set forth in the <u>Manual of Surveying Instructions, 1973</u> , and Special Instructions for Group No. 920, Alaska, dated June 14, 2004.
	The azimuth was determined from a control network using the Global Positioning System, utilizing static relative positioning techniques, and refers to the true meridian.
	Preliminary to the survey, the lines of prior surveys were retraced and a diligent search was made for all evidence of the original corners and other calls of record. The retracement data was thoroughly verified and only the true line data is represented herein.
	The geographic position of the quarter section corner of sections 22 and 23, as determined by the Global Positioning System, utilizing static relative positioning techniques, based on a tie to National Geodetic Survey, Continuous Operating Reference Station (CORS) "FAIR (2003)", is:
	Latitude: 64° 48′ 48.31" N. Longitude: 147° 54′ 33.78" W. NAD 27
	Transformations from NAD83 CORS 2003 to NAD27 were made using the National Geodetic Survey NADCON programs.
	The mean magnetic declination was derived from the U.S. Geological Survey, World Magnetic Model 2000, and indicates a value of 23° East.

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Dependent Resurvey of Portions of the Subdivisional Lines of T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains	(Restoring the survey executed by W. H. Thorn, in 1911) Extensive water action has occurred along the subdivisional lines along the Tanana and Chena Rivers. A search was made for corners along these lines for control purposes. Due to the extensive accretion and erosion, lost corners were not remonumented. Lot 4, sec. 27 no longer exists due to erosion.	
	Beginning at the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the Tp., monumented with an iron post, 3 ins. diam., loosely set, projecting 15 ins. above ground, with brass cap mkd. T1S R2W S34 S35 R2W S2 S3 T2S 1911, from which the remains of the original bearing trees	
	A dead and standing tamarack, 6 ins. diam., bears S. 15° E., 75 lks. dist., with scribe marks T2SR2WS2BT visible on an open blaze.	
	A rotted spruce stump, bears S. 1 1/2° W., 47 lks. dist., with no visible marks.	
	And a new bearing tree	
	A spruce, 10 ins. diam., bears N. 81 3/4° W., 178 lks. dist., mkd. X BT, with a 40d nail driven in the right side base.	
	No remaining evidence of original pits or earth mound.	
	Firmed up the original iron post.	
	Add the marks 2005 to the brass cap.	
	N. 0° 05' W., on a connecting tie.	
	This connecting tie was retraced and no intervening cors. or points of control were found.	
80.17	Point for the cor. of secs. 26, 27, 34, and 35, at proportionate dist., falls in the Tanana River, not monumented.	
	N. 0° 05' W., on a connecting tie.	
	This connecting tie was retraced and no intervening cors. or points of control were found.	
80.17	Point for the cor. of secs. 22, 23, 26, and 27, at double proportionate position, not monumented.	

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Dependent Resurvey of Portions of the Subdivisional Lines of T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains	From this point, the meander cor. of secs. 23 and 26, on the 1911 left bank of the Chena River, bears N. 89° 37' E., 3.30 chs. dist., monumented with an iron post, 2 ins. diam., bent over, 2 1/2 ft. under ground, with brass cap mkd. T1S S23 MC S26 R2W 1911, from which the remains of an original bearing tree
:	A cottonwood stump, 19 ins. diam., 3 ft. high, bears S. 60 1/2° E., 123 lks. dist., with scribe marks T1SR2WS26MCBT visible on an open blaze.
	Reset the bent, original iron post, 12 ins. under ground.
	Located in the approximate centerline of a dirt trail, bears east and west.
	From this same point, the closing cor. on line 3 - 4, U.S. Survey No. 436, Chena Townsite, bears N. 89° 55' W., 13.77 chs. dist., monumented with an iron post, 2 ins. diam., bent over flush, 18 ins. exposed, without a cap, from which the original bearing trees
	A spruce, 23 ins. diam., bears S. 82° E., 36 lks. dist., with a fully healed blaze.
	A dead and standing spruce snag, 14 ins. diam., bears N. 9 1/4° W., 49 lks. dist., with no marks visible on a mostly healed blaze.
N. 0° 02′ E., on a connecting tie. This connecting tie was retraced and no intervening cors. points of control were found.	
	No remaining evidence of original pits or earth mound.
	From this point, National Geodetic Survey CORS station "FAIR" bears N. 46° 43' 41" E., 1334.15 chs. dist.

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Dependent Resurvey of a Portion of Cancelled U.S. Survey No. 436, Chena Townsite T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

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Chains	
	(Restoring the survey executed by R. A. Jackson, in 1907)
	From cor. No. 2, U.S. Survey No. 436, Chena Townsite, monumented with an iron post, 3 ins. diam., firmly set, projecting 6 ins. above ground, mkd. COR. 2 on the E. side.
	No remaining evidence of original pits or earth mound.
	S. 20° 52′ E., on line 2 - 1, U.S. Survey No. 436, Chena Townsite.
24.95	Intersect the northerly right-of-way of Edby Road, as shown on the plat of Edanella Heights Alaska, Subdivision, recorded on January 2, 1969, established by Paul E. Stutzmann, Registered Alaska Engineer, No. 704, accepted as a point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, monumented by Stutzmann with an iron post, 2 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd. 1968 BK3 BDY BDY RD 705S.
29.36	The cor. of Lots 16 and 17, Block 3, as shown on the plat of Edanella Heights Alaska, Subdivision, recorded on January 2, 1969, established by Paul E. Stutzmann, Registered Alaska Engineer, No. 704, accepted as a point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, monumented by Stutzmann with an iron rod, 5/8 ins. diam., firmly set, projecting 5 ins. above ground, with alum. cap mkd. 1968 B3 17 16 BDY 705S.
31.97	Intersect the northerly right-of-way of Chena Ridge Road, as shown on the plat of Edanella Heights Alaska, Subdivision, recorded on January 2, 1969, established by Paul E. Stutzmann, Registered Alaska Engineer, No. 704, accepted as a point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, monumented by Stutzmann with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. 1968 BK3 L16 BDY ROW 705S.
36.01	Intersect the southerly right-of-way of Chena Ridge Road, as shown on the unrecorded plat of Chena Pump Camp Ground, established by Scott Wortman, Registered Alaska Land Surveyor, No. 6935, accepted as a point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, monumented by Wortman with an alum. post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with alum. cap mkd. STUTZMANN ENGINEERING CO ROW L9 TRA 1998 705-S.
37.22	A point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, as shown on the plat of Edanella Heights Alaska, Subdivision, recorded on January 2, 1969, established by Paul E. Stutzmann, Registered Alaska Engineer, No. 704, monumented by Stutzmann with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. 1968 ROW TR A 705S.

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Dependent Resurvey of a Portion of Cancelled U.S. Survey No. 436, Chena Townsite T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains	
39.68	The witness cor. to the meander cor. of Tract A, Edanella Heights Alaska, Subdivision, and Lot 9, Chena Pump Camp Ground, as shown on the unrecorded plat of Chena Pump Camp Ground, established by Scott Wortman, Registered Alaska Land Surveyor, No. 6935, accepted as a point on line 2 - 1, U.S. Survey No. 436, Chena Townsite, monumented by Wortman with an alum. post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with alum. cap mkd. STUTZMANN ENGINEERING CO. TRA L9 WCMC 1998 705-S. This cor. now becomes the witness cor. to cor. No. 1, U.S. Survey No. 436, Chena Townsite, a meander cor., on the right bank of the Tanana River, at the line of ordinary high water.
40.00	<pre>True point for cor. No. 1, U.S. Survey No. 436, Chena Townsite, a meander cor., at projected bearing and record dist., on the right bank of the Tanana River, at the line of ordinary high water. There is no remaining evidence of the original corner position.</pre> From the closing cor. on line 3 - 4, U.S. Survey No. 436, Chena Townsite, hereinbefore described. S. 23° 58' E., on a portion of line 3 - 4, U.S. Survey No. 436, Chena Townsite.
5.33	The cor. of Lots 7 and 8, as shown on the plat of Tall Spruce Subdivision, recorded on August 21, 1984, established by Paul E. Stutzmann, Registered Alaska Land Surveyor, No. 705, accepted as a point on line 3 - 4, U.S. Survey No. 436, Chena Townsite, monumented by Stutzmann with an iron rod, 5/8 ins. diam., firmly set, projecting 1 in. above ground, with alum. cap mkd. PROPERTY CORNER 8 7 705-S.
7.32	The witness cor. to the meander cor. of Lot 7, as shown on the plat of Tall Spruce Subdivision, recorded on August 21, 1984, established by Paul E. Stutzmann, Registered Alaska Land Surveyor, No. 705, accepted as a point on line 3 - 4, U.S. Survey No. 436, Chena Townsite, monumented by Stutzmann with an alum. post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with alum. cap mkd. STUTZMANN ENGINEERING CO TALL SPRUCE BDY MC10 LOT 7 1984 705-S. This cor. now becomes the witness cor. to cor. No. 4, U.S. Survey No. 436, Chena Townsite, a meander cor., on the right bank of the Chena River, at the line of ordinary high water.
7.47	True point for the present day meander cor. of Lot 7, at projected bearing and record dist., on the right bank of the Chena River, at the line of ordinary high water, as shown on the plat of Tall Spruce Subdivision, recorded on August 21, 1984, established by Paul E. Stutzmann, Registered Alaska Land Surveyor, No. 705, accepted as a point on line 3 - 4, U.S. Survey No. 436, Chena Townsite, not monumented.

### Dependent Resurvey of a Portion of Cancelled U.S. Survey No. 436, Chena Townsite T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

7

Chains		
10.56	Point for the original witness cor. to cor. No. 4, U.S. Survey No. 436, Chena Townsite, a meander cor., at projected bearing and record dist. There is no remaining evidence of the original witness cor. to the meander cor. position due to erosion.	
11.61	True point for the original cor. No. 4, U.S. Survey No. 436, Chena Townsite, a meander cor., at projected bearing and record dist., on the 1907 right bank of the Chena River. There is no remaining evidence of the original meander cor. position due to erosion.	
	Adjusted Record Meanders Cancelled U.S. Survey No. 436, Chena Townsite T. 1 S., R. 2 W., Fairbanks Meridian, Alaska From the true point for the original cor. No. 4, U.S. Survey No. 436, Chena Townsite, a meander cor., on the 1907 right bank of the Chena River, hereinbefore described.	
	Thence downstream with the adjusted meanders of the 1907 right bank of the Chena River.	
		At 20.37 chs., intersect the median line of the relicted channel of Marconi Slough, not monumented. At end of course, the adjusted 1907 right bank of Marconi Slough.
	Thence downstream with the adjusted bank of Marconi Slough.	meanders of the 1907 right
		At 2.23 chs., intersect the median line of the relicted channel of Marconi Slough, not monumented. At 5.52 chs., intersect the median line of the relicted channel of Marconi Slough, not monumented. At 6.92 chs., intersect right bank of the Tanana River, at the present day line of ordinary high water, not monumented.
		At end of course, the adjusted 1907 intersection of the right bank of Marconi

Adjusted Record Meanders Cancelled U.S. Survey No. 436, Chena Townsite T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains Slough and the right bank of Tanana River. Thence downstream with the adjusted meanders of the 1907 right bank of the Tanana River. N. 70° 45' W., 13.79 chs. N. 85° 23′ W., 9.89 chs. S. 65° 42' W., 8.19 chs. S. 58° 57′ W., 29.96 chs. S. 59° 57' W., 7.69 chs. S. 47° 41' W., 15.28 chs. S. 48° 11' W., 7.69 chs. S. 31° 41′ W., 8.97 chs. At end of course, the true point for cor. No. 1, U.S. Survey No. 436, Chena Townsite, a meander cor., on the right bank of the Tanana River, at the line of ordinary high water, hereinbefore described. Adjusted Record Meanders Lot 5, Sec. 27 T. 1 S., R. 2 W., Fairbanks Meridian, Alaska From the intersection of the adjusted meanders of the 1907 right bank of Marconi Slough, and the 1911 right bank of the Chena River. Thence downstream with the adjusted meanders of the 1911 bank of Loper Island, Lot 5, sec. 27. S. 3° 58′ W., 8.52 chs. At 5.01 chs., the adjusted 1911 left bank of Marconi Slough. At 7.65 chs., intersect the right bank of the Tanana River, at the present day line of ordinary high water, not monumented. S. 11° 57′ W., 6.81 chs. S. 21° 56' W., 7.41 chs. S. 59° 53' W., 4.40 chs. S. 89° 53' W., 3.30 chs. N. 43° 04' W., 2.89 chs. N. 25° 02' W., 6.69 chs. N. 31° 02' W., 3.49 chs. N. 45° 34' W., 4.09 chs. N. 36° 33' W., 2.12 chs. At end of course, the adjusted 1907 intersection

Chains		
	of the right bank of Marconi Slough and the right bank of Tanana River, not monumented.	
	Survey of the Median Line of Marconi Slough, A Relicted Channel, in Sec. 27, T. 1 S., R. 2 W., Fairbanks Meridian, Alaska	
Marconi Slough eroded and accreted since 1907. The medi was well-defined when Marconi Slough finally relicted. median line of Marconi Slough was determined by examining physical remains of the relicted channel. The original Marconi Slough, just prior to reliction are visible, and latest banks identify a channel that varies from 3 ft. to wide. The original bed is now overgrown with alder and brush, with large spruce and cottonwood above the origin banks.		
From the true point for the auxiliary meander cor., Parcel A the median line of the relicted channel of Marconi Slough, o the present day right bank of the Chena River, at the line o ordinary high water, not monumented due to the liability of destruction by ice and water action.		
From this point, an offline witness cor. to the auxiliary meander cor., Parcel A, bears S. 32° 52' W., 0.62 chs. dis Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam 27 ins. in the ground, with brass cap mkd.		
	AMC	
	527	
	2005	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Located in dry sandy soil, with thick alders and willow brush.	
	S. 68° 53' W., on the median line of the relicted channel of Marconi Slough.	
0.43	Intersect the adjusted 1907 meanders recorded in U.S. Survey No. 436, Chena Townsite, hereinbefore described.	

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T. 1 S., R. 2 W., Fairbanks Meridian, Alaska Chains 0.85 Point for angle point No. 1, on the median line of the relicted channel of Marconi Slough. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd. AP1 • S27 2005 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Located in wet ground, with thick alders, scattered spruce, and cottonwood trees. S. 42° 14' W., on the median line of the relicted channel of Marconi Slough. 0.74 Point for angle point No. 2, on the median line of the relicted channel of Marconi Slough. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd. AP2 S27 2005 Deposit a magnet, in a white plastic case, at the base of the stainless steel post. Located in wet ground, with thick alders, scattered spruce, and cottonwood trees. S. 21° 54' W., on the median line of the relicted channel of Marconi Slough. 1.85 Intersect the adjusted 1907 meanders recorded in U.S. Survey No. 436, Chena Townsite, hereinbefore described. 2.00 Point for angle point No. 3, on the median line of the relicted channel of Marconi Slough. Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.

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Survey of the Median Line of Marconi Slough, A Relicted Channel, in Sec. 27,

Chains		
	AP3	
	<i></i>	
	S27	
	2005	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Located in wet ground, with thick alders, scattered spruce, and cottonwood trees.	
	S. 37° 24' W., on the median line of the relicted channel of Marconi Slough.	
1.89	Point for angle point No. 4, on the median line of the relicted channel of Marconi Slough, in wet ground, not suitable for monumentation.	
	From this point, an offline witness cor. to angle point No. 4, bears S. $18^{\circ}$ 56' W., 0.60 chs. dist.	
Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.		
	WC AP4	
	\$27	
	1	
	2005	
	from which	
	A spruce, 5 ins. diam., bears N. 82° E., 30 lks. dist., mkd. X BT, with a 40d nail driven in the right side base.	
	A spruce, 8 ins. diam., bears S. 29 1/2° E., 70 lks. dist., mkd. X BT, with a 40d nail driven in the right side base.	
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.	
	Located in dry sandy soil, with tall spruce and birch trees.	
	S. 78° 20' W., on the median line of the relicted channel of Marconi Slough.	

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Chains			
1.49	Intersect the adjusted 1907 meanders recorded in U.S. Survey No. 436, Chena Townsite, hereinbefore described.		
3.32	True point for the auxiliary meander cor., Parcel C, on the median line of the relicted channel of Marconi Slough, on the present day right bank of the Tanana River, at the line of ordinary high water, not monumented due to the liability of destruction by ice and water action.		
	From this point, an offline witness cor. to the auxiliary meander cor., Parcel C, bears S. 86° 11' E., 1.78 chs. dist.		
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 27 ins. in the ground, with brass cap mkd.		
	WC		
	\$27		
	AMC		
	2005		
	from which		
	A spruce, 10 ins. diam., bears S. 78 1/2° E., 78 lks. dist., mkd. X BT, with a 40d nail driven in the right side base.		
	Deposit a magnet, in a white plastic case, at the base of the stainless steel post.		
	Located in dry sandy soil, with tall spruce and birch trees.		
	Present Day Meanders, Lot 5, Sec. 27 T. 1 S., R. 2 W., Fairbanks Meridian, Alaska		
	From the true point for the auxiliary meander cor., Parcel A, on the median line of the relicted channel of Marconi Slough, on the present day right bank of the Chena River, at the line of ordinary high water, hereinbefore described.		
:	Thence downstream with the meanders of the right bank of the Chena River, at the line of ordinary high water.		
	S. 25° 09' E., 0.15 chs.		
	S. $16^{\circ}$ 49' E., 10.09 chs.		
	S. 4° 47' W., 1.65 chs. At end of course, the present day intersection with the right bank of the Tanana River.		

Present Day Meanders, Lot 5, Sec. 27 T. 1 S., R. 2 W., Fairbanks Meridian, Alaska

Chains	Thence downstream with the meanders of the right bank of the Tanana River, at the line of ordinary high water.	
	N. 88° 17' W., 0.60 chs. N. 46° 05' W., 2.21 chs. N. 53° 29' W., 1.69 chs.	Intersect the adjusted 1911
		meander line, as recorded in the 1911 survey, hereinbefore described.
	N. 53° 29' W., 2.56 chs. N. 55° 52' W., 3.63 chs.	Intersect the adjusted 1907 meander line, as recorded in the 1907 survey of U.S. Survey No. 436, Chena Townsite, hereinbefore described.
	N. 55° 52' W., 0.80 chs.	At end of course, the true point for the auxiliary meander cor., Parcel C, on the median line of the relicted channel of Marconi Slough, on the present day right bank of the Tanana River, at the line of ordinary high water, hereinbefore described.
	General Description	
	This survey is situated at the confluence of the Chena and Tanana Rivers, approximately 1 1/2 miles southeast of Fairbanks International Airport, Fairbanks, Alaska.	
	The land is generally flat. Vegetation along the Chena and Tanana Rivers consists of spruce, birch, and cottonwood trees.	
	Much of the land is occupied by private residential homes.	
	Transportation of personnel ar	y 450 to 550 ft. above sea level. Id equipment for the execution of Dy automobile, boat, and on foot.

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#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

14

FIELD ASSISTANTS

\_\_\_\_\_

NAMES	САРАСІТУ
Brian T. Buzard	Land Surveyor
Christopher D. Wiita	Land Surveyor
John A. Daavettila	Survey Technician
Alec K. Thomas	Survey Technician
Shannan K. Roy	Education Technician
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#### CERTIFICATE OF SURVEY

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I, Joshua J. Smail, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 14th day of June, 2004, I have dependently resurveyed portions of the subdivisional lines of Township 1 South, Range 2 West, and a portion of Cancelled U.S. Survey No. 436, Chena Townsite; and surveyed the median line of Marconi Slough, a relicted channel, and the present day meanders of a portion of section 27, in Township 1 South, Range 2 West, of the Fairbanks Meridian, in the State 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 special 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.

3/17/06 (Date)

(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT Anchorage, Alaska

The foregoing field notes of the dependent resurvey of portions of the subdivisional lines of Township 1 South, Range 2 West, and a portion of Cancelled U.S. Survey No. 436, Chena Townsite; and the survey of the median line of Marconi Slough, a relicted channel, and the present day meanders of a portion of section 27, in Township 1 South, Range 2 West, of the Fairbanks Meridian, in the State of Alaska, executed by Joshua J. Smail, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

April 14, 2006

(Deputy State Director for Cadastral Survey, Alaska)

CERTIFICATE OF TRANSCRIPT

BUREAU OF LAND MANAGEMENT Anchorage Alaska

I CERTIFY That the foregoing transsript of the field notes of the above described surveys in Township 1 South, Range 2 West, Fairbanks Meridian, Alaska, is a true copy of the original field notes.

(Date)

(Deputy State Director for Cadastral Survey, Alaska)