TOWNSHIPS 23 NORTH, RANGES 4, 5 AND 6 WEST, TOWNSHIPS 24 NORTH, RANGES 5 AND 6 WEST, OF THE SEWARD MERIDIAN, ALASKA

SURVEY OF A PORTION OF EXTERIOR BOUNDARIES

SIXTH STANDARD PARALLEL NORTH

Survey of portions of boundaries and subdivisions of T. 23 N., R. 4 W., and 5 W., and T. 24 N., R. 5 W., lying east of Suitsina River, including the members of the left bank thereof, surveyed by V. E. Wilhelm and E. D. Calvin in 1937.

Survey of Sixth Standard Parallel North through Rs. 5 and 6 W., west boundary of T. 23 and 24 R., R. 6 W., and south boundary of T. 23 R., Rs. 5 and 6 W., including the corner to southerly corner of sec. 6 and 31, T. 22 and 23 R., R. 6 W., Seward Meridian, Alaska, executed by Robert B. Spett and Jerry R. Harris, July 6 to 23, 1960, under special instructions for Group 100, Alaska, dated June 6, 1960, pursuant to the provisions of the Act of July 7, 1955, 72 Stat. 539.

Reference will be made to field notes for bearings and distance ties between boundary monuments, reference and azimuth stations, and triangulation and control network.

Area Surveyed

- Gross Area: 88,280.82 Acres
- Less area in bed of the Suitsina River: 5,706.60 Acres
- Net Area: 82,574.22 Acres

The gross area surveyed embraces the unshaded portions of the townships lying west of the left and east bank of the Suitsina River; the area shown hereon being exclusive of the water area of said river as shaded hereon but inclusive of the islands in place therein which were in existence at the time of survey.

As protracted herein each of the described townships included in this survey (areas west of the left bank of Suitsina River) contains acreages as follows:

<table>
<thead>
<tr>
<th>Township</th>
<th>Gross Area</th>
<th>Less River Bed</th>
<th>Net Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. 23 R. R. 4 W.</td>
<td>890.30 Acres</td>
<td>871.00 Acres</td>
<td>19.30 Acres</td>
</tr>
<tr>
<td>T. 23 R. R. 5 W.</td>
<td>20,610.12 Acres</td>
<td>20,156.00 Acres</td>
<td>454.12 Acres</td>
</tr>
<tr>
<td>T. 24 R. R. 5 W.</td>
<td>18,790.19 Acres</td>
<td>18,790.19 Acres</td>
<td>0.00 Acres</td>
</tr>
<tr>
<td>T. 23 R. R. 6 W.</td>
<td>22,877.04 Acres</td>
<td>22,877.04 Acres</td>
<td>0.00 Acres</td>
</tr>
<tr>
<td>T. 24 R. R. 6 W.</td>
<td>22,811.97 Acres</td>
<td>22,811.97 Acres</td>
<td>0.00 Acres</td>
</tr>
</tbody>
</table>


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Washington, D.C. October 16, 1961

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

For the Director

[Signature]

Chief, Division of Surveying
FIELD NOTES
OF
THE SURVEY OF THE
SIXTH STANDARD PARALLEL NORTH
THROUGH RANGES 5 AND 6 WEST

WEST BOUNDARIES OF TOWNSHIPS 23 AND 24 NORTH,
RANGES 6 WEST

SOUTH BOUNDARIES OF TOWNSHIPS 23 NORTH,
RANGES 5 AND 6 WEST

Of the ........................... SEWARD ....................... Meridian,
In the State of ....................... ALASKA .......................

EXECUTED BY

HOBART B. HYATT, SUPERVISORY CADAstral SURVEYOR

JERRY R. HARRIS, SUPERVISORY CADAstral SURVEYOR

Under special instructions dated .......... JUNE 6 ........................, 1960, which provided
for the surveys included under Group No. 100 ...., approved JUNE 6, 1960

Survey commenced ......... JULY 6 ................., 1960
Survey completed .......... JULY 19 ................., 1960
Monuments of this survey that were established under the supervision of Hubert S. Hyett.

- Monuments established by Theodore P. Koeberle
- Monuments established by Harold O. Temme
- Monuments established by Jim H. Tyer
- Control monuments established by Jerry R. Harris
Diagram showing horizontal control established for the survey of the north standards parallel north through ranges 3 and 8 west. The west boundaries of T31 S and 26 N, R3 E W, and the north boundaries of T23 N, R5 S, and 8 W. For numbers in brackets refer to field note pages giving description.
Sixth Standard Parallel North, Seward Meridian, Ranges 5 and 6 West

<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
<tbody>
<tr>
<td>This survey establishes the Sixth Standard Parallel North through Ranges 5 and 6 West.</td>
</tr>
</tbody>
</table>

Preceding the establishment of the monuments on the lines above mentioned, random control stations were established and monumented in the vicinity of the monuments to be established on the lines. The geographic positions of the control stations were determined by connecting them to the triangulation network of the U. S. Coast and Geodetic Survey and of the U. S. Geological Survey, using theodolites for angular measurements, and electronic instruments for distance measurements. Traverses were then run by conventional transit and tape methods to the predetermined proper geographic positions for the rectangular survey system monuments.

The field note record is prepared in the conventional manner, from monument to monument along the lines of the boundaries being established. This is done to lend continuity to the field note record, although, unless otherwise stated in these notes, no line was actually surveyed on the ground between the boundary monuments. Calculated courses and distances between consecutive monuments are given.

The relative positions of points along the lines to be established, and of existing triangulation control to be used, were precomputed with reference to the position for the initial point of the Seward Meridian.

Latitude 60° 07' 36.9500' N., Longitude 149° 21' 26.008' W.

Angular measurements for control were made using three theodolites, manufactured by Wild, their T2 designation, serial numbers 55299, 57261, and 57964. Distance measurements for control were made with electronic instruments manufactured by Tellurometer, serial numbers MA-323, RA-420, and RA-453. All instruments were in good condition and proper adjustment at all times during the survey. Horizontal sea level distances, as given in these field notes, were reduced from slope measurements obtained with these instruments. Vertical angles, where practicable, were taken at each end of the sight. The difference attributable to curvature of the earth and refraction were taken into account in those instances where it was impracticable to read both vertical angles. Horizontal angles are the average of three direct and three inverted telescope sightings and readings.

Wherever possible, the control stations were established from two separate primary control points. Those control stations which could not be so established were checked by making an additional independent set of distance and angular measurements.

The word Copperweld, as used in these notes, is the trade name for a 36 in. long, 9/16 in. diam., copper-coated steel rod, capped with a 1/2 in. brass cap.

The magnetic declination was not measured. Information from recent mapping sources indicates an average value of 27° E.

Triangulation stations of the U. S. Coast & Geodetic Survey, and of the Geological Survey, used as primary control and starting points for establishment of the control are given in the following tabulation. The geographic positions given are from publications or data of the establishing survey.

U. S. C. & G. S. Willow, 1922

Lat., 61° 53' 08.130' N., Long. 149° 41' 51.621' W.
Sixth Standard Parallel North, Seward Meridian, Ranges 5 and 6 West

Chains

Lat., 62° 04' 48.641" N., Long. 149° 40' 29.905" W.

U. S. G. S. Yenlo, 1954
Lat., 62° 08' 55.800" N., Long., 151° 16' 08.840" W.

U. S. G. S. Little, 1954
Lat., 62° 18' 27.088" N., Long., 150° 50' 35.79" W.

The following two monuments were established as additional control points.

On a knoll on the southwest end of Little Peter Hills

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam.,
20 ins. in the ground, and in a mound of stone, with brass cap mkd.

T25N
R8W
S6
1960

Latitude 62° 17' 28.65" N., Longitude 150° 49' 01.39" W.

from which

USGS triangulation station Little, 1954, bears N. 36° 56' 10" W., (back bearing S. 36° 57' 33" E.), 112.52 chs. dist.

USGS triangulation station Yenlo, 1954, bears S. 56° 10' 33" W., (back bearing N. 55° 46' 34" E.), 1410.52 chs. dist.

On a bare rocky knoll on the south end of Little Peter Hills

Set a Copperweld monument, 26 ins. in the ground, with brass cap mkd.

T25N
R9W
S1
1960

Lat., 62° 17' 23.80" N., Long., 150° 49' 42.79" W.

from which

USGS triangulation station Little, 1954, bears N. 21° 17' 42" W., (back bearing S. 21° 18' 30" E.), 104.53 chs. dist.

Control monument in T25N., R8W., S6, above described, bears
N. 75° 52' 24" E., (back bearing S. 75° 53' 05" W.), 30.60
chs. dist.
Beginning at the point for the meander cor. of secs. 1 and 31, Tps. 24 and 25 N., Rs. 4 and 5 W., on the east bank of the Susitna River, the corner point fails in a river channel and the monument has been destroyed. This point is re-established from existing original corners which are accepted as the best existing evidence of the position of the original cor.

from this point

The closing cor. of T. 24 N., Rs. 4 and 5 W., monumented with an iron post, 2 ins. diam., and extending 12 ins. above ground, firmly set and mkd. as described in the official record, bears East, 14°.01 chs. dist. This cor. is located on the easterly edge of the right-of-way clearing for the Alaska Railroad approximately 5 chs. northerly of railroad point of curvature.

WEST, on the calculated course of the Stan. Par.

25.36

Calculated point for the witness point between secs. 1 and 36 on the standard parallel. The corner falls on the easterly portion of an island in the Susitna River, thus established:

Occupying USC & GS triangulation Station "Montana", sighting Station "Willow" turn a true forward bearing of N. 56° 23' 04" W., (back bearing S. 56° 46' 56" E.) and at an electronically measured distance of 1399.31 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T2SN R5W S36 1960.

Lat., 62° 13' 09.40" N., Long., 150° 07' 32.11" W.

from which

USC & GS triangulation Station "Willow" bears S. 31° 13' 54" E., (back bearing N. 30° 51' 18" W.) 2157.79 chs. dist. This tie made for closure purposes.

Occupying the Copperweld monument mkd. T2SN R5W S36 1960, sighting Station "Montana" turn a true forward bearing of S. 48° 27' 33" E., (back bearing N. 48° 26' 30" W.), and at an electronically measured distance of 67.59 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T2SN R5W S36B AZ 1960.

Lat., 62° 12' 40.27" N., Long., 150° 06' 21.70" W.

From the Copperweld monument mkd. T2SN R5W S36B AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 0° 18' 40" E., 25.43 chs. to the calculated point for the witness point between secs. 1 and 36, on the Par.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone with brass cap mkd.

T2SN  R5W
WP
S36
S1
T24N
1960

Lat., 62° 12' 23.75" N., Long., 150° 06' 21.89" W.
Sixth Standard Parallel North Through Range 5 West

Chains

Continue WEST on the calculated course of the Stan. Par.

47.96

Calculated point for the standard \( \frac{1}{4} \) sec. cor. of sec. 36 falls on an island in the Susitna River, thus established:

Occupying Copperweld monument mkd. T25N RSW S36 AZ 1960, sighting Station "Montana" turn a true forward bearing of S. 21° 52' 28" E., (back bearing N. 21° 52' 28" W.) and at an electronically measured distance of 69.62 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T25N RSW S36C AZ 1960.

Lat., 62° 12' 27.42" N., Long., 150° 06' 56.00" W.

From the monument mkd. T25N RSW S36C AZ 1960, run a random traverse resulting in a calculated bearing of S. 18° 38' E., 5.96 chs. to the calculated point for the standard \( \frac{1}{4} \) sec. cor. of sec. 36.

Set an iron post, no concrete core, 28 ins. long, 2\( \frac{1}{2} \) ins. diam., 20 ins. in the ground, with brass cap mkd.

\[
\begin{align*}
\text{SC} & \\
\text{T25N RSW} & \\
\frac{1}{4} \text{ S36} & \\
1960 & 
\end{align*}
\]

Lat., 62° 12' 23.75" N., Long., 150° 06' 53.35" W.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. 3 ft. dist.

From the standard \( \frac{1}{4} \) sec. cor. of sec. 36.

WEST, on the Stan. Par. on true line, beginning new measurement.

13.37

Point for the meander cor. of secs. 1 and 36, on the right bank of the Susitna River. Not monumented due to liability to destruction by ice and water action.

14.37

Point for the witness meander cor. of secs. 1 and 36.

Set an iron post, no concrete core, 28 ins. long, 2\( \frac{1}{2} \) ins. diam., 24 ins. in the ground, with brass cap mkd.

\[
\begin{align*}
\text{T25N RSW} & \\
\text{S36} & \\
\text{WC} & \\
\text{T24N ST} & \\
\text{MC} & \\
1960 & 
\end{align*}
\]

Lat., 62° 12' 23.75" N., Long., 150° 07' 13.34" W.

from which

A birch, 24 ins. diam., bears S. 13° E., 32 lbs. dist., mkd. X BT.

A spruce, 14 ins. diam., bears N. 47° W., 37 lbs. dist., mkd. X BT.

A Copperweld monument, mkd. T25N RSW S36 AZ 1960, hereinbefore described, bears N. 10° 51' 45" W., (back bearing, S. 10° 51' 56" E.), 71.54 chs. dist.

WEST, on the calculated course of the Stan. Par. continuing measurement.
Sixth Standard Parallel North Through Range 5 West

Claim 138.28

Calculated point for the ½ sec. cor. of sec. 3, thus established,

Occupying USC & GS triangulation Station "Montana" sighting Station "Willow" turn a true forward bearing of N. 60° 32' 56" W., (back bearing S. 60° 59' 01" E.) and at an electronically measured distance of 1462.78 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T25N RSW S34 AZ 1960.

Lat., 62° 12' 32.84" N., Long., 150° 10' 02.53" W.,

From which

USC & GS triangulation Station "Willow" bears S. 34° 28' 59" E., (back bearing N. 34° 04' 10" W.) 2169.06 chs. dist. This tie made for closure purposes.

From the monument mkd. T25N RSW S34 AZ 1960, run a random traverse resulting in a calculated bearing of S. 9° 25' 20" W., 14.18 chs. to the calculated point for the ½ sec. cor. of sec. 3.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

\[ T24N S33 RSW \]

1960

Lat., 62° 12' 23.75" N., Long., 150° 10' 05.76" W.,

from which

A spruce, 5 ins. diam., bears S. 66° E., 33 lks. dist., mkd. ½ S3 BT.

A birch, 8 ins. diam., bears S. 27° W., 17 lks. dist., mkd. ¼ S3 BT.

WEST, on the calculated course of the Stan. Par., beginning new calculated distance.

Claim 160.00

Calculated point for the ½ sec. cor. of sec. 5, thus established,

Occupying USC & GS triangulation Station "Montana" sighting Station "Willow" turn a true forward bearing of N. 63° 53' 58" W., (back bearing S. 64° 23' 30" E.) and at an electronically measured distance of 1605.16 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station with cap mkd. T24N RSW S5 AZ 1960.

Lat., 62° 12' 23.73" N., Long., 150° 13' 55.70" W.,

from which

USC & GS triangulation Station "Willow" bears S. 38° 14' 57" E., (back bearing N. 37° 46' 37" W.) 2257.18 chs. dist. This tie made for closure purposes.
From the monument mkd. T24N RSW S5 AZ 1960, run a random traverse resulting in a calculated bearing of N. 89° 45' 15" E., 5.26 chs. to the calculated point for the 1/4 sec. cor. of sec. 5.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

\[ \text{1/4 S5} \]

T24N RSW

1960

Lat., 62° 12' 23.75" N., Long., 150° 13' 48.40" W.

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

WEST, on the calculated course of the Stan. Par. beginning new calculated distance.

Calculated point for the standard cor. of secs. 31 and 32, in a swampy area approximately 1/2 chs. north of a lake, thus established,

Occupying USC & GS triangulation Station "Montana" sighting Station "Willow" turn a true forward bearing of N. 65° 17' 58" W., (back bearing S. 65° 48' 51" E.) and at an electronically measured distance of 1660.06 chs.,

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth monument with cap mkd. T24N RSW S6 AZ 1960.

Lat., 62° 12' 15.00" N., Long., 150° 15' 28.38" W.

from which

USC & GS triangulation Station "Willow" bears S. 39° 43' 42" E., (back bearing N. 39° 17' 44" W.) 2288.69 chs. dist. This tie made for closure purposes.

From the monument mkd. T24N RSW S6 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 36° 57' 40" E., 16.85 chs. to the calculated point for the standard cor. of secs. 31 and 32.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

\[ \text{SC} \]

T25N RSW

S31 | S32

1960

Lat., 62° 12' 23.75" N., Long., 150° 15' 14.28" W.

from which

A spruce, 5 ins. diam., bears S. 5° E., 3.42 chs. dist., mkd. X BT.

WEST, on the calculated course of the Stan. Par., beginning new calculated distance.
Sixth Standard Parallel North Through Range 5 West

Chains
52.85
Calculated point for the corner of T. 24 N., Rs. 5 and 6 W., not monumented.

Lat., 62° 12' 23.75" N., Long., 150° 16' 27.83" W.

WEST, on the calculated course of the Stan. Par. beginning new calculated distance.

27.15
Calculated point for the Stan. cor. of T. 25 N., Rs. 5 and 6 W., not monumented.

Land, nearly level.
Soil, sandy loam.
Undergrowth, alder and willow.
Timber, spruce and birch.

SIXTH STANDARD PARALLEL NORTH THROUGH RANGE 6 WEST

From the point for the Stan. cor. of T. 25 N., Rs. 5 and 6 W., not monumented.

WEST, on the calculated course of the Stan. Par. beginning new calculated distance.

120.00
Calculated point for the standard ¼ cor. of secs. 35, in dense timber and alder undergrowth, thus established.

Occupying an iron post, mkd. T25N R8W S6 1960, here-inbefore described and sighting Station "Little" turn a true forward bearing S. 71° 58' 24" E., (back bearing N. 21° 32' 27" W.) and at an electronically measured distance of 1329.39 chs.

Set a Copperweld monument, 26 ins. in the ground, for a reference and azimuth control station, with cap mkd. T25N R6W S35 AZ 1960.

Lat., 62° 12' 58.23" N., Long., 150° 19' 41.78" W.

From the Copperweld monument mkd. T25N R6W S35 AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 8° 18' 50" W., 53.63 chs. to the calculated point for the standard ¼ sec. cor. of sec. 35.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T25N R6W

SC S35

1960

Lat., 62° 12' 23.75" N., Long., 150° 19' 52.58" W.

from which

A birch, 12 ins. diam., bears N. 46° E., 23 lks. dist., mkd. SC ¼ S35 BT.

A birch, 6 ins. diam., bears N. 60° W., 39 lks. dist., mkd. SC ¼ S35 BT.

USGS triangulation Station "Little" bears N. 66° 51' 13" W., (back bearing S. 67° 18' 25" E.) 1435.78 chs. dist.

From the standard ¼ sec. cor. of sec. 35 by random traverse resulting in a calculated bearing and distance as follows:
Sixth Standard Parallel North Through Range 6 West

<table>
<thead>
<tr>
<th>Chains</th>
<th>WEST, on the Stan. Par.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.85</td>
<td>Point for the cor. of secs. 2 and 3.</td>
</tr>
<tr>
<td></td>
<td>Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 20 ins. in the ground with brass cap mdk.</td>
</tr>
<tr>
<td></td>
<td>T25N R6W</td>
</tr>
<tr>
<td></td>
<td>S35</td>
</tr>
<tr>
<td></td>
<td>S3</td>
</tr>
<tr>
<td></td>
<td>T24N R6W</td>
</tr>
<tr>
<td></td>
<td>1960</td>
</tr>
<tr>
<td></td>
<td>Lat., 62° 12' 23.75'' N., Long., 150° 20' 10.46'' W.</td>
</tr>
</tbody>
</table>

from which

A spruce, 6 ins. diam., bears S. 20 1/2° E., 50 lks. dist., mdk. T24N R6W S2 BT.

A spruce, 10 ins. diam., bears S. 42° W., 25 lks. dist., mdk. T24N R6W S3 BT.

A spruce, 8 ins. diam., bears N. 54 1/2° W., 14 lks. dist., mdk. T25N R6W S35 BT.


<table>
<thead>
<tr>
<th>Chains</th>
<th>WEST, on the calculated course of the Stan. Par., beginning new calculated distance.</th>
</tr>
</thead>
<tbody>
<tr>
<td>187.15</td>
<td>Calculated point for the standard cor. of secs. 32 and 33, thus established,</td>
</tr>
</tbody>
</table>

Occupying USC & GS triangulation Station "Montana" sighting Station "Willow" turn a true forward bearing of N. 70° 06' 26'' W., (back bearing S. 70° 45' 50'' E.) and at an electronically measured distance of 2045.25 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station with cap mdk. T24N R6W S5 AZ 1960.

<table>
<thead>
<tr>
<th>Chains</th>
<th>Lat., 62° 12' 13.69'' N., Long., 150° 25' 05.85'' W.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>from which</td>
</tr>
<tr>
<td></td>
<td>USC &amp; GS triangulation Station &quot;Willow&quot; bears S. 47° 04' 21'' E., (back bearing N. 46° 26' 13'' W.) 2573.10 chs. dist. This tie made for closure purposes.</td>
</tr>
</tbody>
</table>

From the Copperweld monument mdk. T24N R6W S5 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 58° 22' 30'' E., 29.52 chs. to the calculated point for the standard cor. of secs. 32 and 33.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mdk.

<table>
<thead>
<tr>
<th>Chains</th>
<th>SC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>T25N R6W</td>
</tr>
<tr>
<td></td>
<td>S32 S33</td>
</tr>
<tr>
<td></td>
<td>1960</td>
</tr>
</tbody>
</table>
Sixth Standard Parallel North Through Range 6 West

<table>
<thead>
<tr>
<th>Chains</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lat., 62° 12' 23.75'' N., Long., 150° 24' 30.88'' W.</td>
<td></td>
</tr>
<tr>
<td>from which:</td>
<td></td>
</tr>
<tr>
<td>A spruce, 7 ins. diam., bears N. 69° E., 120 lks. dist., mkd. T25N R6W S33 BT.</td>
<td></td>
</tr>
</tbody>
</table>

From the standard cor. of secs. 32 and 33 by random traverse resulting in a calculated bearing and distance as follows:

WEST, on the Stan. Par.,

11.96
Point for the witness 1/2 sec. cor. of sec. 5.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>W</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>T24N R6W</td>
</tr>
<tr>
<td>1960</td>
<td></td>
</tr>
</tbody>
</table>

Lat., 62° 12' 23.75'' N., Long., 150° 24' 47.51'' W.

from which:


Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

12.85
Point for the 1/2 sec. cor. of sec. 5. This point falls in marsh, not monumented.

WEST, on calculated course of the Stan. Par., beginning new calculated distance.

114.58
Calculated point for the cor. of T. 24 N., Rs. 6 and 7 W., thus established.

Occupying USC & GS triangulation Station "Montana", sighting Station "Willow" turn a true forward bearing of N. 69° 37' 40'' W., (back bearing S. 70° 19' 28'' E.) and at an electronically measured distance of 2175.93 chs.

Set a Copperweld monument, 26 ins. in the ground, for a reference and azimuth control station with cap mkd. T25N R6W S31 AZ 1960.

Lat., 62° 12' 52.79'' N., Long., 150° 27' 49.14'' W.

From the Copperweld monument mkd. T25N R6W S31 AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 18° 37' 00'' E., 47.14 chs. to the calculated point for the cor. of T. 24 N., Rs. 6 and 7 W.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>T25N R6W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S31</td>
</tr>
<tr>
<td>S6</td>
</tr>
<tr>
<td>R7W</td>
</tr>
<tr>
<td>R6W</td>
</tr>
<tr>
<td>T24N</td>
</tr>
<tr>
<td>1960</td>
</tr>
</tbody>
</table>

Lat., 62° 12' 23.75'' N., Long., 150° 27' 28.19'' W.
Sixth Standard Parallel North Through Range 6 West

<table>
<thead>
<tr>
<th>Claims from which</th>
</tr>
</thead>
<tbody>
<tr>
<td>A birch, 10 ins. diam., bears S. 50° E., 26 lks. dist., mkd. T24N R6W S6 BT.</td>
</tr>
<tr>
<td>A spruce, 8 ins. diam., bears S. 22° W., 13 lks. dist., mkd. T24N R7W S1 BT.</td>
</tr>
<tr>
<td>A spruce, 7 ins. diam., bears N. 45° W., 12 lks. dist., mkd. T25N R6W S31 BT.</td>
</tr>
</tbody>
</table>

WEST. on the Stan. Par. on the true line, beginning new measurement.
32.57
Point for the standard corner of T. 25 N., Rs. 6 and 7 W.

Set an iron-post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

```
SC
T25N
R7W  R6W
S36  S31
1960
```


from which

```
A spruce, 8 ins. diam., bears N. 70° E., 13 lks. dist., mkd. T25N R6W S31 BT.
A spruce, 4 ins. diam., bears N. 50° W., 28 lks. dist., mkd. T25N R7W S36 BT.
```

Land, nearly level.
Soil, sandy loam.
Timber, spruce and birch.
Undergrowth, alder and willow.

West Boundary, T. 23 N., R. 6 W., S.M.

Beginning at the calculated point for the cor. of Ts. 22 and 23 N., Rs. 6 and 7 W.; thus established.

Occupying USC & GS triangulation Station "Willow" sighting Station "Montana" turn a true forward bearing of N. 66° 21' 23" W., (back bearing, S. 67° 01' 31" E.), and at an electronically measured distance of 2153.29 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T23N R6W S31 AZ 1960.

```
```

From the Copperweld monument mkd. T23N R6W S31 AZ 1960, run a random traverse resulting in a calculated bearing of S. 8° 19' 20" W., 34.01 chs. to the calculated point for the cor. of Tps. 22 and 23 N. Rs. 6 and 7 W.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

```
T23N
R7W  R6W
S36  S31
S1   S6
T22N  S6
1960
```

```
Lat., 62° 01' 59.941" N., Long., 150° 27' 28.191" W.
```
West Boundary, T. 23 N., R. 6 W., S.M.

Chains from which

A spruce, 5 ins. diam.; bears N. 65° 15' E., 35 lks. dist., mkd. T23N R6W S31 BT.

A birch, 10 ins. diam.; bears S. 34° E., 34½ lks. dist., mkd. T22N R6W S6 BT.

A spruce, 6 ins. diam.; bears S. 80° 15' W., 36 lks. dist., mkd. T22N R7W S1 BT.

A spruce, 6 ins. diam.; bears N. 28° 15' W., 23 lks. dist., mkd. T23N R7W S36 BT.

NORTH, on the calculated course, bet. Rs. 6 and 7 W., beginning new calculated distance.

40.00 Calculated point for the ¼ sec. cor. of secs. 31 and 36, thus established:

From the Copperweld monument mkd., T23N R6W S31 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 37° 46' W., 8.03 chs. to the calculated point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

\[
\begin{align*}
& \text{T23N} \\
& \text{R7W} \text{ R6W} \\
& \frac{1}{4} \text{ S36|S31} \\
\end{align*}
\]

1960

Latitude = 62° 02' 25.93" N., Longitude = 150° 27' 28.19" W.

from which

A birch, 10 ins. diam.; bears S. 63° 15' E., 31 lks. dist., mkd. ¼ S31 BT.

A birch, 4 ins. diam.; bears S. 19° 00' W., 38 lks. dist., mkd. ¼ S36 BT.

NORTH, on the calculated course, bet. Rs. 6 and 7 W., beginning new calculated distance.

135.02 Calculated point for the witness point bet. secs. 19 and 24 on the west bdy. of the Tp., thus established:

Occupying USC & GS triangulation Station "Montana", sighting Station "Willow" turn a true forward bearing of S. 87° 58' 02" W., (back bearing, N. 87° 16' 35" E.) and at an electronically measured distance of 2038.26 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station with cap mkd. T23N R7W S24 AZ 1960.

Latitude 62° 03' 53.67" N. Longitude 150° 27' 31.20" W.

from which
West Boundary, T. 23 N., R. 6 W., S.M.

Chains

USC & GS triangulation Station "Willow" bears S. 63° 44' 12" E., (back bearing, N. 63° 03' 54" W.), 2218.66 chs. dist. This tie made for closure purposes.

From the Copperweld monument mkd. T23N R7W S24 AZ 1960, run a random traverse resulting in a calculated bearing and distance of East, 2.18 chs. to the calculated point for the witness point bet. secs. 19 and 24.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T23N
R7W  R6W
S24  S19
WP
1960

Latitude = 62° 03' 53.66" N. Longitude = 150° 27' 28.19" W.

from which

A spruce, 4 ins. diam., bears S. 9° W., 260 lbs. dist., mkd. with a blaze on N. side.

A spruce, 4 ins. diam., bears N. 50½° W., 143 lbs. dist., mkd. X BT.

NORTH, on the calculated course bet. Rs. 6 and 7 W., continuing calculated distance.

Calculated point for the cor. of secs. 1, 6, 7 and 12, thus established:

occupying an iron post monument mkd., T25N R8W S6 1960, and sighting Station "Little" turn a true forward bearing of S. 42° 30' 09" E., (back bearing, N. 42° 10' 48" W.), and at an electronically measured distance of 1400.15 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T23N R6W S7 AZ 1960.

Lat., 62° 06' 16.16" N., Long., 150° 27' 09.48" W.

From the Copperweld monument mkd., T23N R6W S7 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 67° 07' W., 14.62 chs. to the calculated point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T23N
R7W  R6W
S1   S6
S12  S7

1960

Latitude = 62° 06' 19.86" N. Longitude = 150° 27' 28.19" W.
West Boundary, T. 23 N., R. 6 W., S.M.

from which

A spruce, 5 ins. diam., bears S. 29° E., 215 lks. dist., mkd. T23N R6W S7 BT.

A spruce, 5 ins. diam., bears S. 13° W., 226 lks. dist., mkd. T23N R7W S12 BT.

The top peak of Mt. McKinley bears N. 14° W.

NORTH, on the calculated course bet Rs. 6 and 7 W., beginning new calculated distance.

80.00

Calculated point for the cor. of Tps. 23 and 24 N., Rs. 6 and 7 W., not monumented.

Latitude = 62° 07' 11.84" N. Longitude = 150° 27' 28.19" W.

Land, nearly level.
Soil, sandy loam.
Timber, spruce and birch.
Undergrowth, alder and willow.

West Boundary, Tp. 24 N., R. 6 W., S. M.

From the cor. of Tps. 23 and 24 N., Rs. 6 and 7 W.

NORTH, on the calculated course, bet. Rs. 6 and 7 W., beginning new calculated distance.

40.00

Calculated point for the ½ sec. cor. of secs. 31 and 36, thus established:

Occupying USC & GS triangulation Station "Montana" sighting Station "Willow", turn a true forward bearing of N. 83° 09' 10" W., (back bearing, S. 83° 50' 13" E.), and at an electronically measured distance of 2023.73 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T24N R6W S31 AZ 1960.

Latitude 62° 07' 17.63" N., Longitude 150° 26' 58.06" W.

From the Copperweld monument mkd. T24N R6W S31 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 34° 55' 10" W., 37.93 chs. to the calculated point for the ½ sec. cor. of secs. 31 and 36.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

\[
\begin{align*}
T24N & \\
R7W & \frac{1}{2} R6W \\
S36 & \frac{1}{2} S31 \\
1960 & \\
\end{align*}
\]

Latitude = 62° 07' 37.83" N. Longitude = 150° 27' 28.19" W.

from which
West Boundary, Tp. 24 N., R. 6 W., S.M.

A spruce, 7 ins. diam., bears N. 68° E., 178 lks. dist., mkd.
T24N R6W S31 BT.

A spruce, 6 ins. diam., bears S. 84° W., 56 lks. dist., mkd.
T24N R7W S36 BT.

From the ½ sec. cor. of secs. 31 and 36 by random traverse resulting in a calculated bearing and distance as follows:

NORTH, bet. Rs. 6 and 7 W.

40.00

Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>T24N</th>
<th>R7W</th>
<th>R6W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S25</td>
<td>S30</td>
<td></td>
</tr>
<tr>
<td>S36</td>
<td>S31</td>
<td></td>
</tr>
</tbody>
</table>

1960

Latitude = 62° 08' 03.89" N. Longitude = 150° 27' 28.19" W.

from which

A spruce, 7 ins. diam., bears N. 77° E., 44 lks. dist., mkd.
T24N R6W S30 BT.

A spruce, 5 ins. diam., bears S. 19° E., 42 lks. dist., mkd.
T24N R6W S31 BT.

A spruce, 3 ins. diam., bears S. 68° W., 109 lks. dist., mkd.
X BT.

T24N R7W S25 BT.

A Copperweld monument, mkd. T24N R6W S31 AZ 1960, bears S. 16° 58' 50" E., 74.34 chs. dist.

The witness cor. auxiliary meander cor. of U.S. Survey No. 3919 which is an iron post, 2½ ins. diam., mkd. and witnessed as described in the notes of U.S. Survey No. 3919, bears N. 54° 09' 11" W., (back bearing, S. 54° 13' 49" E.), 279.41 chs. dist.

NORTH, on the calculated course bet. Rs. 6 and 7 W., beginning new calculated distance.

240.00

Calculated point for the cor. of secs. 7, 12, 13 and 18 falls in lake, not monumented.

At a point, EAST, 10.00 chs. dist., on the east bank of the lake, select a point for the witness cor. to the cor. of secs. 7, 12, 13 and 18, thus established:

Occupying an iron post monument mkd., T25N R8W S6 1960, here-inbefore described, sighting USGS Station "Little" turn a true forward bearing of S. 56° 16' 21" E., (back bearing, N. 55° 56' 52" W.), and at an electronically measured distance of 1142.28 chs.
West Boundary, Tp. 24 N., R. 6 W., S.M.

Chains

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station with cap mkd. T24N R6W S18 AZ 1960.

Latitude 62° 10' 34.77" N. Longitude 150° 27' 00.75" W.

From the Copperweld monument mkd. T24N R6W S18 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 51° 40' W., 12.41 chs. to the calculated point for the witness cor. to the cor. of secs. 7, 12, 13 and 18.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T24N
R7W R6W
W S12 S7
C S13 S18
1960

Latitude = 62° 10' 39.78" N. Longitude = 150° 27' 14.29" W.
from which

A spruce, 8 ins. diam., bears N. 77 1/2° E., 97 lbs. dist., mkd. WC T24N R6W S7 BT.

A spruce, 4 ins. diam., bears S. 56 1/2° E., 77 lbs. dist., mkd. X BT.

From the point for the cor. of secs. 7, 12, 13 and 18.

NORTH, on the calculated course, bet. Rs. 6 and 7 W., beginning new calculated distance.

160.00

The cor. of T. 24 N., Rs. 6 and 7 W.

Land, nearly level.
Soil, sandy loam.
Timber, spruce and birch.
Undergrowth, alder and willow.

South Boundary T. 23 N., R. 5 W., S.M.

Beginning at the calculated point for the cor. of Tps. 22 and 23 N., Rs. 4 and 5 W., falls in Susitna River. Not monumented.

Latitude = 62° 01' 59.93" N. Longitude = 150° 05' 27.46" W.
from which

The meander cor. of secs. 6 and 31, Tps. 22 and 23 N., R. 4 W., monumented with an iron post, 1 in. diam., firmly set, extending 10 ins. above the ground, mkd., and witnessed as described in the official record of the 1917 survey, bears S. 58° 09' E., 1.22 chs. dist.

Thence WEST, on the calculated course bet. Tps. 22 and 23 N., R. 5 W., beginning new calculated measurement.
South Boundary, T. 23 N., R. 5 W., S.M.

Calculated point for the ¼ sec. cor. of secs. 1 and 36, falls in slough, not monumented.

Latitude = 62° 01' 59.94" N. Longitude = 150° 06' 22.80" W.

At a point, SOUTH, 0.24 chs. dist., on a timbered island, establish witness ¼ sec. cor. of secs. 1 and 36, thus established:

Occupying USC & GS triangulation Station 'Montana', sighting Station 'Willow', turn a true forward bearing of S. 79° 08' 29" W., (back bearing, N. 78° 44' 38" E.), and at an electronically measured distance of 1191.86 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control monument mkd. T23N R5W S35 AZ 1960.

Latitude 62° 02' 20.10" N., Longitude 150° 07' 29.72" W. from which

USC & GS triangulation Station 'Willow' bears S. 52° 52' 08" E., (back bearing, N. 52° 29' 33" W.), 1401.12 chs. dist. This tie made for closure purposes.

Occupying the Copperweld monument mkd., T23N R5W S35 AZ 1960, sighting Station 'Montana' turn a true forward bearing of S. 49° 55' 08" E., (back bearing N. 49° 54' 10" W.), and at an electronically measured distance of 62.07 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and control monument mkd. T22N R5W S1 AZ 1960.

Latitude 62° 01' 53.87" N. Longitude 150° 06' 23.38" W. From the monument mkd. T22N R5W S1 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 2° 11' 55" E., 9.12 chs. to the calculated point for the witness cor. of ¼ sec. cor. of secs. 1 and 36.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

\[
\begin{array}{c|c}
WC & T23N R5W \\
\hline
\frac{1}{4} & S36 \\
\hline
& T22N \\
\hline
& 1960
\end{array}
\]

Latitude = 62° 01' 59.94" N. Longitude = 150° 06' 22.80" W. from which

A cottonwood, 12 ins. diam., bears N. 74° 28' E., 65 lbs. dist., mkd. X BT.

A cottonwood, 10 ins. diam., bears S. 69° 28' E., 98 lbs. dist., mkd. X BT.

Chains

From the point for the \( \frac{1}{4} \) sec. cor. of secs. 1 and 36.

WEST, on the calculated course bet. Tps. 22 and 23 N., R. 5 W., beginning new calculated distance.

47.89

Calculated point for the witness point bet. secs. 2 and 35, thus established:

From the Copperweld monument mkd., T23N RSW S35 AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 0° 51' 10" E., 31.04 chs. to the calculated point for the witness point bet. secs. 2 and 35.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T23N RSW

\[
\begin{array}{c}
S35 \\
S2 \\
WP \\
1960
\end{array}
\]

Latitude = 62° 01' 59.94'' N. Longitude = 150° 07' 29.07'' W.

From which

A cottonwood, 24 ins. diam., bears N. 25° E., 70 lks. dist., mkd. X BT.

A cottonwood, 30 ins. diam., bears S. 30° W., 30 lks. dist., mkd. X BT.

88.95

Calculated point for the meander cor. of secs. 2 and 35 on the right bank of the Susitna River. Not monumented due to liability to destruction from ice and water action.

90.45

Calculated point for the witness meander cor. of secs. 2 and 35. This point is located 60 ft. above the mean high water line and 25 ft. below the top of river bank, thus established:

Occupying a Copperweld monument mkd. T23N RSW S35 AZ 1960, sighting Station "Montana", turn a true forward bearing of S. 63° 26' 43" W., (back bearing, N. 63° 26' 09' E.), and at an electronically measured distance of 32.35 chs.


Latitude 62° 02' 10.71'' N. Longitude 150° 08' 09.76'' W.

From the Copperweld monument mkd. T23N RSW S35B AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 38° 26' 30" W., 21.15 chs. to the calculated point for the witness meander cor. of secs. 2 and 35.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T23N RSW

\[
\begin{array}{c}
S35 / \text{WC} \\
S2 / \text{MC} \\
T22N \\
1960
\end{array}
\]
South Boundary, T. 23 N., R. 5 W., S.M

Latitude = 62° 01' 59.94" N. Longitude = 150° 08' 27.95" W.

from which
A spruce, 24 ins. diam., bears S. 55° W., 68 lks. dist., mkd. X BT.

A birch, 26 ins. diam., bears N. 54° W., 80 lks. dist., mkd. X BT.


Calculated point for the 1/4 sec. cor. of secs. 4 and 33, thus established:

Occupying USC & GS triangulation Station 'Willow', sighting Station 'Montana', turn a true forward bearing of N. 57° 46' 46" W., (back bearing, S. 58° 13' 10" E.), and at an electronically measured distance of 1535.21 chs.

Set a Copperweld monument 26 ins. in the ground, for a reference and azimuth control monument mkd. T22N R5W S4 AZ 1960.

Latitude 62° 01' 56.79" N. Longitude 150° 11' 48.56" W.

From the Copperweld monument mkd. T22N R5W S4 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 43° 17' W., 6.66 chs. to the calculated point for the 1/4 sec. cor. of secs. 4 and 33.

Set an iron post, no concrete core, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

\[
\begin{array}{c}
T23N \\
\frac{1}{4} S33 \\
\frac{5}{4} S4 \\
T22N \\
1960
\end{array}
\]

Latitude = 62° 01' 59.94" N. Longitude = 150° 11' 54.86" W.

from which
A spruce, 10 ins. diam., bears N. 25° E., 14 lks. dist., mkd. \( \frac{1}{4} \) S33 BT.

A spruce, 6 ins. diam., bears S. 44° W., 30 lks. dist., mkd. \( \frac{1}{4} \) S4 BT.

WEST, on the calculated course bet. Tps. 22 and 23 N., R. 5 W., beginning new calculated distance.

Calculated point for the cor. of secs. 5, 6, 31 and 32, thus established

Occupying USC & GS triangulation Station 'Willow', sighting Station 'Montana', turn a true forward bearing of N. 59° 44' 32" W., (back bearing, S. 60° 13' 13" E.), and at an electronically measured distance of 1633.47 chs.
South Boundary, T. 23 N., R. 5 W., S.M

<table>
<thead>
<tr>
<th>Chains</th>
</tr>
</thead>
</table>

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control monument mkd. T22N R5W S5 AZ 1960.

Latitude 62° 01' 59.16" N. Longitude 150° 14' 23.77" W.

From the Copperweld monument mkd., T22N R5W S5 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 84° 28' W., 12,45 chs. to the calculated point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>T23N</th>
<th>R5W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S31</td>
<td>S32</td>
</tr>
<tr>
<td>S6</td>
<td>S5</td>
</tr>
<tr>
<td>T22N</td>
<td></td>
</tr>
<tr>
<td>1960</td>
<td></td>
</tr>
</tbody>
</table>

Latitude = 62° 01' 59.94" N. Longitude = 150° 14' 40.89" W.

from which

A birch, 14 ins. diam., bears N. 49° E., 46 lks. dist., mkd. T23N R5W S32 BT.

A birch, 7 ins. diam., bears S. 57° E., 15 lks. dist., mkd. T22N R5W S5 BT.

A birch, 16 ins. diam., bears N. 8° W., 32 lks. dist., mkd. T23N R5W S31 BT.

From the cor. of secs. 5, 6, 31 and 32.

WEST, bet. Tps. 22 and 23 N., R. 5 W., on the true line, beginning new measurement.

Point for the ¼ sec. cor. of secs. 6 and 31.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>T23N</th>
<th>R5W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S31</td>
<td></td>
</tr>
<tr>
<td>S6</td>
<td></td>
</tr>
<tr>
<td>T22N</td>
<td></td>
</tr>
<tr>
<td>1960</td>
<td></td>
</tr>
</tbody>
</table>

Latitude = 62° 01' 59.94" N. Longitude = 150° 15' 36.23" W.

from which

A spruce, 6 ins. diam., bears S. 62° W., 17 lks. dist., mkd. T22N R5W S56 BT.

A spruce, 6 ins. diam., bears N. 50° W., 22 lks. dist., mkd. T23N R5W S31 BT.

South Boundary, T. 23 N., R. 5 W., S.M.

Chains

WEST, on the calculated course bef. Tps. 22 and 23 N., R. 5 W.,
beginning new calculated distance.

37.28

Calculated point for the cor. of Tps. 22 and 23 N., Rs. 5 and 6 W.,
thus established:

Occupying USC & GS triangulation Station "Montana", sighting
Station "Willow", turn a true forward bearing of S. 62° 27' 07" W., (back bearing, N. 81° 55' 01" E.), and at an elec-
tronically measured distance of 1592.03 chs.

Set a Copperweld monument, 26 ins. in the ground for a refer-
ence and azimuth control station with cap mkd., T23N R6W S36
AZ 1960.

Latitude 62° 02' 27.98" N. Longitude 150° 16' 54.11" W.
from which

USC & GS triangulation Station "Willow' bears S. 60° 45' 45" E.
(back bearing, N. 60° 14' 51" W.), 1749.87 chs. dist.

From the Copperweld monument mkd. T23N R6W S36 AZ 1960, run a ra-
donm traverse resulting in a calculated bearing and distance of S.
23° 45' 30" E., 47.16 chs. to the calculated point for the cor. of
Tps. 22 and 23 N., Rs. 5 and 6 W.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam.,
20 ins. in the ground, with brass cap mkd.

T23N
R6W | R5W
S36 | S31
S1 | S6
T22N
1960

Latitude = 62° 01' 59.94" N. Longitude = 150° 16' 27.83" W.
from which

X BT.

A spruce, 4 ins. diam., bears S. 65° W., 75 lks. dist., mkd.
X BT.

A spruce, 6 ins. diam., bears N. 72° W., 133 lks. dist., mkd.
T23N R6W S36 BT.

The witness meander cor. of secs. 7 and 12, on the west bdy.
of T. 22 N., R. 5 W., monumented with an iron post, 2½ ins.
diam., set, mkd., and witnessed as described in the 1960
survey record of T. 22 N., R. 5 W., S.M., bears SOUTH, 91.05
chs. dist.

Land, nearly level.
Soil, sandy loam.
Timber, spruce, birch, and cottonwood.
Undergrowth, alder and willow.

South Boundary, T. 23 N., R. 6 W., S.M.
South Boundary, T. 23 N., R. 6 W., S.M.

<table>
<thead>
<tr>
<th>Chains</th>
<th>From the cor. of Tps. 22 and 23 N., Rs. 5 and 6 W.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WEST, on the calculated course bet. Tps. 22 and 23 N., R. 6 W., beginning new calculated distance.</td>
</tr>
</tbody>
</table>

200.00 Calculated point for the \( \frac{1}{4} \) sec. cor. of secs. 3 and 34, thus established:

Occupying USC & GS triangulation Station 'Willow', sighting Station 'Montana', turn a true forward bearing of N. 64° 14' 50" W., (back bearing, S. 64° 49' 27" E.), and at an electronically measured distance of 1888.43 chs.

Set a Copperweld monument 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T22N R6W S3 AZ 1960.

Latitude 62° 01' 55.75" N. Longitude 150° 21' 04.86" W.

From the Copperweld monument mkd., T22N R6W S3 AZ 1960, run a random traverse resulting in a calculated bearing and distance of N. 2° 03' E., 6,468 chs. to the calculated point for the \( \frac{1}{4} \) sec. cor. of secs. 3 and 34.

Set an iron post, no concrete core, 28 ins. long, 2\( \frac{1}{2} \) ins. diam., 20 ins. in the ground, with brass cap mkd.

\[
\begin{array}{c}
\text{T23N} \\
\frac{1}{4} \\
\text{R6W} \\
\frac{1}{4} \\
\text{S3} \\
\frac{1}{4} \\
\text{T22N} \\
1960
\end{array}
\]

Latitude = 62° 01' 59.94" N. Longitude = 150° 21' 04.54" W.

from which

A spruce, 6 ins. diam., bears S. 16° 18' W., 59 lks. dist., mkd. \( \frac{1}{4} \) S3 BT.

A spruce, 8 ins. diam., bears N. 50° 12' W., 29 lks. dist., mkd. \( \frac{1}{4} \) S34 BT.

WEST, on the calculated course bet. Tps. 22 and 23 N., R. 6 W., beginning new calculated distance.

200.00 Calculated point for the cor. of secs. 5, 6, 31 and 32, thus established:

Occupying USC & GS triangulation Station 'Montana', sighting Station 'Willow', turn a true forward bearing of S. 83° 16' 12" W., (back bearing, N. 82° 36' 31" E.), and at an electronically measured distance of 1960.78 chs.

Set a Copperweld monument, 26 ins. in the ground for a reference and azimuth control station, with cap mkd. T22N R6W S32 AZ 1960.

Latitude 62° 02' 12.03" N. Longitude 150° 25' 24.46" W.

from which
South Boundary, T. 23 N., R. 6 W., S.W.

Charias

USC & GS triangulation Station "Willow", bears S. 66° 28' 01" E., (back bearing, N. 65° 04' 35" W.), 2069.72 chs. dist. This tie made for closure purposes.

From the Copperweld monument, mkd. T22N R6W S32 AZ 1960, run a random traverse resulting in a calculated bearing and distance of S. 33° 07' 30" W., 22.21 chs. to the calculated point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, no concrete core, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

<table>
<thead>
<tr>
<th>T23N</th>
<th>R6W</th>
</tr>
</thead>
<tbody>
<tr>
<td>S31</td>
<td>S32</td>
</tr>
<tr>
<td>S6</td>
<td>S5</td>
</tr>
<tr>
<td>T22N</td>
<td>1960</td>
</tr>
</tbody>
</table>

Latitude = 62° 01' 59.94" N. Longitude = 150° 25' 41.25" W.

from which

A spruce, 6 ins. diam., bears N. 40° E., 29 lks. dist., mkd. T23N R6W S32 BT.

A cottonwood, 8 ins. diam., bears S. 35½° E., 17 lks. dist., mkd. T22N R6W S5 BT.

A spruce, 5 ins. diam., bears S. 48° W., 53 lks. dist., mkd. T22N R6W S6 BT.

A spruce, 8 ins. diam., bears N. 79° W., 11 lks. dist., mkd. T23N R6W S31 BT.

77.29

WEST, on the calculated course bet. Tps. 22 and 23 N., R. 6 W.,

beginning new calculated distance.

The cor. of Tps. 22 and 23 N., Rs. 6 and 7 W.

Land, nearly level.

Soil, sandy loam.

Timber, spruce and birch.

Undergrowth, alder and willow.

Surveyed area is bounded by meanders of the east bank of the Susitna River surveyed in 1917, the Sixth Standard Parallel N., the west boundaries of Tps. 23 and 24 N., Rs. 6 W., and the south boundaries of Tps. 23 N., Rs. 5 and 6 W; the net area is exclusive of the water area of the Susitna River but inclusive of the islands in place therein, which were in existence at the time of survey.

| Gross area | 88,280.82 acres |
| Less area in bed of the Susitna River, a navigable stream | 5,599.00 acres |
| Net area | 82,681.82 acres |
General Description

This survey is located in the Susitna River Valley and lies west of Big Susitna River approximately 70 miles north of Anchorage.

The land is mostly level and is divided evenly between stands of spruce and birch timber and open marsh-meadow areas. Along the west boundary of the survey the terrain becomes more hilly as one approaches the Kahiltna River. Heavy undergrowth of alder, willow, and devil's club are found bordering the lakes and along the streams. The region is dotted with large and small lakes and has a number of streams flowing southerly and emptying in the Kahiltna and the Big Susitna Rivers.

The region supports a variety of large and small game animals and abounds with water fowl and sport fish. There are no settlements or roads in the area. The past is reflected by the observance of several abandoned trappers' line cabins.

Transportation of personnel and equipment for the execution of this survey was accomplished with helicopter and fixed wing amphibian air craft.
<table>
<thead>
<tr>
<th>NAMES</th>
<th>CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orville N. Eggan</td>
<td>Supervisory Cadastral Surveyor</td>
</tr>
<tr>
<td>Harold C. Temme</td>
<td>Supervisory Cadastral Surveyor</td>
</tr>
<tr>
<td>Fredrick Ward</td>
<td>Surveying Technician</td>
</tr>
<tr>
<td>Theodore Koeberie</td>
<td>Cadastral Surveyor</td>
</tr>
<tr>
<td>Jim H. Tyer</td>
<td>Cadastral Surveyor</td>
</tr>
<tr>
<td>Joseph Bomrowski</td>
<td>Surveying Technician</td>
</tr>
<tr>
<td>Glenn Heidman</td>
<td>Cadastral Surveyor</td>
</tr>
<tr>
<td>Bill Pearson</td>
<td>Surveying Technician</td>
</tr>
<tr>
<td>Jerry Ives</td>
<td>Surveying Technician</td>
</tr>
<tr>
<td>Arnold Oskolkoff</td>
<td>Surveying Technician</td>
</tr>
<tr>
<td>James A. Smith</td>
<td>Surveying Aid</td>
</tr>
<tr>
<td>Jon M. Miller</td>
<td>Surveying Aid</td>
</tr>
<tr>
<td>H. David Cox</td>
<td>Surveying Aid</td>
</tr>
<tr>
<td>John D. Master</td>
<td>Surveying Aid</td>
</tr>
<tr>
<td>SING CHRISTANSEN</td>
<td>Surveying Aid</td>
</tr>
</tbody>
</table>
CERTIFICATE OF CADASTRAL SURVEYOR

Robert B. Hyatt,
I, Jerry R. Harris, HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 6th day of June, 1960.
I have surveyed the sixth standard parallel North through Ranges 5 and 6 West,
the west boundaries of Townships 23 and 24 North, Ranges 6 West, and the
south boundaries of Townships 23 North, Ranges 5 and 6 West.

of the 7th 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 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.

May 25, 1961
(Date)
Robert B. Hyatt
(Cadastral Surveyor)

May 25, 1961
(Date)
Jerry R. Harris
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D.C., OCT 16, 1961

The foregoing field notes of the survey of the sixth standard parallel North
through Ranges 5 and 6 West, the west boundaries of Townships 23 and 24
North, Ranges 6 West, and the south boundaries of Townships 23 North,
Ranges 5 and 6 West,

executed by Robert B. Hyatt, Jerry R. Harris, Supervisory Cadastral Surveyors
having been critically examined and found correct, are hereby approved.

Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

(Date)
(Cadastral Engineering Staff Officer)