

NOTE: The following photos are for visual examples and are not part of the survey plan.



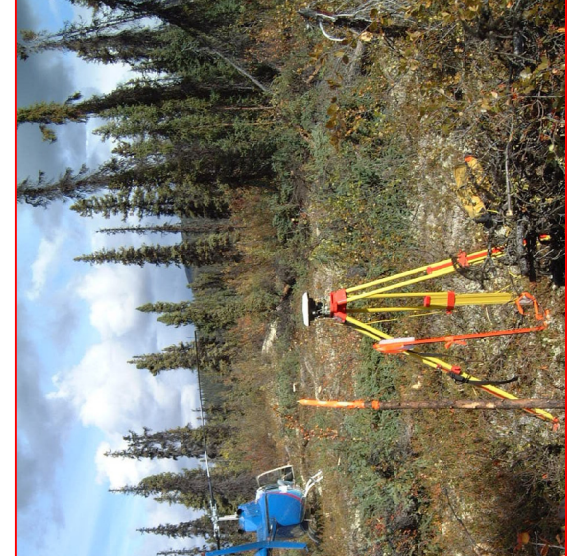
Photo of typical blazes marking a boundary. The tree is blazed on three sides with one blaze being the boundary line and the other two at right angles to the line.



Photo of corner monument, marker post, and boundary line. Note bearing tree in background.



Photo of GPS receiver set up over a corner monument to access the area.



GLOSSARY OF COMMON TERMS USED THROUGHOUT THE PLAN

CLS-stands for Canada Lands Surveys. It may be used when referring to types of survey monuments such as the CLS77 post. CLS also stands for Canada Lands Surveyor.

NPS-stands for the National Topographic System of maps produced by Natural Resources Canada and are available in two standard scales of 1:50000 and 1:250000.

UTM-stands for Universal Transverse Mercator which is the mapping projection used for the 1:50000 and 1:250000 map sheets in Canada. The mapping projection used for the survey monuments is the NAD83 datum.

NAD83-stands for the North American Datum of 1983. A datum is a mathematical surface in the shape of an ellipsoid which closely resembles the shape of the earth. Measurements performed on the ground must first be reduced to the ellipsoid and then the NAD83 datum.

QUAD-The area covered by a 1:50000 map sheet is determined by its latitude and longitude. A particular map sheet is identified by a series of numbers and letters e.g. 10S1. The area covered by a 1:250000 map sheet is further divided into sixteen map sheets within the area e.g. 10S1/4. These map sheets are commonly referred to as QUADS. In the Yukon, the designation of rural lots are commonly identified by a unique lot number and quad number depending in which map sheet the lot is located.

CPS-stands for Global Positioning System which is a combination of satellites and ground stations that provide location information. GPS is also commonly used to refer to measurements derived from GPS observations.

CACS-stands for the Canadian Active Control System which consists of a series of unattended CPS tracking stations. The data from these stations can be used to increase the accuracy of GPS observations.

R/W-stands for Right of Way and is commonly used to refer to the limits of a road. A highway or road is defined by its boundaries which are shown on the plan. The road is completely surveyed and is defined as a 60m R/W based on the travelled entire of road.

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 Legal Surveys Division
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This table shows the UTM coordinates for several monuments within the survey. Also identified is the location of the monument on the map. The UTM zone is 8° of longitude wide and the zone number increases from west to east. Zone 8 covers the area between 132° W longitude and 139° W longitude. It's central meridian is therefore 135° W.

UTM COORDINATES NAD83
 ZONE 8, CENTRAL MERIDIAN 135° WEST

STATION	NORTHING	EASTING	ELLIPOSOIDAL HEIGHT
100	6883571.14	473012.85	700.0
101	6883526.49	473278.13	701.2
1L1001	6883521.64	473156.27	-
3L1001	6883379.86	473132.40	-
4L1001	6883399.62	472983.72	-
5L1001	6883546.50	473008.41	-

"Absolute" horizontal positions of the monuments with respect to the Canadian Active Control System are better than 2 metres at the 95% confidence level.

To compute UTM coordinates, distances were reduced to sea level and the projection plane by applying a combined scale factor of 0.99963.

Approximate coordinate shift to convert NAD83 to NAD27:
 Northing NAD27=NAD83+163.0 m
 Easting NAD27=NAD83+103.7 m

Due to the nature of the UTM mapping projection, distances on the map are usually shorter than distances on the ground. Here a scale factor is shown for the survey with respect to the central meridian of the UTM mapping zone.

This indicates the difference in height between the NAD83 datum and the NAD27 datum. The comparison is shown here for information only. The NAD27 datum was used in many land descriptions in the Yukon.

This line type is usually used to identify traverse lines or calculate boundaries. The traverse stations identified by small circles at the ends of the line. Some traverse lines are sometimes run very close to parent boundaries and one must be careful not to confuse them with the actual boundary.

A P.P.M. consists of a CIS standard post placed in the limits of nearby existing surveyed parcels. It is approximately 0.1m deep. M indicates a mound of dirt taken from the pits and placed along one of the boundaries.

This dashed line type is usually used to identify the limits of nearby existing surveyed parcels. It is approximately 0.1m deep. M indicates a mound of dirt taken from the pits and placed along one of the boundaries.

BT's (bearing trees) are used to reference facing the monument and scribed with the monument to the face of the blaze from the monument to the bearing tree. BT's are also scribed from the monument to the bearing tree.

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O.H.W.M. stands for Ordinary High Water Mark. This indicates that the southerly boundary of the parcel is the O.H.W.M. of the Little Salmon River.

This information is optional and is used to identify the company who performed the survey and drawing file name.

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These blocks indicate the registration numbers for this plan within the Land Titles Office in Whitehorse, Yukon. These numbers should be used as part of any legal document referring to this particular parcel.

This arrow indicates the direction of the survey. The bearing statement in the legend will indicate what type. Magnetic north is never used.

This is the legal description for this parcel. The legal description will fully describe this parcel.

This indicates the Site Specific identifier for this parcel and the First Nation to which it belongs.

This indicates the scale of the plan in metric units. i.e. 1 centimetre on the plan equals 1000 centimetres on the ground.

This indicates how bearings were derived. In this instance, bearings are referred to the UTM mapping grid based on zone 8.

This indicates the types of survey monuments shown on the plan. CIS 77 posts are now used for surveys in the Yukon having replaced the older style CIS 69 post in 1977.

For larger or more complicated surveys, Canada Lands Surveys permits to be indicated by this statement. FB stands for Field Book.

This contains the signature of the Canada Lands Surveyor who performed the survey. The signature must be dated. Also, the Surveyor must hold a valid License to Practice under the Canada Lands Surveys Act.

This signature block is used for plans with complex surveys. The signature must be dated and the plan must be approved by the Surveyor General or his representative with the signature and date. Also, the Surveyor must hold a valid License to Practice under the Canada Lands Surveys Act.

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SPECIMEN ONLY

PLAN AND FIELD NOTES OF SURVEY OF

LOT 1001, QUAD 105 L/4

LITTLE SALMON/CARMACKS FIRST NATION SETTLEMENT LAND SELECTION S-29B1

LATITUDE 62° 05', LONGITUDE 135° 31' (Approx.)

YUKON TERRITORY

SCALE 1 : 1000

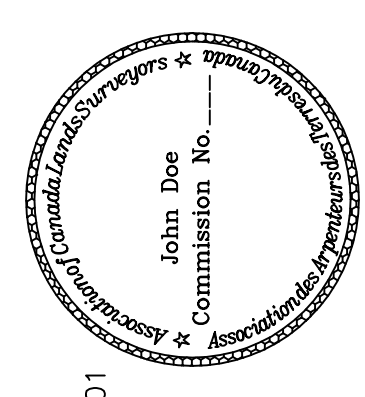


THIS SURVEY WAS EXECUTED DURING THE PERIOD JULY 9 TO JULY 14, 2001, BY JOHN DOE, C.L.S.

LEGEND:

- Bearings are UTM Grid, derived from a G.P.S. baseline between traverse station 100 and 101. In this instance, bearings are referred to the U.T.M. Zone 8, (135° West Long.) NAD 83.
- Distances shown are horizontal at general ground level and are expressed in metres.
- (GPS) denotes GPS baselines which are derived from carrier phase data collected using dual frequency GPS receivers.
- CACS stands for the Canadian Active Control System.
- CLS 77 posts placed shown thus ○
- CLS standard post shown thus ●
- CLS 69 posts found shown thus ●
- Traverse lines and stations shown thus —○—
- Lands dealt with by this plan bounded thus ———

Support information is contained in Supplementary Field Notes in book form recorded under FB 17324 CLSR which includes the surveyor's report, a summary of the least squares adjustment of the GPS baselines and associated accuracies, and copies of the Survey Instructions.



CERTIFIED CORRECT: Date: 2001
 Canada Lands Surveyor

This signature block is used to indicate the approval of the parcel boundaries and to be used for any Commissioner's land involved.

Department of Indian Affairs and Northern Development
 Whitehorse, Y.T.
 Re: Section 29, Canada Lands Surveys Act
 This survey and plan are satisfactory.
 for Minister

Little Salmon/Carmacks First Nation
 Yukon
 This survey and plan are satisfactory.
 Re: Section 29, Canada Lands Surveys Act, and
 APPROVED Re: Section 15.6.6, Little Salmon/Carmacks First Nation Final Agreement, Yukon First Nations Land Claims Settlement Act.
 CONFIRMED:
 Department of Natural Resources
 Re: Section 29, Canada Lands Surveys Act.
 Agreement; Yukon First Nations Land Claims Settlement Act.
 Brian Thompson, Head, Cadastral Services
 Yukon Territory, Legal Services Division