2020 GEOLOGICAL AND GEOCHEMICAL EXPLORATION
ON THE
CANYON MOUNTAIN PROPERTY

WHITEHORSE MINING DISTRICT, YUKON

Grant Numbers: CM 1-112 (YF46168-YF46279)

Geographic Coordinates
60°38’ N to 60°44’ N
134°49’ W to 134°56' W

NTS Sheet 105D10

Owner:	J. Dahrouge (Client ID 4002813) 103, 10183 – 112th Street Edmonton, Alberta T5K 1M1
Operator:	Graymont Western Canada Inc. 260, 4311 – 12th Street NE Calgary, Alberta T2E 4P9
Consultant:	Dahrouge Geological Consulting Ltd. 103, 10183 – 112th Street Edmonton, Alberta T5K 1M1
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Field Work Completed:	August 25-27, 2020
Date Submitted:	June 15, 2021

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1. INTRODUCTION

The Canyon Mountain group of quartz claims were staked by Henry Lole in June 2014 and transferred to Jody Dahrouge in April 2019. Dahrouge Geological Consulting Ltd. (Dahrouge) completed a surface sampling program on August 25-27, 2020. Exploration consisted of collecting 50 rock samples, representing approximately 128.5 m of stratigraphy. A traverse totalling 13.91 km was completed on the Property to map geologic units and identify outcrops. The majority of the 2020 work on the claims focused on identifying access routes, mapping geological contacts, and locating high-calcium limestone outcrops on the Canyon Mountain Property. This report describes the 2020 exploration and provides an interpretation of the results. Appendix 1 is an itemized cost breakdown of the 2020 work completed on the Canyon Mountain Property. The operator for the exploration described herein was Graymont Western Canada Inc. (Graymont).

The Canyon Mountain Property is comprised of 112 contiguous quartz claims; the Property has been grouped as per Grouping Certificate HW07727.

Structural measurements were obtained at stations throughout the Property. A magnetic declination of 18° 46' east was used. Attitudes of bedding and other planar features are given as A°/B° NW, where A° is the azimuth of the strike (right-hand rule) and B° is the amount of dip in the direction indicated. Where bedding has been obscured by structure, stratigraphic thicknesses were calculated using orientations from adjacent units. Where more than one bedding orientation was measured, the mean orientation was used.

1.1 GEOGRAPHIC SETTING

1.1.1 Location and Access

The Canyon Mountain Property is located approximately 11 km east of Whitehorse, Yukon along the Grey Mountain Road. The Property is roughly 600 m east of the Grey Mountain radio tower (Fig.'s 3.1 and 3.2). The majority of Grey Mountain Road is paved and well-maintained, apart from the last 2 km, which is a rough gravel road. A well-maintained ATV trail, which is approximately 10 km in length, exists south of the Property and can be used to access the southern half of the Property. There is a helicopter pad at the radio tower on top of Grey Mountain which could be utilized for access in the future, if required.

1.1.2 Topography, Vegetation, Wildlife and Climate

Topography in the Canyon Mountain Property area is characterized by northwest trending broad U-shaped glacial valleys and ridges of significant relief. Elevations on the Property range from 840 m in the eastern portion near Cantlie Lake up to approximately 1,400 m atop Grey Mountain at the radio tower (Fig. 4.1).

Tree cover in the Whitehorse area is moderate to dense. The most common trees are evergreen (spruce, pine, and fir), with common birch, poplar, willow, cottonwood, and aspen. There is no evidence of recent clear-cutting and logging in the area.

The rugged mountainous terrane and wetlands in the Canyon Mountain Property area make it an ideal habitat for variety of ungulates, birds, and small mammals. The Yukon Government has identified golden eagle, thin-horn sheep, and woodland caribou seasonal ranges in the Property area. To the authors' knowledge, there are no restrictions on the area due to the presence of wildlife. During exploration, Dahrouge endeavored to minimize the disturbance to local flora and fauna.

The area is part of the Boreal Cordillera Eco-zone with generally dry and cool conditions. Climate is alpine to sub-arctic with average summer temperatures of 20° to 25°C and winter temperatures of -15° to -25°C, with extremes of 32°C and -55°C. Rainfall averages about 15 cm per year and maximum snowfall occurs from November to February with an average total of 128 cm. Snow often falls as early as September and as late as April.

1.2 PROPERTY

The Canyon Mountain claims are being held in trust for Graymont by Jody Dahrouge, based out of Edmonton, AB. The claims were staked from June 27th to July 2nd, 2014 by a four-person crew based out of Whitehorse. The Canyon Mountain Property consists of 112 quartz claims (CM 1-112) with a combined area of 2,340.8 ha.

TABLE 1.1 LIST OF CANYON MOUNTAIN CLAIMS

Grant Number	Claim Name	Original Size (ha)	Record Date	Current Good To Date	New Good To Date	Required Spending
YF46168	CM 1	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46169	CM 2	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46170	CM 3	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46171	CM 4	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00

YF46172	CM 5	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46173	CM 6	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46174	CM 7	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46175	CM 8	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46176	CM 9	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46177	CM 10	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46178	CM 11	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46179	CM 12	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46180	CM 13	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46181	CM 14	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46182	CM 15	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46183	CM 16	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46184	CM 17	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46185	CM 18	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46186	CM 19	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46187	CM 20	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46188	CM 21	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46189	CM 22	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46190	CM 23	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46191	CM 24	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46192	CM 25	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46193	CM 26	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46194	CM 27	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46195	CM 28	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46196	CM 29	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46197	CM 30	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46198	CM 31	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46199	CM 32	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46200	CM 33	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46201	CM 34	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46202	CM 35	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46203	CM 36	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46204	CM 37	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46205	CM 38	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46206	CM 39	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46207	CM 40	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46208	CM 41	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46209	CM 42	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46210	CM 43	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46211	CM 44	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46212	CM 45	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46213	CM 46	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00

YF46214	CM 47	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46215	CM 48	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46216	CM 49	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46217	CM 50	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46218	CM 51	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46219	CM 52	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46220	CM 53	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46221	CM 54	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46222	CM 55	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46223	CM 56	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46224	CM 57	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46225	CM 58	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46226	CM 59	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46227	CM 60	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46228	CM 61	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46229	CM 62	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46230	CM 63	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46231	CM 64	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46232	CM 65	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46233	CM 66	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46234	CM 67	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46235	CM 68	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46236	CM 69	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46237	CM 70	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46238	CM 71	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46239	CM 72	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46240	CM 73	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46241	CM 74	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46242	CM 75	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46243	CM 76	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46244	CM 77	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46245	CM 78	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46246	CM 79	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46247	CM 80	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46248	CM 81	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46249	CM 82	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46250	CM 83	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46251	CM 84	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46252	CM 85	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46253	CM 86	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46254	CM 87	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46255	CM 88	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00

YF46256	CM 89	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46257	CM 90	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46258	CM 91	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46259	CM 92	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46260	CM 93	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46261	CM 94	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46262	CM 95	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46263	CM 96	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46264	CM 97	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46265	CM 98	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46266	CM 99	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46267	CM 100	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46268	CM 101	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46269	CM 102	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46270	CM 103	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46271	CM 104	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46272	CM 105	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46273	CM 106	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46274	CM 107	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46275	CM 108	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46276	CM 109	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46277	CM 110	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46278	CM 111	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
YF46279	CM 112	20.9	14-Jul-2014	14-Jul-2021	14-Jul-2022	$100.00
	Total Area:	2,340.8			**Representation Work Cost:**	$11,200.00
					Certification Cost:	$560.00
					Total:	**$11,760.00**

1.3 HISTORY AND PREVIOUS INVESTIGATIONS

Initial prospecting of the area was completed by Dahrouge during the summer of 2012 to assess the quality of the limestone; the Canyon Mountain claims were later staked in 2014. Dahrouge completed a sampling program in 2014, 2015, and 2019 to investigate carbonate quality on the Property. To the knowledge of the authors, no historic exploration for high-calcium limestone has occurred in the Canyon Mountain Property area. There are, however, four expired quartz claims underlying the Canyon Mountain claims (Golcondo, Florence, Concord and Mohawk) which were staked prior to the Canyon Mountain Property; it is unknown whether the owner registered work for them.

1.4 PURPOSE OF WORK

The work described herein was undertaken to accurately identify the location and extent of limestone units throughout the Canyon Mountain Property and consisted of mapping and sampling. The 2020 exploration program is a follow-up to work completed in 2014, 2015, and 2019 by Dahrouge (Krueger and Lole, 2014, Krueger and Lole, 2015, and Krueger and Shumilak, 2020).

1.5 SUMMARY OF WORK

In August 2020, Dahrouge conducted a three-day geologic mapping and sampling program on the Canyon Mountain Property.

A total of 50 limestone samples were obtained within or adjacent to the Canyon Mountain Property, representing approximately 128.5 m of stratigraphy (Fig. 4.2). A traverse totalling 13.91 km was also completed on and near the Property to map geologic units and identify outcrops. Samples were collected by chipping outcrops perpendicular to defined or assumed bedding. Bedding was commonly difficult to identify due to the nondescript and cryptocrystalline nature of the limestone. Where bedding was uncertain or had been obscured by structure, stratigraphic thicknesses were calculated using the best estimated orientation from adjacent units. Where more than one bedding orientation was measured, the mean orientation was used.

Geological observations were recorded, including lithologic information, measurements of structural elements, and other pertinent details (App. 4). A solution of 10% HCl was used to assess carbonate quality in the field. Samples were shipped to a lab in Sandy, Utah for preparation and analyses by standard ICP techniques, and LOI. Analytical procedures are described in Appendix 2 and assay sheets are provided in Appendix 3.

Personnel were based in a hotel in Whitehorse, Yukon, and access to and from the Property was by rented four-wheel-drive vehicle. Access throughout the Property was by extensive hiking.

2. REGIONAL GEOLOGY

2.1 STRATIGRAPHY

The Canyon Mountain Property is located within the Whitehorse Trough, part of the Stikine Terrane. The Whitehorse Trough is a 500 km long, northwest-trending intermontane basin located in south-central Yukon, which originated as a forearc basin, but progressively developed into a piggy-back basin near the end of the Pliensbachian during orogenic events (Colpron, 2014). The basin straddles the Yukon-British Columbia border, with its northernmost margin in the Carmacks area, approximately 175 km north of the Canyon Mountain Property. The area of the Trough covers approximately 2.44 million hectares. The basin contains up to 3 km thick Jurassic Laberge Group sedimentary rocks, underlain by Triassic Lewes River Group sediments. Overlying the sedimentary sequences are Cretaceous and Neogene volcanics (Fig. 4.3).

2.1.1 Laberge Group

The Jurassic Laberge Group has been informally subdivided into the Richthofen, Nordenskiold and Tanglefoot formations. The Richthofen Formation is characterized by thin- to medium-bedded turbidite beds, massive sandstone intervals, and fossiliferous conglomerates. It ranges from 500-1,000 m in thickness and is restricted to the southern half of the basin, so is not present in the Whitehorse area. The Nordenskiold Formation consists of dark-grey, massive dacites with quartz, plagioclase, biotite, and hornblende phenocrysts in a cryptocrystalline groundmass. The Tanglefoot Formation consists of coal-bearing, fluvial to marginal marine interbedded sandstones and mudstones, conglomerates, and rare bioclastic limestones. The limestones locally contain abundant ammonites, pelecypods, and carbonaceous material. It is at least 600 m thick and is restricted to the northern half of the Whitehorse Trough, and has not been seen in outcrop near the Canyon Mountain Property to date. The Richthofen, Nordenskiold, and Tanglefoot formations unconformably overlie the Triassic Lewes River Group and are unconformably overlain by the Jurassic-Cretaceous Tantalus Formation (Colpron, 2011).

2.1.2 Lewes River Group

The Lewes River Group was determined to range in age from Carnian to Norian, based on dating of spiriferids, pelecypods, ammonites, and colonial corals. It generally consists of limestone, argillite, greywacke, and sandstone. Lees (1934) recognized the presence of three units: a lower limestone sequence, middle sequence of greywacke and argillite with interbedded limestone intervals, and an upper limestone unit. The Lewes River Group is informally subdivided into the Povoas and Aksala formations. The Povoas Formation is a volcanic unit that consists of basalts and andesites, with minor carbonate rocks. It is overlain by the Carnian-Norian Aksala Formation, which has been subdivided into two main members: Casca and underlying Hancock. Sequences of sandstones, conglomerates, and mudstones comprise the Casca Member, which overlies the reefal carbonates of the Hancock Member (Colpron, 2011). Large areas of the sedimentary sequence were subsequently intruded by granitic rocks during the Cretaceous.

TABLE 2.1 STRATIGRAPHY OF THE WHITEHORSE AREA*

Period	Stage/Age	Stratigraphic Unit			Lithological Description	Approx. Thickness (m)
		Group	Formation/ Member			
Jurassic	Bathenian		Tantalus Fm.		Quartzite, chert and pebble conglomerate, minor sandstone, shale and minor coal	200-300
	Bajocian	Laberge Gp.	Tanglefoot Fm.		Interbedded sandstones and mudstones, conglomerates, rare limestones	Up to 600
	Aalenian					
	Toarcian		Nordenskiold Fm.		Volcanics including dacites	unknown
	Pliensbachian					
	Sinemurian		Richthofen Fm.		Massive sandstones, conglomerates	500-900
	Hettangian					
Triassic	Norian	Lewes River Gp.	Aksala Fm.	**Casca Mbr.**	Sandstones, conglomerates and mudstones, limestone	unknown
				Hancock Mbr.	Massive to thick-bedded limestone	Up to 600
	Carnian		Povoas Fm.		Volcanics including basalts and andesites, minor carbonates	

*Adapted from Clapham et al., 2002.

2.2 STRUCTURE

The structural geology of the area is dominated by two major sub-parallel, north-northwest trending faults that divide and define the boundaries between the Cache Creek Terrane (to the east) and the Whitehorse Trough and between the Whitehorse Trough and the Yukon-Tanana Terrane (to the west). The Nahlin Fault roughly marks the western extent of the Cache Creek Terrane and eastern extent of the Whitehorse Trough. It is a steeply dipping to vertical fault, or series of faults and has seen intermittent activity from the Late Triassic to Tertiary time. The Llewellyn fault marks the boundary between the regionally metamorphosed Yukon-Tanana Terrane and the Whitehorse Trough. It is also steeply dipping and appears to have been active from Late Triassic to Tertiary time (Shaw, 1989).

3. PROPERTY GEOLOGY

3.1 STRATIGRAPHY AND LITHOLOGY

As limited work has been performed on the Canyon Mountain Property, a detailed description of the property geology is not yet possible. In the Whitehorse area, carbonate lithologies are known to occur within Triassic sequences. The Triassic limestones encountered within the Canyon Mountain Property are from the Hancock member of the Carnian-Norian Aksala Formation (Fig. 4.2). The massive, resistant limestone exposures in the Whitehorse area are likely part of the Hancock Member. The following is a brief summary of the units underlying the Canyon Mountain Property.

3.1.1 Mount Nansen Group

Mount Nansen Group outcroppings have yet to be mapped by Dahrouge on any portions of the Canyon Mountain Property. Mapping completed by the Yukon Geological Survey, however, indicates that the unit outcrops in the southwest corner of the Property. The Mount Nansen group consists of Eocene age extrusive volcanics. Typical lithologies include andesite, dacite, and brecciated tuffs (CSPG Lexicon of Canadian Stratigraphy). The Mount Nansen is not a unit with any high-calcium potential.

3.1.2 Whitehorse Suite (Group)

Whitehorse Suite felsic volcanics have yet to be mapped on the Canyon Mountain Property by Dahrouge. However, the Yukon Geological Survey has mapped outcroppings along the eastern border of the Property. The intrusive Middle-Cretaceous Whitehorse Suite consists of two distinct batholiths (Ryan, J.J., et al., 2013). Typical lithologies include granite, hornblende-biotite rich granodiorite, monzogranite and tonalite. The Whitehorse Suite is not a unit with any high-calcium potential.

3.1.3 Laberge Group – Richthofen Formation

While the Richthofen Formation has yet to be mapped on the Canyon Mountain Property by Dahrouge, the Yukon Geological Survey has confirmed that the unit outcrops along the western edge of the Property. The Formation typically consists of massive sandstones and conglomerates and is not a unit with high-calcium potential.

3.1.4 Aksala Formation – Hancock Member

The massive cliff-forming Hancock Member was mapped in 2015 within the southern and central portions of the Canyon Mountain Property. The member consists of very light-grey to medium-grey weathered, light-grey to medium-grey fresh, cryptocrystalline to micritic lime mudstones. Both massive and resistant, the Hancock Member limestones have minor carbonaceous stringers and oxide alteration along fractures. The Hancock Member is the geologic unit that was targeted during the 2020 exploration program, as it has the most potential for high-calcium limestone.

3.2 STRUCTURE

Given the early stage of exploration on the Property, the structure is currently largely unknown. Bedding measurements taken along the central-west edge of the Property were steeply dipping (83-89°) to the northeast, while beds in the southwest portion exhibited much shallower dips, ranging from 51 to 75° approximately due east. A fault has been mapped by the Yukon Geological Survey along the Richthofen-Aksala contact in the southwest portion of the Property (Fig.'s 4.2 and 4.3). No evidence of this fault was found during the 2020 exploration.

4. RESULTS OF 2020 EXPLORATION

The 2020 exploration program was conducted to further assess the limestone quality of the Aksala Formation, Hancock Member limestone and provide more constraint on geologic contacts with other units in the area. A total of 50 samples were collected at 16 separate locations (Fig. 4.2).

The groundwork also involved mapping along the west-central portion of the Property, along the flanks of Grey Mountain.

During the program, geological observations were recorded, including lithologic information, measurements of structural elements, and other pertinent details (App. 4). A solution of 10% HCl was used to assess carbonate quality in the field. In some instances, interval thicknesses were determined by measuring outcrops perpendicular to bedding, where it could be identified. In many cases the interval thickness can only be considered approximate (at best) due to the lack of reliable bedding surfaces.

All samples from the 2020 program were shipped to a lab in Sandy, Utah for preparation and analyses by standard ICP techniques, and LOI (App.'s 2 and 3).

Samples collected from the Hancock Member in 2020 returned between 91.20% to 99.20% $CaCO_3$, 0.63% to 3.93% $MgCO_3$ and 0.24% to 8.20% SiO_2 (App. 4). The best sample section (2020-02) contained 97.92% $CaCO_3$, 0.93% $MgCO_3$ and 0.83% SiO_2 over approximately 25.5 m. Section 2020-10 was also notable returning 97.60% $CaCO_3$, 1.07% $MgCO_3$ and 0.75% SiO_2 averaged across roughly 10 m. Isolated limestone samples 75848 and 75828 from produced 98.20% $CaCO_3$, 1.72% $MgCO_3$ and 0.60% SiO_2 over approximately 3 m and 97.80% $CaCO_3$, 1.21% $MgCO_3$ and 0.70% SiO_2 over approximately 3 m, respectively (Fig. 4.2, App. 4).

Dahrouge was able to further delineate the contact between the Laberge Group and Hancock Member in the western-central portion of the Canyon Mountain Property during the 2020 exploration. The Hancock Member extends further to southwest than previously mapped. The geology has been updated accordingly in figures 4.2 and 4.3.

5. DISCUSSION AND CONCLUSIONS

Limestone of the Norian-Carnian Hancock Member of the Aksala Formation was mapped and tested on or adjacent to the Canyon Mountain Property by measuring and sampling stratigraphic sections. A total of 50 Hancock Member samples were collected from the southwest and west-central portions of the Property. Hancock samples exhibited minimal variation in quality, generally averaging in excess of 95% $CaCO_3$. The best section of Hancock Member (Section 2020-02) returned 97.92% $CaCO_3$ across an estimated 25.5 m adjacent to CM 1 and CM 2. The high quality and cliff forming nature of the limestone encountered in this area suggests it is part of the Hancock Member and the Laberge Group-Aksala Formation contact in this area is slightly further southwest than previously mapped. The geology in figures 4.2 and 4.3 has been updated to reflect the observation of the 2020 program. Limited time for exploration prevented a conclusive analysis of the quality of the Hancock Member throughout the Property.

The next phase of exploration on the Canyon Mountain Property should consist of additional mapping and sampling, focusing on the unexplored northern half of the Property. Identifying and mapping Aksala Formation contacts with adjacent stratigraphic units in the west-central portion of the Property should also be a priority. Pending further exploration, the ground southwest of CM 1 and 2 should be staked if the contact is mapped further to the southwest. A ground magnetic survey is recommended in areas surrounding confirmed intrusives, to assess their lateral extent where overburden is thick, and outcrops are sparse.

6. STATEMENT OF QUALIFICATIONS

I, Jody Dahrouge, residing at 11 Country Lane, Stony Plain, Alberta, do hereby certify that:

- I am a geologist and President of Dahrouge Geological Consulting Ltd., Suite 103, 10183 - 112 Street., Edmonton, Alberta, T5K 1M1.
- I am a 1988 graduate of the University of Alberta, Edmonton, Alberta with a B.Sc. specialized in Geology.
- I am a 1994 graduate of the University of Alberta, Edmonton, Alberta with a Sp.C. in Computing Science.
- I have practiced my profession as a geologist intermittently from 1988 to 1994, and continuously since 1994.
- I am a registered Professional Geologist with the Association of Professional Engineers and Geoscientists of Alberta, member M48123.
- I co-managed the 2020 work described in this report.
- I am co-author of the report entitled "2020 Geological and Geochemical Exploration on the Canyon Mountain Property" and accept responsibility for the veracity of technical data and results.
- I hereby consent to the copying or reproduction of this Assessment Report following the confidentiality period.

Dated this 15^{h} day of June, 2021.

Jody Dahrouge, B.Sc., Sp.C., P.Geo.

APEGA M48123

I, Andrew Shumilak, residing at 7446 Ellesmere Way, Sherwood Park, Alberta, do hereby certify that:

- I am a geologist of Dahrouge Geological Consulting Ltd., Suite 103, 10183 - 112 St., Edmonton, Alberta, T5K 1M1.
- I am a 2016 graduate of the University of Alberta, Edmonton, Alberta with a B.Sc. in Geology.
- I have practiced my profession as a geologist intermittently in 2017, and continuously since 2018.
- I am a registered Geologist in Training with the Association of Professional Engineers and Geoscientists of Alberta, member 214310.
- I co-managed the 2020 work described in this report.
- I am co-author of the report entitled "2020 Geological and Geochemical Exploration on the Canyon Mountain Property" and accept responsibility for the veracity of technical data and results.
- I hereby consent to the copying or reproduction of this Assessment Report following the confidentiality period.

Dated this 15th day of June, 2021.

Andrew Shumilak, B.Sc., G.I.T.

APEGA 214310

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APPENDIX 1: ITEMIZED COST STATEMENT FOR THE 2020 EXPLORATION

a) Personnel								
A. Shumilak, geologist								
36.85	hrs		project management, field work and travel					
16.37	hrs		project planning & preparations, reporting					
53.22	hrs	@	$ 59.00		$	3,140.01		
A. Shumilak, geologist								
12.04	hrs		project planning & preparations, reporting					
12.04	hrs	@	$ 69.00		$	831.04		
S. Holmes, geologist								
35.21	hrs		field work and travel					
0.41	hrs		project preparations, data entry					
35.62	hrs	@	$ 59.00		$	2,101.44		
P. Mickelsen, student								
0.93	hrs		project preparations, data entry					
0.93	hrs	@	$ 45.00		$	41.69		
A. Ullrich, student								
35.82	hrs		field work and travel					
2.47	hrs		project preparations, data entry					
38.29	hrs	@	$ 45.00		$	1,723.24		
T. Anderson, student								
35.21	hrs		field work and travel					
35.21	hrs	@	$ 39.00		$	1,373.03		
J. Kerr, receptionist								
0.72	hrs		logistics, prepare shipments					
0.72	hrs	@	$ 40.00		$	28.82		
							$	9,239.28
b) Food and Accommodation								
13.18	man-days	@	$ 103.95	accommodations (hotel rooms)	$	1,369.69		
14.82	man-days	@	$ 70.00	meals	$	1,037.65		
							$	2,407.34
c) Transportation								
	Vehicles:		Truck rental	Driving Force (Whitehorse)	$	473.09		
			Fuel		$	51.72		
							$	524.81
d) Instrument Rental								
			Laptop		$	28.82		
			Radios		$	37.47		
			Satellite Phone		$	17.29		
							$	83.59
e) Analyses			Central Lab of Graymont Western U.S. Inc. (50 rock samples)					
50	samples	@	$ 4.50	Preparation fee	$	225.00		
50	samples	@	$ 25.00	Sample analysis	$	1,250.00		
							$	1,475.00

f) Other

Shipping	$ 129.71		
Disposable Supplies	$ 118.47		
Overhead & Supply	$ 350.00		
		$	598.17
Total		$	14,328.19

Andrew Shumilak, B.Sc., G.I.T.

Edmonton, Alberta
June 15, 2021

APPENDIX 2: ANALYTICAL LABORATORY INFORMATION AND TECHNIQUES

Name and Address of the Lab:

Graymont Western US Inc., Western Region Office
585 W Southridge Way
Sandy, Utah, 84070

Statement of Qualifications:

Jared Leikam, Graymont Central Lab Supervisor, obtained a B.S. in Chemistry from the University of Utah in the class of 2003. Jared started working for Graymont in February of 2004 and has been working with the ICP Spectrometer for 14 years.

Sample Preparation, Procedures, Reagents, Equipment, etc.:

For the ICP sample preparation, 0.5 grams of the sample is mixed with 3 g of lithium carbonate. The sample and the lithium carbonate are then fused together in a muffle furnace at 850°C. Following the fusion process, the samples are dissolved in 1:1 HCl; a total of 40 mL 1:1 HCl is used in the dissolving process. The samples are then diluted to 200 mL and spiked with 10 ppm Co. Cobalt is used as an internal standard. At this point the samples are ready for analysis on the Perkin Elmer, Optima 7300V.

Mesh Size Fraction, Split and Weight of Sample:

Upon receiving the samples, the prep room technician crushes the stone down to a -3/8-inch sizing. The technician then riffles and splits the stone down to a manageable size (roughly 200 g). The stone is then dried in an oven at 105ºC. Once the samples have been dried, they get pulverized in a Bico Disc Mill, so that 90% of the powder is passing a 75um screen. A split of this pulverized material is bagged up, given a barcode label and then set to the analytical lab for testing.

Quality Control Procedures:

The ICP spectrometer is calibrated with two certified reference materials prior to analyzing a batch of samples. A batch typically contains 96 samples. Every 12th sample in a batch is a certified limestone reference sample. In addition to the 8 reference samples imbedded in the batch, there are 2 limestone reference samples analyzed at the beginning and at the end of each batch. Every element being analyzed in a sample is backed up by data that we collect from the certified reference materials being analyzed within each batch of samples. We also use an internal standard (10 ppm Co) to further ensure the quality and accuracy of the analysis.

APPENDIX 3: ASSAY RESULTS – CENTRAL ANALYTICAL LABORATORY OF GRAYMONT WESTERN U.S. INC

Lab ID	Date	Type	Sample	Status	$CaCO_3$	$MgCO_3$	Fe_2O_3	Al_2O_3	SrO	MnO	SiO_2	BaO	K_2O	Na_2O	P_2O_5	TiO_2	ICP Total	Sulfur	LOI 1000 C
					%	%	%	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	%
2020111872	1/9/2020	Limestone	75792	B	96.6	1.00	0.10	0.25	402	44	1.01	25	563	67	665	76	99.1	0.01	43.2
2020111873	1/9/2020	Limestone	75793	B	98.0	1.03	0.04	0.12	252	45	0.37	9	249	<20	343	39	99.6	0.01	43.1
2020111874	1/9/2020	Limestone	75794	B	97.8	1.05	0.09	0.28	252	41	1.01	20	671	48	377	87	100.4	0.01	43.2
2020111875	1/9/2020	Limestone	75795	B	98.2	1.00	0.06	0.17	314	38	0.74	11	394	52	633	47	100.3	0.01	43.3
2020111876	1/9/2020	Limestone	75796	B	95.8	1.05	0.13	0.50	284	43	1.85	60	1357	158	540	184	99.6	0.01	42.7
2020111877	1/9/2020	Limestone	75797	B	98.0	0.94	0.06	0.19	248	43	0.79	18	447	83	404	58	100.1	0.01	43.0
2020111878	1/9/2020	Limestone	75798	B	99.1	0.84	0.02	0.09	232	45	0.56	6	190	<20	404	23	100.7	0.01	43.1
2020111879	1/9/2020	Limestone	75799	B	97.5	1.00	0.13	0.35	315	54	1.42	35	696	245	560	126	100.6	0.01	42.7
2020111880	1/9/2020	Limestone	75800	B	96.9	1.11	0.06	0.24	307	53	0.86	27	574	83	856	86	99.4	0.01	43.1
2020111896	1/9/2020	Limestone	75816	B	98.7	1.00	0.04	0.19	353	64	0.84	15	365	55	1063	64	101.0	0.01	42.0
2020111897	1/9/2020	Limestone	75817	B	98.5	0.86	0.03	0.14	390	50	0.57	15	270	32	954	40	100.3	0.01	42.6
2020111898	1/9/2020	Limestone	75818	B	97.8	0.94	0.03	0.12	360	60	0.41	11	290	78	874	38	99.5	0.01	43.0
2020111899	1/9/2020	Limestone	75819	B	98.3	0.86	0.03	0.12	388	46	0.41	13	228	<20	709	37	99.9	0.01	43.0
2020111900	1/9/2020	Limestone	75820	B	97.8	0.98	0.05	0.21	302	46	0.58	16	444	24	379	70	99.8	0.01	42.9
2020111901	1/9/2020	Limestone	75821	B	98.7	0.84	0.06	0.19	233	51	0.60	15	422	<20	940	54	100.6	0.01	42.5
2020111902	1/9/2020	Limestone	75822	B	96.2	0.94	0.08	0.28	659	58	1.86	31	682	<20	641	108	99.6	0.01	42.2
2020111903	1/9/2020	Limestone	75823	B	94.6	1.72	0.13	0.42	622	63	2.32	56	1273	30	557	136	99.5	0.01	42.7
2020111904	1/9/2020	Limestone	75824	B	98.2	0.82	0.07	0.21	280	57	0.76	23	570	<20	955	66	100.2	0.01	43.2
2020111905	1/9/2020	Limestone	75825	B	99.1	0.82	0.05	0.16	249	50	0.39	10	350	<20	402	37	100.6	0.01	43.3
2020111906	1/9/2020	Limestone	75826	B	98.7	0.77	0.02	0.09	465	28	0.36	3	133	<20	246	30	100.0	0.01	43.2
2020111907	1/9/2020	Limestone	75827	B	99.1	0.77	0.04	0.08	488	26	0.36	21	141	<20	342	18	100.4	0.01	43.0
2020111908	1/9/2020	Limestone	75828	B	97.8	1.21	0.06	0.23	356	72	0.70	24	436	53	1733	69	100.3	0.01	43.0
2020111909	1/9/2020	Limestone	75829	B	97.3	1.15	0.05	0.31	428	53	1.03	34	523	600	1225	88	100.1	0.01	42.7
2020111910	1/9/2020	Limestone	75830	B	97.5	1.00	0.04	0.17	470	56	0.80	17	375	68	987	44	99.7	0.01	42.8
2020111911	1/9/2020	Limestone	75831	B	97.3	1.09	0.08	0.18	795	70	0.82	28	336	46	351	54	99.6	0.01	43.0
2020111912	1/9/2020	Limestone	75832	B	97.8	1.13	0.06	0.22	960	38	0.95	44	424	61	385	83	100.4	0.01	43.0
2020111913	1/9/2020	Limestone	75833	B	96.0	1.23	0.15	0.39	1165	63	1.81	81	1021	138	525	137	99.9	0.01	42.9
2020111914	1/9/2020	Limestone	75834	B	97.1	1.30	0.09	0.28	1245	48	1.16	44	433	174	361	80	100.2	0.01	42.8
2020111915	1/9/2020	Limestone	75835	B	91.2	1.03	0.05	0.18	662	30	8.20	23	240	<20	517	47	100.8	0.01	39.5
2020111916	1/9/2020	Limestone	75836	B	93.7	0.90	0.05	0.16	654	27	4.14	21	207	<20	442	47	99.1	0.01	41.8
2020111917	1/9/2020	Limestone	75837	B	94.8	1.13	0.05	0.22	1041	37	3.26	19	196	215	324	54	99.6	0.01	42.2
2020111918	1/9/2020	Limestone	75838	B	97.6	1.19	0.08	0.21	276	54	0.71	22	530	76	381	55	100.0	0.02	43.4
2020111919	1/9/2020	Limestone	75839	B	98.9	0.92	0.03	0.14	216	61	0.33	9	283	<20	239	33	100.4	0.01	43.3
2020111920	1/9/2020	Limestone	75840	B	96.0	1.15	0.11	0.47	254	58	1.30	36	1287	197	569	98	99.3	0.01	42.9
2020111921	1/9/2020	Limestone	75841	B	98.0	0.82	0.03	0.12	204	55	0.39	10	252	64	249	25	99.4	0.01	43.3
2020111922	1/9/2020	Limestone	75842	B	98.5	1.00	0.06	0.18	244	42	0.60	18	434	93	460	77	100.5	0.01	43.3
2020111923	1/9/2020	Limestone	75843	B	98.2	0.98	0.09	0.32	253	48	1.14	34	847	116	489	67	100.9	0.01	43.0
2020111924	1/9/2020	Limestone	75844	B	93.0	3.93	0.30	0.46	813	154	1.59	51	1148	173	486	136	99.6	0.03	43.2
2020111925	1/9/2020	Limestone	75845	B	95.0	3.03	0.09	0.27	758	113	1.81	31	745	155	563	102	100.4	0.02	42.5
2020111926	1/9/2020	Limestone	75846	B	92.5	2.62	0.08	0.20	779	99	5.12	18	451	261	336	84	100.7	0.01	40.7
2020111927	1/9/2020	Limestone	75847	B	97.8	1.44	0.05	0.16	730	83	1.25	16	326	126	266	29	100.9	0.01	42.4
2020111928	1/9/2020	Limestone	75848	B	98.2	1.72	0.03	0.12	1058	32	0.60	15	214	87	174	21	100.8	0.01	42.5
2020111929	1/9/2020	Limestone	75849	B	93.0	1.44	0.21	0.51	1315	183	3.81	50	590	1773	373	145	99.4	0.02	41.4
2020111930	1/9/2020	Limestone	75850	B	93.9	2.13	0.14	0.36	938	127	3.42	42	1245	134	369	76	100.2	0.01	41.6
2020111931	1/9/2020	Limestone	75851	B	94.2	1.17	0.08	0.21	1127	128	3.99	27	677	77	361	56	99.9	0.01	41.1
2020111932	1/9/2020	Limestone	75852	B	93.3	3.93	0.10	0.39	681	90	1.87	33	874	571	289	101	99.9	0.01	42.2
2020111933	1/9/2020	Limestone	75853	B	97.3	1.30	0.07	0.18	661	88	1.03	27	417	97	98	34	100.0	0.01	42.5
2020111934	1/9/2020	Limestone	75854	B	91.7	1.40	0.46	1.23	687	201	4.90	331	1881	4158	513	336	100.5	0.02	39.6
2020111935	1/9/2020	Limestone	75855	B	98.3	1.09	0.06	0.18	374	41	0.71	27	293	361	277	37	100.5	0.01	42.5
2020111936	1/9/2020	Limestone	75856	B	99.2	0.63	0.03	0.08	225	26	0.24	<1	115	71	144	21	100.3	0.01	42.7

APPENDIX 4: 2020 SAMPLE DESCRIPTIONS AND ASSAY RESULTS FROM THE CANYON MOUNTAIN PROPERTY

DAHROUGE GEOLOGICAL CONSULTING LTD.

GRAYMONT

Notes: Stratigraphic thicknesses are based on measured attitudes of bedding listed below, with appropriate interpolations. Attitudes are strike and dip (right-hand rule). Sections are listed in numerical order of samples, which does not necessarily represent stratigraphic order. Most samples consist of chips at 30 cm intervals. UTM coordinates are NAD83, Zone 8N. Sample locations are shown in Figure 4.2. Stratigraphy Abbreviations: Th - Triassic Aksala Formation (Hancock Member). Sample size: 10-12 chips or pieces that are approximately 2"x1.5"x1.5" per chip.

Isolated Samples

Sample	Strat Unit	Strat Tkns (m)	Description	$CaCO_3$ (%)	$MgCO_3$ (%)	SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	SrO (ppm)	MnO (ppm)	P_2O_5 (ppm)
75828 UTM 505771E, 6726853N	Th	3	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to massively-bedded, alteration: oxide, contact-related, weak to moderate intensity, moderate HCl reaction, structure(s): bedding (undulatory), local-scale, 307/41 NE	97.80	1.21	0.70	0.230	0.060	356	72	1733
75837 UTM 505774E, 6726917N	Th	2.25	**Lime Mudstone to Lime Wackestone,** light grey to dark grey weathered, medium grey to dark grey fresh, micritic to very fine-grained, fissile, alteration: oxide, fracture-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	94.80	1.13	3.26	0.220	0.050	1041	37	324
75844 UTM 506469E, 6724400N	Th	grab	**Slightly Dolomitic Lime Packstone to Slightly Dolomitic Lime Wackestone,** dark grey to tan-grey weathered, light grey to dark grey fresh, micritic to medium-grained, nodular, moderate HCl reaction	93.00	3.93	1.59	0.460	0.300	813	154	486
75845 UTM 506586E, 6724201N	Th	1.25	**Slightly Dolomitic Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: oxide, contact-related, moderate intensity, moderate HCl reaction, structure(s): bedding (undulatory), outcrop-scale, 311/64 NE	95.00	3.03	1.81	0.270	0.090	758	113	563
75846 UTM 506583E, 6724197N	Th	0.75	**Slightly Dolomitic Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: silica; oxide, contact-related, moderate intensity, moderate HCl reaction	92.50	2.62	5.12	0.200	0.080	779	99	336
75847 UTM 506583E, 6724098N	Th	grab	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: oxide, contact-related, moderate intensity, moderate HCl reaction	97.80	1.44	1.25	0.160	0.050	730	83	266
75848 UTM 506596E, 6723975N	Th	3	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: oxide, contact-related, moderate intensity, moderate HCl reaction	98.20	1.72	0.60	0.120	0.030	1058	32	174
75849 UTM 506760E, 6723952N	Th	grab	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: oxide, contact-related, moderate intensity, moderate HCl reaction	93.00	1.44	3.81	0.510	0.210	1315	183	373
75852 UTM 506753E, 6724017N	Th	3	**Slightly Dolomitic Lime Mudstone to Slightly Dolomitic Lime Wackestone,** light grey to medium grey weathered, dark grey fresh, micritic to very fine-grained, massive, alteration: oxide, contact-related, weak intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, weak	93.30	3.93	1.87	0.390	0.100	681	90	289
75853 UTM 506747E, 6724169N	Th	grab	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic to very fine-grained, alteration: oxide, contact-related, weak to moderate intensity, moderate HCl reaction	97.30	1.30	1.03	0.180	0.070	661	88	98

Sample	Strat Unit	Strat Tkns (m)	Description	$CaCO_3$ (%)	$MgCO_3$ (%)	SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	SrO (ppm)	MnO (ppm)	P_2O_5 (ppm)
75854 UTM 506865E, 6724328N	Th	0.25	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic to very fine-grained, alteration: oxide, contact-related, weak to moderate intensity, moderate HCl reaction	91.70	1.40	4.90	1.230	0.460	687	201	513
Section 2020-01 (UTM 505530E, 6727129N)											
75792	Th	1.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, resistant, fissile, alteration: oxide, fracture-related, weak to moderate intensity, weak HCl reaction, structure(s): calcite veinlet, local-scale, moderate; bedding (undulatory), outcrop-scale, 313/69 NE	96.60	1.00	1.01	0.250	0.100	402	44	665
75793	Th	1.5	**Lime Mudstone,** light grey to medium grey weathered and fresh, micritic, thinly-bedded to thickly-bedded, resistant, fissile, alteration: oxide, fracture-related, weak to moderate intensity, weak HCl reaction, structure(s): calcite veinlet, local-scale, weak	98.00	1.03	0.37	0.120	0.040	252	45	343
75794	Th	0.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, fissile, nodular, alteration: oxide, fracture-related, weak intensity, strong fetid odour, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak; bedding (undulatory), outcrop-scale, 306/67 NE	97.80	1.05	1.01	0.280	0.090	252	41	377
75795	Th	2.5	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic to fine-grained, thinly-bedded to thickly-bedded, resistant, fissile, alteration: oxide, fracture-related, weak to moderate intensity, weak HCl reaction	98.20	1.00	0.74	0.170	0.060	314	38	633
Section 2020-02 (UTM 505575E, 6727061N)											
75796	Th	3.5	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to moderately-bedded, resistant, fissile, nodular, alteration: oxide, fracture-related, weak to moderate intensity, moderate HCl reaction	95.80	1.05	1.85	0.500	0.130	284	43	540
75797	Th	2.25	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to moderately-bedded, resistant, fissile, nodular, alteration: oxide, fracture-related, weak to moderate intensity, weak HCl reaction	98.00	0.94	0.79	0.190	0.060	248	43	404
75798	Th	2.75	**Lime Mudstone to Recrystallized Limestone,** light grey to medium grey weathered, medium grey fresh, micritic, thinly-bedded to moderately-bedded, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction	99.10	0.84	0.56	0.090	0.020	232	45	404
75799	Th	2.5	**Lime Mudstone to Recrystallized Limestone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction	97.50	1.00	1.42	0.350	0.130	315	54	560
75800	Th	0.5	**Lime Mudstone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction	96.90	1.11	0.86	0.240	0.060	307	53	856
75816	Th	2.5	**Lime Mudstone,** light grey to medium grey weathered, medium grey fresh, micritic, thinly-bedded to moderately-bedded, resistant, fissile, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, weak HCl reaction	98.70	1.00	0.84	0.190	0.040	353	64	1063
75817	Th	3.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, massive, resistant, alteration: oxide, localized, weak intensity, moderate HCl reaction	98.50	0.86	0.57	0.140	0.030	390	50	954

Sample	Strat Unit	Strat Tkns (m)	Description	$CaCO_3$ (%)	$MgCO_3$ (%)	SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	SrO (ppm)	MnO (ppm)	P_2O_5 (ppm)
75818	Th	3	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, massive, resistant, cherty, alteration: oxide, localized, weak intensity, moderate HCl reaction	97.80	0.94	0.41	0.120	0.030	360	60	874
75819	Th	4.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, massive, resistant, cherty, alteration: oxide, localized, weak intensity, moderate HCl reaction	98.30	0.86	0.41	0.120	0.030	388	46	709
Section 2020-03 (UTM 505620E, 6726982N)											
75820	Th	2.5	**Lime Mudstone,** light grey to medium grey weathered, medium grey fresh, micritic, massive, alteration: oxide, fracture-related, weak intensity, moderate HCl reaction	97.80	0.98	0.58	0.210	0.050	302	46	379
75821	Th	2.25	**Lime Mudstone,** light grey to medium grey weathered, medium grey fresh, micritic, thinly-bedded to massively-bedded, resistant, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	98.70	0.84	0.60	0.190	0.060	233	51	940
Section 2020-04 (UTM 505615E, 6726963N)											
75822	Th	4.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, very weak; bedding (undulatory), outcrop-scale, 305/83 NE	96.20	0.94	1.86	0.280	0.080	659	58	641
75823	Th	4.25	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, very weak	94.60	1.72	2.32	0.420	0.130	622	63	557
Section 2020-05 (UTM 505629E, 6726930N)											
75824	Th	5.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	98.20	0.82	0.76	0.210	0.070	280	57	955
75825	Th	1.5	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak; bedding (undulatory), outcrop-scale, 312/76 NE	99.10	0.82	0.39	0.160	0.050	249	50	402
Section 2020-06 (UTM 505627E, 6726917N)											
75826	Th	4.25	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, very weak	98.70	0.77	0.36	0.090	0.020	465	28	246
75827	Th	2.5	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, resistant, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, very weak	99.10	0.77	0.36	0.080	0.040	488	26	342

Sample	Strat Unit	Strat Tkns (m)	Description	$CaCO_3$ (%)	$MgCO_3$ (%)	SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	SrO (ppm)	MnO (ppm)	P_2O_5 (ppm)
Section 2020-07 (UTM 505795E, 6726848N)											
75829	Th	3	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, massive, alteration: oxide, fracture-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	97.30	1.15	1.03	0.310	0.050	428	53	1225
75830	Th	2.75	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, massive, alteration: oxide, fracture-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	97.50	1.00	0.80	0.170	0.040	470	56	987
Section 2020-08 (UTM 505802E, 6726870N)											
75831	Th	4.25	**Lime Mudstone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, alteration: oxide, fracture-related, weak intensity; oxide, contact-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak; calcite vein, local-scale, weak	97.30	1.09	0.82	0.180	0.080	795	70	351
75832	Th	4.25	**Lime Mudstone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded to thickly-bedded, alteration: oxide, fracture-related, weak intensity; oxide, contact-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	97.80	1.13	0.95	0.220	0.060	960	38	385
75833	Th	3.5	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thickly-bedded to massively-bedded, alteration: oxide, fracture-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	96.00	1.23	1.81	0.390	0.150	1165	63	525
75834	Th	1	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thickly-bedded to massively-bedded, alteration: oxide, fracture-related, weak to moderate intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, weak	97.10	1.30	1.16	0.280	0.090	1245	48	361
Section 2020-09 (UTM 505789E, 6726922N)											
75835	Th	5.75	**Lime Mudstone to Lime Wackestone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic to fine-grained, moderately-bedded to thickly-bedded, alteration: silica; oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, weak; bedding (possible), outcrop-scale, 326/75 NE	91.20	1.03	8.20	0.180	0.050	662	30	517
75836	Th	2.25	**Lime Mudstone to Lime Wackestone,** medium grey to tan-grey weathered, medium grey to dark grey fresh, micritic to fine-grained, moderately-bedded to thickly-bedded, alteration: oxide, fracture-related, weak to moderate intensity; oxide, contact-related, weak to moderate intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, weak	93.70	0.90	4.14	0.160	0.050	654	27	442
Section 2020-10 (UTM 505767E, 6726904N)											
75838	Th	2.75	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, cherty, alteration: oxide, fracture-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, very weak	97.60	1.19	0.71	0.210	0.080	276	54	381
75839	Th	4	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, alteration: oxide, fracture-related, weak intensity, moderate HCl reaction, structure(s): calcite veinlet, local-scale, very weak	98.90	0.92	0.33	0.140	0.030	216	61	239
75840	Th	3.25	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, thinly-bedded to thickly-bedded, fissile, alteration: oxide, fracture-related, weak intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, very weak; bedding (undulatory), outcrop-scale, 329/79 NE	96.00	1.15	1.30	0.470	0.110	254	58	569

Sample	Strat Unit	Strat Tkns (m)	Description	$CaCO_3$ (%)	$MgCO_3$ (%)	SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	SrO (ppm)	MnO (ppm)	P_2O_5 (ppm)
Section 2020-11 (UTM 505754E, 6726892N)											
75841	Th	3.5	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to thickly-bedded, fissile, strong HCl reaction	98.00	0.82	0.39	0.120	0.030	204	55	249
75842	Th	3.25	**Lime Mudstone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to thickly-bedded, fissile, strong HCl reaction, structure(s): bedding (undulatory), outcrop-scale, 329/74 NE	98.50	1.00	0.60	0.180	0.060	244	42	460
75843	Th	2	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to fine-grained, thinly-bedded to thickly-bedded, fissile, strong HCl reaction	98.20	0.98	1.14	0.320	0.090	253	48	489
Section 2020-12 (UTM 506755E, 6723986N)											
75850	Th	3	**Lime Mudstone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic, thinly-bedded, fissile, alteration: oxide, contact-related, moderate intensity, moderate HCl reaction	93.90	2.13	3.42	0.360	0.140	938	127	369
75851	Th	3.5	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey to dark grey fresh, micritic to fine-grained, thinly-bedded, nodular, alteration: oxide, fracture-related, weak to moderate intensity, strong HCl reaction, structure(s): calcite veinlet, local-scale, moderate	94.20	1.17	3.99	0.210	0.080	1127	128	361
Section 2020-13 (UTM 506869E, 6724337N)											
75855	Th	2.75	**Lime Mudstone to Lime Wackestone,** light grey to medium grey weathered, medium grey fresh, micritic to very fine-grained, alteration: oxide, fracture-related, weak to moderate intensity, strong HCl reaction	98.30	1.09	0.71	0.180	0.060	374	41	277
75856	Th	0.5	**Lime Mudstone to Lime Wackestone,** light grey weathered, light grey to dark grey fresh, micritic, nodular, alteration: oxide, fracture-related, weak to moderate intensity, weak HCl reaction	99.20	0.63	0.24	0.080	0.030	225	26	144

F1

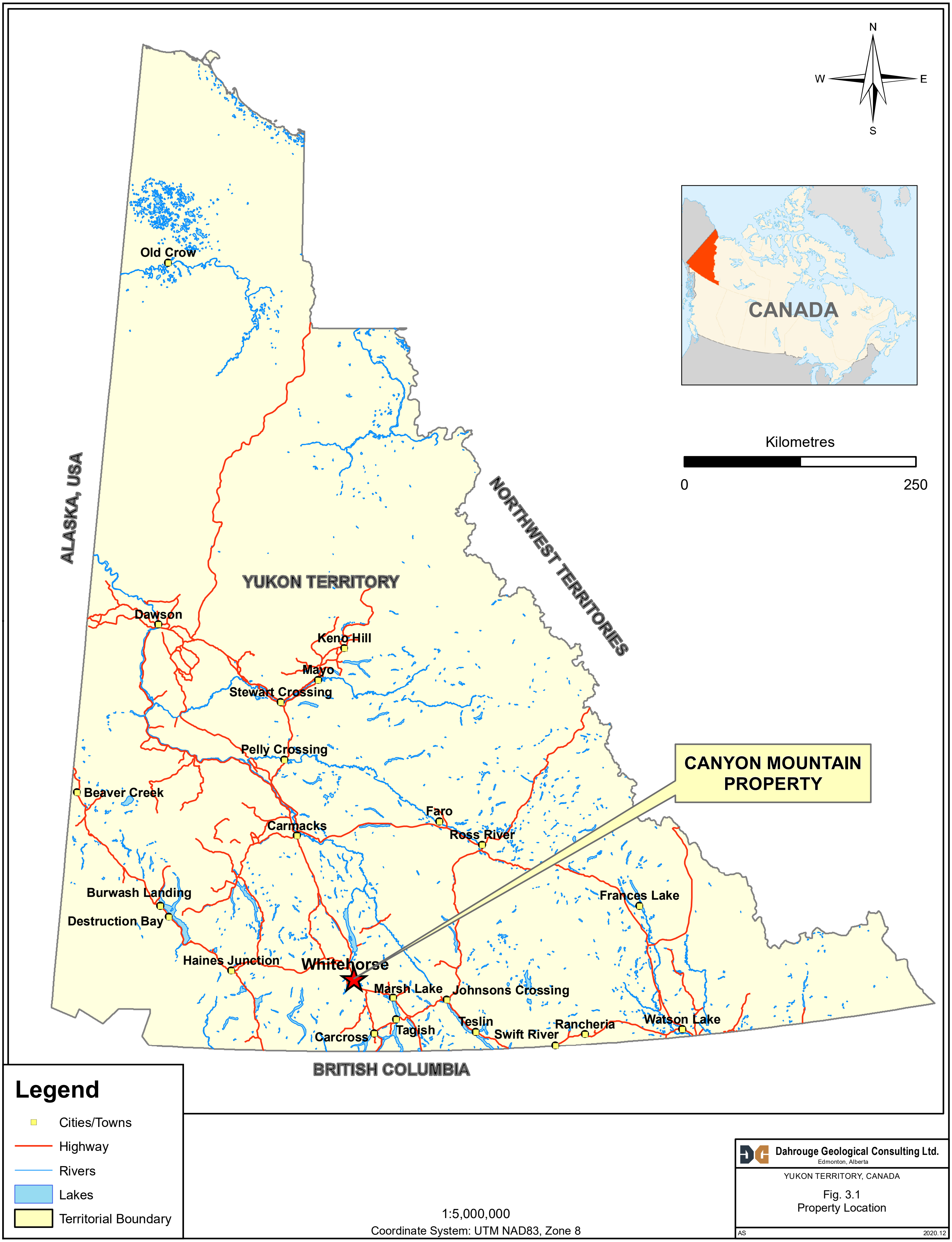
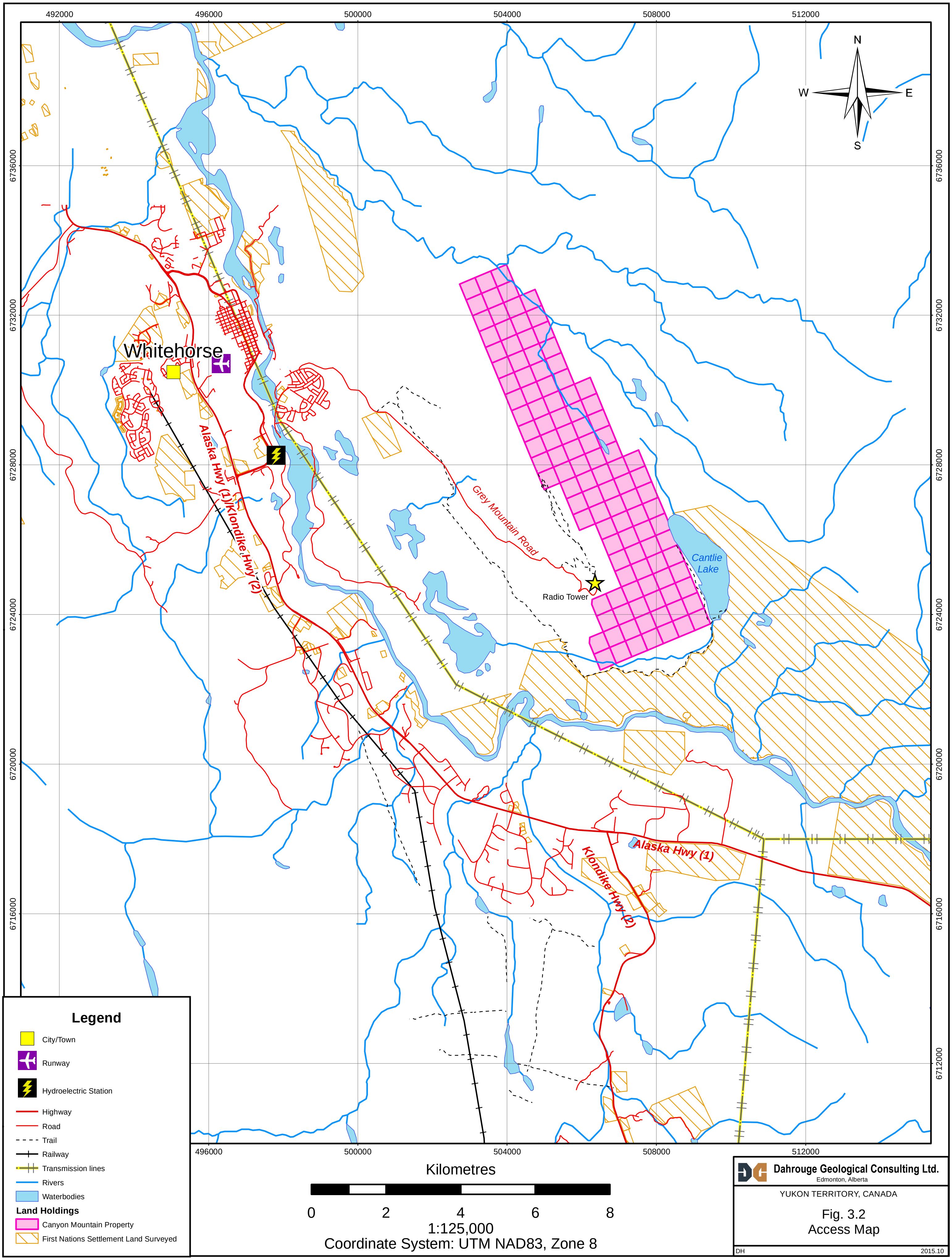


Fig. 3.1
Property Location



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Edmonton, Alberta

YUKON TERRITORY, CANADA

Fig. 3.2
Access Map

DH 2015.10

F3

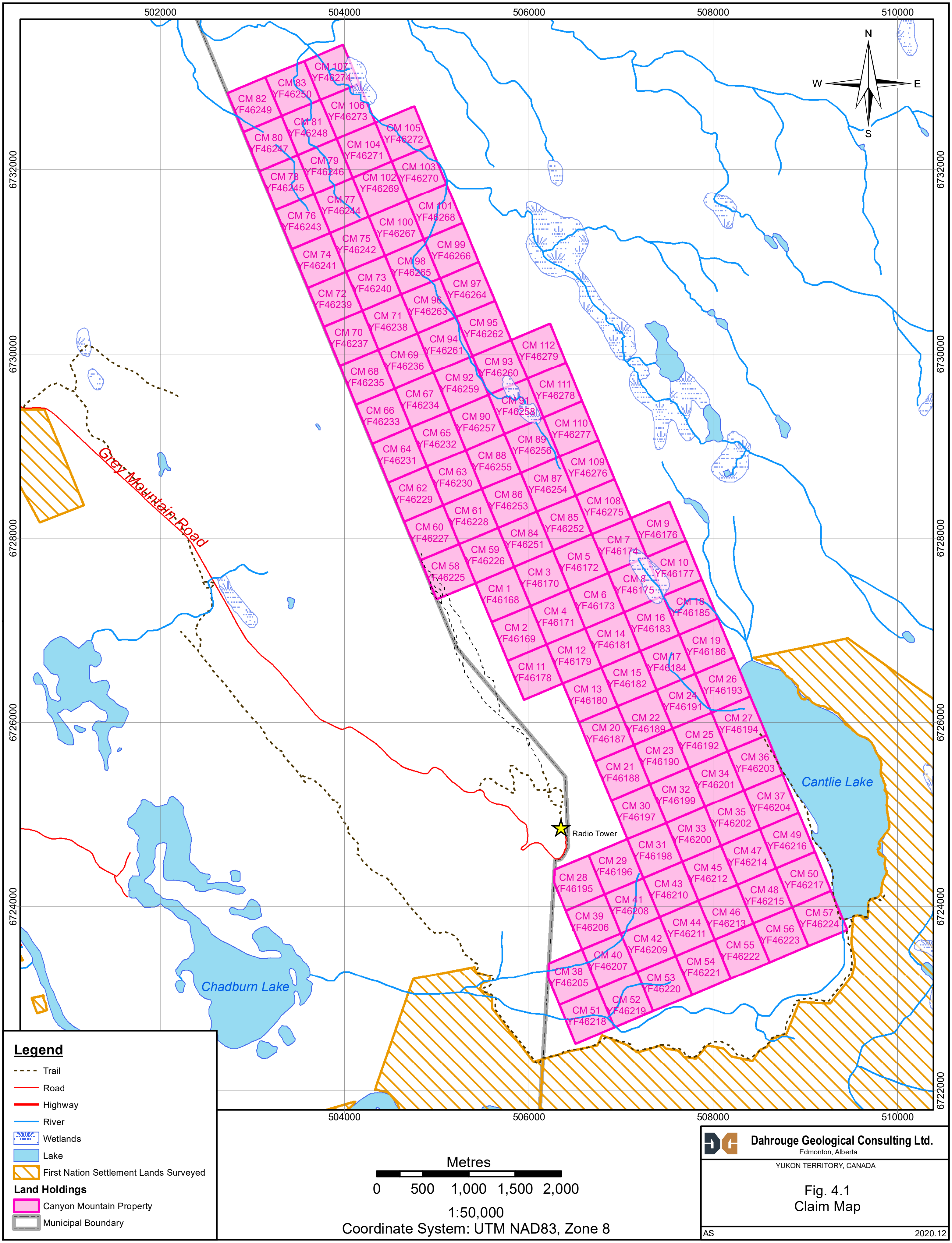
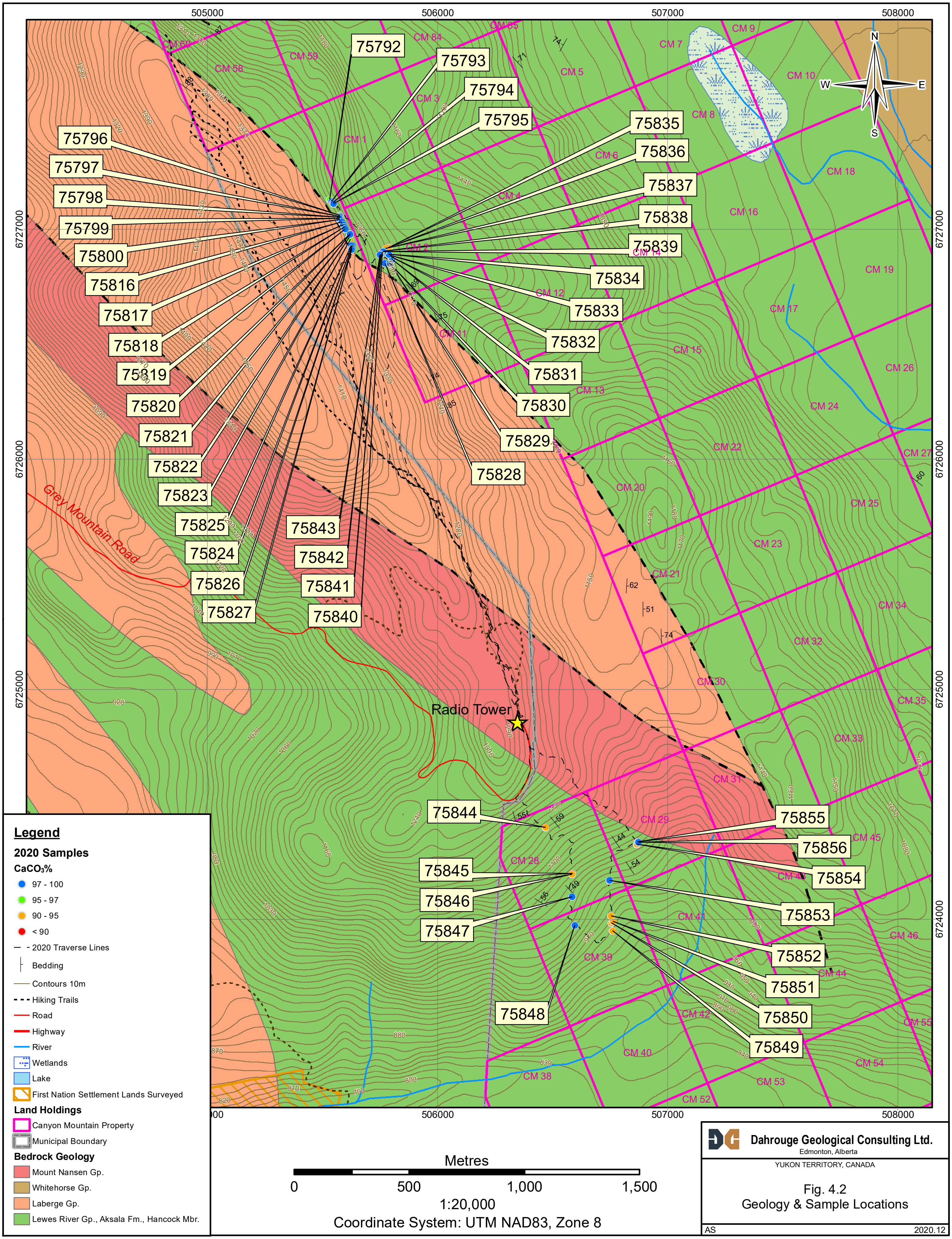


Fig. 4.1
Claim Map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75830
75829
75828
Grey Mountain Road
Radio Tower
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75845
75846
75847
75848
75855
75856
75854
75853
75852
75851
75850
75849
N
S
E
W
Legend
2020 Samples
CaCO3%
97 - 100
95 - 97
90 - 95
< 90
2020 Traverse Lines
Bedding
Contours 10m
Hiking Trails
Road
Highway
River
Wetlands
Lake
First Nation Settlement Lands Surveyed
Land Holdings
Canyon Mountain Property
Municipal Boundary
Bedrock Geology
Mount Nansen Gp.
Whitehorse Gp.
Laberge Gp.
Lewes River Gp., Aksala Fm., Hancock Mbr.
Metres
0
500
1,000
1,500
1:20,000
Coordinate System: UTM NAD83, Zone 8
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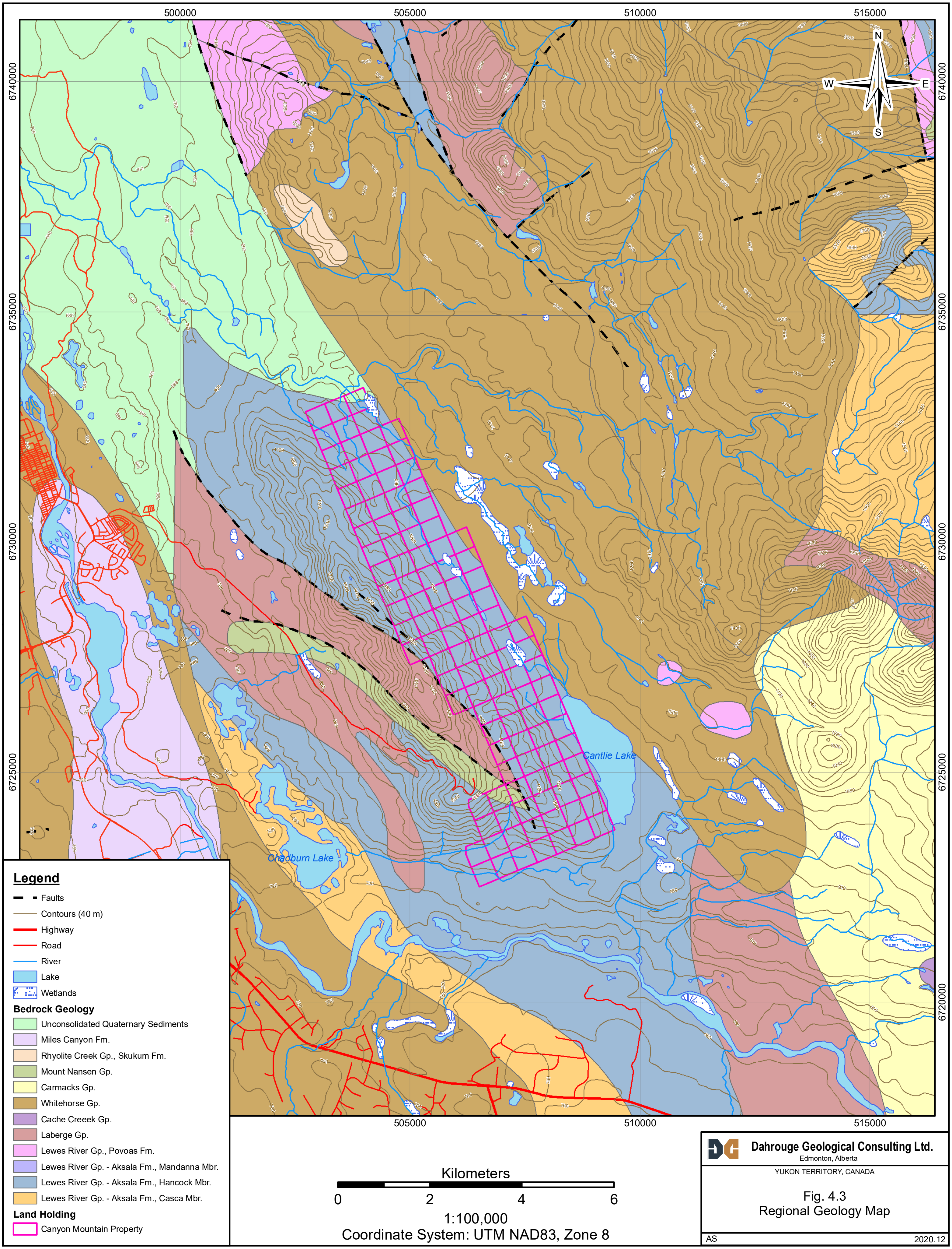
Edmonton, Alberta
YUKON TERRITORY, CANADA
Fig. 4.2
Geology & Sample Locations
AS
2020.12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N
S
W
E
Cantlie Lake
Chadburn Lake
Legend
Faults
Contours (40 m)
Highway
Road
River
Lake
Wetlands
Bedrock Geology
Unconsolidated Quaternary Sediments
Miles Canyon Fm.
Rhyolite Creek Gp., Skukum Fm.
Mount Nansen Gp.
Carmacks Gp.
Whitehorse Gp.
Cache Creeek Gp.
Laberge Gp.
Lewes River Gp., Povoas Fm.
Lewes River Gp. - Aksala Fm., Mandanna Mbr.
Lewes River Gp. - Aksala Fm., Hancock Mbr.
Lewes River Gp. - Aksala Fm., Casca Mbr.
Land Holding
Canyon Mountain Property
Kilometers
0
2
4
6
1:100,000
Coordinate System: UTM NAD83, Zone 8
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Fig. 4.3
Regional Geology Map
AS
2020.12