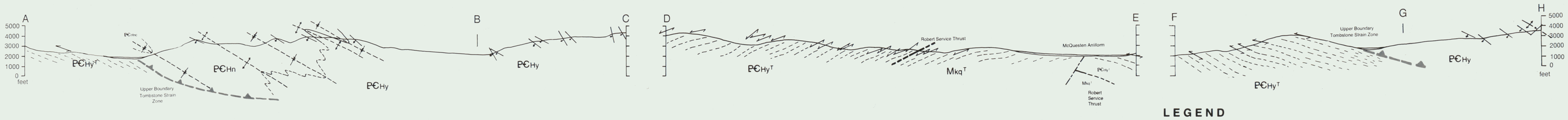

Canada

Yukon Government

Topographic base map produced and printed by the SURVEYS AND MAPPING BRANCH, DEPARTMENT OF MINES AND TECHNICAL SURVEYS, 1961, from air photographs taken in 1948 and 1953.

Carte topographique établie et imprimée par la DIRECTION DES LEVÉS ET DE LA CARTOGRAPHIE, MINISTÈRE DES MINES ET DES RELEVÉS TECHNIQUES en 1961. Après les photographies aériennes prises en 1948 et 1953.

SEATTLE CREEK

YUKON TERRITORY

Use diagram only to obtain numerical values
APPROXIMATE MEAN DECLINATION 1961
FOR CENTRE OF MAP

Roads:	Routes:
all weather	toute saison
dry weather	période sèche
cart track	de terre
trail or portage	sentier ou portage
Railway, normal gauge, single track	Chemin de fer voie unique (écartement normal)
Power transmission line	Ligne de transport d'énergie
Mine or Open cut	Mine ou fosse à ciel ouvert
Horizontal control point, with elevation	Point géodésique avec cote ..... 414 △
Bench mark, with elevation	Repère de nivellement avec cote ..... BM 157 +

SCALE 1:50,000 ÉCHELLE

Miles 0 1 2 3 Miles
Metres 1000 500 0 1000 2000 3000 4000 Mètres
Yards 1000 500 0 1000 2000 3000 4000 Verges

CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉQUIDISTANCE DES COURBES: 100 PIEDS
Élévations en pieds au-dessus du niveau moyen de la mer
Réseau géodésique nord-américain unifié (1927)
Projection transverse de Mercator

MAGNETIC DECLINATION 33°27' EAST
AT CENTRE OF MAP 1961
Annual change (decreasing) 4'

DÉCLINAISON MAGNÉTIQUE AU CENTRE
DE LA FEUILLE EN 1961 : 33°27' EST
Variation annuelle (décroissante) 4'

The nomenclature on this map has not been submitted to the Canadian Board on Geographical Names and may be subject to change. Information on names is invited by the Surveys and Mapping Branch.

La nomenclature de la présente carte n'a pas été soumise à la Commission de toponymie du Canada. Elle peut donc faire par conséquent, elle pourrait faire l'objet d'une révision. Tous renseignements sur les noms seront bien accueillis par la Direction des levés et de la cartographie.

Building	Bâtiment	Barn	Grange
School	École	Post Office	Bureau de poste
Church	Église	Cemetery	Cimetière
Lighthouse	Phare		
River with bridge	Rivière avec pont		
Stream, intermittent or dry	Cours d'eau intermittent ou à sec		
Lake intermittent, indefinite	Lac intermittent, niveau imprécise		
Marsh or Swamp	Marais ou marécage		
Depression contours	Courbes de cuvette		

116 A/3	116 A/2	116 A/1
115 P/14 Murphy et al (1993)	115 P/15 Murphy and Heon (1994)	115 P/16 THIS MAP
115 P/11	115 P/10	115 P/9

LEGEND

QUATERNARY

Q_2 — Unconsolidated, sand, silt, gravel, clay and organic deposits in modern valley fill (coarse stipple indicates approximate extent of gold placer workings)

Q_1 — Unconsolidated sand and/or gravel deposits at elevations higher than alluvium filling modern valleys

LATE CRETACEOUS

Undifferentiated

Kg — Fine- to medium-grained equigranular to weakly porphyritic biotite granite (Morrison Creek stock and small unnamed stock on southern edge of map)

Tombstone intrusions

mKg — Medium- to coarse-grained, locally porphyritic (locally potassium feldspar megacrystic) biotite-hornblende quartz monzonite (Scheelite Dome stock, 90.4 +/- 2.6 Ma; K-Ar biotite, Kuran et al. 1982)

HANGING WALL OF TOMBSTONE STRAIN ZONE

UPPER PROTEROZOIC - LOWER CAMBRIAN

Hyland Group[1]

PЄHn — Narchilla Formation[1]: maroon and green phyllite with cm-scale grey-green siltstone laminations, locally calcareous sandstone and pebbly sandstone, and sandy marble/limestone; PЄHnc, sandy marble/limestone, locally with limestone-clast breccia, thick enough to show at 1:50 000 scale[2].

PЄHy — Yusezyu Formation[1]: grey-green phyllite, meta-sandstone and pebbly meta-sandstone and rare sandy marble/limestone; PЄHyc, carbonate- and calc-silicate-rich units[2]

WITHIN TOMBSTONE STRAIN ZONE

MISSISSIPPIAN

Mkq^T — Keno Hill quartzite: Finely to coarsely foliated and lineated, light to dark grey, locally mottled vitreous quartzite, subordinate grey, locally carbonaceous phyllite, and rare green-grey phyllite, which may be infolds of older Earn Group

UPPER PROTEROZOIC

Hyland Group

PЄHy^T — Yusezyu Formation: prominently foliated and lineated muscovite-chlorite phyllite, quartzofeldspathic and micaceous psammite, gritty psammite, rare calc-silicate rock and marble; PЄHyd, mappable bands of marble and calc-silicate rock[2]

[1] Yusezyu and Narchilla formations are defined by Gordey and Anderson (1993) based on work in Nahanni map area (105I).

[2] Yusezyu and Narchilla formations are intruded by intermediate to mafic sills and dykes of unknown age that are too small to portray at the scale of mapping.

[3] Keno Hill quartzite is intruded by podiform meta-diorite bodies of probable mid-Triassic age (Mortensen and Thompson, 1990) that are too small to portray at the scale of mapping.

SYMBOLS

- Geological contact (defined, approximate)
- Limit of outcrop
- Fault (defined, approximate, assumed)
- Thrust fault (teeth on hanging wall)
- Gradational upper boundary of Tombstone Strain Zone
- Anticline or antiform
- Anticline, overturned
- Syncline, overturned
- Airphoto lineament
- Bedding (upright, overturned, facing unknown)
- Tombstone Strain Zone
- Location of 1994 samples enumerated in Table 1 (4, 6)
- Area of tourmaline alteration and hornfels at 'Black Hill'
- Line of cross-section (A — B)
- Summer road

MINERAL OCCURRENCES

Yukon Minfile No.	Name	Deposit type
115P 001	JAYBEE	Pb-Zn-Ag vein
115P 002	SEATTLE	Pb-Zn-Ag vein
115P 003	HAWTHORNE	Au-Ag-Sb vein
115P 004	SCHEELITE DOME	W skarn, intrusion-hosted Au vein
115P 028	SECRET	work target
115P 033	BENNETT	Au vein
115P 048	POTTER	Sn skarn

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This paper accompanies the following report: MURPHY, D.C. and HEON, D., 1995. Geology and mineral occurrences of Seattle Creek map area (NTS 115P/16), western Selwyn Basin, Yukon; In: Yukon Exploration and Geology 1994, Exploration and Geological Services Division, Yukon; Indian and Northern Affairs Canada; p. 58-72.

TABLE 1
ASSAY RESULTS

REF#	SAMPLE #	LOCATION	UTM E zone	UTM N 8	DESCRIPTION		SIGNIFICANT RESULTS Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	Co ppm	Bi ppm	As ppm	Sb ppm	W ppm
1	94DH-17	Scheelite Dome	438811	7074256	gossanous calcsil hfls w po rich pod // Sp	o/c	2930		457			38	68	6837		598
	intrusion-hosted:															
2	94DM-6b	E of Scheelite Dome	439343	7073304	smoky quartz vein in intrusion		486							575		226
3	94DH-148b	trench west of Secret Ck	450353	7097082	lim vuggy feldspar porphyry/metased breccia	s/c				832	239			306	233	
	wall rock-hosted:															
	veins:															
4	94DH-87a	"Black Hill"	441376	7096970	altered sil psam w/ tourm veinlets and qtz vugs	s/c	6						32	4497	206	
5	94DH-89b	"Black Hill"	441676	7097282	0.5 cm wide qtz tourm (scor asp?) in dark psam	flt	170						31	5688	136	
6	94DH-104a	SC gully	444218	7071667	Thin steep quartz py vein	o/c								196		
7	94DH-104c	SC gully	444129	7071729	quartz and nodular arsenopyrite vein	flt	3715	6.2					48	>10 000	113	
8	94DH-104d	SC gully	444299	7071713	4-6 cm wide quartz-asp-scor vein	o/c	5618						82	>10 000	246	79
9	94DH-155a	W side of Rudolph Gulch	440081	7072582	thin qtz vein w/ sulph blebs, remob along Sc?	flt	1582							4657		
10	94DH-155b	W side of Rudolph Gulch	440081	7072582	asp blebs in qtz veinlets and in selv 1x1-5cm	flt	30							486		
11	94DH-155c	W side of Rudolph Gulch	440081	7072582	sulph clots along fract and thin qtz vein	flt	82							1325		
12	94DH-165a	W fork of Bennett Ck	446041	7071201	1-2 cm wide qtz-asp vein w/ sulph blebs in selv	flt	175							700		
13	94DH-165b	W fork of Bennett Ck	446053	7071241	asp on fract/vein w/ qtz,act in bleach psam	flt	1340						20	>10 000		230
14	94DM-269a	SC ridge	444489	7071652	thin discordant qtz-asp vein	o/c								7650		
15	94DM-269b	SC ridge	444489	7071652	asp, py in clots in glassy qtz boudin	o/c	30							3350		
	breccias:															
16	94DH-87-88	"Black Hill"	441439	7096856	gos qtz inj + brecciated grit w/ qtz-lined vugs	o/c	41			799			18	8399	149	
17	94DH-89b	"Black Hill"	441535	7097252	angular tourm breccia, psam-grit Fx	flt								144	61	
18	94DH-89c	"Black Hill"	441856	7097206	breccia, yellow clay alt Fx, hem matrix	flt	7							1010	94	
19	94DH-91	"Black Hill"	442338	7097106	gossanous sil psam breccia	o/c							65	220	1096	
20	94DH-100a	SC claims	445082	7072022	brecc, qtz vein w/ anig qtz Fx + Mn-lim cement	o/c	10							391		
21	94DH-104b	SC gully	444128	7071730	phyll breccia + qtz, small fault	o/c	70							2553		
22	94DH-133	W of North McQuesten river	427438	7078652	brecciated qtz/ps w euhedral qtz + lim in vugs	o/c		6.6			710			429	17	
23	94DH-140	Saddle N of map sheet	446259	7097463	limonitic breccia w/ lim Mn coated vuggy qtz	flt	6			416					28	
24	94DH-149b	NE end of map	447598	7097040	vuggy limonitic breccia w/ Mn coating	flt				594	1141				14	
25	94DM-45a	jctn Seattle/Morrison Cks	445865	7078977	rusty vuggy calc pelite breccia w/ qtz boxwork	flt		60.7		1.63%	1249		62		11	
26	94DM-167	"Black Hill"	441231	7098119	rusty punky breccia	flt	28			329				2608	270	
27	94DM-168	"Black Hill"	441381	7090871	rusty Fe-cemented 3 m wide fault breccia		17							3925	793	
	alteration:															
28	94DH-101	SC claims	445724	7071646	bleached psam w/ Mn, lim fracture coating	o/c	33							87		
29	94DM-268	SC claims	444532	7071846	bleached rusty psammite		6							129		
30	94DM-192	S end of map sheet	436880	7069634	gossanous rusty phyllite		21							3568		

o/c: outcrop flt: float s/c: subcrop tr: trench Fx: fragments

Indian and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

Open File 1995-3 (G)

Geological map of Seattle Creek area Western Selwyn Basin, Yukon NTS 115 P/16

1:50 000-scale

by

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Canada/Yukon Mineral Development Agreement
Geoscience Office

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