Kendall
801376

Kendall Ck. Aug 14/71.

K.D.L. # 1-20 incl. loc. by E.R. Anderson, Terrace, B.C. date

No previous exploration (old) on ground

1965 - Coast Range Exploration Ltd - Geol. + photogeology mainly fract. study + silt (no soil) geochem

General Lithology

Tuffs, minor flows, minor qt. or sulphd. chert.

Note per Duke's air photos relationship & proximity of Kendall Cr. showings to Crassus zone, former is [illegible] strike extn of latter (ENE trend).

Note [illegible] maps (RHB [illegible]) show zone of strong diorite dykes (6-8 of them [illegible] 30'-50' wide.

altn. Alt'n. is per R.H. (Bob) Beaton mainly pyritization plus patchy propylitization (w.s.: also bleaching & silic'n).

Check later w. Smith on location of galena (zoning) w. sp gz - there avg N 30° E.

Note (photo) wing-shaped intr. ± 1½ mi S. of headwater of Kendall Cr. & [illegible] Similar L. Got Mo-Cu geochem. in W.S.W. - following Cr. closely S. of wing-shaped intr.

Claims Name Tag No.

see separate sheet.

Sample:

No. 24305 - taken @ 35' N.W. of Δ65.
- across 3.0' (contact into O.B.) chip-grab
coarsely dissem. cp + py in quartz diorite breccia; Au, 0.005
Ag, 0.40
Cu, 0.44

No. 24306 - Along W. side (exposures) of Kendal Creek u/s of intrusive contact. (see 100-scale map)
Coarsely dispersed cp. in variably silic. & pyritized & bleached volcs. & seds
Au, 0.01
Ag, 0.57
Cu, 1.60%

Aug. 15/71 ①

Return notes in conjunct. w. R.H.B. @ [illegible]

Gen Dept Notes K.D.L.

Claim map: photocopy pending @ 1" = 2640'
Staked May 6/71
Recorded May 26/?76 - A-forms not yet rec'd
staked via witness post (W.P.) loc. north
of junction of Kendal & Kleanza Cr. -
200' vert. scarp. between Kleanza Cr & Kendal Cr
valley; 6'-7' snow to end of June.

Location: O.K.

Access: Road up Kleanza Cr (on N side) to within 1½
mi. to central prospect area; thence by trail up
American Cr. and across nose to Kendal Cr.
— Alternate route via Zymoetz Road to
Mi 10, thence via a N-branch road to
El. 2400' up S. slope of O.K. Range; thence
currently by foot over 3200' saddle and down
N slope to chopper pad 2140' el. — Note loc.
Working season: late May - early Dec. logging rd. to be ext. to within
(Dick providing photocopy of logging roads) 3/8 - 3/4 mi of prop.

Note (Index map can incorp. 1" = Am. geol, photo-
loc. trenches, + ref. maps via Dick's photocopy of
Dick compil'n of Kleanza Mtn area claims.

Direct report to President & Directors Kleanza [illegible] Ltd.
N.P.L., Box 580, Terrace B.C.

W.A. to give Dick a letter stating decision to withdraw
from Kendal Cr. Syndicate, date then Aug 3/71

Gen. Features:
El. range:
Ranges from 800' el. where they cross Kleanza Cr
to 4400' @ Kendal Cr. headwater saddle;
Creek bed steeply incised w. moderate gradient 900'/mi avg.
locally precipitous walls; good access via flanking
& intervening [illegible] creeks / ridges.

History: Discovered by Kendal (not mentioned in min. reports)
one of leading prospectors in area, between 1925-27
in course of searching for source of placer gold deposits
on Kleanza Cr - noting no placer gold found
above confluence of Kleanza & Kendal creeks; discovered
the prominent Kendal Creek gossans. During this period
Kendal Cr. referred to as 5 mi. Cr. or Iron Creek.

History - cont'd

no wk 1927 - 65

1965 (W.C.) Coast Range Explorations Ltd. staked a 6-claim group covering the main Kendal Cr. gossan and the easterly of these exposed in East Kendal Cr. Did geol mapping and sedimnt + silt soil sampling related to gossan zone; all soils adjacent to banks of Kendal Cr; less than 100 in all, stations. Any constructed gravity used helicopter.

Results 30 - 400 ppm Mo } total metal basis
200 - 700 ppm Cu }

Total 7-day program did not provide time, opportunity to follow up geochem anomalies with an adequate amount of ground detailed local exploration of source (up-slope) areas.

1966-69 - Property open for staking (unregistered)

Late 1969: Kendal Creek Synd. formed by R. H. Bates and John Carlson of Terrace, B.C. with intermittent financial support from others.

March, 1970 - property (H-group then) optioned by McIntyre Pore.; Work done ① aeromag survey (Seigel) covering 10 sq. mi. ② Constructed access trail from Kleanza Cr to present heliport, & constructed 2 addn'l heliports. ③ Geochem soil sampling Mo - Cu - Zn over slopes east and west of Kendal Cr (5000' x 3500' ; samples on 100' intervals E-W on lines spaced at 200' - 1600' (N-S.)

Results: gen. S- & W. trending higher than E. half of H. group - results provided no data that could be specifically related to mineraln or areal extent of intrusive; Mag lows, allowing for easterly displace due to topog influence, relate fairly well to recently discovered zones of Cu-Mo-Zn.

Detail re McK-Pore mag.

General Geology

John De Leen has most geol. knowledge of property.

Chaplin: Gossan zone 2500' x 2500' ± prob more elongate in E-W direction

" :- notes intrusive occupies ± $\frac{1}{3}$ of this area

(w.s. note - may not be a unit intrusive but may be a

Composite body over 800'-900' width.

Mike Carter + Bob Beaton – intr. prob a Q-F porph which is well pyritized w. occ. sericite flakes

As far as W.J. knows, it has not been estab. as to whether the intrusive is simple or complex. Also, there may be a main fracture control on the Dardanelles Fault (NW) trend or on the Croesus (ENE) trend – or it may comprise intrusion, fract. & mineral'n at intersect of both fault zones or lineaments. Chaplin intr. may have an E-W trend

Note pyritization + gossan (superficial) most strongly developed where fract. most intense. Also note that property lies at apparent N.W. end of Dardanelles fault zone.

lithology grandi, porph. granodi, q-f porph, fine-grained granite intrusives (note uniform dissem. f-gr py/cp in f-gr aplitic (granite) phase.

W.J. + R.H.B. recon.
mainly within rhyolites, dacites, pale felsic tuffs or [illegible], occ. diorite sills. – local section appear to comprise a mixed feldspathic – acid volc – sed. section

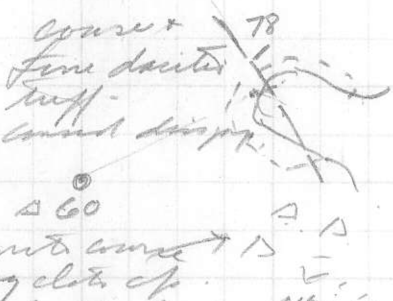
But note J. DeLeen sampled ls beds + ls cgl. or breccia in vicinity

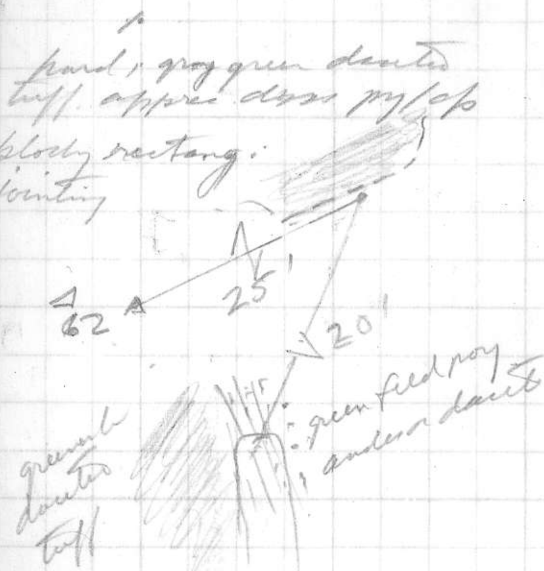
Mineralization

Fine to coarse blebs + vlts. py + cp. in fract. vlcs-seds. Fresh + unox. closely below surf. of iron-stained rocks within the gossan zone (note weathering kept pace w. ox'n.) mineral'n within volcs. is fresh @ surface

Gossan zone incl. intrusive + intruded r.p.

soft gry-green tuff (HCl+) snotty





@ 16' S.15°W of Δ63 is banded greenish dacite or rhyolite. att. N60W + 90°

Course Δ63-64 increasingly fract + ox. w incr in cp (lu)

@ Δ65 - int fault breccia + gouge adjacent to Dardanelles Fault.

silic. rhyolite

@ 15' N of Δ65 - greenish ~~dacite tuff~~, moderately brecciated w

Note coarse cp in milky qz vns cutting gen quartzose rock

Note crude layering @ N10E, 35°W

Plotted

Omineca M.D.
Decl 27°-20'E.

K.D.L. Group
Kendal Cr.
MS+RHP Aug 14/71 (A)

(Ref to RAB NW-SE traverse)

@ 30' NW. of Δ 65 - coarsely broken dacitic tuff.
Coarse sheet fract. many bl. & silic. dacitic tuff.
Sample #Δ65+30' NW. - Coarse brecc. + blub cp in
#24305 92 - dacite breccia. - Assay Cu only.
to B-C. across 3' -
J. DeLeen took his sample (Au Ag)
Δ 63 → 200' NW. (200" length'

at 30' above U/S of last point is 20' thick diorite sill (?)
trend northerly & dipping 30 - 40° W -
at Δ 55 is hw of similar sill. (N, & W dip)
Dick notes same cp down to junction of Kendall Cr &
1st trib.

— Note: Kendall Cr. not described on M.M. reports.
Mick Carter will describe in 1970 M.M. rept.

Plotted

A — Run geoch on 100' x 100' grid over upper (camp) flat; Overall dimensions from RAB sketch.
Follow up w mag survey.

(B) ... to cross-trenching (S60W - N60E) over camp bench (Cu area) and 2-3 dd holes on same brg. @ -45° after trenching. D8 - 38⁰⁰/hr w/o ripper & 45⁰⁰/hr w. ripper. R.D.L. (B)
Aug. 14/71