MAP NO.: 115I 7

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093100
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: DRILLING

REPORT FILED UNDER: WESTERN COPPER HOLDINGS

DATE PERFORMED: MARCH 10 SEPT 20, 1992 **DATE FILED:** JUNE 16, 1993

LOCATION: **LAT.:** 62°21'N **AREA:** WILLIAMS CREEK

LONG.: 136°41'W **VALUE $:** 45,600

CLAIM NAME & NO.: BOY 20 (Y51118), BOY 22 (Y51120), BOY 24 (Y51122), BOY 51-58, (YY51149-56), BOY 83 (Y51181), BOY 85 (Y51183), WAR 22 (Y59373), DUN 1F-3F (Y59382-84), AC 2F-3F (Y91722-23), W50-58 (YB26708-756), W59-80 (YB36452-473), WAR 23-31 (YB36240-248), WAR 32-37 (YB36446-451)

WORK DONE BY: M.H.HOLTBY

WORK DONE FOR: WESTERNCOPPER HOLDINGS LIMITED

DATE TO GOOD STANDING:

REMARKS: DIAMOND DRILLING AND ROTARY DRILLING PROGRAM COMPLETED ELEVEN DD HOLES TOTALLING 1162.4 M, RC TOTALLED 855 M IN 11 HOLES.

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded 16 June '93

TRANSMITTAL FORM

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS JUN 16 1993 WHITEHORSE YUKON TERRITORY

From ▶ Mining Recorder at: Whitehorse

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

- ☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT — Name
- ☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT — Name — Lease no.
- ☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE — Name — Lease no.
- ☐ SECURITY DEPOSIT
- ☐ FINANCIAL ABILITY
- ☐ ASSIGNMENT OF PLACER LEASE NO. — From — To
- ☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT. — Owner
- ☑ DIAMOND DRILL LOGS | Rotary | Claims: BOY, WAR, AC, DUN, W — Claim sheet no.: 115-1-7
- ☐ QUARTZ ASSESSMENT REPORT — Claims — Claim sheet no.

Type of report — Submitted by

ed on — $ req. for ren. application: 45,600.00

Geology.

Location of core is not indicated in Report.

Other than that the Report is approved for the expenditure required based on the $ per foot given in the Schedule of Representation work.

B.B.

M Southwick
Signature

Date returned

093100

Signature

802-37 (7-88)

RECEIVED
JUN 16 1993
RECORDERS OFFICE
WHITEHORSE, Y.T.

ASSESSMENT REPORT

WILLIAMS CREEK PROPERTY

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
JUN 16 1993
WHITEHORSE
YUKON TERRITORY

BOY 20	Y51118
BOY 22	Y51120
BOY 24	Y51122
BOY 51-58	Y51149-156
BOY 83	Y51181
BOY 85	Y51183
WAR 22	Y59373
DUN IF-3F	Y59382-384
AC 2F-3F	Y91722-723
W1-49	YB26708-756
W50-80	YB36249-257
W59-80	YB36452-473
WAR 23-31	YB36240-248
WAR 32-37	YB36446-451

WHITEHORSE MINING DIVISION
NTS 1151/7
LAT. 62° 21'N LONG. 136° 41'W

WESTERN COPPER HOLDINGS LIMITED
900 - 850 WEST HASTINGS STREET
VANCOUVER, B.C. V6C 1E1

093100

JUNE 1993

M.H. HOLTBY, F.G.A.C.

For diamond and rotary drilling conducted between March 10 and September 20, 1992 on the Boy 22, 56, 58 and 85 and W7, 11, 38, 44 and 46 claims.

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3. Status Claims 2
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APPENDIX

1. Drill Hole Logs with Assays

FIGURES

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Figure 3a	Diamond Drill Hole Locations (North)	after page 4
Figure 3b	Diamond Drill Hole Locations (South)	after page 4
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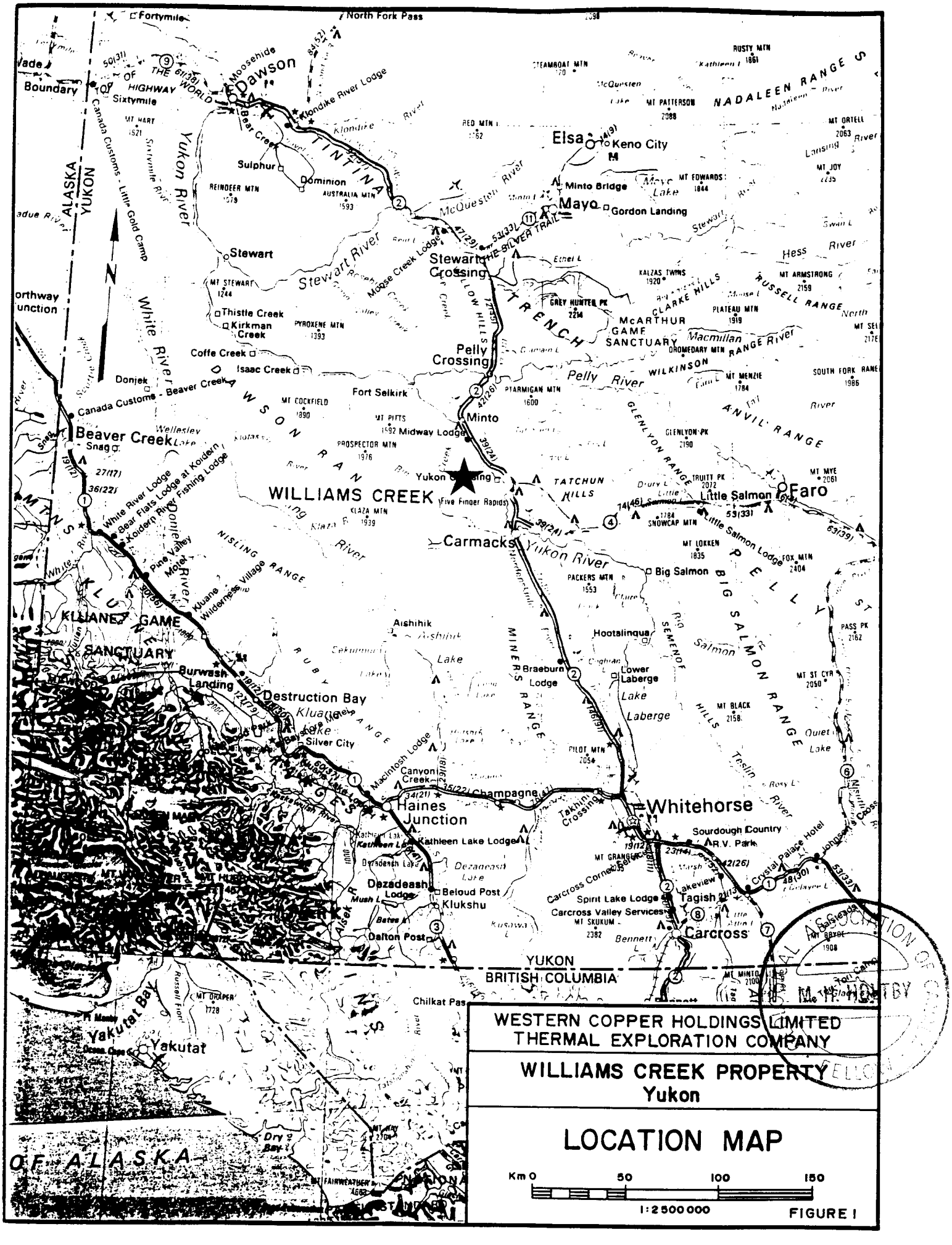
1. INTRODUCTION

The Williams Creek copper-gold deposit was originally staked in 1970 by G. Wing of Whitehorse. Later that year the property was optioned by the Dawson Range Joint Venture (Straus Exploration Inc., Great Plains Development of Canada Ltd., Trojan Consolidated Minerals Ltd. and Molybdenum Corporation of America). The deposit was found by G. Abbott and D. Eaton during the Dawson Range Joint Venture's property examination. The joint venture conducted soil geochemical and geophysical surveys, trenching and 23,379 feet of diamond drilling before abandoning its interest in the property to Archer, Cathro & Associates Limited in 1982, which then sold its interest to Archer, Cathro & Associates (1981) Limited.

In 1989 Western Copper Holdings Limited and Thermal Exploration Company optioned the property. Since 1989, Western Copper Holdings and Thermal Exploration have carried out 27,480 feet of trenching, 16,233 feet of diamond drilling, 2,810 feet of reverse circulation drilling, VLF electromagnetic and magnetic geophysical surveys, extensive metallurgical testwork, access road upgrading and baseline environmental studies.

2. LOCATION AND ACCESS

The Williams Creek property (Figure 1) is located in the Dawson Range at latitude 62° 21'N and longitude 136° 41'W (NTS 1151/7), some 200 km north of Whitehorse. The property is located west of the Yukon River on Williams Creek, 38 km northwest of the town of Carmacks. The property is accessible by a 12 km road extending north from km 33 on the secondary, government maintained, all-weather Freegold Road that extends west from Carmacks. Carmacks, on the Yukon River, lies 175 km by road, north of Whitehorse.


Fortymile
North Fork Pass
Dawson
Moosehide
Klondike River Lodge
Bear Creek
Klondike River
TINTINA
Sulphur
Dominion
Elsa
Keno City
Minto Bridge
Mayo
Gordon Landing
McQuesten River
THE SILVER TRAIL
Stewart
Stewart River
Moose Creek Lodge
Stewart Crossing
YUKON
Yukon River
ALASKA
Canada Customs - Little Gold Camp
Sixtymile
Boundary
Thistle Creek
Kirkman Creek
Coffe Creek
Isaac Creek
Donjek
Canada Customs - Beaver Creek
White River
Beaver Creek
Snag
White River Lodge
Bear Flats Lodge at Koidern
Koidern River Fishing Lodge
Pine Valley Motel
Kluane Wilderness Village
KLUANE GAME SANCTUARY
Burwash Landing
Destruction Bay
Silver City
Aishihik
Aishihik Lake
Kluane Lake
Pelly Crossing
Fort Selkirk
Minto
Midway Lodge
Yukon Crossing
WILLIAMS CREEK
Five Finger Rapids
Carmacks
Yukon River
Braeburn Lodge
Hootalinqua
Big Salmon
Lower Laberge
Little Salmon
Little Salmon Lodge
Faro
Pelly River
McARTHUR GAME SANCTUARY
Macmillan River
Canyon Creek
Champagne
Haines Junction
Kathleen Lake Lodge
Dezadeash Lodge
Beloud Post
Klukshu
Dalton Post
Takhini Crossing
Whitehorse
Sourdough Country R.V. Park
Crystal Palace Hotel
Lakeview
Tagish
Spirit Lake Lodge
Carcross Valley Services
Carcross
Nisutlin River
Johnson's Crossing
YUKON
BRITISH COLUMBIA
Chilkat Pass
Yakutat Bay
Yakutat
OF ALASKA
WESTERN COPPER HOLDINGS LIMITED
THERMAL EXPLORATION COMPANY
WILLIAMS CREEK PROPERTY
Yukon
LOCATION MAP
Km 0 50 100 150
1:2500000
FIGURE 1

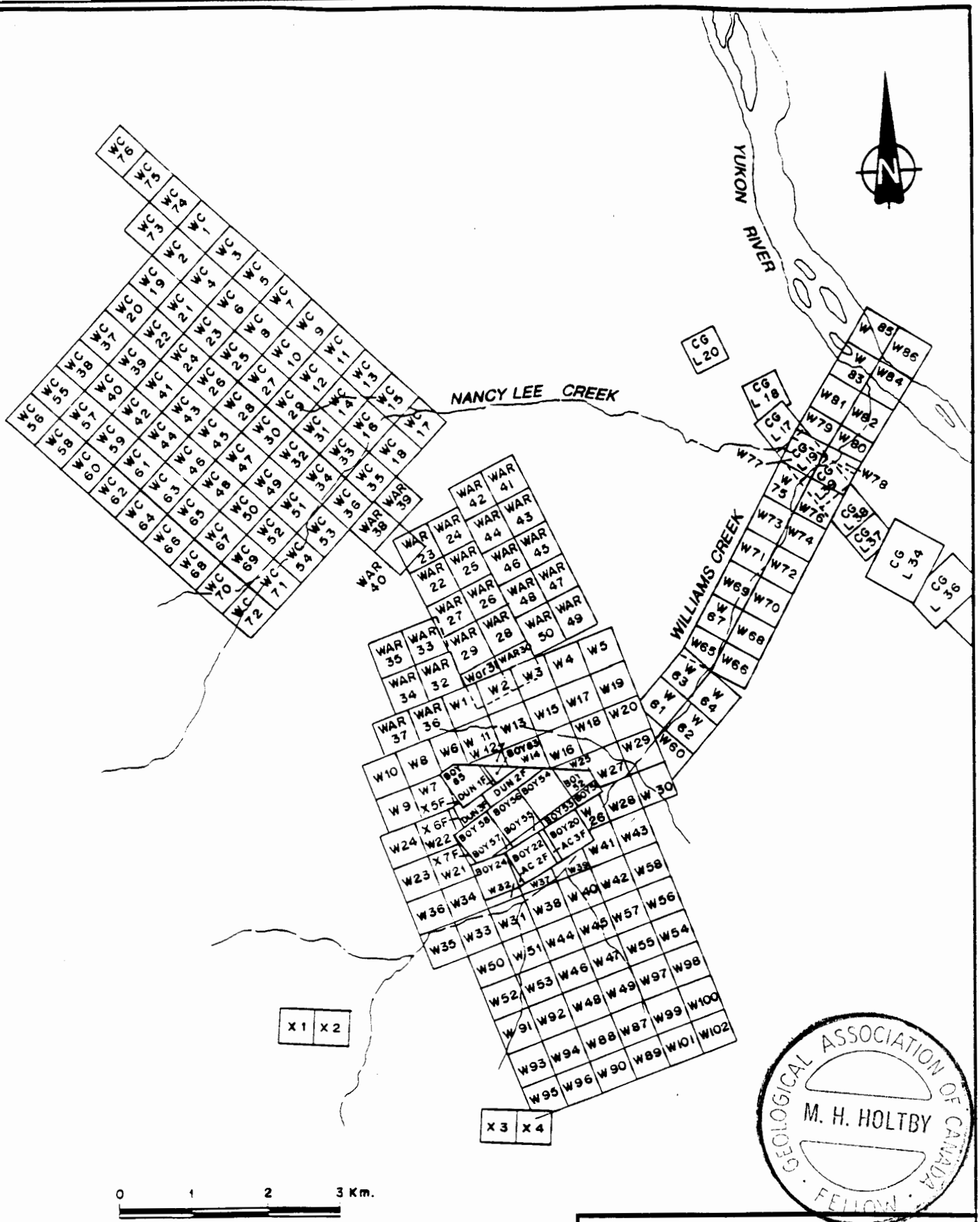
The property access road from the Freegold Road was upgraded in 1991 but under wet conditions a 4-wheel drive vehicle is required and further upgrading will be required if mine development is to begin.

3. CLAIM STATUS

The Williams Creek property (Figure 2) consists of 232 claims in one contiguous block of 222 full-size and 8 fractional mineral claims and one separate two full-size claim block, all in the Whitehorse Mining District. The property is owned 50% by Western Copper Holdings Limited and 50% by Thermal Exploration Company. Archer, Cathro & Associates (1981) Limited retain a 3% NSR royalty to a maximum of $2.5 million.

The following claims compromise the property:

Claim Name	Grant Number	Expiry Date*
BOY 20	Y51118	March 9, 2007
BOY 22	Y51120	March 9, 2007
BOY 24	Y51122	March 9, 2007
BOY 51-58	Y51149-56	March 9, 2007
BOY 83	Y51181	March 9, 2007
BOY 85	Y51183	March 9, 2007
WAR 22	Y59373	March 9, 2007
DUN 1-3F	Y59382-84	March 9, 2007
AC 2F-3F	Y91722-723	March 9, 2007
W 1-49	YB26708-756	March 9, 2007
W 50-58	YB36249-257	March 9, 2000
W 59-80	YB36452-473	March 9, 2000



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M. H. HOLTBY
FELLOW

Western Copper Holdings Limited

Williams Creek Project

CLAIM MAP

FIGURE 2

Claim Name	Grant Number	Expiry Date*
W 81-86	YB36474-479	March 9, 1997
W 87-96	YB36925-934	March 9, 1998
WAR 23-31	YB36240-248	March 9, 2000
WAR 32-37	YB36446-451	March 9, 2000
WAR 38-50	YB36765-777	March 9, 1997
WC 1-76	YB36689-764	March 9, 1997
W 97-102	YB36939-944	March 9, 1998
X1-4	YB36896-899	March 9, 1998
X5F-7F	YB36962-964	March 9, 1998

* Expiry date upon acceptance of assessment work reported herein.

4. 1992 DRILL PROGRAMME

In 1992, diamond drilling was contracted to E. Caron Diamond Drilling Limited of Whitehorse. All holes except hole 158 were drilled with HQ equipment over the period July 2nd to August 28, 1992. Hole 158 was an oriented core hole drilled with triple-tube NQ equipment.

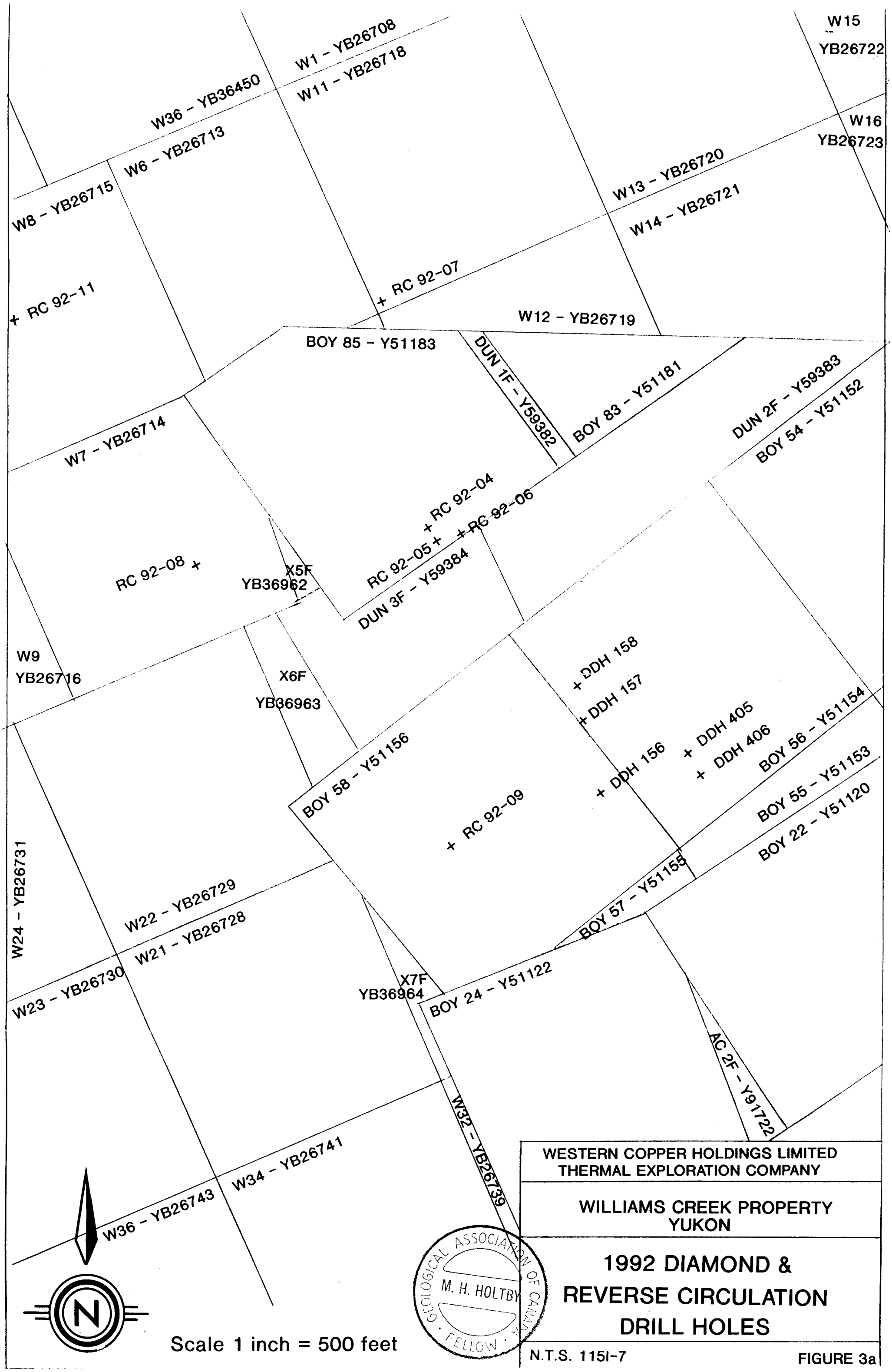
Reverse condition drilling was contracted to Midnight Sun Drilling Co. Ltd. of Whitehorse. All holes were drilled with a 5 1/2 inch bit over the period August 31st to September 19, 1993. All personnel stayed onsite in the tent camp.

Diamond drill holes drilled in 1992 were:

Hole No.	Length (ft.)	Azim.	Dip	Zone Drilled	Claim No.
156	225	247°	-50°	1	Boy 58
157	385	247°	-50°	1	Boy 56
158	515.7	247°	-50°	1	Boy 56
405	320	247°	-50°	4	Boy 56
406	275	247°	-50°	4	Boy 56
1201	270	247°	-50°	12	W46
1202	350	247°	-50°	12	W44
1203	288	247°	-50°	12	W44
1204	450	247°	-50°	12	W46
1301	410	247°	-50°	13	W38
1302	325	247°	-50°	13	W38

Reverse circulation holes drilled were:

Hole No.	Length (ft.)	Azim.	Dip	Zone Drilled	Claim No.
RC92-01	300	247°	-50°	2200S	Boy 22
RC92-02	85	247°	-50°	2200S	Boy 22
RC92-03	300	247°	-50°	Magnetic Low	Boy 22
RC92-04	200	247°	-50°	1	Boy 85
RC92-05	200	247°	-50°	1	Boy 85
RC92-06	400	247°	-50°	1	Boy 85
RC92-07	120	-	-90°	Magnetic Lineament	W11
RC92-08	300	247°	-50°	5	W7


W15
YB26722
W1 - YB26708
W11 - YB26718
W36 - YB36450
W6 - YB26713
W16
YB26723
W8 - YB26715
W13 - YB26720
W14 - YB26721
+ RC 92-11
+ RC 92-07
W12 - YB26719
BOY 85 - Y51183
DUN 1F - Y59382
BOY 83 - Y51181
DUN 2F - Y59383
BOY 54 - Y51152
W7 - YB26714
+ RC 92-04
+ RC 92-06
RC 92-08 +
X5F
YB36962
RC 92-05 +
DUN 3F - Y59384
W9
YB26716
X6F
YB36963
+ DDH 158
+ DDH 157
+ DDH 156
+ DDH 405
+ DDH 406
BOY 58 - Y51156
+ RC 92-09
BOY 56 - Y51154
BOY 55 - Y51153
BOY 22 - Y51120
W24 - YB26731
W22 - YB26729
W21 - YB26728
W23 - YB26730
BOY 57 - Y51155
X7F
YB36964
BOY 24 - Y51122
AC 2F - Y91722
W32 - YB26739
W34 - YB26741
W36 - YB26743
N
Scale 1 inch = 500 feet
GEOLOGICAL ASSOCIATION OF CANADA
M. H. HOLTBY
FELLOW
WESTERN COPPER HOLDINGS LIMITED
THERMAL EXPLORATION COMPANY
WILLIAMS CREEK PROPERTY
YUKON
1992 DIAMOND &
REVERSE CIRCULATION
DRILL HOLES
N.T.S. 115I-7
FIGURE 3a

BOY 58 – Y51156

BOY 56 – Y51154

BOY 55 – Y51153

BOY 57

Y51155

+ RC 92-01 + RC 92-03

+ RC 92-10

+ RC 92-02

AC 3F – Y91723

BOY 20 – Y51118

W43 – YB26750

W41 – YB26748

W42 – YB26749

AC 2F – Y91722

BOY 22 – Y51120

W39 – YB26746

W40 YB26347

BOY24 – Y51122

W37 – YB26744

+ DDH 1302

W32 – YB26739

+ DDH 1301

W57 – YB36256

W38 – YB26745

+ DDH 1202

+DDH 1203

W33 YB26740

W31 – YB26738

W45 – YB26752

W47 – YB26754

+ DDH 1204

+ DDH 1201

W44 – YB26751

W50 – YB36249

W51 – YB36250

W52 – YB36251

W53 – YB36252

W49 – YB26756

W48 – YB26755

W46 – YB26753

W92 – YB36930

N

Scale 1 inch = 500 feet

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WESTERN COPPER HOLDINGS LIMITED
THERMAL EXPLORATION COMPANY

WILLIAMS CREEK PROPERTY
YUKON

1992 DIAMOND & REVERSE CIRCULATION DRILL HOLES

N.T.S. 115I-7

FIGURE 3b

Hole No.	Length (ft.)	Azim.	Dip	Zone Drilled	Claim No.
RC92-09	350	215°	-45°	VLF-EM anomaly	Boy 58
RC92-10	200	247°	-50°	2200S	Boy 22
RC92-11	350	247°	-50°	Magnetic Lineament	W8

All diamond drill core and reverse circulation chips were logged by the author. Mineralized core and selected non-mineralized core was split and sent to Chemex Labs Ltd. in North Vancouver for analysis. Assays for total copper and non-sulphide copper were by standard acid digestion with an AA finish. Gold and silver content was determined by fire assay. Sulphide copper content was determined by subtracting the oxide copper content from total copper content.

Duplicate 12 1/2% splits were collected during reverse circulation drilling. Chip tray samples were also collected for logging purposes. By and large, unmineralized granodiorite was collected in 10-foot sample lengths, while copper mineralized granodiorite and gneiss were sampled in 5-foot lengths. Chip samples were also sent to Chemex Labs Ltd. in North Vancouver and treated the same as core samples.

5. GEOLOGY AND MINERALIZATION

The Williams Creek copper-gold deposit lies within the Yukon Cataclastic Complex. The deposit is hosted by feldspathic-mafic gneisses (generally quartz deficient) that form a roof pendant within Upper Triassic hornblende-biotite granodiorite of the Granite Mountain Batholith. The deposit constitutes No. 1 Zone of 14 defined zones known on or in the immediate vicinity of the property.

The Granite Mountain granodiorite is massive appearing, medium to coarse grained and generally equigranular. A weak foliation is present in places, particularly at or near the hanging wall contact of the gneiss units.

During the Western Copper Holdings-Thermal Exploration exploration programmes, granodiorite, unit 2 on maps and in drill logs, was divided into five divisions: (a) coarse biotite granodiorite; (b) coarse hornblende granodiorite; (c) coarse to medium quartz-feldspar dominant granodiorite; (d) K-feldspar porphyritic granodiorite; and (e) assimilated gneiss. Division 2c, the most common occurrence of granodiorite, contains 5% to 15% biotite and/or hornblende, tends to be medium grained rather than coarse grained and grades into the other divisions, excepting 2e. Biotite and/or hornblende comprise 15% to 30% where considered mafic rich (units 2a and 2b). Unit 2a is more common than unit 2b, but sections with equal biotite and hornblende quantities are common. Mafics form coarse masses interstial to quartz and feldspar phenocrysts.

K-feldspar porphyry (unit 2d) is the least common granodiorite variety. This porphyry often grades from pink K-feldspar megacrystic to grey K-feldspar megacrystic with white feldspar megacrysts. The white feldspar megacrysts may mark a transition from division 2d to 2c as they grade with decreasing abundance and occasionally decreasing size into division 2c.

Assimilated gneiss (unit 2e) is generally minor in extent except near the northern end of No. 1 Zone. In most drill holes, intercepts classified as assimilated gneiss are limited to 1 or 2 feet adjacent to unit 1 gneiss or to thin intercepts within unit 1 gneiss. The most extensive sections classified as assimilated gneiss are in drill holes 138, 139 and 151, the northernmost drill intercepts of No. 1 Zone. In general, assimilated gneiss is a fine-grained, grey, well-foliated, leucocratic granodiorite with minor to very minor fine-grained biotite.

A petrographic examination in 1991 of three unit 2 samples by L.A. Clark, using the I.U.G.S. classification, classified the three samples as: unit 2c - diorite; unit 2d - quartz monzodiorite to granodiorite; and 2e - tonalite. Given that this petrographic examination only included three samples, the field name granodiorite has been retained since this name is based upon wider studies of the Granite Mountain Batholith by Templeman-Kluit, but it must be acknowledged that

variations within the Granite Mountain Batholith result in areas of silica under-saturation and plagioclase over-saturation. These variations are probably caused by the assimilation of the precursor rocks to unit 1 gneisses.

Copper-gold mineralization at Williams Creek is hosted by feldspathic-biotite-hornblende-quartz gneisses. These gneisses have been designated unit 1 during mapping and core logging and subdivided into 9 subdivisions: (a) coarse-grained biotite dominant; (b) coarse-grained hornblende dominant; (c) medium-grained biotite dominant; (d) medium-grained hornblende dominant; (e) medium-grained feldspar-quartz dominant; (f) fine-grained biotite dominant; (g) fine-grained hornblende dominant; (h) with >2cm augen; and (i) with <2 cm augen. When dominant, mafics comprise as much as 50% or more of the rock constituents.

Unit 1 gneisses often have an igneous appearance that has resulted in their classification as plutonic rocks in most previous reports. The petrographic study by L.A. Clark examined 18 samples of unit 1 rocks. Fifty-five percent of these samples classify in the I.U.G.S. classification as silica undersaturated diorites. Fifteen percent classify as silica undersaturated monzodiorite, 1 sample (5%) classifies as granodiorite and 3 samples (15%) are considered volcanic. Units 1a to 1d have a coarse-to medium-grained igneous appearance and classify as silica undersaturated diorite or monzodiorite with the appropriate dominant mafic modifier. The specimen of unit 1d examined in the petrographic study was particularly mafic rich and was classified as basalt. Unit 1e, feldspar-quartz dominant gneiss, was classified as granodiorite. During mapping and core logging unit 1e was often found to be difficult to distinguish from unit 2c. The gneissic texture, often faint, was the determining factor in classifying as unit 1e. Specimens of both units 1f and 1g were classified as andesites, again silica undersaturated.

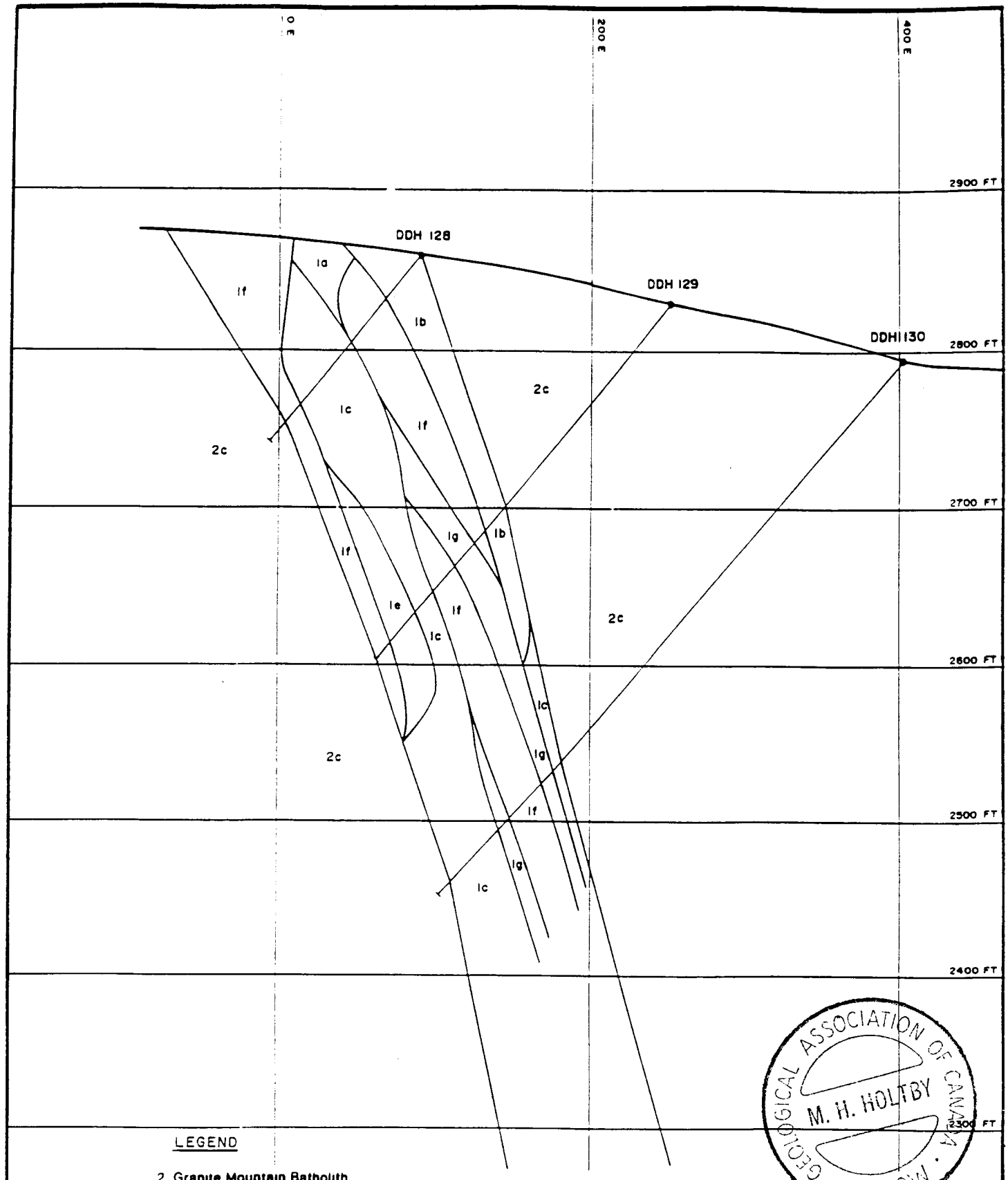
While the petrographic study was limited in scope and biased towards unit 1c by the large number of samples of that unit, the rather unusual silica undersaturated nature of most examined samples, including one sample of unit 2c -- the most common occurrence of "granodiorite", has

a significant bearing on considerations of the origin of the gneissic units. The two scenarios envisioned are: (a) intrusion of a silica undersaturated diorite to monzodiorite, or (b) assimilation of precursor rocks -- basic volcanics or ultrabasics; assimilation is the preferred scenario.

At Williams Creek the general lack or very low quartz content and the high mafic content suggest a volcanic origin for the gneisses. An origin of arkosic sediments derived from a basic volcanic or plutonic regime could also be considered, but the poor continuity of rock units down dip, weighs against a sedimentary origin (Figure 4). An andesitic to basaltic volcanic, probably tuffaceous, agglomeratic or breccia precursor rock is considered the most likely. Assimilation and recrystallization has progressed to such a degree that evidence for differentiating between flows or pyroclastics is circumstantial. The distribution of units is reminiscent of pyroclastic deposition and bedding has been recognized in one trench exposure of No. 12 Zone. In the Carmacks map area the Povoas Formation is old enough to have been the precursor rocks but assimilation of another volcanic formation or metamorphic assemblage cannot be ruled out. This origin must be considered tenuous and problematic given the early nature of the investigation of the Williams Creek deposit but is favoured by the author.

The finding that some of the granodiorite is silica undersaturated diorite suggests that assimilating large volumes of basic volcanics has altered the chemistry of the Granite Mountain Batholith for a considerable area around No. 1 Zone.

Post-assimilation but not post-faulting units were recorded during mapping and core logging. Thin fine-grained dykes (unit 6) are possibly feeders for Carmacks Group volcanics; they are not common. Quartz veins (unit 4) were recorded during logging of core. All were thin (0.1 to 0.2 feet) and were barren of primary sulphide mineralization and all were hosted by unit 2



LEGEND

2. Granite Mountain Batholith
   - 2c. coarse to medium leucocratic granodiorite

1. Gneiss
   - 1a. coarse-grained biotite dominant
   - 1b. coarse-grained hornblende dominant
   - 1c. medium-grained biotite dominant
   - 1d. medium-grained hornblende dominant
   - 1e. medium-grained feldspar-quartz dominant
   - 1f. fine-grained biotite dominant
   - 1g. fine-grained hornblende dominant

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FELLOW

Western Copper Holdings Limited

Williams Creek Project

CROSS-SECTION 1000 N GEOLOGY

FIGURE 4

granodiorites. The only copper mineralization noted in any quartz vein was in one two-foot drill intercept just below the footwall to No. 1 Zone where malachite is deposited on fractures in four thin quartz veins cutting unit 2c. A barren quartz vein of 0.5 feet width was observed cutting unit 1c gneiss in trench 91-11.

Aplite (unit 5) and pegmatite (unit 3) dykes are common, aplite much less so than pegmatite. While divisible into two separate units aplite is usually associated with pegmatite suggesting fractionation from one intrusive event. These dykes vary from a few inches to ten feet in width. They intrude both unit 2 granodiorites and unit 1 gneisses. Both are barren of primary copper or sulphide mineralization but pegmatite is brittle and well fractured, providing space for deposition of secondary copper mineralization. Pegmatite has a high potassium feldspar content and has usually introduced potassic alteration (K-feldspar) into adjacent areas. This potassic alteration is often accompanied by epidote as fracture fillings or replacement of mafics.

Faulting is common on the Williams Creek property. The two most prominent fault orientations are north-northwest and north-northeast to northeast. Two secondary orientations of east and southeast are less common. The most obviously important faulting is north-northwest striking, parallel to the strike of the mineralized zones. No. 1 Zone has north-northwest striking faulting within the zone with splays trending out of the zone. This orientation, parallel to the major regional faults, probably reflects rupture resulting from the same stress that caused these regional faults. No. 1 Zone has been split into east and west halves by a fault of this orientation.

Northeast striking faults often appear to be splays off north-northwest striking faults. This pattern is most prominently displayed where a series of northeast faults cut across No. 4. Zone. These faults splay, from 600 S to 1,200 S, off a north-northwest fault that parallels the baseline. Important faults of this northeast strike cut-off the southern and northern ends of No. 1 Zone.

East to east-southeast faults are also important as a near vertical fault of this orientation cuts-off the northern end of the west half of No. 1 Zone at 550 N.

The Williams Creek deposit, as presently defined, is the No. 1 Zone. The zone extends in trench exposures and drill intercepts over a 2,300 foot strike length, from 1,900 N to 400 S, down-dip 1,500 feet.

To a depth of 1500 feet the No. 1 Zone deposit has an estimated global reserve of 26.99 million tons grading 0.92% copper, 0.013 ounces gold per ton and 0.086 ounces silver per ton at a 0.01% copper cutoff grade. At a 0.5% copper cutoff the global reserve is 22.05 million tons grading 1.06% copper with similar gold and silver values. Copper mineralization is predominantly oxide to an 800-foot depth and sulphide below that depth. Primary copper mineralization is chalcopyrite and bornite with gold, magnetite, molybdenite, native bismuth, bismuthinite, arsenopyrite, pyrite and pyrrhotite. Pyrite is virtually absent and pyrrhotite is absent in the oxide zone. A zonation of bornite at the north to chalcopyrite and then to pyrite and pyrrhotite at the south was noted after the 1971 drill program. This zonation was based upon results of deeper drill holes into the primary sulphide mineralization. Drilling in 1991 and 1992 was restricted to the oxide zone and no conclusive conclusions regarding sulphide zoning can be drawn from these drill programs.

Oxide copper mineralization is primarily malachite with lesser azurite, cuprite, tenorite (copper limonite), digenite, covellite and djurleite. Other oxides are limonite and goethite from weathered sulphides and specular hematite from weathered magnetite. Traces of gypsum are found in the oxide zone and anhydride in the sulphide zone. Spotty carbonate, up to 1%, occurs pervasively as fine veinlets.

The character of the deposit changes along strike leading to a division into northern and southern halves at section 550 N. The northern half is more regular in thickness down dip, dip angle and across width, and down dip character. The northern half strikes 330° to 335°N with an average dip of 75°E, from section 800 N to section 1500 N. From section 1500 N to section 1800 N the zone bends to the west to strike 305° with the dip steepening to 84°NE at section 1800 N. This bend in the zone is considered to be the result of faulting as the drill-intercepted zone at section 1900 N is on strike with the section 800 N to section 1500 N portion of the zone.

The northern end of the No. 1 Zone is fault terminated. The termination was exposed in three trenches parallel to strike between sections 1700 N and 1800 N. The fault is not a single slip plane but appears to be a zone trending 355° with an indeterminate dip. Movement direction has not been determined. This fault has removed the near surface portion of the No. 1 Zone at section 1900 N. At depth, the zone continues to at least section 2000 N. Drill hole 114 deviated from its collar at section 1900 N to intercept the zone near section 2000 N.

Trenching, diamond drilling and reverse circulation drilling north of section 1900 N failed to uncover northern extensions to the No. 1 Zone. All strong to moderate geophysical targets have been tested between sections 1900 N and 5600 N. It appears unlikely that a northern extension to the No. 1 Zone lies in the area immediately north of the zone.

As previously mentioned, the northern half of the No. 1 Zone is regular in character, aside from the bend in the zone from section 1500 N to section 1800 N and the change in dip towards section 1800 N. This half of the zone shows that copper grades form 2 or 3 populations that are divisible into hanging wall and footwall zones, and occasionally into more complex patterns.

Oxide copper grades are higher in the footwall relative to the hanging wall divisions of the northern half of the No. 1 Zone and that oxide copper grade tends to increase with depth, both within the footwall and hanging wall divisions. While oxide copper grades show consistency along strike and down dip, rock types do not. In fact, oxide copper grades correlate neither with rock type, mafic mineral constituents nor with grain size.

Gold values are similar to oxide copper values in that they are higher in the footwall compared to the hanging wall portions of the No. 1 Zone. Although higher gold values do occur preferentially in the footwall zone the highest gold content does not correlate with the highest oxide copper content and gold does not appear to increase in grade with depth. This lack of increase in gold values with depth suggests that the gold distribution reflects a primary distribution rather than a secondary distribution such as oxide copper values. As with oxide copper, gold content does not correlate with rock type, mafic constituents or grain size. The majority of the gold occurs in a higher grade zone between section 1700 N and section 1200 N. The weighted average of gold values in drill intercepts over the complete width of No. 1 Zone from section 1700 N to section 1200 N is 0.022 ounces gold per ton. Gold values in other drill intercepts across No. 1 Zone have weighted averages of 0.008 to 0.010 ounces gold per ton on a sectional basis.

If gold values reflect the distribution of primary mineralization, then the primary orebody had a zonation of gold and probably a higher grade copper zone (bornite) that zoned along strike to lower gold with lower copper grade (chalcopyrite). This zonation would reflect the copper mineralogy observed in 1971 when the deeper sulphide portion of No. 1 Zone was drilled. Oxide copper does form a higher grade zone, between sections 1700 N and 600 N.

Section 550 N marks the transition from the northern half to the southern half of the No. 1 Zone. Similarly to the northern half of the zone, copper mineralization in the southern half is not restricted to any rock type nor does it appear related to any particular mafic constituent or grain size. Unlike the northern half, grades are not regularly distributed into a high grade footwall zone and a low grade hanging wall zone, but tend to form multiple zones and are more evenly distributed across the zone. When copper grades appear to form zones, these zones do not continue down dip as consistently as in the northern half and oxide copper grades do not increase with depth as consistently as in the northern half.

South of section 550 N the No. 1 Zone is faulted into eastern and western portions. The eastern portion is itself divisible into two parts and continues on strike with the northern half of the No. 1 Zone. The easternmost part is quite regular in width and more consistent in habit along strike and down dip. This easternmost part has an irregular southern termination with its most southerly exposure in a trench at section 46 N.

The western part of the eastern portion of the No. 1 Zone is less regular in habit with poor depth extent. It is narrow from section 550 N to section 400 N and highly assimilated at section 300 N. It broadens at section 200 N and then fingers out at section 0 N.

The western portion of the south half of the No. 1 Zone extends from section 550 N to section 400 S. It is postulated that it has been emplaced in its current location by a high-angle fault that split the zone along strike. In trench 92-68 on section 500 N, a Z-fold has been exposed where the outsides of the western portion dip to the east but the centre of the portion dips to the west. The surface exposure of the western portion of the No. 1 Zone is relatively regular in width along strike but narrows quickly at depth. This may be the result of repeated splitting of the zone by multiple phases of fault movement.

The north end of the western portion of No. 1 Zone is terminated by an east-northeast striking south dipping (74°) fault that is exposed in two trenches cut along strike between sections 500 N and 600 N. The south end of this western portion is terminated by a northeast striking vertical fault that is exposed in several trenches.

The majority (86%) of the copper grade at the Williams Creek No. 1 Zone deposit is in the form of the secondary minerals malachite, cuprite, azurite and copper limonite (tenorite?) with very minor other secondary copper minerals (covellite, digenite, djurlite). Primary copper mineralization is restricted to bornite and chalcopyrite. Other secondary minerals include limonite, goethite, specular hematite and gypsum. Other primary minerals include magnetite, gold, molybdenite, native bismuth, bismuthinite, arsenopyrite pyrite, pyrrhotite and carbonate. Molybdenite, native bismuth, bismuthinite and arsenopyrite occur rarely.

Alteration minerals that could be considered strictly related to the mineralizing event rather than weathering or dyke intrusion are not recognizable. Epidotization and potassium feldspathization are obviously related to pegmatite dyke intrusion which is a post-mineralization event. Clay (montmorillonite type) and sericite development are clearly weathering products. Silica introduction, usually as narrow veinlets, is not common and may be related to aplite dyking or metasomatism. Chloritization of mafics, biotitization of hornblende, rare garnets, carbonate and possibly anhydride all appear related to metasomatism and assimilation of precursor rocks to the gneissic units.

The upper 800 feet, approximately, of the No. 1 Zone is oxidized. Within the oxidized area pyrite is virtually absent. Weathering has resulted in 1% to 3% pore spaces and a fair permeability. Secondary copper and iron minerals line and in-fill cavities, form both irregular and coliform masses, fill fractures and rim sulphides. Primary sulphide minerals and magnetite

are disseminated and form narrow massive bands or heavy disseminations in bands. Non-copper sulphides are not common in the weathered zone and are commonly intergrown or associated with each other when they do occur. They most commonly occur in hematite but also occur in copper sulphides and in the rock forming minerals. Gypsum forms uncommon microveinlets. Carbonate occurs as pervasive matter, irregular patches or microveinlets; not commonly, but on the order of 1% where present. Gold occurs as native grains, most commonly in cavities with limonite or in limonite adjacent to sulphides, but also in malachite, plagioclase, chlorite and quartz grains. Gold is rarely greater than 5μm in size.

In 1992, three reverse circulation drill holes were drilled on No. 1 Zone to compare diamond drill results with larger diameter drilling. Reverse circulation holes RC 92-04,05 and 06 were drilled to twin drill holes 125, 126 and 119 respectively. RC 92-04 was similar in grade and width to hole 125 (1.36% Cu/158') while RC 92-05 and RC 92-06 improved the grade encountered in holes 126 (0.83% Cu/146') and 119 (0.96% Cu over 163'). These holes also encountered significant gold mineralization. Although holes RC 92-04, 05 and 06 may not be statistically significant, they confirm the reserve of the No. 1 Zone and suggest the grade may be higher.

Diamond drilling in 1992 was carried out on No.'s 1, 4, 12 and 13 Zones. Reverse circulation drilling was carried out on No.'s 1, 5 and 2200S Zones.

The No. 4 Zone has been tested by six drill holes and seven trenches. Mapping is incomplete in this area, however, it is apparent that the No. 4 Zone is disrupted by numerous northeast trending faults.

Diamond drill holes 405 and 406 drilled in 1992 were drilled on either side of 1991 drill hole 404 at sections 500 S and 339 S, respectively. Hole 405 intersected 106.8 feet averaging 0.60% copper, including 38 feet averaging 0.30% copper and 68.8 feet averaging 0.77% copper (oxide copper and gold were not assayed). Hole 406 intersected 55 feet averaging 0.32% copper with gneiss, granodiorite and pegmatite. However, hole 406 intersected a fault at 47 feet and continued in the fault until terminated at 275 feet. The bottom 55 feet of the hole intersected the mineralized interval. Drill holes 404 and 405 indicate that the block bounded by trench 91-08 to the north and trench 91-10 to the south has the most potential to form a block of sufficient size to consider mining.

Reverse circulation drill hole RC 92-08 was drilled on No. 5 Zone. A 50-foot section of hornblende gneiss with an overlying 30-foot section of intermixed granodiorite and hornblende gneiss was intersected. No significant copper mineralization was found.

Four diamond drill holes were drilled on No. 12 Zone. Drill hole 1201 drilled under trench 92-35 intersected 133.3 feet averaging 0.85% copper including 100 feet averaging 0.95% copper. Drill hole 1204, drilled 100 feet north and 200 feet east, failed to intersect depth extensions to the intercept in hole 1201. This is due to a northeast striking fault having displaced the zone. Diamond drill holes 1202 and 1203 were drilled on sections 5700 S and 5800 S, respectively. Hole 1202 drilled beneath trench 92-40 intersected two gneissic zones assaying 0.74% copper over 78.6 feet and 0.53% copper over 26.9 feet. Hole 1203 drilled beneath hole 1202 also intersected two gneissic zones that assayed 0.56% copper over 44.2 feet and 0.68% copper over 20 feet.

The No. 12 Zone is similar in character to the No. 1 Zone except that secondary copper occurs more as tenorite than as malachite. The No. 12 Zone is less weathered than the No. 1 Zone resulting in less oxidation of pyrite. Fine grained hornblende Unit 1g also appears more common in the No. 12 Zone. Bedding was observed in one trench exposure of gneiss.

The No. 12 Zone is disrupted by northeast striking faults that result in displacements in the surface trace. The southern portion of No. 12 Zone coincides with a magnetic high but the northern half coincides with a linear magnetic low. This magnetic low trends northward to the No. 13 Zone.

Two diamond drill holes on No. 13 Zone were designed to test the magnetic low trending northward from the No. 12 Zone and to test a strong magnetic dipole immediately west of the magnetic low. Hole 1301 intersected 55 feet of overburden underlain by 108 feet of Carmacks Group volcanic sandstones, lapilli tuffs and minor agglomerates. These overlie a 26-foot intercept of gneiss with minor traces of native copper (average 0.03% copper). The remainder of the hole (204 feet) cut a wide shear zone in granodiorite. The granodiorite is strongly altered to clay with breccia fragments, shattered and sheared sections. Occasional pegmatite dykes are also sheared. Traces of native copper occur through the shear zone. The highest copper value (0.63%) occurs in a 4.5 foot section of mainly gouge. A 0.3 foot section with the strongest disseminations of native copper seen in this hole assayed 0.46% copper. The magnetic dipole anomaly immediately west of the magnetic low can be explained by magnetite disseminations in granodiorite.

Diamond drill hole 1302 intersected 29 feet of overburden followed by 154 feet of Carmacks Group volcanic sandstones and tuffs followed by 115 feet of gneisses with very minor granodiorite. Gneisses contain traces of chalcopyrite with pyrrhotite and pyrite. The last 26 feet was granodiorite with traces of magnetite.

The No. 2000 S Zone is a linear magnetic low located adjacent to the baseline some 1200 to 2300 feet south of the southern end of No. 1 Zone. Its magnetic signature is very similar to No. 1 Zone and it is well placed to be a southern extension to No. 1 Zone.

Two reverse circulation drill holes were drilled on No. 2000S Zone. Hole RC 92-01 on section 1800S intersected 0.62% copper in gneiss over 40 feet. Hole RC 92-10 on section 2000S intersected 0.47% copper over 40 feet.

The No. 2000 S Zone is composed of gneisses similar to the No. 1 Zone. The drill intercepts were 100 to 140 feet below the trench exposures; they indicate the zone dips 82° to 86° east and has a true width of 32 to 33 feet at those depths.

Reverse circulation drill holes RC 92-03, 07, 09 and 11 were drilled on magnetic lineaments or VLF-EM conductors and did not intersect gneissic units or copper mineralization. Reverse circulation hole RC 92-02 was lost in overburden.

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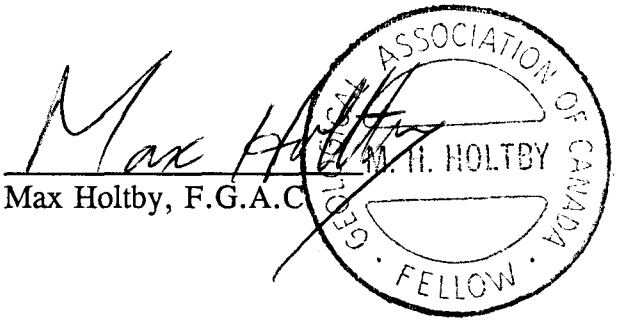
7. STATEMENT OF QUALIFICATIONS

I, Max Holtby, residing at #8-9344 - 122nd Street, Surrey, B.C. hereby certify that:

1. I graduated from the University of British Columbia in 1972 with a B.Sc. in Honours Geology.

2. I am a Geological Association of Canada Fellow and Geological Society of Malaysia Member in good standing.

3. I have worked since 1971 as an exploration geologist and in mine management in Canada, U.S.A,., Malaysia and Liberia, West Africa.



Max Holtby, F.G.A.C

APPENDIX 1

DRILL HOLE LOGS WITH ASSAYS

International Geosystems Corporation — Geolog System — **MAIN FORM** — Geoform

FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	D of DRILLHOLE PRE-FIX	TYPE	TRAVERSE NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
DEN	6 3 0 2	0 2	W1002																							
PRJ	WESTERN COPPER HOLDINGS – THERMAL EXPLORATION														WILLIAMS CREEK											

FROM	TO	MT FT	TOTAL DEPTH-LENGTH	AZM	V-ANG	NORTHING	EASTING	ELEVATION
		FT						

FLAG		RECOVERY	ROCK TYPE	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUCT	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES						SUMMARY
NAM	Unit of Recov	%REC				FOLIATION		S/F M/F				KF	LI	HE	BI	MA	AZ	BO	CP	CC
SCL	Unit of Length FT																			

FLAG		RQD	ENV	RTQ														
NAM	M or F	%RQD						L/F				SI	CL	EP		TE	PY	MT	MO
SCL	Unit of RQD																	

FROM	TO	SAMPLE NO.	INT.

SYMBOLS & CODES.

ROCK TYPE:

5	APLITE
4	QUARTZ VEIN
3	PEGMATITE
2	GRANODIORITE
2a	coarse biotite
2b	" hornblende
2c	" quartz-feldspar
2d	" K-spar porphyry
2e	assimilated gneiss.
1	GNEISS
1a	coarse biotite dominant
1b	" hornblende "
1c	medium biotite "
1d	" hornblende "
1e	" quartz-feldspar "
1f	fine biotite "
1g	" hornblende "
1h	>2cm augen
1i	<2cm augen.

MODES

A	amygdoidal fillings	M	massive
B	blebs	N	nodules
#	breccia matrix	O	spots
C	coating	P	pervasive
*	clasts	Q	patches
D	damp / scattered crystals	R	rosettes
E	envelopes	S	selvages
F	fracture fillings	≠	sheetings
G	gouge	T	stains
H	phenocryst replacement	U	euhedral
I	eyes augen	V	veins
J	interstitial	≠ >	macro veins
K	stockwork	<	micro veins
L	laminations	W	boxwork

MODES & %

1	D or P or E ≅ F or C
2	" > "
3	" < "
X	100%
9	86-99%
8	76-85
7	66-75
6	56-65
5	46-55
4	36-45
3	26-35
2	16-25
1	7-15
=	4-6
+	2-4
>	.7-2
*	.2-.7
(	.07-.2
—	.02-.07
•	trace <0.02
O	absent
P	possibly present
/	present (no %).

C/	contact
C/G	contact gradual
D/	dyke
F/	fault
SH/	shear
BRX	breccia zone
F/W	footwall
H/W	hangingwall
OVB	overburden
WTH	weathered zone

FRACTURES.

~~FOLIATION~~

(Number per foot)

S = 60° to 90° to core axis

M = 30° to 60° to core axis

L = 0° to 30° to core axis

B/ band

V/ vein

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

SYMBOLS & CODES

FLAG	DEN	6 B 0 2 0 2
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002	
PRJ	WESTERN COPPER HOLDINGS – THERMAL EXPLORATION	WILLIAMS CREEK
FROM		
TO		
MT/FT	FT	
RECOVERY	%REC	
ROCK TYPE		
TEXTURES	FOLIATION	
FRACTURE COUNT	S/F M/F	
STRUCT ID	KF	
ALTERATION & MINERALIZATION DEFAULT SUITE	LI	HE BI MA AZ BO CP CC
FLAG		
RQD	%RQD	
STRUCT ID	L/F	
ALTERATION & MINERALIZATION DEFAULT SUITE	SI	CL EP TE PY MT MO
FROM		
TO		
SAMPLE NO.		
INT.		

%REC = % RECOVERY / S/F, M/F, LF FRACTURE COUNT PER FOOT / % RQD = % of INTERVAL WITH CORE LENGTHS OVER 4 INCHES.

MINERALS & ALTERATION — (FIRST COLUMN MODE / SECOND COLUMN %)

KF	K-FELDSPAR
LI	LIMONITE
HE	HEMATITE
BI	BIOTITE
SI	SILICA (QUARTZ)
CL	CHLORITE
EP	EPIDOTE
CA	CALCITE
HB	HORNBLENDE
MA	MALACHITE
AZ	AZURITE
BO	BORNITE
CP	CHALCOPYRITE
CC	CHALCOCITE
TE	TENORITE (COPPER LIMONITE)
PY	PYRITE
MT	MAGNETITE
MO	MOLYBDENITE

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | Graphic

KEY	FLAG	FORMAT VERSION	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2	W1002	RC92-01			5½		MH			MIDNIGHT	920831	019 01			GRID		1	2
I	P R J	WESTERN COPPER HOLDINGS : THERMAL EXPLORATION										WILLIAMS CREEK								

KEY	TURN C PT. 000 = Collar	FROM Metres Less or Negative	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	0 0 0	0.		FT	3010.	247.	-50.			0.00	

	FLAG	RECOVERY	T_{MOD}	% MATX	ROCK TYPE	TYMYFYING MINS TM_1	TMU	QALMAT QM_1	TEXTURES TX_1	TX_2	GRAIN Fe	CP	%C1MP	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP to Right	OZ	BI	ALTERATION & MINERALIZATION CY	CB	MG	XX	DEFAULT SUITES PY	CP	CL	YY	SUMMARY Fe1 Au	Mn1
/	N A M	Unit of Recov.																										
/	S C L	Unit of Length F T . 2	%REC		ROCK TYPE				FOLIATION					S/F M/F				KF CL	HE	BI		MA	AZ	BO	CP	CC		

	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	LC Comm	TM_1	QM_1	TX_1	TX_2	Se	Re	Sn	O/C	B	In	k	U	Ins Tm	T_1	STRUC2 ID	AZM	DIP to Right	KF	MU	CL	EP	HE	Hw Asmt	PR	MO	SL	Hw Asmt	Mom_2	Mom_1
L	N A M															LIF									SI	CL	EP			TE	PY	MT	MO			
L	S C L	Unit of RQD %RQD																																	

| GRAPHIC | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
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International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

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International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

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International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6902 | FORMAT VERSION: W1002 | ENTITY OF PROJECT SUB-PROJECT (UNHOUSE): RC-19203 | ID or DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER: 5.5" | SIZE OF CORE OR HOLE: IMH | GEOLOGGED BY: MIDNIGHT | COMPLETED: | DRILLING BY: WILLIAMS CREEK | STARTED: | COMPLETED: | DRILLING TIME-HRS: | SURVEYED BY: | CO-ORD SYSTEM: GRID | GRID AZIMUTH: | PAGE: 1 | OF: 1

PRJ: WESTERN COPPER HOLDINGS : THERMAL EXPLORATION

TURN'G PT. 000 in Collar	FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG = DOWN	NORTHING	EASTING	ELEVATION
0000	10	3010	FT	3008.	234.		-50.				

RECOVERY	ROCK TYPE	TEXTURES	FOLIATION	FRACTURE COUNT	STRUC'L I.D.	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
%REC				S/F/M/H				KF LI HE BI MA AZ BO CP CC	

| ROD | GRAIN | FRACTURE COUNT | STRUC'L I.D. | AZM | DIP | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	UTTY OF PROJECT (SUB-PROJECT NUMBOD)	ID or DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	AT	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6802		W1002	RC	-	912 - 10W					MH				MIDNIGHT										2	2
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION														WILLIAMS CREEK											

S	TURN'G PT. DDD in Cable	FROM Metres Less set fractions	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANC	NEG IF DOWN	NASH TOTAL = N + T + TD + AZM + V-ANC = N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT									

	PLAG	Unit of Recov.	Unit of Length	RECOVERY	T min	% MTS	ROCK TYPE	TYPIFYING MINS T MIN	TMJ	GALMAT QMY	TEXTURES TX1	TX2	GRAIN Gr	C	=C	MAP	FRACTURE COUNT 1	2	Im Typ	Ti	STRUC 1 ID	STRIKE AZM	Im	DIP Im Degrs	CZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	KF	PY	CP	CL	YY	SUMMARY Pa1	M	M2
/	NAM			%REC			ROCK				FOLIATION		S/F	M	H										KF	LI	HE	BI	MA	AZ	BO	CP	CC			
/	SCL		FT - 3																																	

L	PLAG	M or F	Unit of R Q D	RQD	ACE Depth	ENV	RTQ	LC Colour	TMJ	QMO	TX1	?	TX2	Sp	Bn	Sm	IOC	N	Im	S	SJ	Im Typ	Ti	STRUC 2 ID	AZM	Im	DIP Im Degrs	KF	MU	CL	FP	HE	Hem Alt'n	PR	MO	SL	Hem Alt'n	Hem 1	Hem 2
L	NAM																																				
L	SCL		%RQD															L/F																				

A	Any 1 zero Hole or Mine or Conveyance, MUST or MAY or DOT = 999	FROM Metres 21-68 = 11 ins.	TO	RECOVERY	SS = Sample Serial No.	SAMPLE NO.	INT.	A1 From	To	A2 From	To	A3 From	To	A4 From	To	A5 From	To	A6 From	To	A7 From	To	A8 From	To	NASH TOTAL
A	Any 1 zero Hole or Mine or Conveyance, MUST or MAY or DOT = 999	FROM Metres 21-68 = 11 ins.	TO	RECOVERY	SS = Sample Serial No.	SAMPLE NO.	INT.	A1 From	To	A2 From	To	A3 From	To	A4 From	To	A5 From	To	A6 From	To	A7 From	To	A8 From	To	NASH TOTAL

| | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — [redacted] FORM — Geoform

SAm, E

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International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

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International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG DENG 6802 | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: RC-192-105 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE | OF: 2

PROJECT: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — PROSPECT: WILLIAMS CREEK

Survey Data: TURN CW FT, 000 m Calsy | FROM Metric Law of Nature | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG. IF SUB-SEA

Upper Tier Geodata: FLAG NAM / SCL | Unit of Recov. | Unit of Length T ÷ 2 | RECOVERY | T_{MOD} | % MIX | ROCK | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fn Cn %C AMP | FRACTURE COUNT 1 2 | Tm Typ T1 | STRUC1 ID | STRIKE AZM | DIP Tm Typ | DIP To Appm | OZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY | SUMMARY CP GL YY | FA1 A1 MZ1

Lower Tier Geodata: FLAG NAM / SCL | M or F | Unit of RQD | RQD | RECOVERY | ACE Formn | ENV | RTQ | LC Colour | TAM1 | QM2 | TX1 TX2 | Sa Ra Sh O/C | K Int L SI | Tm Typ T2 | STRUC2 ID | AZM | DIP Tm Typ | DIP To Appm | KF | MU | CL EP HE Hw Amt PR | MO SL Hw Amt | H_{OM2} | H_{OM3}

GRAPHIC

A: Any Zone Flag or Flag = C (Composite, MAZ or MAM or 001 – 999) | If Flag = F (Fragmental) or T (Tuff) or 21-48 = 1-5 Nos. specific Flag = Rock Code | Flag = Rock Code = any no. 01-99 as defined

FROM	TO	SAMPLE NO.	INT.	Remarks
K H/W	0	10	54418011	10	
	10	15	02	5	
K F/W	15	20	03		
	20	25	04		
A SAM	25	30	05		
	30	35	06		
	35	40	07		
	40	45	08		89 @ .66
	45	50	09		
	50	55	10		
	55	60	11		
	60	65	12		
	65	70	13		
	70	75	14		
	75	80	15		
	80	85	16		160 @ 1.07
	85	90	17		
	90	95	18		
	95	100	19		45 @ .93
	100	105	20		
	105	110	21		
	110	115	22		
	115	120	23		
	120	125	24		
	125	130	25		
	130	135	26		
	135	140	27		3 + @ 40.17
	140	145	28		
	145	150	29		
	150	155	30		
	155	160	31		
	160	165	32		
	165	170	33		
	170	175	34		
	175	180	35		
	180	185	36		
	185	190	37		
	190	195	38	5	

Z = Alpha Z | I or 1 = Alpha I | Ø = Alpha O | 7 = Seven | 2 = Two | 1 = One | 0 = Zero | S = Alpha S

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

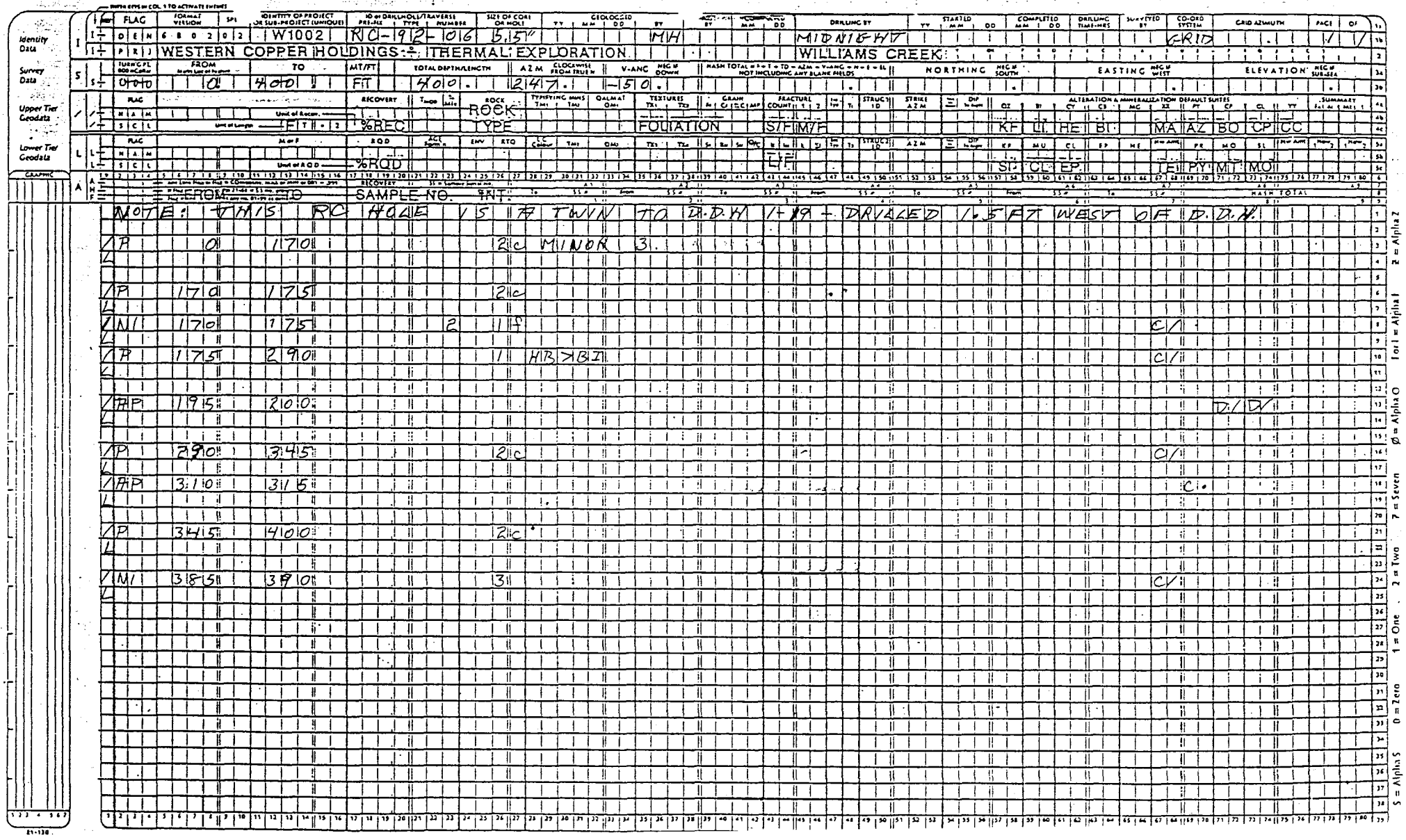
Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

WESTERN COPPER HOLDINGS & THERMAL EXPLORATION — WILLIAMS CREEK

KEY	FLAG	FROM	TO	SAMPLE NO.	INT.
K	H/W	195	200	544839	5
K	F/W				
A	SAM				

Alpha Z = 2 | Alpha I or l = 1 | Alpha O = 0 | Seven = 7 | Two = 2 | One = 1 | Zero = 0 | Alpha S = 5

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform



International Geosystems Corporation

Geolog System

SAMPLE FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	I	D E N	6 B 0 2	0 2	W1002	KCF	92	-06													1	2
I	I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	TURN C PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S			FT							

Upper Tier Geodata	FLAG		RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fe	CF	%C	MP	FRACTURE COUNT	1	2	Int Typ	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fe	Al	Mz
/	/	N A M																																		
/	/	S C L	Unit of Recov.																																	
			Unit of Length	T	2																															

Lower Tier Geodata	FLAG		M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sn	Rn	Sn	O/C	N	Mn	K	Si	Int Typ	T2	STRUC2 ID	AZM	DIP To Right	XF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
L	L	N A M																																		
L	L	S C L	Unit of RQD																																	

GRAPHIC

A H F — Any Zone Flag or Flag = COMposite, MAX or MIN or 001 - 999; If Flag not in 01-99 or 31-68 = SS No. grouped; Flag not in 01-99 as defined

	FROM	TO	SAMPLE NO.	INT.	
K H/W	150	155	544840	5	
	155	160	41		
K F/W	160	165	42		
	165	170	43		
A SAM	170	175	44		
	175	180	45		
	180	185	46		
	185	190	47		35' @ 1.14
	190	195	48		
	195	200	49		
	200	205	50		
	205	210	51		
	210	215	52		
	215	220	53		
	220	225	54		
	225	230	55		
	230	235	56		65' @ .062
	235	240	57		
	240	245	58		
	245	250	59		
	250	255	60		
	255	260	61		
	260	265	62		
	265	270	63		
	270	275	64		
	275	280	65		
	280	285	66		
	285	290	67		
	290	295	68		45' @ 1.22
	295	300	69		
	300	305	70		
	305	310	71		
	310	315	72		
	315	320	73		
	320	325	74		
	325	330	75		
	330	335	76	V1	
	335	340	544877	5	

145' @ 1.11

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRY

Identity Data

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W1002	3C-	9R	-101b														
I	PRJ	WESTERN COPPER HOLDINGS ° THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data

S	TURN G PT. 000 = Collar	FROM Meters Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG. IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E − EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG. IF SOUTH	EASTING NEG. IF WEST	ELEVATION NEG. IF SUB-SEA
S				FIT							

Upper Tier Geodata

FLAG			RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	OALMAT OM1	TEXTURES TX1	TX2	GRAIN Fr	C	SC	MP	FRACTURE COUNT	1	2	Fm Typ	Ti	STRUC ID	STRIKE AZM	Dip	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fe	Al	M_{22}	
NAM		Unit of Recov.																																		
SCL		Unit of Length T ° 2																																		

Lower Tier Geodata

FLAG		M or F			RQD	ACE Fm/m n	ENV	RTQ	°C Colour	TM3	OM3	TX3	TX4	Sk	Rn	Sm	O_M/C	H	Int	R	SJ	Fm Typ	Ti	STRUC ID	AZM	Dip	DIP to Right	K F	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	H_{ow_2}	H_{ow_3}
NAM																																					
SCL		Unit of ROD																																			

GRAPHIC

AHF — Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999 — H Flag = RHE (or 21-68 = 51 hex. equiv.) — F Flag = Any no. 01-99 as defined

	FROM	TO	SAMPLE NO.	INT.
K H/W	3401	3451	5441871	5
	3451	3501	79	1
K F/W	3501	3551	80	
	3551	3601	81	
A SAM	3601	3651	82	
	3651	3701	83	M
	3701	3751	5441884	5

RECOVERY — 55 = Sample Serial No. — HASH TOTAL

1 = One, 2 = Two, 7 = Seven, 0 = Zero, Ø = Alpha O, I or ł = Alpha I, S = Alpha S, Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Field	Entry
Identity Data	FLAG: DEN 6802 02
	PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION
	ENTITY OF PROJECT (UNIQUE): W1002
	ID of DRILLHOLE/TRAVERSE: RC-92-07
	SIZE OF CORE OR HOLE: 5.5"
	GEOLOGGED BY: MH
	DRILLING BY: MIDNIGHT
	CO-ORD SYSTEM: GRID
	GRID AZIMUTH:
	PAGE 1 OF 1
Survey Data	TURN'G PT. 000 = Collar: 0 0 0
	FROM: 0
	TO: 120
	MT/FT: FT
	TOTAL DEPTH/LENGTH: 120.
	AZM CLOCKWISE FROM TRUE N:
	V-ANG NEG IF DOWN: -90.
	NORTHING NEG IF SOUTH:
	EASTING NEG IF WEST:
	ELEVATION NEG IF SUB-SEA:
Upper Tier Geodata	FLAG: N A M / S C L
	Unit of Recov.: F T . 2
	RECOVERY: %REC
	ROCK TYPE
	TEXTURES: FOLIATION
	FRACTURE COUNT: S/F M/F
	STRUC1 ID:
	STRIKE AZM:
	DIP:
	ALTERATION & MINERALIZATION DEFAULT SUITES: KF LI HE BI MA AZ BO CP CC
Lower Tier Geodata	FLAG: N A M / S C L
	Unit of RQD: %RQD
	RQD
	ENV RTQ
	TXI TXA
	L/F
	STRUC2 ID:
	AZM
	DIP:
	KF MU CL EP HE
	SI CL EP
	PR MO SL
	TE PY MT MO
	SUMMARY

FROM	TO	SAMPLE NO.	INT.	
0	93			OVERBURDEN - GLACIAL DEBRIS
0	20			SANDY - NOTE: DRILLED ON OLD ROAD - ASH LAYER REMOVED
20	35			ROCKY
35	45			HIGH CLAY CONTENT
45	93			ROCKY
93	120			2 VERY FRESH APPEARANCE

S = Alpha S, 0 = Zero, 1 = One, 2 = Two, 7 = Seven, Ø = Alpha O, I or I = Alpha I, Z = Alpha Z

81-130

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Field	Value
Identity Data	FLAG: DEN 6802 02 — PRJ: WESTERN COPPER HOLDINGS — ENTITY OF PROJECT: W1002 — ID of DRILLHOLE/TRAVERSE: RC-92-08 — SIZE OF CORE OR HOLE: — GEOLOGGED: BY MH — COMPLETED: — DRILLING BY: MIDNIGHT — STARTED: — COMPLETED: — DRILLING TIME-HRS: — SURVEYED BY: — CO-ORD SYSTEM: GRID — GRID AZIMUTH: — PAGE 1 OF 1
Survey Data	TURN'G PT. 000 in Collar: 000 — FROM: 0 — TO: 300 — MT/FT: FT — TOTAL DEPTH/LENGTH: 300 — AZM: 247 — CLOCKWISE FROM TRUE N: — V-ANG: -50 — NEG IF DOWN: — HASH TOTAL: NOT INCLUDING ANY BLANK FIELDS — NORTHING: — EASTING: — ELEVATION:
Upper Tier Geodata	FLAG: NAM / SCL — Unit of Recov.: FT — RECOVERY: %REC — ROCK TYPE: — TEXTURES: FOLIATION — FRACTURE COUNT: S/F M/F — STRUC1 ID: — STRIKE AZM: — DIP: — ALTERATION & MINERALIZATION DEFAULT SUITES: KF LI HE BI MA AZ BO CP CC — SUMMARY:
Lower Tier Geodata	FLAG: NAM / SCL — Unit of RQD: — RQD: %RQD — AGE Form'n: — ENV: — RTQ: — LC Colour: — TM1: — QM1: — TX1: — TX2: — Se: — Ru: — Sr: — OC: — R: — Ir: — L: — SJ: — Tr: — Tr: — STRUC2 ID: — AZM: — DIP: — KF: SI — MU: CL — EP: — HE: — Hw Amt: — PR: TE — MO: PY — SL: MT — Hw Amt: MO — Hw Amt:
GRAPHIC	

FROM	TO	SAMPLE NO.	INT.		
P	0	35		OVERBURDEN	
P	35	45	2c		
NI	35	45	2	1g	
P	45	55	2c		
P	55	65	2c		
NI	55	65	4	1g	
P	65	75	2c		
NI	65	75	3	1g	
P	75	85	1g		
NI	75	85	3	2c	
P	85	135	1g	NO. 5 ZONE	C/
P	135	185	2c		D/
P	185	205	3		C/ HV
NI	185	205	3	2c	
P	205	235	2c		HV
P	235	300	2	2d? - PINK	F+
				MAFICS - CHLORITIZED AND SERICITIZED	HV D/
				COULD BE FAULT ZONE - SLICKENSIDED HE FRACTURE FILLINGS.	
				HE + or HIGHER	

81-130

S = Alpha S, 0 = Zero, 1 = One, 2 = Two, 7 = Seven, Ø = Alpha O, I or I = Alpha I, Z = Alpha Z

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE E

Identity Data	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	I	D E N	6 8 0 2	0 2	W1002	FC	92	08																				
	I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION														WILLIAMS CREEK												

Survey Data	TURN C PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S			FT							

Upper Tier Geodata	FLAG		RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fe	Cr	%C	MP	FRACTURE COUNT	1	2	Ent Typ	Tl	STRUC1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Ai	M2
	N A M		Unit of Recov.																																	
	S C L		Unit of Length																																	

Lower Tier Geodata	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM1	QM2	TX3	TX4	Sa	Rn	Sn	O/C	Is	Im	Ik	Si	Ent Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
	N A M																																			
	S C L	Unit of RQD																																		

GRAPHIC

A — Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999 — RECOVERY — SS = Sample Serial No.

H — If Flag [illegible] of 21-48 = SS No. grouped

F — Flag [illegible] any no. 01-99 as defined

		FROM	TO	SAMPLE NO.	INT.
K	H/W	55'	65'	544985	10'
		65	75	86	
K	F/W	75	85	87	
		85	95	88	
A	SAM	95	105	89	
		105	115	90	
		115	125	91	✓
		125'	135'	544992	10'

Z = Alpha 7 — 1 or 1 = Alpha 1 — Ø = Alpha 0 — 7 = Seven — 2 = Two — 1 = One — 0 = Zero — 5 = Alpha 5

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG	DEN 6802	W1002
PRJ	WESTERN COPPER HOLDINGS : THERMAL EXPLORATION	
ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER	RC-92-1019	
SIZE OF CORE OR HOLE	5.5"	
GEOLOGGED BY	MIH	
DRILLING BY	MIDWEST	
STARTED		
COMPLETED		
DRILLING TIME-HRS		
SURVEYED BY		
CO-ORD SYSTEM	GRID	
GRID AZIMUTH		
PAGE	1	
OF		
SURVEY FROM	0	
SURVEY TO	350	
MT/FT	FT	
TOTAL DEPTH/LENGTH	350.	
AZM CLOCKWISE FROM TRUE N	215.	
V-ANG NEG IF DOWN	-45.	
MAIN TOTAL = N-T = TD - AZM = V-ANG = N-E = EL NOT INCLUDING ANY BLANK FIELDS		
NORTHING NEG IF SOUTH		
EASTING NEG IF WEST		
ELEVATION NEG IF SUB-SEA		
RECOVERY	%REC	
ROCK TYPE	FOLIATION	
	S/F/M/F	
ROD	%ROD	
	L/F	
SAMPLE NO. INT. FROM TO		

FROM	TO	SAMPLE NO. INT.	
0	35		OVERBURDEN
35	2815		2c
35	2815		3 MINOR -SPOTTY
2815	3150		12 MAFICS- CHLORITIZED & SERICITIZED PINK HE > OR MORE
1415			DRILL STUCK : Y/N FAULT(?)
2666	2681		FAULT + YELLOWISH COLOUR + SOFT/SM + HIGH CARBONATE CONTENT.
2915	3015		+ IN WATTER PART OF INTERVAL CHIPS OF FAULT - GREENISH + SOFT - HIGH CARBONATE CONTENT.
3135	3150		WEAKER CHLORITIZATION & SERICITIZATION

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	ENTITY OF PROJECT SUB-PROJECT (UNHOLE)	ID or DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY / MM / DD / BY	COMPLETED MM / DD	DRILLING BY	STARTED YY / MM / DD	COMPLETED MM / DD	DRILLING TIME-HRS	SURVEY BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W1002	NC-912-V0	5.5"	MH		MIDNIGHT					GRID		1	1
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION							WILLIAMS CREEK								

	TURN'G PT. BOD in Cent'ar	FROM (Must be Last of Previous)	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	MASH TOTAL = T = TD − AZM + V-ANG + N + E + EL (NOT INCLUDING ANY BLANK FIELDS)	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	0 0 0	10	2010	FIT	2000.	247.	-50.				

	FLAG	— RECOVERY	T MIN	% MIN	ROCK	TYPING MINS TM1	TAU	CALMAT OM1	TEXTURES TX1	TX2	GRAIN Gr	C/F	C=C	MP	FRACTURE COUNT	Int Typ	T1	STRUC1 ID	STRIKE AZM	DIP	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	ZZ	PT	CP	CL	YY	SUMMARY Fe1	Al	Mn1
/	N A M																															
/	S C L	%REC			ROCK TYPE				FOLIATION						S/F	M/F					KF	LI	HE	BI		MA	AZ	BO	CP	CC			
L	L	%RQD													L/F						SI	CL	EP			TE	PY	MT	MO				

	FLAG	ROD	ACK Depth	ENV	RTQ	LC Comm	TM1	OM1	TX1	TX2	Sr	Br	Chc	B	In	TJ	Int Typ	T1	STRUC2 ID	AZM	DIP	K F	MU	CL	EP	HE	Min Alter	PR	MO	SL	Min Alter	Hem1	Hem2	MASH TOTAL
A	N A M	RECOVERY																																
F	S C L	SAMPLE NO.		INT.																														

FROM	TO		
P	10	415	OVERBURDEN.
L			
P	415	515	2 STRONGLY WEATHERED
L			
P	515	615	2
L			
P	615	815	2
L			
N	615	815	1 2
L			
P	815	915	2
L			
P	915	1010	2
L			
N	915	1010	2 1
L			
P	1010	1115	2 MODERATE BI CONTENT
L			
P	1115	1132	1 F MODERATE HBL CONTENT
L			MODERATE MA.
P	1132	1315	2
L			
P	1315	1610	1 WEAK MA TO NIL
L			
P	1150	1155	MODERATE MA TO WEAK
L			
P	160	200	2
L			

0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or l = Alpha I Z = Alpha Z S = Alpha S

81-130

International Geosystems Corporation

Geolog System

SAMPLE FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE

KEY	FLAG	FORMAT VERSION	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID or DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 8 0 2 0 2	W1002	RC	92	10													1	1
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION										WILLIAMS CREEK								

	TURN G.P.T. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

	FLAG		RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC1 ID	STRIKE AZM	DIP To Right	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY	SUMMARY Fa Al Mz
Upper Tier Geodata	NAM	Unit of Recov.																		
	SCL	Unit of Length	T	2																

	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	L.C. Colour	TM3	QM2	TX1 TX4	Sa Rn Sn O/C	Is Im	k Sl	Int Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
Lower Tier Geodata	NAM	Unit of RQD																												
	SCL																													

GRAPHIC

A: Any Zone Flag or Flag = COMposite, MAX or MIN or 001 - 999
H: If Flag = 1 or 2 or 21-68 = SS No. grouped
F: Flag with no. 01-99 as defined

RECOVERY — SS = Sample Serial No.

		FROM	TO	SAMPLE NO.	INT.
K	H/W	80	85	544913	5
		85	90	14	
K	F/W	90	95	15	
		95	100	16	
A	SAM	100	105	17	
		105	110	18	
		110	115	19	
		115	120	20	
		120	125	21	
		125	130	22	
		130	135	23	
		135	140	24	
		140	145	25	
		145	150	26	
		150	155	27	
		155	160	28	
		160	165	29	
		165	170	544930	5

30 @ .55

40 @ 0.47

Z = Alpha Z
I or I = Alpha I
Ø = Alpha O
7 = Seven
2 = Two
1 = One
0 = Zero
S = Alpha S

81-130

International Geo[illegible]Items Corporation Ge[illegible]System [illegible]IN FORM Geoform

| | | |

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-92-01

Page Number 1
Total Pages 1
Certificate Date 16-SEP-92
Invoice No. I-9221226
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221226

SAMPLE DESCRIPTION	PREP CODE		Cu %
544646	208	274	< 0.01
544647	208	274	< 0.01
544648	208	274	0.48
544649	208	274	0.84
544650	208	274	0.48
544651	208	274	0.88
544652	208	274	1.09
544653	208	274	0.43
544654	208	274	0.16
544655	208	274	0.01
544656	208	274	< 0.01
544657	208	274	0.01
544658	208	274	< 0.01
544659	208	274	< 0.01
544660	208	274	< 0.01
544661	208	274	< 0.01

CERTIFICATION _____

09/10/92 9:24AM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brookbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, Y1
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC 92-04

Page Number 1
Total Pages 1
Certificate Date: 16-SEP-92
Invoice No. I-9221227
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221227

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544662	208 276	0.07	delay	delay	delay
544663	208 276	0.10	delay	delay	delay
544664	208 276	0.10	delay	delay	delay
544665	208 276	0.05	delay	delay	delay
544666	208 276	0.60	delay	delay	delay
544667	208 276	0.25	delay	delay	delay
544668	208 276	0.18	delay	delay	delay
544669	208 276	0.19	delay	delay	delay
544670	208 276	1.44	delay	delay	delay
544671	208 276	0.30	delay	delay	delay
544672	208 276	1.48	delay	delay	delay
544673	208 276	1.11	delay	delay	delay
544674	208 276	0.92	delay	delay	delay
544675	208 276	0.81	delay	delay	delay
544676	208 276	1.51	delay	delay	delay
544677	208 276	0.84	delay	delay	delay
544678	208 276	0.17	delay	delay	delay
544679	208 276	0.39	delay	delay	delay
544680	208 276	1.21	delay	delay	delay
544681	208 276	2.92	delay	delay	delay
544682	208 276	2.39	delay	delay	delay
544683	208 276	1.51	delay	delay	delay
544684	208 276	1.82	delay	delay	delay
544685	208 276	1.71	delay	delay	delay
544686	208 276	3.99	delay	delay	delay
544687	208 276	2.57	delay	delay	delay
544688	208 276	4.43	delay	delay	delay
544689	208 276	1.20	delay	delay	delay
544690	208 276	1.65	delay	delay	delay
544691	208 276	0.66	delay	delay	delay
544692	208 276	0.03	delay	delay	delay
544693	208 276	0.03	delay	delay	delay
544694	208 276	0.01	delay	delay	delay
544695	208 276	0.01	delay	delay	delay
544696	208 276	0.03	delay	delay	delay

70' @ .012

130' @ 1.40

60' @ 2.18

COMPARES WITH DDH Hole 1-25 158' @ 1.36

DIFFERENCE IN INTERCEPT WIDTH IS PROBABLY A FUNCTION OF DIFFERENT DRILL HOLE ANGLES.

CERTIFICATE INCOMPLETE

CERTIFICATION

PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC 02 04

Page Number 1
Total Pages 1
Certificate Date 18-SEP-92
Invoice No. I-9221227
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221227

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544662	208 276	0.07	0.06	< 0.03	< 0.3
544663	208 276	0.10	0.09	0.03	< 0.3
544664	208 276	0.10	0.09	0.03	< 0.3
544665	208 276	0.05	0.05	< 0.03	< 0.3
544666	208 276	0.60	0.40	0.21	2.2
544667	208 276	0.25	0.22	0.10	0.9
544668	208 276	0.18	0.14	0.07	0.8
544669	208 276	0.19	0.17	0.07	0.9
544670	208 276	1.44	1.34	0.38	5.4
544671	208 276	0.30	0.29	0.10	0.8
544672	208 276	1.48	0.78	0.38	4.1
544673	208 276	1.11	1.04	0.31	3.0
544674	208 276	0.92	0.62	0.34	3.3
544675	208 276	0.81	0.67	0.21	2.3
544676	208 276	1.51	0.64	0.41	4.5
544677	208 276	0.84	0.65	0.24	2.3
544678	208 276	0.17	0.13	0.07	0.5
544679	208 276	0.39	0.36	0.14	0.7
544680	208 276	1.21	1.15	0.58	3.8
544681	208 276	2.92	1.89	0.99	15.1
544682	208 276	2.39	2.20	1.37	12.0
544683	208 276	1.51	1.51	0.99	8.0
544684	208 276	1.82	1.80	1.23	9.0
544685	208 276	1.71	1.65	0.99	9.1
544686	208 276	3.99	3.91	1.95	26.2
544687	208 276	2.57	2.56	1.58	17.7
544688	208 276	4.43	3.19	3.53	37.6
544689	208 276	1.20	1.15	0.55	5.5
544690	208 276	1.65	1.53	0.82	8.4
544691	208 276	0.66	0.59	0.45	3.0
544692	208 276	0.03	0.03	0.03	< 0.3
544693	208 276	0.03	0.02	< 0.03	< 0.3
544694	208 276	0.01	< 0.01	< 0.03	< 0.3
544695	208 276	0.01	< 0.01	< 0.03	< 0.3
544696	208 276	0.03	0.02	< 0.03	< 0.3

GOLD

40' @ 1.58 g/t

70' @ 1.23 g/t

130' @ 0.70 g/t

CERTIFICATION:

09/18/92 4:56PM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-92 05

Page Number 1
Total Pages 1
Certificate Date 18-SEP-92
Invoice No. I-9221335
P.O. Number
Account

CERTIFICATE OF ANALYSIS A9221335

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544801	208 276	0.45	delay	0.07	delay
544802	208 276	0.30	delay	0.03	delay
544803	208 276	0.66	delay	0.14	delay
544804	208 276	2.19	delay	0.41	delay
544805	208 276	0.77	delay	0.10	delay
544806	208 276	0.43	delay	0.10	delay
544807	208 276	0.45	delay	0.10	delay
544808	208 276	0.73	delay	0.21	delay
544809	208 276	0.62	delay	0.10	delay
544810	208 276	0.23	delay	0.03	delay
544811	208 276	0.97	delay	0.27	delay
544812	208 276	0.88	delay	0.21	delay
544813	208 276	0.91	delay	0.21	delay
544814	208 276	0.25	delay	0.10	delay
544815	208 276	0.20	delay	< 0.03	delay
544816	208 276	0.87	delay	0.27	delay
544817	208 276	1.18	delay	0.34	delay
544818	208 276	1.29	delay	0.21	delay
544819	208 276	0.93	delay	0.14	delay
544820	208 276	0.80	delay	0.10	delay
544821	208 276	0.60	delay	0.10	delay
544822	208 276	0.85	delay	0.27	delay
544823	208 276	1.07	delay	0.45	delay
544824	208 276	0.72	delay	0.75	delay
544825	208 276	2.25	delay	2.53	delay
544826	208 276	3.37	delay	2.33	delay
544827	208 276	4.27	delay	2.47	delay
544828	208 276	1.55	delay	0.51	delay
544829	208 276	1.84	delay	1.10	delay
544830	208 276	1.08	delay	0.65	delay
544831	208 276	0.77	delay	0.24	delay
544832	208 276	0.16	delay	< 0.03	delay
544833	208 276	0.10	delay	< 0.03	delay
544834	208 276	0.01	delay	< 0.03	delay
544835	208 276	0.05	delay	< 0.03	delay
544836	208 276	0.02	delay	< 0.03	delay
544837	208 276	0.05	delay	< 0.03	delay
544838	208 276	0.06	delay	< 0.03	delay
544839	208 276	0.01	delay	< 0.03	delay

80m @ 0.66

45' @ 0.93

55' @ 1.11

160' @ 1.07

COMPARED TO
1-26
146' @ 0.85

ALOCE 1-26 LOST
IN MINERALIZATION
ACCOUNTING FOR LONGER
INTERCEPT LENGTH.
* INCREASE OF 29%

09/18/92 5:22PM CHEMEX LABS VAX-FAX PAGE 02

CERTIFICATE INCOMPLETE

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-92-05

Page Number 1
Total Pages 1
Certificate Date 22-SEP-92
Invoice No. I-9221335
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221335

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsol %	Au g/t	Ag g/t
544801	208 276	0.45	0.40	0.07	0.9
544802	208 276	0.30	0.26	0.03	1.1
544803	208 276	0.66	0.59	0.14	1.9
544804	208 276	2.19	1.90	0.41	7.2
544805	208 276	0.77	0.66	0.10	1.9
544806	208 276	0.43	0.37	0.10	1.0
544807	208 276	0.45	0.40	0.10	1.1
544808	208 276	0.73	0.67	0.21	2.5
544809	208 276	0.62	0.44	0.10	2.4
544810	208 276	0.23	0.18	0.03	0.4
544811	208 276	0.97	0.80	0.27	3.6
544812	208 276	0.88	0.82	0.21	2.0
544813	208 276	0.91	0.79	0.21	2.2
544814	208 276	0.25	0.19	0.10	0.7
544815	208 276	0.20	0.15	< 0.03	0.5
544816	208 276	0.87	0.81	0.27	3.0
544817	208 276	1.18	1.08	0.34	4.2
544818	208 276	1.29	1.22	0.21	3.3
544819	208 276	0.93	0.82	0.14	2.4
544820	208 276	0.60	0.61	0.10	2.0
544821	208 276	0.60	0.54	0.10	1.6
544822	208 276	0.85	0.78	0.27	2.4
544823	208 276	1.67	0.96	0.45	3.6
544824	208 276	0.72	0.57	0.75	6.4
544825	208 276	2.25	2.20	2.53	13.3
544826	208 276	3.37	3.34	2.33	21.8
544827	208 276	4.27	4.20	2.47	26.6
544828	208 276	1.55	1.54	0.51	7.7
544829	208 276	1.84	1.84	1.10	13.1
544830	208 276	1.08	1.05	0.65	4.9
544831	208 276	0.77	0.61	0.24	3.7
544832	208 276	0.16	0.12	< 0.03	0.5
544833	208 276	0.10	0.09	< 0.03	0.4
544834	208 276	0.01	0.01	< 0.03	0.2
544835	208 276	0.05	0.03	< 0.03	0.3
544836	208 276	0.02	0.01	< 0.03	0.2
544837	208 276	0.05	0.04	< 0.03	0.3
544838	208 276	0.06	0.05	< 0.03	0.2
544839	208 276	0.01	0.01	< 0.03	0.3

GOLD

40 @ 0.21 g/t

160 @ 0.45 g/t

350 1.48 g/te

CERTIFICATION _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-02-06

Page Number 1
Total Pages 2
Certificate Date 18-SEP-92
Invoice No. I-9221336
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221336

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544840	208 276	< 0.01	delay	< 0.03	delay
544841	208 276	< 0.01	delay	< 0.03	delay
544842	208 276	< 0.01	delay	< 0.03	delay
544843	208 276	< 0.01	delay	< 0.03	delay
544844	208 276	0.25	delay	0.07	delay
544845	208 276	1.14	delay	0.38	delay
544846	208 276	1.12	delay	0.21	delay
544847	208 276	2.21	delay	0.34	delay
544848	208 276	1.46	delay	0.27	delay
544849	208 276	0.89	delay	0.31	delay
544850	208 276	0.87	delay	0.21	delay
544851	208 276	0.32	delay	0.10	delay
544852	208 276	0.49	delay	0.14	delay
544853	208 276	0.39	delay	0.17	delay
544854	208 276	0.62	delay	0.31	delay
544855	208 276	0.79	delay	0.21	delay
544856	208 276	1.02	delay	0.24	delay
544857	208 276	0.93	delay	0.31	delay
544858	208 276	0.62	delay	0.21	delay
544859	208 276	0.38	delay	0.14	delay
544860	208 276	0.48	delay	0.38	delay
544861	208 276	0.61	delay	0.65	delay
544862	208 276	0.70	delay	0.86	delay
544863	208 276	0.67	delay	0.75	delay
544864	208 276	1.51	delay	3.22	delay
544865	208 276	3.73	delay	2.98	delay
544866	208 276	3.81	delay	3.22	delay
544867	208 276	3.36	delay	1.20	delay
544868	208 276	0.78	delay	0.14	delay
544869	208 276	0.49	delay	0.07	delay
544870	208 276	0.99	delay	0.17	delay
544871	208 276	0.91	delay	0.24	delay
544872	208 276	0.35	delay	< 0.03	delay
544873	208 276	0.16	delay	< 0.03	delay
544874	208 276	0.05	delay	< 0.03	delay
544875	208 276	0.02	delay	< 0.03	delay
544876	208 276	0.02	delay	< 0.03	delay
544877	208 276	0.03	delay	< 0.03	delay
544878	208 276	0.03	delay	< 0.03	delay
544879	208 276	0.03	delay	< 0.03	delay

35' @ 1.14

65' @ 0.62

45' @ 1.77

145' @ 1.11

COMPARED WITH
1-19 WITH
165' @ 0.96

INCREASE OF 16%

CERTIFICATE INCOMPLETE

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia Canada V7J 2C1
PHONE 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-92-06

Page Number 1
Total Pages 2
Certificate Date 22-SEP-92
Invoice No. I-9221336
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221336

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544840	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544841	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544842	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544843	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544844	208 276	0.25	0.21	0.07	1.0
544845	208 276	1.14	0.96	0.38	3.4
544846	208 276	1.12	1.02	0.21	3.2
544847	208 276	2.21	2.18	0.34	4.8
544848	208 276	1.46	1.46	0.27	3.8
544849	208 276	0.89	0.74	0.31	3.9
544850	208 276	0.87	0.80	0.21	2.1
544851	208 276	0.32	0.28	0.10	0.8
544852	208 276	0.49	0.45	0.14	0.8
544853	208 276	0.39	0.34	0.17	1.6
544854	208 276	0.62	0.53	0.31	2.4
544855	208 276	0.79	0.76	0.21	3.3
544856	208 276	1.02	1.00	0.24	3.0
544857	208 276	0.93	0.88	0.31	3.5
544858	208 276	0.62	0.55	0.21	2.0
544859	208 276	0.38	0.34	0.14	1.5
544860	208 276	0.48	0.40	0.38	3.1
544861	208 276	0.61	0.51	0.65	5.1
544862	208 276	0.76	0.61	0.86	5.2
544863	208 276	0.67	0.62	0.75	5.3
544864	208 276	1.51	1.50	3.22	12.3
544865	208 276	3.73	2.98	2.98	22.5
544866	208 276	3.81	3.79	3.22	27.8
544867	208 276	1.36	3.45	1.20	12.6
544868	208 276	0.78	0.74	0.14	0.9
544869	208 276	0.49	0.44	0.07	< 0.3
544870	208 276	0.99	0.98	0.17	0.8
544871	208 276	0.91	0.81	0.24	3.5
544872	208 276	0.35	0.29	< 0.03	< 0.3
544873	208 276	0.16	0.14	< 0.03	< 0.3
544874	208 276	0.05	0.04	< 0.03	< 0.3
544875	208 276	0.02	< 0.01	< 0.03	< 0.3
544876	208 276	0.02	0.02	< 0.03	< 0.3
544877	208 276	0.03	0.02	< 0.03	< 0.3
544878	208 276	0.03	0.01	< 0.03	< 0.3
544879	208 276	0.03	0.02	< 0.03	< 0.3

GOLD

145' @ 0.68 g/t

20' @ 2.66

35' @ 1.89 g/t

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-02-06

Certificate Date 22-SEP-92
Invoice No. I-9221336
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221336

SAMPLE DESCRIPTION	PREP CODE		Cu %	Cu nsul %	Au g/t	Ag g/t
544880	208	276	0.03	0.02	< 0.03	< 0.3
544881	208	276	0.04	0.03	< 0.03	< 0.3
544882	208	276	0.03	0.02	< 0.03	< 0.3
544883	208	276	0.02	0.01	< 0.03	< 0.3
544884	208	276	0.02	0.02	< 0.03	< 0.3

CERTIFICATION:

09/22/92 9:25PM CHEMEX LABS VAX-FAX PAGE 03

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC 92 08

Page Number 1
Total Pages 1
Certificate Date 18-SEP-92
Invoice No. I-9221337
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221337

SAMPLE DESCRIPTION	PREP CODE		Cu %
544885	208	276	< 0.01
544886	208	276	< 0.01
544887	208	276	0.04
544888	208	276	0.02
544889	208	276	0.01
544890	208	276	0.01
544891	208	276	0.06
544892	208	276	0.01

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON RC-92-10

Page Number 1
Total Pages 1
Certificate Date 27-SEP-92
Invoice No. I-9221766
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221766

SAMPLE DESCRIPTION	PREP CODE	Cu %
544913	208 274	0.02
544914	208 274	< 0.01
544915	208 274	< 0.01
544916	208 274	< 0.01
544917	208 274	< 0.01
544918	208 274	< 0.01
544919	208 274	0.01
544920	208 274	0.40
544921	208 274	0.33
544922	208 274	0.97
544923	208 274	0.64
544924	208 274	0.39
544925	208 274	0.52
544926	208 274	0.18
544927	208 274	0.27
544928	208 274	0.08
544929	208 274	0.01
544930	208 274	0.05

30' @ 0.55

40' @ 0.47

CERTIFICATION

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT (OR SUB-PROJECT (UNIQUE))	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W100.2	156	-	92	HQ		MH			CARON	92 08 18	08 19			GRID		1	7
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

	TURN'G PT. 000 = Collar	FROM Metric Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	0 0 0	0	225	FIT	225.	247.	-50.	.	.	.

	FLAG N A M / S C L	Unit of Recov. / Unit of Length	RECOVERY	T_MACID	% Mins	ROCK TYPE	TYPIFYING MINS TM1 TM2	QAL MAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C IMP	FRACTURE COUNT 1 2	Im Typ	Ti	STRUC1 ID	STRIKE AZM	Im	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	GL	YY	SUMMARY Fa Al Mi
Upper Tier Geodata		Unit of Recov. / Unit of Length = F T . 2	%REC			ROCK TYPE			FOLIATION		S/F M/F							KF	LI	HE BI MA AZ	BD	CP	CC	
Lower Tier Geodata		Unit of R Q D	%RQD			LIT								STRUC2 ID	AZM			ST	CL	EP TE	PY	MT	MO	

	FROM:	TO	SAMPLE NO.	INT.	RECOVERY	RQD	AGE Form'n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sx	Rx	Sv	O/C	h	lm	b	SJ	Im Typ	Ti	Struc2 ID	AZM	Im	DIP to Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hcav1	Hcav2	HASH TOTAL
S	200																																						
/	0	12	CASING — NO CORE																																					
L																																							
/	12	16				68																																	
/	16	175				68																																	
/	175	205				87																																	
/	205	24				77																																	
/	24	265				56																																	
/	265	295				87																																	
/	295	34				191																																	
/	34	375				91																																	
/	375	140				44																																	
/	40	45				100																																	
/	45	50				94																																	
/	50	515				80																																	
/	515	565				96																																	
/	565	595				87																																	
/	595	645				104																																	
/ P	12	20				8%		2d																															
L																																							
/ D	20	30				4%		2d																															
L																																							
/ D	30	40				16%		2d	LAST 0.4 FT. MD																														
L									K-SPAR PHENOCRYSTS																														
K	332								SK-HE																														
/ P	40	50				23%		2a																															
L																																							
/ N	4335	4314			X		3																															
L																																							

1 = One 2 = Two 7 = Seven Ø = Alpha O I or l = Alpha I Z = Alpha Z S = Alpha S 0 = Zero

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS in COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG D E N 6 8 0 2 0 2 | IDENTITY OF PROJECT OR SUB-PROJECT (UMHOLE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE 1 5 6 | NUMBER -92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 2 OF 7

P R J: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

S: TURN C PT. 000 = Collar | FROM Metric Loc. of Feature | TO | MT/FT FIT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. F T . 2 | Unit of Length | RECOVERY | T mod | % Mix | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QAL MAT QM1 | TEXTURES TX1 TX2 | GRAIN Pf C I °C MP | FRACTURE COUNT | Int Typ | Ti | STRUC 1 ID | STRIKE AZM | Dist | DIP To Right | OZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | CP GL YY | SUMMARY Fst At Mt

Lower Tier Geodata: FLAG N A M / S C L | M or F | Unit of RQD | %RQD | ACC Form | ENV | RTQ | CC Colour | TM2 | QM2 | TX2 TX4 Sa Rn Sh O/C | N Int L SJ | Int Typ | Ti | STRUC 2 ID | AZM | Dist | DIP To Right | KF | MU | CL EP HE | Hw Amt PR | MO SL | Hw Amt | How1 | How2

A: Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999 | If Flag = Rnd, 1 thru 99 as omit | FROM | TO | SAMPLE NO. | INT. | RECOVERY | SS = Sample Serial No. | From | To | SS # | HASH TOTAL

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2	0 2	W1002			156-92													3	7
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	RECOVERY	ROCK TYPE	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
Unit of Recov. / Unit of Length F	%REC				FOLIATION		S/F M/F				KF LL HE BI CA MA AZ BO CP CC	

FLAG	RQD	AGE	ENV	RTQ	L/F	STRUC2 ID	AZM	DIP	KF MU CL EP HE PR MO SL
Unit of RQD	%RQD				L/F				SI CL EP TE PY MT MO

GRAPHIC

FROM	TO	SAMPLE NO.	INT								
P	80	90		2d			2.7 .6			21	24
L		24%					.4		H+	H)	
K	813				SK-HE			F/	25		
K	837	853			0.1 FT GOUGE			F/	20		
					ALONG CORE - SK						
					HE-CA-CL						
K	865				SK-HE — MAJOR FAULT			F/	25		
AP	860	90								E-	
L									H)		
N1	892	894	X	3				D/	30		
L											
P	90	100		2d			2+ .4				
L		27%					.7		H)		
N1	905	909	X	3				D/	30		
L											
N2	919	920	X	3							
L											
N3	928	931	X	3							
L											
N4	986	992	X	3							
L											
P	100	110		2d			2.2 .2			F(	
L		30%					.4		H-		
K	1035				SK-HE			F/	25		
K	1052							F/	20		
N1	1065	1067	X	3				D/	45		
L											
P	110	120					2.1 .2			F-	
L		33%					.7			2-	
N1	1127	1146	X	3	IN PART PURE QUARTZ						
L											
K	1150							F/	25		

FROM	TO	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
21	24		
H+	H)	D.	
E-			
H)		D.	
P)		F.	
H)		D.	
F(		F.	
H-		D.	
F-		F.	
2-		D.	

International Geosystems Corporation — Geolog System — MA[illegible] FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG DEN 6 B 0 2 0 2 | IDENTITY OF PROJECT (OR SUB-PROJECT (UNIQUE)): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX: 156 | TYPE: - | NUMBER: 92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 14 OF 17

PRJ: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — WILLIAMS CREEK — PROJECT

Survey Data: TURN G PT. 000 = Collar | FROM Metric Loc of Pressure | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length: F T ÷ 2 | RECOVERY: %REC | T_{MOD} | Mi/s | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg C/F C MP | FRACTURE COUNT 1 2 | Int Typ | Ti | STRUC1 ID | STRIKE AZM | DIP To Right | OZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY CP GL YY | SUMMARY Fa Al Mz 1

Lower Tier Geodata: FLAG NAM SCL | M or F | Unit of RQD: %RQD | RQD | ACE Form n | ENV | RTQ | LC Colour | TM3 | QM3 | TX3 | TX4 | Sa Ra Sh O/C | Is Ia Ic Ig | Int Typ | T2 | STRUC2 ID | AZM | DIP To Right | KF | MU | CL EP HF | Hw Amt PR MO SL | Hw Amt | Hcm2 Hcm1

FOLIATION — S/F M/F — L/F — KF LI — HE BI — MA AZ BO CP CC — SI — CL — EP — TE PY MT MO

GRAPHIC — A: Anv Zone Flag or Hole = CO mposite, MAJ2 or MIN or 001 ÷ 999; If Flag = Blnk FROM: If 21-44 = 1 S mp. gmp; If any no. 07-99 as dom TO

RECOVERY: SS = Sample Serial No. — SAMPLE NO. INT. — From SS # — To SS # — HASH TOTAL

FROM	TO	%REC
90	94.5	82
94.5	97.5	93
97.5	99	106
99	103.5	71
103.5	108	117
108	110	125
110	114.5	91
114.5	119	106
119	121	93
121	126	102
126	130	90
130	135	94
135	140	88
140	145	96
145	147	80
147	150	92
150	155	97
155	160	98
160	165	96
165	170	94
170	175	100
175	180	84
180	183.5	89
183.5	185	116
185	190	86
190	195	87
195	198	60
198	202.5	64
202.5	205.5	83
205.5	210	67
210	215	100
215	220	92
220	225	100

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 8 0 2 0 2		W1002			156-92													5	17
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN G.PT. 000 = Comp	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S			FT							

FLAG	Unit of Recov.	RECOVERY	T MOD	% MIN	ROCK TYPE	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fx	Cx	%C	MP	FRACTURE COUNT 1	2	Im Typ	T1	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	SUMMARY Fa	Al	Mz1
N A M		%REC			ROCK TYPE				FOLIATION						S/F	M/F						KF	LI	HE	BI	CB	MA	AZ	BO	CP	CC			
S C L	Unit of Length F T . 2																																

FLAG	M or F	ROD	AGE Form n	ENV	RTQ	LC Colour	TM1	QM1	TX1	TX2	Sx	Rx	Sh	O/C	Is	Im	Ix	Im Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	+How1	+How2
N A M		%RQD													L/F																			
S C L	Unit of R Q D																						SI	CL	EP			TE	PY	MT	MO			

L T	A H F	1 2 3 4	5 6 7 8 9 10	11 12 13 14 15 16	17 18 19 20 21 22 23	24 25 26 27	28 29 30 31 32 33 34	35 36 37 38 39 40 41 42	43 44 45 46 47	48 49 50 51 52 53	54 55 56 57 58 59 60	61 62 63 64	65 66	67 68 69 70	71 72	73 74 75 76	77 78 79 80
		Alm Zone Flag or Flag = C Composite, MAX or MIN or 001 – 999			RECOVERY SS # = Sample Serial No.											
		If Flag = 81 – 99 Flag = n, any no. 01-99 as cent	FROM	TO	SAMPLE NO.	INT.	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	HASH TOTAL
							A1	A2	A3	A4	A5	A6	A7	A8	A9	

| | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MA' FORM — Geoform

Identity Data: FLAG DEN; FORMAT VERSION 6 B 0 2 0 2; SPEC; IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002; ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 156-92; SIZE OF CORE OR HOLE; GEOLOGGED YY MM DD BY; ASST BY; COMPLETED MM DD; DRILLING BY: WILLIAMS CREEK; STARTED YY MM DD; COMPLETED MM DD; DRILLING TIME-HRS; SURVEYED BY; CO-ORD SYSTEM; GRID AZIMUTH; PAGE 6 OF 7

FLAG PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION

Survey Data: TURNG PT. 000 m Collar; FROM Marks Sec of Feature; TO; MT/FT FT; TOTAL DEPTH/LENGTH; AZM CLOCKWISE FROM TRUE N; V-ANG NEG IF DOWN; HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS; NORTHING NEG IF SOUTH; EASTING NEG IF WEST; ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL; Unit of Recov.; Unit of Length FT; RECOVERY %REC; ROCK TYPE; TYPIFYING MINS; QALMAT; TEXTURES FOLIATION; GRAIN; FRACTURE COUNT S/F M/F; STRUC1 ID; STRIKE AZM; DIP; QZ KF; BI LI; ALTERATION & MINERALIZATION DEFAULT SUITES HE BI CA MA AZ BO CP CC; SUMMARY

Lower Tier Geodata: FLAG NAM SCL; M or F; RQD %RQD; L/F; STRUC2 ID; AZM; DIP; KF SI; MU CL; CL EP; TE PY; MT MO

GRAPHIC

FROM	TO	SAMPLE NO.	INT.										
P	150	160		2d		1.8 .4					C-		
		38%				.4				F.	2-		D.
N1	1509	15095	X	3				D/	40				
N2	1534	1535	X	3				D/	20				
N3	15665	1571	X	3				D/	40				
													D.
P	160	170		2d	HCL REACTION - NIL	2.5 .5					C.	F-	
		32%				.1				F.	2.		D.
N1	1611	1613	X	1	XENOLITH (?)								
K	1684				SHARP CONTACT -			C/	45				
					NO GOUGE - IS PARALLEL TO FOLIATION IN GNEISS AND GRANODIORITE								
N2	1684	170	X	1f	LOW IN BI BUT NOT					P)	D(	D*	
					UNIT 1e							D.	
P	170	180		1f		2.0 .5				P(	D)	D)	D- D.
		32%				.2						D.	D.
N1	17065	1726	X	2e							D-	C)	
												C/	
N2	1766	180	X	2e	FEW FRAGMENTS OF 3					P=	D-	C*	
P	180	190		1e	MAFIC BI>HB	2.5+ .4+				P1	P- D*	C)	
		8%			COULD BE CONSIDERED	.5+						C/	
					2e -								
N1	180	190	1	1g							P- D*	D*	

International Geosystems Corporation — Geolo[illegible]System — MA FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2 0 2		W1002		1	56-92													7	
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

	FROM	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S	Metric Loc of Feature		F T												

	FLAG	Unit of Recov.	RECOVERY	T MOD	MIX	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Gr	%C	MP	FRACTURE COUNT	Int Typ	T1	STRUC1 ID	STRIKE AZM	Int Typ	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	Mz	1
U	N A M / S C L	Unit of Length F T . 2	%REC			ROCK TYPE				FOLIATION					S/F M/F							KF	LI	HE	BI		MA	AZ	BO	CP	CC				

	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	CC Colour	TM1	QM1	TX1	TX2	Sa	Ra	Sh	Oc	N	Int	L	S1	Int Typ	T1	STRUC2 ID	AZM	Int Typ	DIP To Right	KF	MU	CL	EP	HE	How Amt	PR	MO	SL	How Amt	How2	How3
L	N A M / S C L	Unit of RQD %RQD	%RQD													L/F										SI	CL	EP			TE	PY	MT	MO			

	FROM	TO	SAMPLE NO.	INT.	A1 From	A1 To	A2 From	A2 To	A3 From	A3 To	A4 From	A4 To	A5 From	A5 To	A6 From	A6 To	A7 From	A7 To	A8 From	A8 To	HASH TOTAL	A9
A	Any Zone Flag or Flag = COMposite, MAS or MAN or 001 - 999		RECOVERY	SS = Sample Serial No.	1		2		3		4		5		6		7		8			9
	If Flag = FROM & TO are 21-68 = SS No. given	FROM	TO		SS #		SS #		SS #		SS #		SS #		SS #		SS #		SS #			
	Flag = Any no. 01-99 as sent																					

		FROM	TO																					
/	M2	1835	1837		X	3																	F)	
L																								
K		1833															E/	310						
K		1901					CONTACT IRREGULAR										C/	410	APPROX					
							CONTACT OF GNEISS AND										2d							
/	P	190	200			2d	MA DECREASING DOWN SECTION.								4.5	0+						F*		C—
L				5%											.3	+						3—		C/
/	P	200	210			2d									3.6	.1						G—		
L				8%											.2							C—		
/	N	2029	2032		X	3																		
L																								
/	P	210	220			2d									2.3	.6						C—		
L				40%											.3							2—		
K		2183															F/							
K		2192															E/							
/	P	220	225			2d									1.4	.6						C—		
L				36%											1.0							2—		

SAMPLES

160	1684	5444579	84	
1684	1710	5580	1.6	
1710	17616	5581	6.6	
17616	1850	5582	3.4	
1850	1910	5583	1.0	
1910	2000	5584	1.0	

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6802	02	W1002	01	56	92																				
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION														WILLIAMS CREEK											

TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	NASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM_1	TM_2	QALMAT QM_1	TEXTURES TX_1	TX_2	GRAIN Fr	Cr	%C	MP	FRACTURE COUNT	1	2	Ext Typ	T_1	STRUC1 ID	STRIKE AZM	Top Right	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Ar	Mt	I

FLAG	M or F	RQD	AGE Form	ENV	RTQ	LC Colour	TM_3	QM_2	TX_3	TX_4	Sa	Ru	Sw	O/C	Is	Ia	Ib	Sl	Ext Typ	T_2	STRUC2 ID	AZM	Top Right	DIP To Right	KF	MU	CL	EP	NE	Hw Amt	PR	MO	SL	Hw Amt	How 1	How 2

Unit of Recov. — Unit of Length — T = 2 — Unit of R Q D

Any Zone Flag or Flag = COMoisite, MAX or MIN or 001 – 999

If Flag = Gold or Silver, 01-68 = S.S. No. grouped

Flag added to any no. 01-99 as defined

		FROM	TO	SAMPLE NO.	INT.
K	H/W	130	140	54.4893	10
		140	150	94	10
K	F/W	150	160	95	10
		200	210	96	10
A	SAM	210	220	97	10
		220	225	98	5

S = Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or I = Alpha I Z = Alpha Z

International Geosys ms Corporation Geol System SAM LE FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	I	DEN	6B02	02	W1002	01	-	56-92													1	1
	I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	S	TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S				FT							

Upper Tier Geodata	FLAG		RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fe	Cr	%C	MP	FRACTURE COUNT 1	2	Ent Typ	T1	STRUC 1 ID	STRIKE AZM	Ent Typ	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	Mz
	NAM	Unit of Recov.																																		
	SCL	Unit of Length T • 2																																		

Lower Tier Geodata	FLAG		RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sa	Ra	Sn	O/C	N	Ia	K	Ti	Ent Typ	T2	STRUC 2 ID	AZM	Ent Typ	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hw 1	Hw 2
	NAM	M or F																																		
	SCL	Unit of RQD																																		

GRAPHIC

A — Any Zone Flag or Flag = COMBOSITE, MAX or MIN or 001 - 999
H — If Flag = Hydrogen Col 21-68 = SS No. grouped
F — Flag = Fine Col 21-68 = any pos. 01-99 as defined

	FROM	TO	SAMPLE NO.	INT.
K H/W	160'	168.4'	544579	8.4'
	168.4	170	580	1.6
K F/W	170	176.6	581	6.6
	176.6	180	582	3.4
A SAM	180'	190'	583	10.0
	190'	200'	544584	10.0'

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W1002		57	-912	HQ		MH	RC		CARON	92 08 19	08 21			GRID		/	II
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN C PT. 000 = Collar	FROM Metric Loc. of Recovery	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	000	0.		FT	385.	247.	-51 0.				

KEY	FLAG	RECOVERY	T_{MOD}	% MIX	ROCK TYPE	TYPIFYING MINS TM1	TM2	OALMAT QM1	TEXTURES TX1	TX2	GRAIN	FRACTURE COUNT	Int Typ	Ti	STRUCT ID	STRIKE AZM	Int Typ	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	XX	PY	SUMMARY	CP	CL	YY	
/	NAM SCL	%REC			ROCK TYPE				FOLIATION			S/F M/F							KF	LI	HE	BI	CA	MA	AZ		BD	CP	CC	
L	NAM SCL	%ROD										L/F							SI	CL	EP			TE	PY		MT	MO		

KEY	FLAG	FROM	TO	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM2	TX3	TX4	Sa	Rn	Sm	10/C	H	Im	h	SJ	Int Typ	T2	STRUC2 ID	STRIKE AZM	Int Typ	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Mon_2	Mon_3	HASH TOTAL
A	AHF	FROM	TO	SAMPLE NO.		INT.																																		
S		385																						247		-49													
/P		0	14	CASING																																				
/P		14	20				2c										MAFIC AB>BI													C-		F.	C-							
L				23%													MA DECREASES DOWN																C/		D.						
																	SECTION - MAFICS DARK BROWN/WEATHERED LOOKING																									
																	ALL NON-MAFIC PHENOCRYSTS LOOK SHATTERED. - VERY FRACTURED.																									
/NI		163	169		X		3																						C/ 55				C-							
L																													C-				C/							
K		15															SK-HE												F/ 45											
/P		20	30				2c										SIMILAR TO 14-20FT.													3(		F.								
L				5%																										H*			CP		D.						
K		227															SK-HE												F/ 35											
K		265															SK-HE												F/ 50											
K		27	29														SK-HE												F/ 5											
K		295															SK-HE												F/ 40											
K		298															SK-HE												F/ 45											
/P		30	40				2c										SIMILAR TO 14-30FT.														C-	3-		E.							
L				5%																											H*			CP		D.					
/NI		329	332		X		3										STRONGLY SHEARED APPEARANCE													D/ 35			F)								
/P		40	50				2c										SAND - HIGHLY CLAY - ALTERED - MAJOR FAULT ZONE - STRONG HCL REACTION																P.1+									
L				0%																										H*					D.					
/P		50	60				2c										VERY BROKEN UP TO 58.1 FT.															E.		F-								
L				7%																										E.					D.					
/FP		58.1	60		X												FAULT(?) - PHENOCRYSTS ARE CRUSHED BUT MOST OF THE SECTION IS RECOGNIZABLE GRANODIORITE - MOD. HAL REACTION -																									
L																																								

Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or I = Alpha I Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W1002			157-192													2	11
I	PRJ	WESTERN COPPER HOLDINGS ◊ THERMAL EXPLORATION											WILLIAMS CREEK								

	TURN C.P.T. 000 = Collar	FROM Metres Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S			FT							

	FLAG	RECOVERY	T MOD	MZ	ROCK TYPE	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fr	C/I	C/C	MP	FRACTURE COUNT 1	2	Ext Type	T1	STRUC1 ID	STRIKE AZM	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY FA	AV	MZ
/	NAM																																
/	SCL	Unit of Recov. — FIT • 3			ROCK TYPE				FOLIATION						S/F	M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			
L	NAM																																
L	SCL	Unit of Length — FIT • 3			%REC																												

	FLAG	ROD	ACE Form n	ENV	RTQ	I.C. Colour	TM3	QM2	TX3	TX4	Sh	Rn	Sn	O/C	H	Int	k	SI	Ext Type	T2	STRUC2 ID	AZM	DIP to Right	KF	MU	CL	EP	HE	How Amt	PR	MO	SL	How Amt	How2	How2
L	NAM																																	
L	SCL	Unit of R.Q.D — %RQD													L/F									SI	CL	EP			TE	PY	MT	MO			

GRAPHIC		RECOVERY	SS = Sample Serial No.	A1 From	A1 To	A2 From	A2 To	A3 From	A3 To	A4 From	A4 To	A5 From	A5 To	A6 From	A6 To	A7 From	A7 To	A8	HASH TOTAL
A	FROM	SAMPLE NO.	INT.																

		FROM	TO																																
/	P	60	70		43%		2c												1.9	.6				C•		E•				D•					
L																			.2																
/	P	70	80		22%		2c												3.3	.4				E—		F—				D•					
L																			.5					2•											
K		70						SK-HE													F/	5													
K		7017																			F/	10													
/	P	80	90		50%		2c												2.2	0				F—		F—				D•					
L																			.5					2											
K		8311						SK-HE													F/	25													
K		83015						SK-HE													F/	65													
/	N1	839	844				1c	FAPPEARS TO BE XENOLITH THAT IS FAULTED													F/	20		D*		P+	C) CP									
L																																			
/	AP	844	852					WEAKLY SHEARED																F—		F—										
L																																			
/	N2	857	862	X			1c	POSSIBLE ASSIMILATED XENOLITH - BIOTITIC (1c ?)																D—		P+	D— CP									
L																																			
K		874						SK-HE													F/	90													
K		878						SK1-HE													F/	25													
K		8186						SK1-HE													F/	60													
/	P	90	1010		15%		2c												3.4	.3				F•		F•				D•					
L																			.3																
K		905						SK-HE													F/	70													
/	P	1010	1110		27%		2c												2.6	.7						F•				D•					
L																			.5					H•										
/	N1	10915		X			1f	XENOLITH - PATCH - 0.2FT DIAMETER																D—			DD				D—			
L																																			
/	P	1110	1120		12%		2c												1.1	.5				F—		F—									
L																			0					F•						D•					
K		11613						SK-HE													F/	70													
K		11717						SK-HE													F/	45													
K		1816																																	

Alpha 5 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or L = Alpha I Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6 B 0 2 0 2 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 157 -96 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 3 | OF 11

PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK PROJECT

Survey Data: TURN G PT. 000 = Collar | FROM Metres Loc of Feature | TO | MT/FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length F T . 2 | RECOVERY | T MOD | % MISS | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cr %C IMP | FRACTURE COUNT 1 2 | Int Typ | T1 | STRUC 1 ID | STRIKE AZM | DIP In Degs | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | SUMMARY Fa Al Mi

Lower Tier Geodata: FLAG NAM SCL | M or F | Unit of R Q D | RQD | ACE Form | ENV | RTQ | LC Colour | TM3 | QM3 | TX3 TX4 Sa Ra Sh %C | N IM R SI | Int Typ | T2 | STRUC 2 ID | AZM | DIP In Degs | KF | MU | CL EP ME | Hw Amt | PR | MO SL | Hw Amt | How1 How2

GRAPHIC: Azm Zone Flag or Hole = COMposite MAG or MAN or 001 – 999 | If Flag = REAL or any no. 01-99 as cor | FROM | TO | RECOVERY | SAMPLE NO. | INT. | SS # Samples Serial No. | A1 To / From | A2 To / From | A3 To / From | A4 To / From | A5 To / From | A6 | A7 | A8 | A9 | HASH TOTAL

| | | FROM | TO | RECOVERY | SAMPLE NO. | INT. | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
Identity Data	I	D E N	6 B 0 2 0 2		W1002	157-92													4	11
	I	P R J	WESTERN COPPER HOLDINGS — THERMAL EXPLORATION									WILLIAMS CREEK								

	KEY	TURN G.PT. 000 = Collar	FROM Metric Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
Survey Data	S				FT							

	FLAG		RECOVERY	T_{MOD}	ROCK TYPE	TYPIFYING MINS	OALMAT	TEXTURES	GRAIN	FRACTURE	STRUC 1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES								SUMMARY		
														CY	CB	MG	XX	PY	CP	GL	YY			
Upper Tier Geodata	N A M / S C L	Unit of Recov. / Unit of Length = F T . 2	%REC		ROCK TYPE			FOLIATION		S/F M/F				QZ	BI				KF	LI	HE	BI		MA	AZ	BO	CP	CC			
Lower Tier Geodata	N A M / S C L	Unit of R.Q.D.	%RQD							LF				SI	CL	EP							TE	PY	MT	MO			

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FILE	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002	1	1	57-912													5	11
I	P R J	WESTERN COPPER HOLDINGS ± THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	FROM (Metres Loc of Feature)	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S			FT							

FLAG N A M / S C L	Unit of Recov.	Unit of Length	RECOVERY	T MOD	Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	GAL MAT GM1	TEXTURES TX1 TX2	GRAIN Fe Cs %C IMP	FRACTURE COUNT 1 1 2	Im Tm	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	CL	YY	SUMMARY Fe Al	Mi
		F T . 2	%REC			ROCK			FOLIATION		S/F M/F						KF	LI	HE BI		MA AZ	BO	CP CC		

FLAG N A M / S C L	Unit of ROD	ROD	ACK Form n	ENV	RTQ	LC Colour	TM3	GM3	TX3 TX4	Sh Rn Sn %C	h Im R SJ	Im Tm	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL EP	ME	Hw Amt PR	MO	SL	Hw Amt	How1	How2
		%RQD									L/F						SI	GL	EP		TE PY	MT	MO			

A H F = Any Lone Flag or Flag = Composite MAX or MIN or 001 – 999; If Flag = 21-68 + SS No. (max 3) Flag = any no. 01-99 as wanted

RECOVERY | SS = Sample Serial No | SAMPLE NO. PNT | FROM | TO | SS # | From | SS # | To | SS # | From | SS # | To | SS # | From | SS # | To | SS # | HASH TOTAL

	FROM	TO	SAMPLE NO. PNT	RECOVERY
1	168	174		42
2	174	176		95
3	176	178		80
4	178	183		96
5	183	187		80
6	187	189		83
7	189	193		83
8	193	195.5		92
9	195.5	200		93
10	200	205		100
11	205	210		100
12	210	215		104
13	215	220		94
14	220	225		106
15	225	230		98
16	230	235		90
17	235	240		95
18	240	245		98
19	245	250		94
20	250	255		96
21	255	257.5		88
22	257.5	262		91
23	262	267		76
24	267	268		90
25	268	270		0
26	270	271		50
27	271	272.5		67
28	272.5	278		30
29	278	283		114
30	283	285		75
31	285	289.5		36
32	289.5	295		85
33	295	300		94
34	300	301.5		60
35	301.5	311		27
36	311	314.5		38
37	314.5	317		60
	317	320		63

Alpha S | 0 = Zero | 1 = One | 2 = Two | 7 = Seven | Ø = Alpha O | I or i = Alpha I | Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG D E N = 6 B 0 2 0 2; IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) = W1002; ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER = 1157-192; P R J = WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION; DRILLING BY = WILLIAMS CREEK; PAGE = 6 OF 11

Survey Data: TURN'G PT. DDD or Collar; FROM Master Loc. of Feature; TO; MT/FT = FT; TOTAL DEPTH/LENGTH; AZM Clockwise From True N; V-ANG Neg if Down; HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS; NORTHING Neg if South; EASTING Neg if West; ELEVATION Neg if Sub-Sea

Upper Tier Geodata: FLAG N A M / S C L; Unit of Recov. %REC; Unit of Length FT; RECOVERY; T mod; Min; ROCK TYPE; TYPIFYING MINS TM1 TM2; QAL MAT QM1; TEXTURES TX1 TX2; GRAIN Fr G TC MP; FRACTURE COUNT; Typ T1; STRUC1 ID; STRIKE AZM; DIP To Right; OZ; BI; ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY; SUMMARY

Lower Tier Geodata: FLAG N A M / S C L; M or F; Unit of R Q D %RQD; RQD; AGE Form'n; ENV; RTQ; LC Colour; TM3; QM2; TX3 TX4 St Rn Sh O/C; FOLIATION S/F M/F; Typ T2; STRUC2 ID; AZM; DIP To Right; KF; MU; CL; EP; HE; Hw Amt; PR; MO; SL; Hw Amt; %How2; %How2

GRAPHIC: A = Any Zone Flag or Flag = Composite, MAX or MIN or 001 – 999; H = Flag other than 21-68 = 1.5 m.; F = Flag other than 21-68 = any no. 01-99 as entered

RECOVERY: FROM | TO | %REC | SAMPLE NO. | INT. | SS = Sample Serial No.

FROM	TO	%REC
320	322.5	64
322.5	328	85
328	330	112
330	335	92
335	338.5	79
338.5	343.5	97
343.5	348.5	97
348.5	354	89
354	357	83
357	362	96
362	365	100
365	370	96
370	375	96
375	380	92
380	385	100

	FROM	TO	%RQD	
P	170	180	99%	2 C BROWNISH-WEATHERED H H TO 179.6 FT H; CORE VERY BROKEN VP; 2 C MA AT END OF SECTION 3.5 .7; 1.0
P	180	190	4%	
K	1844			SK-HE
K	1885			SK-HE
K	1898			SK-HE
P	1910	2010	22%	2 C 2.5 .7; .8
N	1933	200	X	1 AREAS WITH HB>BI MOD. HB CONTENT
H/W	1933			
K	1930			SK-HE
D	2010	210	8%	1 AREAS OF HB>BI .9 .6; MOD. HB CONTENT 0; 1 OF IN HB ≅ BI CONTENT

F/ 30; F/ 45; F/ 50; C/ 30; F/ 50

P+E-; F+; C; C); D+; P+B); C+; C/D-; C+; C-; D-

Alpha S 0 = Zero; 1 = One; 2 = Two; 7 = Seven; Ø = Alpha O; I or l = Alpha I; Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6802 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002

ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER: 1571-912

SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 7 OF 11

PRJ: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION | WILLIAMS CREEK

FROM | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov: FT | RECOVERY %REC | T_{MOD} | Mix | ROCK TYPE | TYPIFYING MINS TM1 TM2 | GALMAT QM1 | TEXTURES TX1 TX2 | GRAIN | FRACTURE COUNT | STRUC1 ID | STRIKE AZM | DIP | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | SUMMARY

Lower Tier Geodata: FLAG NAM SCL | Unit of RQD: %RQD | RQD | AGE Form n | ENV | RTQ | LC Colour | TM3 | QM3 | TX3 TX4 Sh Rw Sh IO/C | STRUC2 ID | AZM | DIP | KF MU CL EP HE | Hw Amt PR | MO SL Hw Amt

GRAPHIC: A FROM TO | RECOVERY | SAMPLE NO. | INT | FOLIATION S/F M/F | LIT

| | FROM | TO | SAMPLE NO. | INT | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	02	W1002			57-912													8	11
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

S	TURN C.P.T. 000 in Collar	FROM Metric Unit of Position	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

	FLAG	Unit of Recov	Unit of Length	RECOVERY	T_MOD	Mix	ROCK	TYPIFYING MINS TM1	TM2	QAL MAT QM1	TEXTURES TX1	TX2	GRAIN	FRACTURE COUNT 1	2	Im Typ	T1	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CT	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	Mi
/	NAM SCL		FT • 3	%REC			ROCK TYPE				FOLIATION			S/F M/F							KF	LI	HE	BI	CP	MA	AZ	BO	CP	CC			
L																																	

	FLAG	M or F	Unit of R Q D	ROD	ACE From n	ENV	RTQ	CC Colour	TM3	QM2	TX3	TX4	Sn	Rm	Sm	%C	Is	Im	Ik	J1	Im Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How1	How2
/	NAM SCL		%RQD														LIF									SI	CL	EP		TE	PY	MT	MO			
L																																				

A	Flag: 1 = Any Zone Flag or Flag = Composite, MAX or MIN or 001 – 999	RECOVERY	SS = Sample Serial No.	FROM	TO	SAMPLE NO.	INT.	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	HASH TOTAL
A								A1		A2		A3		A4		A5		A6		A7		A8

		FROM	TO	RECOVERY	SAMPLE NO.	INT.																														
/	P	2501	2601			1a								1,2 1.1		FL	45		C–	D*			C	C											
L				49%		1d								.3									C	C											
/	NI	2523	2591		9	1c														D*			C	C											
L																							C	C											
/	P	2601	2710			1a								H .84																						
L				12%		1d		BANDS OF COARSE HB						.4+									C*3		C	C			D.								
/	NI	2612	2632		X	1c		BROKEN UP																	C	C										
L																									D.										
K		2677	2679					GOUGE - FAULT																												
K	F/W	2681						CONTACT LOST								F/	60																			
/		2681	270					NO CORE																												
K		270		REDUCED TO NQ																																
/	P	270	2801			2d		WEATHERED						H H								2+														
L				0%										H										C											
/	PP	2701	2771			2d		STRONGLY WEATHERED - BROWN															2=														
L								STRONG HCL REACTION -																														
K		2711	2715					GOUGE - FAULT																												
K		2721	4					0.1 FT WIDE - MAY HAVE								F/	25																			
								BEEN WIDER. — SHEARED, CLAY - BROWN																														
/	P	2801	2901			2d		BROWNISH - WEATHER						H H								C*														
L				10%				WEATHERING						H											C										
/		2901	3101			2d		M.O.D. HCL REACTION						1.8 .7								2)		2*												
L				25%										.7											C										
K		2912	14					GOUGE - 0.2 FT.								F/	40																			
K	AP	2912	2919					WEATHERED FAULT ZONE														2+		2+												
K		2914	10					GOUGE - 10.02 FT								F/	55																			
K		2915	10					SIK								F/	15																			
K		2915	16					SIK - GOUGE								F/	30																			
/	NI	2915	2961		X	3		SHEARED																												
L																																				

1 = One, 2 = Two, 7 = Seven, Ø = Alpha O, I or l = Alpha I, 2 = Alpha Z, 5 = Alpha S, 0 = Zero

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG DEN 6 B 0 2 0 2 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER 157-92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 9 OF 11

PRJ: WESTERN COPPER HOLDINGS & THERMAL EXPLORATION — WILLIAMS CREEK

S: TURN G.P.T. 000 in Collar | FROM Meas'd Loc. of Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

L: FLAG NAM SCL | Unit of Recov. | Unit of Length FT.3 | RECOVERY | T MOD | ROCK TYPE %REC | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Cr Sc IMP | FRACTURE COUNT 1 2 | STRUC1 ID | STRIKE AZM | DIP To Right | OZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | SUMMARY

A: FLAG NAM SCL | M or F | Unit of R Q D %RQD | ROD | AGE Form n | ENV | RTG | LC Colour | TM3 | QM3 | TX3 | TX4 | Sa | Ba | Sn | O/C | Bi | Ba | Li | Fm Typ | T2 | STRUC2 ID | AZM | DIP To Right | KF | MU | CL | EP | HE | Hw Amt | PR | MO | SL | Hw Amt | How2 | How2

FROM TO | SAMPLE NO. INT. | RECOVERY | SS = Sample Serial No. | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | HASH TOTAL

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	02	W1002		157	-92													10	11
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	TURN GPT. DOD = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

Upper Tier Geodata	FLAG	Unit of Recov.	Unit of Length	RECOVERY	ROCK TYPE	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES										SUMMARY
	NAM													QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	
	SCL		FT • 2	%REC				FOLIATION		S/F M/F				KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

Lower Tier Geodata	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX1	TX2	SR	RN	SH	O/C	N	M	R	SI	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
	NAM																									
	SCL	Unit of RQD	%RQD													L/F										

GRAPHIC		FROM	TO	SAMPLE NO.	INT.																			
	/P	350	360		2c				.9	1.3														
	L			38%					.6															
	/N1	3500	3508	9	1f											3(			C-					
	L																							
	/N2	3531		9	1g	MOD. BI-IN A FEW BANDS.																		
	L																							
	/P	360	370		1g	MOD. BI-IN A FEW			1.8	1.1														
	L			64%		BANDS			.3							2(								
	/N1	360	3668	=	2c																			
	L																							
	/N2	3668	370	X	2c											F-						D-		
	L			50%																				
	K	3668									C/ 40													
	/P	370	380		2c				1.5	.1						C								
	L								.6													D.		
	K	3736	3738			CRUSHED ROCK IN FAULT					F/ 25													
						LARGE FAULT.																		
	/AP	3736				PINKISH										21		F.						
	L															F)						D.		
	K	3773				SK-HE					F/ 10													
	/P	380	385		2c	PINKISH			.8	0						2=								
	L			99%		FEW PORPHYRITIC			0															
						K-SPAR PHENOCRYSTS IN LAST 1.4 FT.																		
	/N1	380	3801	X	3						D/ 65													
	L																							
	F	3836				SK-HE					F/ 45													

END

Z = Alpha Z; 1 or i = Alpha 1; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation

Geolog System

SAMPLE FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2	0 2	W1002		157	-92				RC									1	1
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN G.PT. 000 = Collar	FROM Metres Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	RECOVERY	T_{MOD}	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fe	CF	%C	MP	FRACTURE COUNT 1	2	Tr	Tr	STRUC1 ID	STRIKE AZM	DIP To Right	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fe1	Ar	M2
N A M																																
S C L	Unit of Recov																															
Unit of Length	T = 2																															

FLAG	M or F	RQD	AGE Form n	ENV	RTQ	L.C. Colour	TM3	QM2	TX3	TX4	Sa	Rn	Sn	O/C	N	Ia	K	Tr	Tr	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hw2	Hw2
N A M																																		
S C L	Unit of RQD																																	

Any Zone Flag or Flag = COMpose, MAX or MIN or 001 - 999
If Flag = Flag or Flag = 01-21-68 = S.S. No. grouped
Flag = Flag or Flag = 01-99 as ordered

RECOVERY SS = Sample Serial No.

		FROM	TO	SAMPLE NO.	INT.
K	H/W	14	20	544585	6
		23.9	86.2	86	2.3
K	F/W	147.8	149.3	87	1.5
		149.3	154.2	88	4.9
A	SAM	154.2	156.1	89	1.9
		156.1	160	90	3.9
		180	190	91	10
		190	193.3	92	3.3
		193.3	200	93	6.7
		200	210	94	10
		210	220	95	10
		220	230	96	10
		230	240	97	10
		240	250	98	10
		250	260	99	10
		260	268	544600	8
		270	280	01	10
		280	290	02	10
		312	316	03	4
		330	335	04	5
		335	340	05	5
		340	347.2	06	7.2
		347.2	350	07	2.8
		350	360	08	10
		360	366.8	09	6.8
		366.8	380	544610	13.2

88' @ 10/5

Z = Alpha Z
I or I = Alpha I
Ø = Alpha O
7 = Seven
2 = Two
1 = One
0 = Zero
S = Alpha S

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Field	Entry
FLAG	DEN 6802 02
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	01-57-92
SIZE OF CORE OR HOLE	
GEOLOGGED YY MM DD BY	
ASST BY	
COMPLETED MM DD	
DRILLING BY	
STARTED YY MM DD	
COMPLETED MM DD	
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	
GRID AZIMUTH	
PAGE	1
OF	1
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION
	WILLIAMS CREEK
TURN'G PT. 000 = Collar	
FROM Marks Loc of Feature	
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	
AZM CLOCKWISE FROM TRUE N	
V-ANG NEG IF DOWN	
HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	
FLAG NAM / SCL	Unit of Recov. / Unit of Length T = 2
RECOVERY	
T_{MOD} % Mix	
ROCK	
TYPIFYING MINS TM1 TM2	
GALMAT QM1	
TEXTURES TX1 TX2	
GRAIN Fr Cr %C MP	
FRACTURE COUNT 1 2	
Ent Typ Ti	
STRUC1 ID	
STRIKE AZM	
DIP To Right	
ALTERATION & MINERALIZATION DEFAULT SUITES QZ BI CY CB MG XX PY CP GL YY	
SUMMARY FA AI MZ I	
FLAG NAM / SCL	Unit of RQD
RQD	
AGE Form n	
ENV	
RTQ	
LC Colour TM3 QM3	
TX3 TX4	
Sa Ra Sn O/C	
Is Im	
Ik Ki	
Ent Typ Ti	
STRUC2 ID	
AZM	
DIP To Right	
XF MU CL EP HE Hw Amt PR MO SL Hw Amt	
Hw Amt 1 Hw 2	
Hw Amt 1 Hw 2	

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 - 999
Flag = Geochemical 21-68 = SS No. ground
Flag = Rock, Geochemical 01-99 as defined

	FROM	TO	SAMPLE NO.	INT.
K H/W	20	30	544899	10
	30	40	900	10
K F/W	40	50	901	10
	70	80	02	10
A SAM	80	83.9	03	3.9
	86.2	90	04	3.8
	90	100	05	10
	140	147.8	06	7.8
	160	170	07	10
	170	180	08	10
	290	300	09	10
	300	312	10	12
	316	320	11	4
	320	330	12	10

S = Alpha S, 0 = Zero, 1 = One, 2 = Two, 7 = Seven, Ø = Alpha O, I or I = Alpha I, Z = Alpha Z

International Geosy[illegible]ms Corporation — Geol[illegible] System — M[illegible] FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Field	Value
FLAG	DEN / PRJ
FORMAT VERSION	6 8 0 2
SPEC	0 2
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	158-92
SIZE OF CORE OR HOLE	NQ
GEOLOGGED YY MM DD	
BY	MH
ASST BY	RC
COMPLETED MM DD	
DRILLING BY	CARON
STARTED YY MM DD	92 08 21
COMPLETED MM DD	08 24
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	GRID
GRID AZIMUTH	
PAGE	1
OF	17

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Field	Value
TURN G.PT. 000 = Collar	000
FROM Marks Loc of Feature	0.
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	515.7
AZM CLOCKWISE FROM TRUE N	247.
V-ANG NEG IF DOWN	-50.
HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	

Upper Tier Geodata: FLAG NAM / SCL; Unit of Recov. F T 2; Unit of Length F T 2; RECOVERY %REC; ROCK TYPE; TYPIFYING MINS TM1 TM2; QALMAT QM1; TEXTURES TX1 TX2; GRAIN Fe Cr %C MP; FOLIATION; FRACTURE COUNT 1 2; S/F M/F; STRUCT ID; STRIKE AZM; DIP To Right; ALTERATION & MINERALIZATION DEFAULT SUITES: QZ KF; BI LI; CY HE; CB BI; MG CA; XX MA; PY AZ; CP BO; CL CP; YY CC; SUMMARY Fa Ar Mz

Lower Tier Geodata: FLAG NAM / SCL; Unit of RQD %RQD; RQD; AGE Form n; ENV; RTQ; LC Colour; TM3; QM3; TX3 TX4; Se Rn Sn O/C; L/F; STRUCT ID; AZM; DIP To Right; KF SI; MU CL; CL EP; EP; HE; Hw Amt TE; PR PY; MO MT; SL MO; Hw Amt; Now; Now

GRAPHIC

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 = .999; If Flag = Flag or Flag = Flag = Max, Min or Mix, 01-99 as defined

Field	Value
FROM	505
TO	
RECOVERY	
SAMPLE NO.	
INT.	248
	-49

Field	Value
S	505
/P	0
	10
	CASING - NO CORE
/P	10
	20
L	21%
	2b
	.4 1.5
	.3
	C.
	F.
	D.
/N1	173
	178
L	
	3
	LOW K-SPAR CONTENT
	D/ 40
	D.
/P	20
	30
L	49%
	2b
	1.4 1.4
	.3
	F.
	D.
/N1	229
	233
L	X
	3
	D/ 45
/P	30
	40
L	38%
	2b
	1.1 1.3
	.3
	F.
	D.
/N1	318
	3205
L	X
	3
	D/ 45
/P	40
	50
L	62%
	2b
	1.5 .7
	.2
	F.
	D.
/N1	434
	435
L	X
	3
	D/ 15
/N2	453
	454
L	X
	3
	D/ 55
/P	50
	60
L	28%
	2b
	MAFIC SIZE AND CONTENT DECREASING
	1.2 1.4
	.6
	C-
	2(
	F-
K	534
	SK (WEAK) HE-EP-CA
	F/ 20
K	530
	SK-HE
	D.

International Geosystems Corporation — Geolo System — MA I FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata / GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2 0 2		W1002		1	58-912													2	17
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION																	WILLIAMS CREEK		

KEY	TURN'G PT. 000 = Collar	FROM Metres Last or Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S				FT												

KEY	FLAG	Unit of Recov.	Unit of Length	RECOVERY	T MOD	Mix	ROCK	TYPIFYING MINS TM1	TM2	QAL MAT QM1	TEXTURES TX1	TX2	GRAIN Fe	C	SC	MP	FRACTURE COUNT	1	2	Tm Typ	T1	STRUC 1 ID	STRIKE AZM	DIP To Right	QZ	BI
/	N A M			%REC			ROCK				FOLIATION						S/F	M/F						KF	LL
/	S C L		F T				TYPE																		
L	N A M			%RQD													LIF							KF	MU
L	S C L		F T																						

KEY	FROM	TO	RQD	AGE Form n	ENV	RTQ	LC Code	TM1	QM1	TX1	TX2	Sa	Ra	Sm	O/C	H	In	R	U	Tm Typ	T1	STRUC 2 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	SUMMARY Fa	An	Mz	I
A	SAMPLE NO.	INT.	RECOVERY																														

	FROM	TO	SAMPLE NO.	INT.																															
/N1	561.4	561.7		X	3	SHEARED APPEARANCE																													
L																																			
K	581.0					SK-HE-EP-CA											E/ 25														D-				
/P	601	701			2c	CHANGE FROM 26																			C-	C-		F-							
L			28%			STARTS ABOUT 591.8FT																				2C				D-				
K	650					SK-HE-EP-CA											E/ 20																		
K	662					CRUSHED ROCK - CA											E/ 60																		
K	664					SK-LT											E/ 20																		
/P	70	80			2c																					3-		F-			D-				
L			29%																							H-								
K	794					SK-HE-CA											F/ 15																		
/P	80	90			2c	20% HFS ENOUGH HB TO BE 26																			V-	C-	C-								
L			36%																							2-				D-				
/N1	803	8033		X	4	EP SELVAGES											N/ 30																		
L																																			
K	828					SK-HE											F/ 35																		
/N2	863	8645		X	3												D/ 35																		
L																																			
/P	90	100			2c																					2C		F-							
L			70%																							3-				D-				
K	950					SK-HE-CA											F/ 15																		
/N1	980	988		X	3												D/ 80																		
L																																			
/N2	9895	9805		X	3												D/ 45																		
L																																			
/N3	970	971		X	3																														
L																																			
/P	100	110			2c	GRADUAL INCREASE IN MAFICS FROM ABOUT 106.3FT.																				2D		F-								
L			65%																							H-				D-				
K	1039	10392				CRUSHED ROCK WITH																													

1 2 3 4 5 6 7

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
DEN	6 8 0 2	0 2	W1002	1	58	92													3	17
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN'G PT. 000=Collar	FROM Metrs Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F+T+TD+AZM+V-ANG+N+E+EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	Unit of Recov.	Unit of Length	RECOVERY	Tmod	% Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr % C MP	FRACTURE COUNT 1 2	Lm Typ	T1	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa Ar Mz
NAM																											
SCL		FT 2	%REC						FOLIATION		S/F M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

FLAG	Unit of RQD	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sa	Rn	Sn	O/C	N	Im	R	Si	Im Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
NAM																																			
SCL																																			
															L/F									SI	CL	EP			TE	PY	MT	MO			

	FROM	TO	SAMPLE NO.	INT.																															
K	1058					SK-HE																													
K	1063					SK-HE	SK ORIENTED																												
						PERPENDICULAR TO CORE AXIS AND HOLE - I.E. MOVEMENT STRIKE SLIP																													
						PARALLEL TO NO. 1 ZONE - NEAR VERTICAL DIP ON FAULT																													
/N1	1066	1067		X	3	ALSO CUT BY CA+HE																													
L						VEINLETS.																													
/AP	1047	1077																																	
L																											1+		F*						
/N2	1086	1089		X	2e	BIOTITIC GNEISS																													
L																																			
/P	110	120			2b	UNIT 2b STARTS																					1-		F-						
L			35%			ABOUT 109.7 FT.																					F.								
						BUT IS GRADUAL CONTACT OVER 3.5FT TO 109.7FT																											D.		
/N1	1101	1103		5	1f	XENOLITH - BIOTITIC																													
L																																			
K	1143					SK-HE CURVED																													
/P	120	130			2b																														
L			56%																										F.						
																																	D.		
/N1	1228	12295		3	3	SMALL FAULTED SLICE																													
L						OF PEGMATITE																													
K	1228					SK-HE																													
/N2	1228	1245		X	2c	BIOTITIC																													
L																													F-						
K	1240					SK-HE-CA																											D.		
/N3	1245	130		X	1g	TRACE GARNETS																													
L						MODERATE BI CONTENT																													
KC/	1245																																D.		
K	1250					SK-LI																													
K	1293					SK-HE																													
/P	130	140			1g	MODERATE BI																													
L			44%																																

International Geosystems Corporation Geolo System MA FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG D E N 6 8 0 2 0 2 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER 158-92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 4 | OF 17

I: P R J WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION | WILLIAMS CREEK | PROJECT SUB-PROJECT

S: TURN G.P. 000 = Collar | FROM Metric Unit of Measure | TO | MT/FT FIT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | HASH TOTAL = A÷T÷TD÷AZM÷V-ANG÷N÷E÷EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. | Unit of Length F T . 2 | RECOVERY | T mode | Min | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QAL MAT QM1 | TEXTURES TX1 TX2 | GRAIN IN CR %C IMP | FRACTURE COUNT 1 2 | Int Typ | T1 | STRUCT ID | STRIKE AZM | DIP To Right | ALTERATION & MINERALIZATION DEFAULT SUITES: QZ BI CY CB MG XX PY CP GL YY | SUMMARY FeL AL MZ

Lower Tier Geodata: FLAG N A M / S C L | M or F | Unit of RQD %RQD | RECOVERY | SS = Tomoko Sample No. | RQD | ACE Form | ENV | RTQ | LC Contour | TM3 | QM3 | TX3 | TX4 | St | Re | Sa | Oc | N | In | L | SJ | Int Typ | T2 | STRUCT ID | AZM | DIP To Right | KF | MU | CL | EP | HE | Hw Alt | PR | MO | SL | Hw Alt | How1 | How2

A: H F | if Flag = ROCK, any no. 21-48 = 15 mm. grains; if Flag = MINERAL, any no. 01-99 as desired | FROM | TO | SAMPLE NO. | INT. | To | SS # | From | SS # | To | SS # | From | SS # | To | SS # | From | SS # | To | SS # | HASH TOTAL

| | | |

International Geosystems Corporation — Geolog ystem — MA I FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2 0 2		W1002			158-192														
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION												WILLIAMS CREEK						5	17

KEY	TURN G.P. 000 = Collar	FROM Marks Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL # + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S				FT												

KEY	FLAG N A M / S C L	Unit of Recov.	Unit of Length	RECOVERY	T WOD	Tx Mix	ROCK TYPE	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fe	C	%C	MP	FRACTURE COUNT 1	2	In Typ	T1	STRUC1 ID	STRIKE AZM	In Typ	T2	STRUC2 ID	STRIKE AZM	DIP To Right	OZ	BI	CY	CB	MG	XX	PY	CP	CL	YY	SUMMARY Fx1	Ax	Mx1
/				%REC							FOLIATION						S/F	M/F										KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			
L			F T . 2																																					

KEY	FLAG N A M / S C L	M or F	Unit of R Q D	RQD	RECOVERY	ACE Form n	ENV	RTQ	LTC Colour	TM1	QM1	TX1	TX2	Sx	Rn	Sst	Oth	M	Int	K	Xl	In Typ	T3	STRUC3 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How1
/				%RQD																							SI	CL	EP			TE	PY	MT	MO			
L																			L/F																				

GRAPHIC — A H E F — 1 2 3 4 — 5 6 7 8 9 10 — 11 12 13 14 15 16 — 17 18 19 20 21 22 23 — 24 25 26 27 — 28 29 30 31 32 33 34 — 35 36 37 38 39 40 41 42 — 43 44 45 46 — 47 — 48 — 49 50 51 — 52 53 — 54 55 56 57 58 — 59 60 — 61 62 63 64 65 66 — 67 68 69 70 — 71 72 — 73 74 75 76 — 77 78 — 79 80

		FROM	TO	SAMPLE NO.	INT.																																			
/	NI	1632	1700		9																							2+2*		C(		D-							
L																																D.		D.				
K	C/	1632																																					
K		166	1673								SFND - FAULT?															C/	60													
/	P	170	180																																					
L					31%																									2*3*		C(		D+						
K		1753									SK-HE-LI																					D.								
/	P	1810	1890																																					
L					41%																									2(3*		C(		D+						
K		18425	1843								GOUGE																					D.								
K		1845	1846								GOUGE																														
/	NI	1846	1887		6	2	c																																	
L																																							
/	AP	1846	1887		4																																			
L																																							
/	N2	1867	190		X	1	e																																	
L																																							
/	P	190	200			1	e																																	
L					42%																									P+2)	F.	C(		D(	D)					
/	NI	190	200		+	1	f																																D.		
L																													2*2*		C+		D.	D(					
K		1993									SK-CA-ZEOLITE(?)																												D.		
/	P	200	210			1	f				MOD. HB OVER SHORT SECTIONS																	3-3-		C-		D)	D)					
L					66%																																		D.		
/	NI	200	2110		4	1	e																																	
L																																							
/	P	210	220			1	e				CP-BO MAINLY FIRST 1.6 FT - WITH MOD. BIT																	FL 610		2-2-		C*		D)	D)					
L					83%																																				
K		2106									SK																			2*2*		C(		D*	D(					

1 2 3 4 5 6 7 8 9 10 — 1 2 3 4 5 6 7 8 9 10

International Geosystems Corporation — Geolog System — M[illegible] FORM — Geoform

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
FLAG: DEN	FLAG:	FLAG: NAM / SCL	FLAG: NAM / SCL
FORMAT VERSION: 6 8 0 2 0 2	TURN G PT. 000 = Collar	FROM Marks Loc of Feature	M or F
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002	TO	RECOVERY	RQD
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER: 1158-92	MT/FT: FT	ROCK TYPE	ENV / RTQ
SIZE OF CORE OR HOLE	TOTAL DEPTH/LENGTH	TEXTURES TX1 TX2	L/F
GEOLOGGED YY MM DD BY	AZM CLOCKWISE FROM TRUE N	GRAIN	
ASST BY	V-ANG NEG IF DOWN	FRACTURE COUNT	
COMPLETED MM DD	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS		
DRILLING BY: WILLIAMS CREEK	NORTHING NEG IF SOUTH		
STARTED YY MM DD	EASTING NEG IF WEST		
COMPLETED MM DD	ELEVATION NEG IF SUB-SEA		
DRILLING TIME-HRS			
SURVEYED BY			
CO-ORD SYSTEM			
GRID AZIMUTH			
PAGE 6 OF 17			

PROJECT: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION

FROM	TO	SAMPLE NO.	INT.				
2116				SK	F/	30	
2116	2138		9	3	IRREGULAR CONTACTS.	C(/ C/	
21465	2147		X	5		D/	75
2157	21574		X	5		D/	65
2148	2169					C- D- / C(/ C/	
2169	220		X	2c		3(2* F. C(/ CP	D-
220	230	44%		2c	1.4 2.3 / 0	C- / C.P	D.
2229					SK-HE-TE	F/ 15 / C/ 50	
2259	2284		X	1f		C- D) / C- / C.P	D* D)
2284	2298		X	5	WITH 0.15FT BAND OF 3-IRREGULAR CONTACTS	D/ 15 / C(/ C/	
2298	230		X	1f		D) / C- / C.P	D* D)
230	240	62%		1f	1.5 .5 / .1	D(/ C. / C/	D) D+ / D*
2309	2318		X	2c	IRREGULAR CONTACTS	C/ 45 / C- / C. / C.P	
2400						C/ 40	
240	250	41%		2c	1.6 .8 / .4	C- / C/	
2407	2412		X	5	WITH 0.1 BAND OF 3	D/ / C- / C/	
2412	2438		X	1f		D) / C/	D. D. / D-
2438						C/ 40	

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data — I — KEY: D E N / P R J — FLAG: 6 B 0 2 0 2 — FORMAT VERSION: W1002 — SPEC — IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): WESTERN COPPER HOLDINGS : THERMAL EXPLORATION — ID of DRILLHOLE/TRAVERSE PRE-FIX: 1 — TYPE: 58 — NUMBER: 92 — SIZE OF CORE OR HOLE — GEOLOGGED YY MM DD BY — ASST BY — COMPLETED MM DD — DRILLING BY: WILLIAMS CREEK — STARTED YY MM DD — COMPLETED MM DD — DRILLING TIME-HRS — SURVEYED BY — CO-ORD SYSTEM — GRID AZIMUTH — PAGE 7 OF 7

Survey Data — S — TURN G.PT. 000 = Collar — FROM Metric Loc of Feature — TO — MT/FT: FT — TOTAL DEPTH/LENGTH — AZM — CLOCKWISE FROM TRUE N — V-ANG NEG IF DOWN — HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS — NORTHING NEG IF SOUTH — EASTING NEG IF WEST — ELEVATION NEG IF SUB-SEA

Upper Tier Geodata — FLAG: N A M / S C L — Unit of Recov. — Unit of Length: F — RECOVERY: %REC — T MOD — MIN — ROCK TYPE — TYPIFYING MINS TM1 TM2 — QAL MAT QM1 — TEXTURES TX1 TX2 TX3 — GRAIN Fr C/F C MP — FRACTURE COUNT — STRUC 1 ID — STRIKE AZM — DIP — ALTERATION & MINERALIZATION DEFAULT SUITES — SUMMARY

Lower Tier Geodata — FLAG: N A M / S C L — M or F — Unit of RQD — RQD: %RQD — ACE Form — ENV — RTQ — CC Colour — TM3 — QM2 — TX3 TX4 — Sx Rx Sm — C/C — FRACTURE COUNT — STRUC 2 ID — STRIKE AZM — DIP — ALTERATION & MINERALIZATION DEFAULT SUITES

GRAPHIC — A — Any Zone Flag or Flag = C (Composite, MAS or MAN or 001 – 999) — If Flag = Blank or 21-48 or 55 No. or Flag = Blank or any no. 01-99 as comm — FROM — TO — RECOVERY — SS = Sample Serial No. — SAMPLE NO. — INT. — SS # — HASH TOTAL

FROM	TO	SAMPLE NO.	INT.	SS #	Geology / Remarks	Alteration / Mineralization
N3	246.0	248.5	X	5		C/ 5.0; C/ 4.0
K	246.0					C—; C/ D.
K	248.5					
P	250	260		2c	35%	1.1 1.9; .4
L						3. C/
N1	255.5	250.17	X	4		V/ 4.0
L						
P	260	270		2c	37%	1.6 2.2; .3 — C. F. C—; 3. C/ D.
L						
N1	262.5	262.5	X	3		D/ 4.0
K	266.4					C—; C/
M2	267.7	268.4	X	3	SK-HE-CA-MA-TE CONTACTS IRREGULAR	F/ 2.0; D/ 5.0
L						
P	270	280		2c	A FEW MAFIC-BI-IXENOLITHS — 38%	2.1 2.0; 1.2 — F C F. C—; C/
K	274.3				SK-HE-MA-CA	E/ 1.5
K	275.3				SK-HE-MOVEMENT STRIKE-SLIP	E/ 5.0
K	276.4				SK-HE-MA ALL STRIKE-	E/ 4.5
K	278.0				SK-HE-MA SLIP	E/ 4.0
					SK-HE-MA MOVEMENT	E/ 5.0
P	280	290		2c	39%	2.4 1.9; .6 — F— F. C; C/
N1	283.7	284.5	X	1f		3C D✱ C✱ D+D✱; C/
X	284.5				0.03FT SHEAR	SH 4.0
AP	285.5	286.7	X		SHEARED APPEARANCE -45° TO 50° TO C.A.	3✱ D✱ C/; C/

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG DEN 6 B 0 2 0 2 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID or DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 1158-912 | PAGE 8/17

PRJ: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION | WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM Metric Loc. of Feature | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA | GRID AZIMUTH

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length — F T · 2 | RECOVERY | Tmod | Mix | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cr %C MP | FRACTURE COUNT 1 2 | Im Tm | T1 | STRUC1 ID | STRIKE AZM | DIP To Right | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | SUMMARY

Lower Tier Geodata: FLAG NAM SCL | M or F | Unit of R Q D — %RQD | RQD | ACE Form | ENV | RTO | LC Colour | TM2 | QM2 | TX3 TX4 St Rn Sx Oxc | Ig Mg A SI | Im Tm | T2 | STRUC2 ID | AZM | DIP To Right | XF | MU | CL EP HE | MO SL Hw Amt PR | Hcm2 Hcm2

GRAPHIC | A M F H

Any Zone Flag or Hex = COMposite, MAX or MIN or 001 – 999 | If Flag = ENV then 21=68 = SS no. prefix | Hex = Any no. 01-99 as am TO | SAMPLE NO. | INT. | RECOVERY | SS = Sample Serial No. | From SS# | To SS# | HASH TOTAL

FROM	TO		INT	
2881	2884	X	1	F
2884	2910	X	26	QUITE LOW MAFIC CONTENT HARDER — MAY BE "THE DYKE".
2910	3005	42%	2C	LOW MAFIC CONTENT 2.3 2.9 — "THE DYKE ?" .12
2915				SK-HE F/ 25
2917				SK-HE F/ 25
3005	3110	11%	2C	LOW MAFIC CONTENT 2.5.9 .13
3011	3012	X	3	D/ 45
3015	3			SK-HE-TE- F/ 10
3065	3073	X	1	F
3096	3098	X	1	F
3110	3205	16%	2C	LOW MAFIC CONTENT 13.5 VERY RARE MA .3
3205	3310	37%	2C	LOW MAFIC CONTENT 1.7 1.5 VERY RARE MA .5
3305	3405	65%	2C	FROM ABOUT 330 FT .8 .3 GRADUAL INCREASE .6 IN BROWNISH GREEN ALTERATION — CARBONATE — SERICITE
3316				SK-LI F/ 20
3330				SK-LI F/ 10
3333	3405			HCL REACTION STRONG PERVASIVE CARBONATE ALTERATION — SERICITE 2% TO 5% — SOFTISH — FAULT RELATED

International Geosystems Corporation — Geolog[illegible]stem — MAI[illegible]FORM — Geoform

INTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNHOUSE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-MAS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002			1578-192														
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN'G PT. 000 in Collar	FROM Metres Look at Tail Mark	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	MASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							
S											

KEY	FLAG	Unit of Recov.	Unit of Length	RECOVERY	T_{MOD}	T_{MIX}	ROCK TYPE	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN	FRACTURE COUNT	STRUC ID	STRIKE AZM	DIP	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	XX	PY	CP	GL	YY	SUMMARY
/	N A M										FOLIATION			S/F M/F				KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	
/	S C L		F T . I	%REC																								
L	N A M	Unit of ROD		RQD	ACK Berm n	ENV	RTO	Colour	TM1	QM1	TX1	TX2	Sn	Bn	Sh	Occ	N	Int	h	Ti	STRUC2 ID	AZM	DIP	KF	MU	CL	EP	HE	How Alter	PR	MO	SL	How Alter	How? 1	How? 2
L	S C L			%RQD													L/F								ST	CL	EP							
A				RECOVERY	SS = Sample Sorted Ins.																									
M		FROM	TO	SAMPLE NO.	INT.																									
F		Any 3 Lower Flags or Flags = Comments, MAS or MAH or DOT = 999																												
		Flag value from 01-99 as entered																												

| | | FROM | TO | RECOVERY | SAMPLE NO. | INT. | | | | | | | | | | | | | | | | | | |

International Geosyste Corporation — Geolog -, stem — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG D E N = 6 8 0 2 0 2 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) = W1002 | ID of DRILLHOLE/TRAVERSE PRE-FLE | TYPE | NUMBER = 1 1 58 - 912 | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY = WILLIAMS CREEK | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE = 10 | OF = 17

I: P R J = WESTERN COPPER HOLDINGS : THERMAL EXPLORATION

S: TURNG PT. 000 = Collar | FROM = Metres Left of Preform | TO | MT/FT = FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | MASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. | Unit of Length = F T = 3 | RECOVERY | T MOD | MAT'L | ROCK = ROCK | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN A1 C1 C2 MP | FRACTURE COUNT 1 2 | TM Typ | T1 | STRUC1 ID | STRUC1 AZM | DIP to Right | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | SUMMARY FA1 AN MS1

Lower Tier Geodata: FLAG N A M / S C L | M or F | Unit of RQD = % | RQD | ACL Form a | ENV | RTQ | CC Colour | TM3 | QM2 | TX3 TX4 Sa Ba Sx Oc | K Ix R S1 | TM Typ | T2 | STRUC2 ID | STRUC2 AZM | DIP to Right | KF | MU | CL | EP | HE | Hw Alt'n | PR | MO | SL | Hw Alt'n | MOM2 | MOM3

GRAPHIC: A H F = FROM | TO | RECOVERY | SAMPLE NO. | INT | SS = Sample Serial No. | A1 From To | A2 From To | A3 From To | A4 From To | A5 From To | A6 From To | A7 From To | A8 From To | MASH TOTAL

| | | |

International Geosyste. Corporation — Geolog[illegible]tem — MAIN FORM — Geoform

ENTER KEYS in COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata / GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNMOUNT)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2	0 2	W1002			1581912						WILLIAMS CREEK							1	17
I	P R J	WESTERN COPPER HOLDINGS : THERMAL EXPLORATION																			

S	TURN'G PT. 000 = Collar	FROM Meters Last at Previous	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							

FLAG N A M / S C L	Unit of Recov.	Unit of Length FIT	RECOVERY	T mob	% Mrkr	ROCK TYPE	TYPIFYING MINS TM1	TM2	OAL/MAT OM1	TEXTURES TX1	TX2	GRAIN Fi	O	%C	MP	FRACTURE COUNT 1	2	Int Dim	T1	STRUC ID	STRIKE AZM	DIP to nearest	CZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	SUMMARY Fe1 Al	Mn1
		FT 12	%REC							FOLIATION						SIF	MFH						KF	LL	HE	BI	CP	MA	AZ		

FLAG N A M / S C L	Unit of ROD	%ROD	ROD	Age Form'n	ENV	RTQ	Lith Colour	TM1	OM1	TX1	TX2	Sr	Rn	Sph	Occ	U	Im	R	VJ	Int Dim	T2	STRUC ID	AZM	DIP to nearest	KF	MU	CL	EP	HE	Mn Amt	PR	MO	SL	Mn Amt	Mn2	Mn3
		%ROD														LIF									ST	CL	EP		TE	PY	MT	MO			

A H F	= FROM = TO	RECOVERY	SAMPLE NO.	PNT	From	To	From	To	From	To	From	To	HASH TOTAL
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80				A1	A2	A3	A4	A5	A6	A7	A8	A9

| | | | | | | | | | | | | | | | | | | |

International Geosyst[illegible]s Corporation — Geolog[illegible]stem — MA[illegible] FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata / GRAPHIC

I: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK — PAGE 1 OF 17

S: FROM / TO — MT/FT — TOTAL DEPTH/LENGTH — AZM (CLOCKWISE FROM TRUE N) — V-ANG (NEG IF DOWN) — NASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL (NOT INCLUDING ANY BLANK FIELDS) — NORTHING (NEG IF SOUTH) — EASTING (NEG IF WEST) — ELEVATION (NEG IF SUB-SEA)

FT

A: FROM / TO — SAMPLE NO. — %INT.

	FROM	TO	SAMPLE NO.	%INT.	
K	4412	8			SK-HE
K	4413	7			SK-HE
K	4414	0			SK-HE
/N2	4466	4484			1a XENOLITHS-MOD BI CONTENT
L					1a
/P	4510	4610			2c
L				21%	
K	4578				SK-HE-EP+IRREGULAR
K	4590				SK-HE
K	4597				SK-HE (WEAK)-EP (WEAK)
/P	4610	4710			2c 2 SMALL XENOLITHS
L				28%	
K	4618				SK-HE-S
K	4680				SK-WE
/P	4701	4801			2b
L				27%	
K CV	4717				IRREGULAR
/N1	4717	4780	X		1a SPOTTY MOD BI.
L					1a
/N2	4818	4901	X		2b
L					
/P	4810	4901			2b MA ASSOCIATED WITH 1g XENOLITH
L				8%	
/N1	4844	4873	X		1a
L					1a
K CV	4873				
/N2	4873	4875	X		3
L					

| | | | | |

International Geosyste s Corporation Geolog stem MAI.. FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I KEY | FLAG D E N | FORMAT VERSION 6 B 0 2 0 2 | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER 158 -92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY WILLIAMS CREEK | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 13 OF 17

I P R J WESTERN COPPER HOLDINGS : THERMAL EXPLORATION

S TURN'G PT. 000 = Collar | FROM Metres Loc of Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov: FT • 2 | Unit of Length | RECOVERY T MOD % LIMIT | ROCK TYPE %REC | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fr C I C MP | FRACTURE COUNT 1 1 2 | Int Typ T1 | STRUC 1 ID | STRIKE AZM | Int Typ T2 | DIP To Right | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP CL YY | SUMMARY Fe Al Mg

FOLIATION S/F M/F | KF CL HE BI CB MA AZ BO CP CC

Lower Tier Geodata: FLAG N A M / S C L | Unit of R Q D | %RQD | ACE Form n | ENV | RTQ | Colour | TM1 | QM1 | TX1 | TX2 | St | Int | Sh | Oc | Fr | Int | T2 | STRUC 2 ID | A Z M | Int Typ T2 | DIP To Right | KF | MU | CL | EP | HE | Hw Alt'n | PR | MO | SL | Hw Alt'n | Hcon1 | Hcon2

LITHOLOGY

SI CL EP TE PY MT MO

GRAPHIC: A M F | Any 3 same Flag or Flag = Commander, MAX or MIN or 001 – 399 | n Place 21-66 = 5 ins. each | Flag when 001–99 as n/a | FROM | TO | RECOVERY | SAMPLE NO. | INT. | To SS # | From SS # | To SS # | From SS # | To SS # | From SS # | To SS # | From SS # | HASH TOTAL

| | | |

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	02	W1002		158	-92													14	17
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN'G PT. 000=Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	RECOVERY	T_{MOD} % Mix	ROCK	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C MP	FRACTURE COUNT 1 2	Tm Typ	Tr	STRUC 1 ID	STRIKE AZM	DIP To Right	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY	SUMMARY Fa Ar Mz
NAM																	
SCL																	

FLAG	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sn	Rn	Sn	O/C	H	Lu	R	Ti	Tm Typ	Tr	STRUC 2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hw 1	Hw 2
NAM																																		
SCL																																		

Unit of Recov. — Unit of Length — Unit of RQD — M or F

Any Zone Flag or Flag = COMPOSITE, MAX or MIN or 001 = .999 — If Flag = 01-21-68 = SS No. grouped — Flag = 01-99 as defined

		FROM	TO	SAMPLE NO.	INT.
K	H/W	120	124.5	544611	45
		124.5	130	612	55
K	F/W	130	140	613	10
		140	150	614	10
A	SAM	150	160	615	10
		160	170	616	10
		170	180	617	10
		180	190	618	10
		190	200	619	10
		200	210	620	10
		210	216.9	621	6.9
		216.9	220	622	3.1
		220	225.9	623	5.9
		225.9	230	624	4.1
		230	240	625	10
		240	243.8	626	3.8
		243.8	250	627	6.2
		250	260	628	10
		260	270	629	10
		270	280	630	10
		280	283.7	631	3.7
		283.7	284.5	632	0.8
		284.5	290	633	5.5
		290	300	634	10
		300	310	635	10
		350	360	636	10
		360	370	637	10
		432.1	438	638	5.9
		471.7	478	639	6.3
		478	484.4	640	6.4
		484.4	487.3	641	2.9
		487.3	493.3	642	6
		493.3	497.3	643	4
		497.3	506.9	644	9.6
		506.9	510.3	544645	3.4

International Geosystems Corporation — Geolog System — MAI' FORM — Geoform

ENTER KEYS in COL. 1 TO ACTIVATE ENTRIES

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

I/S/A/L	KEY	FLAG	FORMAT VERSION	SPEC	ENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I		D E N	6 B 0 2	0 2	W1002		1	58-192																			1	17
I		P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION														WILLIAMS CREEK												
S		TURN C PT. DOG m CARlw	FROM Meters Last or No Name		TO	MT/FT	TOTAL DEPTH/LENGTH		AZM CLOCKWISE FROM TRUE N		V-ANG NEG IF DOWN		MASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS		NORTHING NEG IF SOUTH		EASTING NEG IF WEST		ELEVATION NEG IF SUB-SEA								
						FT																						
		FLAG N A M / S C L	Unit of Recov. / Unit of Length FT • 2			RECOVERY T_mod Min	%REC		ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1		TEXTURES TX1 TX2		GRAIN G1 G2 CIMP		FRACTURE COUNT 1 2			STRUCT ID	STRIKE AZM		DIP To Right	QZ	ALTERATION & MINERALIZATION DEFAULT SUITES BI CY CB MG XX PY CP CL YY			SUMMARY Pct Al Mi		
		FLAG N A M / S C L	M or F / Unit of RQD			%RQD	ACE Formation		ENV	RTO	TC Colour TM1 TM2	QM1		FOLIATION TX1 TX2		Sk Rn Sh	ID/C	S/F M/F			STRUC2 ID	AZM		DIP To Right	KF	MU CL EP HE HM AMT PR MO SL HM AMT					
																	LIF							ST	CL EP		TE PY	MT MO				
GRAPHIC	A / H / F	1 2 3 4	5 6 7 8 9 10	11 12 13 14 15 16	17 18 19 20 21 22 23	24 25 26 27	28 29 30 31 32 33 34	35 36 37 38 39 40 41 42	43 44 45 46	47	48	49 50 51 52 53	54 55 56 57 58	59 60	61 62 63 64	65 66	67 68 69 70	71 72 73 74 75 76	77 78	79 80										
		Any Long Flag or Flag = COMPOSITE, MAX or MIN of 001 – 999																												
		If Flag = FROM, Col 21-68 = SS No. etc.		TO		RECOVERY SS # Sample format no.																								
		Flag where Last one no. 01-99 is an int'l.				SAMPLE NO.	%NT																							

| | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAI'' FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FORMAT VERSION 6 B 0 2 0 2 | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER 1581-92

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK — PAGE 16 OF 17

Survey Data: TURN C.P. 000 = Collar | FROM Metres Last at Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. | Unit of Length F T 1 2 | RECOVERY %REC | T MOD | MTX | ROCK TYPE | ROCK | TYPIFYING MINS TM1 TM2 | GALMAT OM1

Lower Tier Geodata: FLAG N A M / S C L | M or F | Unit of ROD %RQD | ROD %RQD | AGE Form n | ENV | RTO | LC Colour | TM1 | OM2 | TEXTURES TX1 TX2 | GRAIN Fr Cr TC IMP | FOLIATION | FRACTURE COUNT 1 2 | STRUC 1 ID | STRIKE A2M | STRUC 2 ID | STRIKE A2M | DIP Tangent | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP SL YY | SUMMARY Fe1 Al Mg1

GRAPHIC

Any Data Flag or Flag = COMMENTS MAX or MIN or 001 = 999 | If Flag = F1 = 1 = Fm. cm. | Flag = F = Core no. 01-99 as per Log

RECOVERY 55 = Sample Serial no.

FROM	TO	SAMPLE NO.	%INT	RECOVERY	ROD	FOLIATION	FRACTURE	STRUC 1	STRUC 2	ALTERATION & MINERALIZATION DEFAULT SUITES	HASH TOTAL
						S/F M/F	L/F			KF LL HE BI MA AZ BO CP CC	
1190	1905		50								
1905	1915		100								
1915	2010		100								
2010	2105		98								
2105	2110		97								
2110	2115		102								
2115	2210		100								
2210	2215		97								
2215	2285		100								
2285	2335		98								
2335	2385		104								
2385	2435		98								
2435	2485		96								
2485	2510		108								
2510	2555		102								
2555	2600		96								
2600	2645		94								
2645	2695		106								
2695	2745		102								
2745	2795		102								
2795	2850		94								
2850	2910		100								
2910	2955		102								
2955	3000		104								
3010	3055		100								
3055	3095		98								
3095	3125		101								
3125	3170		96								
3170	3210		100								
3210	3255		98								
3255	3295		96								
3295	3345		100								
3345	3395		98								
3395	3445		102								
3445	3495		99								
3495	3535		85								
3535	3565		100								
3565	3610		98								

0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O 1 or I = Alpha I 2 = Alpha Z = Alpha S

81-110

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002		1	581-912														
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN C.P.T. 000 = Collar	FROM Metric Log at top of sample	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

FLAG N A M / S C L	Unit of Recov.	Unit of Length F T ÷ 2	RECOVERY T MOD 1 MIN	ROCK TYPE	TYPIFYING MINS TMI	TAU	OALMAT OMI	TEXTURES TX1 TX2	GRAIN Fe C Ti Sc IMP	FRACTURE COUNT 1 1 2	Int Typ	T1	STRUC ID	STRIKE AZM	Int Typ	DIP To Horiz	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP CL YY	SUMMARY Pri Al Mel
			%REC					FOLIATION		S/F M/F							KF	LI	HE BI MA AZ BO CP CC	

FLAG N A M / S C L	M or F	Unit of RQD	%RQD	RQD	ACE Form n	ENV	RTQ	TC Colour	TMI	OMI	TX1	TX2	St	Rx	Su	O/C	B	Int	K	SI	Int Typ	T2	STRUC ID	AZM	Int Typ	DIP To Horiz	KF	MU	CL	EP	HF	Hw Alt	PR	MO	SL	Hw Alt	Hcom1	Hcom2
																	LF										ST	CL	EP			TE	PY	MT	MO		

A	Auto Zone Flag or Hole = COMposite, MAX or MIN or 001 – 999	If Hole F = 21-48 = 55 mc, etc.	Hole or Zone No. any no. 01-99 or as req'd	RECOVERY 55 = Summary Sampling	FROM	TO	SAMPLE NO.	INT	RECOVERY	RQD
					3160	3165		10	10	
					3165	3170		9	8	
					3170	3172		7	9	
					3172	3176		5	0	
					3176	3810		9	8	
					3810	3815		10	12	
					3815	3910		10	10	
					3910	3915		10	10	
					3915	4010		10	12	
					4010	4015		9	7	
					4015	4095		10	00	
					4095	412		8	0	
					412	4115		9	3	
					4115	4120		9	8	
					4120	4125		9	4	
					4125	4285		9	8	
					4285	4335		10	0	
					4335	439		9	1	
					439	444		9	9	
					444	4490		10	0	
					4490	4549		10	2	
					4549	4594		10	4	
					4594	4635		9	6	
					4635	4685		9	8	
					4685	473		10	0	
					473	4778		9	4	
					4778	4813		10	0	
					4813	48195		8	1	
					48195	4910		9	7	
					4910	4911		10	0	
					4911	4913		10	0	
					4913	4918		9	2	
					4918	5012		9	8	
					5012	5017		9	9	
					5017	511		10	0	
					511	51555		9	8	
					51555	51587		15	0	

1 = One 2 = Two 7 = Seven Ø = Alpha O 1 or I = Alpha I Z = Alpha Z 0 = Zero S = Alpha S

91-130

International Geosystems Corporation

Geolo~ System

SAM E FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	DEN	6B02	02	W1002		158	-92													14	17
	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	TURN G PT 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
				FT							

Upper Tier Geodata	FLAG	RECOVERY	ROCK	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
	NAM / SCL	Unit of Recov. / Unit of Length											

Lower Tier Geodata	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	Colour	TM3	QM3	TX1	TX4	SR	RN	SH	O/C	H	M	K	SI	TH	T2	STRUC ID	AZM	DIP	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How	How
	NAM / SCL	Unit of RQD																																		

GRAPHIC

Any Zone Flag or Flag = COMPOSITE, MAX or MIN or 001 - 999

If Flag = 01-21-68 = SS No. group

Flag = 01-99 = Ass Zone no. 01-99 as defined

		FROM	TO	SAMPLE NO.	INT.			
K	H/W	120	124.5	544611	45			
		124.5	130	612	55			
K	F/W	130	140	613	10			
		140	150	614	10			
A	SAM	150	160	615	10			
		160	170	616	10			
		170	180	617	10			
		180	190	618	10			
		190	200	619	10			
		200	210	620	10			
		210	216.9	621	6.9		83.8 @ 1.63	
		216.9	220	622	3.1			
		220	225.9	623	5.9			
		225.9	230	624	4.1			130 @ 1.30
		230	240	625	10			
		240	243.8	626	3.8			
		243.8	250	627	6.2			
		250	260	628	10			150 @ 1.15
		260	270	629	10			
		270	280	630	10			
		280	283.7	631	3.7		46.2 @ 0.70	
		283.7	284.5	632	0.8			
		284.5	290	633	5.5			
		290	300	634	10			
		300	310	635	10			
		350	360	636	10			
		360	370	637	10			
		432.1	438	638	5.9			
		471.7	478	639	6.3			
		478	484.4	640	6.4			
		484.4	487.3	641	2.9		45.1 @ .54	
		487.3	493.3	642	6			
		493.3	497.3	643	4			
		497.3	506.9	644	9.6			
		506.9	510.3	544645	3.4			

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	W05-92 HQ
GEOLOGGED BY	MH
DRILLING BY	CARON
STARTED YY MM DD	92 08 15
COMPLETED MM DD	
CO-ORD SYSTEM	GRID
PAGE / OF	1 / 10
WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION	WILLIAMS CREEK
TURN @ PT. 000 = Collar	000
FROM / TO	10
MT/FT	FT
TOTAL DEPTH/LENGTH	320.
AZM CLOCKWISE FROM TRUE N	247.
V-ANG NEG IF DOWN	-50.
NORTHING / EASTING / ELEVATION	

FROM	TO	RECOVERY	ROCK TYPE	FOLIATION	FRACTURE COUNT	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
		%REC	ROCK TYPE	FOLIATION	S/F M/F	KF LI HE BI CR MA AZ BO CP CC	
		%RQD		L/F		ST CL EP TE PY MT MO	
FROM	TO	SAMPLE NO.	INT.				
305			250	-51			
0	16	CASING					
0	113	NO CORE					
115	118	97					
118	212	79					
212	217	102					
217	310	95					
310	312	90					
312	317	105					
317	410	100					
410	415	99					
415	419	81					
419	514	101 0					
514	519	98					
519	614	103					
113	220	22%	2d	PORPHYRITIC K-SPAR 5%	1.6, .3	HH E	D
220	310	27%	2d	CHLORITIZATION DECREASES DOWN SECTION	2.6, .1	H+	D
2123	2145		GOUGE	SK			
310	440	144%	2d		1.8, .2	F/ 55 P/ H)	D
3355	3371	X	3			D/ 60	D
410	510	53%	2d		1.0, .5	C— H—	D
470	490			SK		F/ 10	D
500	600	35%	2d	GRADUAL DECREASE IN K-SPAR CONTENT AND SIZE — CHANGE OVER	1.8, .2	H ABOUT 552.0 FT.	D

Z = Alpha Z | Y or 1 = Alpha I | Ø = Alpha O | 7 = Seven | 2 = Two | 1 = One | 0 = Zero | S = Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

FLAG	DEN
FORMAT VERSION	6 B 0 2 0 2
SPEC	
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	405-92
SIZE OF CORE OR HOLE	
GEOLOGGED YY MM DD / BY	
ASST BY	
COMPLETED MM DD	
DRILLING BY	
STARTED YY MM DD	
COMPLETED MM DD	
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	
GRID AZIMUTH	
PAGE / OF	2 / 10
PROJECT	PRJ: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION
SUB-PROJECT	WILLIAMS CREEK
TURN'G PT. 000 = Collar	
FROM Metres Less or Positive	
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	
AZM CLOCKWISE FROM TRUE N	
V-ANG NEG IF DOWN	
HASH TOTAL = F + T + TD + AZM + V-ANG − N ÷ E ÷ EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	
Upper Tier Geodata: FLAG N A M / S C L	
Unit of Recov.	
Unit of Length	F T • 3
RECOVERY	%REC
T_{MOD} / MI3	
ROCK TYPE	ROCK
TYPIFYING MINS TM_1 / TM_2	
QALMAT QM_1	
TEXTURES TX_1 / TX_2	FOLIATION
GRAIN Fr / Cr / %C / MP	
FRACTURE COUNT 1 / 2	S/F M/F
1_{TH} / T_1	
STRUC1 ID	
STRIKE AZM	
DIP To Right	
QZ	KF
BI	LI
ALTERATION & MINERALIZATION DEFAULT SUITES: CY	HE
CB	BI
MC	CH
XX	MA
PY	AZ
CP	BO
GL	CP
YY	CC
SUMMARY Fa / Au / MZ_1 / MZ_2	
Lower Tier Geodata: FLAG N A M / S C L	
M or F	
Unit of R Q D	%ROD
ROD	
ACE Form II	
ENV	
RTQ	
LC Colour	
TM_2	
QM_2	
TX_2	
Sa / Ra / Sh / O/C	
T_2	
STRUC2 ID	
AZM	
DIP To Right	
KF	SI
MU	CC
CL	EP
EP	
HE	
Hw Azm	TE
PR	PY
MD	MT
SL	MO
Hw Azm	
How_2	
How_1	
Any Zero Flag or Flag = Composite, MAX or MIN or 001 – 999	
Flag without Flag, any no. 01-99 as wanted	
FROM 21-68 = 15 no.	TO
RECOVERY	SAMPLE NO. INT.
SS# From / To	
A1 / A2 / A3 / A4 / A5 / A6 / A7 / A8 / A9	
HASH TOTAL	

FROM	TO	SAMPLE NO.	INT.	RECOVERY	Geology / Alteration / Mineralization	Structure / Strike / Dip	Fracture / Alteration / Mineralization
N1	52	60	X	2b	SOME BI		F• H− D•
N2	546	549	X	B		D/ 50	
K	545				SK-HE		
N3	581	582	X	3		F/ 45 D/ 65	F/
P	60	70		2b	A FEW WHITE PORPHYRITIC FELDSPARS	1.5 .3 .2	
N1	613	615	X	3		D/ 35	H• D•
	64	69	1 1 0				
	69	745	9 3				
	745	810	1 0 8				
	810	815	9 8				
	815	910	9 9				
	910	915	9 7				
	915	1000	9 0				
	1000	1005	1 0 0				
	1005	1110	9 7				
N2	679	690	X	3		D/ 30	
K	662					F/ 40	D•
P	70	80		2b	A FEW PORPHYRITIC WHITE FELDSPARS	.7 .1 1.3	CY
N1	733	750	X	3		D/ 45	F− F• D•
K	740				SK-HE		F• F• D•
K	749				SK-HE	F/ 50	F/
K	754				SK-HE	E/ 50	C/
						F/ 45	F/
P	80	90		2b	A FEW PORPHYRITIC WHITE FELDSPARS	1.1 .1 .6	F• F• D•

Geology: 1 = Alpha I, 2 = Alpha O, 3 = Alpha S, 4 = Alpha Z, 5 = Alpha A, 6 = Alpha E, 7 = Alpha U
Alteration & Mineralization: 0 = Zero, 1 = One, 2 = Two, 3 = Three, 4 = Four, 5 = Five, 6 = Six, 7 = Seven

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FORMAT VERSION 6 B 0 2 0 2 | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER 4 0 5 - 9 2 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 3 | OF 10

WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM Metres Bac of Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM Clockwise from True N | V-ANG Neg if Down | HASH TOTAL of F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING Neg if South | EASTING Neg if West | ELEVATION Neg if Sub-Sea

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. | Unit of Length F T . 2 | RECOVERY | T WOD | % MIN | ROCK TYPE %REC | TYPIFYING MINS TM1 TM2 | QAL MAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg C/%C MAP | FRACTURE COUNT 1 2 | Int Typ | T1 | STRUC1 ID FOLIATION S/F M/F | STRIKE AZM | DIP To Right | DIP To Angle | OZ KF | BI LI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY KF HE BI CA MA AZ BO CP CC | SUMMARY FA AI ME MI

Lower Tier Geodata: FLAG N A M / S C L | Unit of R Q D | R Q D %RQD | AGE Epoch n | ENV | RTQ | CC Colour | TM1 TM2 | QM1 QM2 | TX3 TX4 | Sa Ra Sh O/C | Ib Im Ig SJ Int Typ | T2 | STRUC2 ID L/F | A Z M | DIP To Right | DIP To Angle | KF SI | MU CL | CL EP HE Hw Alter PR | EP TE PY | MO MT MO | Hw Alter | How1 | How2

GRAPHIC | A H F = Any Same Flag of Flag = Commands, MAX or MIN or DOT = 999 | H Flag = Hardness, any no. 01-99 as desired

FROM | TO | RECOVERY | SAMPLE NO. | INT. | SS # From | SS # To | A1 A2 A3 A4 A5 A6 A7 A8 A9 | MASH TOTAL

FROM	TO	REC	SAMPLE NO.	INT.			STRUC1 ID	STRIKE AZM	DIP To Angle	STRUC2 ID	STRIKE AZM	DIP To Angle	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
/N1	833	835		X	3					D/	80			
L														
K						SK-HE-CA				E/	45		F/	E/
K						SK-HE				F/	50		F/	
/N3	842	845		X		XENOLITH OF 1b								
/P	90	1010			2b	A FEW PORPHYRITIC WHITE FELDSPARS	1.6 .8 .2						F	F.
L			34%										F	
K	914					SK-HE-EP				F/	45		F/	
/N1	964	9645		X	4					V/	65		F/	
L													F/	
/P	1000	1110			1b	MINOR BI HCL REACTION-WEAK	1.8 1.3 .2						C. D. F.	C—
L			19%											
/N1	1009	1015		X	2b									
L														
/N3	1047	110		X	1c	MINOR HB AND COARSE BI.							C. D.	F. D—
L														D*
K	1015					SK-HE				F/	60		F/	
K	1061	1074				SK-HE-MA				F/	15		C/	C.
K	1096					SK-HE- CUTS PEGMATITE OFF RIGHT ANGLE				F/	50			
/N4	1097	1097.5		X	3					D/	30			
L														
/P	1101	120			1c	MINOR HB HCL REACTION-WEAK SHORT AREAS 1d	1.5 .9 .2			FL	50		C— D—	F. C— CP D*
L			34%											
K	1148					SK-HE				E/	30			
/P	120	130			1d	MODERATE BI	2.7 .9 0						C(D.	F. 3— CP D. D. D. B.(
L			32%											

1 = One 2 = Two 3 = Seven 4 = Alpha Q 5 = Alpha S 6 = Zero 7 = Alpha I 8 = Alpha O 9 = Alpha Z

International Geosystem Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W1002		4	05-912													4	10
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	FROM (Metres or Feet)	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S	Turn'g Pt. 000 = Collar		FT												

KEY	FLAG NAM / SCL	Unit of Length	Unit of Recov.	FROM	TO	RECOVERY	T_MOD	% Mix	ROCK TYPE	TYPIFYING MINS TM1	TM2	OALMAT OM1	TEXTURES TX1	TX2	GRAIN Fr	Cr	Sc	MP	FRACTURE COUNT	1	2	Int Typ	T1	STRUC 1 ID	STRIKE AZM	Int	DIP In Degrees	QZ	BT	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	ZX	PY	SUMMARY Fa	Al	Mu
L	NAM / SCL		FT			%REC							FOLIATION						S/F	M/F							KF	LI	HE	BI		MA	AZ	BO	CP	CC

KEY	FLAG NAM / SCL	Unit of RQD	FROM	TO	RQD	ACE Form n	ENV	RTQ	LTC Colour	TM1	OM1	TX1	TX2	Sa	Ba	Sv	O/C	Is	Ia	k	U	Int Typ	T2	STRUC 2 ID	AZM	Int	DIP In Degrees	KF	MU	CL	FP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hcon1	Hcon2
L	NAM / SCL	%RQD			%RQD													L/F										SI	GL	EP			TE	PY	MT	MO			

KEY	FLAG NAM / SCL	FROM	TO	SAMPLE NO.	INT.	To SS # 1	From SS # 2	To SS # 3	From SS # 4	To SS # 5	From SS # 6	To SS # 7	From SS # 8	To SS # 9	HASH TOTAL
A	H F			RECOVERY	SS = Sample Serial No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	

KEY	FLAG NAM / SCL	FROM	TO	RECOVERY	ROCK TYPE	TYPIFYING MINS	TEXTURES	GRAIN	FRACTURE COUNT	STRUC 1 ID	STRIKE AZM	DIP In Degrees	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
L	NAM / SCL			%REC			FOLIATION		S/F M/F				KF LI HE BI MA AZ BO CP CC

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG DEN 6802 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID or DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER: 1405-92 | PAGE: 5 | OF: 10

I: PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION | DRILLING BY: WILLIAMS CREEK

S: TURN'G PT. 000 = Collar | FROM (Metres Last at Footage) | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING | NEG IF SOUTH | EASTING | NEG IF WEST | ELEVATION | NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length: FT=1 | RECOVERY | Tmod | Mix | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cg VC MP | FRACTURE COUNT 1 2 | Tm Tw | T1 | STRUC1 ID | STRIKE AZM | Inst Dip | DIP To Right | Q2 | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY | SUMMARY Fa Au B Mz

Lower Tier Geodata: L FLAG NAM SCL | Unit of RQD | RQD | Age Form'n | ENV | RTQ | CC Colour | TM3 | QM2 | TX3 TX4 | Sa Rx Sh | O/C | N Ni B SI | Tm Tw | T2 | STRUC2 ID | AZM | Inst Dip | DIP To Right | K-F | MU | CL EP HE | Hw Arm PR MO SL | Hw Arm | Hcm1 | Hcm2

A: Anti Zone Flag or Flag = 2 Collaborate, MAX or MIN or 001 - 999 | If Flag = 2 Collaborate, any no. 01-99 as wanted | RECOVERY | SS = Sample Serial No. | SAMPLE NO. | INT | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | HASH TOTAL

FROM	TO	%REC	INT
1170	1175	94	
1175	1180	103	
1180	1182.5	68	
1182.5	1186.5	98	
1186.5	1190	83	
1190	1193	60	
1193	1194.5	47	
1194.5	1198	103	
1198	1203	103	
1203	1208	98	
1208	1212.5	91	
1212.5	1217.5	98	
P 1150	1160	42%	10
NI 1150	1160	=	20
N2 1159.7	1160.1	X	3
P 1160	1170	5%	10
NI 1643	1675	X	3
N2 1690	1700	X	3
P 1710	1810	42%	3
NI 1736	1766	X	10
AN1 1775	1797	X	10

Fracture counts: 22.6 .1 | 3.7+.6+ .6+ | 2.7.2 .4

Structure / strike / dip: D/ 50 | C/ 40

Alteration & mineralization default suites: KF LI HE BI MA AZ BO CP CC | SI CL EP TE PY MT MO

Alpha Z = 2 | Alpha I = 1 | Alpha O = 7 | Alpha S = 0 | Zero = One | Two | Seven

International Geosystems Corporation

Geolog System

MAIN FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
DEN	6B02	02	W1002	405		-92													6	10
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	Unit of Recov.	RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC1 ID	STRIKE AZM	Int Typ	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa Ai Mz I
NAM																											
SCL	Unit of Length FT 2	%REC						FOLIATION		S/F M/F							KF	LI	HE	BI		MA	AZ	BO	CP	CC	

FLAG	Unit of RQD	RQD	AGE Form	ENV	RTQ	LC Colour	TM1	QM2	TX1 TX2	Sa Ru Sh O/C	Is Im R S	Int Typ	T2	STRUC2 ID	AZM	Int Typ	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
NAM																													
SCL	Unit of RQD	%RQD									L/F							SI	CL	EP			TE	PY	MT	MO			

Any Zone Flag or Flag = COMPOSITE, MAX or MIN or 001 – 999
If Flag = 21-64 = S S No. grouped
Flag = any no. 01-99 as defined

FROM	TO	RECOVERY / SAMPLE NO.	SS = Sample Serial No.	INT	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	HASH TOTAL
P	180			3								
		13%						3+ 1+ .9+				C– CP
N1	1806		X	1f								
											C*D)	C* CP
P	190			1f FOLDED								
		15%						2+ 1+ 1.1+			C)	C. CP
N1	1930		8	3								
									C/ 10			C* CP
P	200			1f FOLDED								
		49%						1.6 .6 .7			3+3+	
N1	2035		X	3								
												C* CP
N2	2068		X	2aMA ONLY OVER FIRST .0.4 FT								C.
				INCREASE IN PORPHYRITIC WHITE FELDSPARS DOWN SECTION. TROUGH THIS AND NEXT SECTION								D.
P	210			2cHB DOMINANT MAFIC				.9 .3 .3				
		70%										D.
P	220			2cHB DOMINANT MAFIC				2.6+ .9+ 1.1+				
		13%									3–	D.
N1	2201		X	3								
												CP
K	2208			SK-EP					F/ 40			
N2	228		X	3					D/ 65			
P	230			2cHB MAFIC				1.5 .8 .7				
		46%										D.
N1	2331		X	3								

Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or I = Alpha I Z = Alpha Z

International Geosystems Corporation — Geolog S-tem — MAIN ORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data

KEY	FLAG (DEN)	FORMAT VERSION	SPEC	IDENTITY OF PROJECT (OR SUB-PROJECT) (UNIQUE)	ID of DRILLHOLE/TRAVERSE: PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2	0 2	W1002	4	0 5	-92													7	10

KEY	FLAG (PRJ)	PROJECT	DRILLING CO.	DRILL MAKE	DRILL MODEL	DRILL SIZE	DRILL NO.	DRILLER	LOGGER	CORE DIAMETER	CORE LENGTH	CORE RECOVERY	CORE STORAGE	CORE DISPOSAL	CORE SAMPLING	CORE SAMPLE NO.	CORE SAMPLE WT.	CORE SAMPLE DIAM.	CORE SAMPLE LENGTH	CORE SAMPLE DESTINATION	CORE SAMPLE PURPOSE	CORE SAMPLE TYPE	CORE SAMPLE PREP.	CORE SAMPLE ANALYSIS	CORE SAMPLE RESULTS	CORE SAMPLE REMARKS
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION							WILLIAMS CREEK																	

Survey Data

KEY	TURN G PT. 000=Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT								

Upper Tier Geodata

FLAG (NAM)	Unit of Recov.	Unit of Length	RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fr	Cr	%C	MP	FRACTURE COUNT 1	2	Int Typ	T1	STRUC1 ID	STRIKE AZM	DIP To Right	OZ	BI	CY	CR	MC	XX	PY	CP	GL	YY	SUMMARY Fa1	Al	Mz1
N A M			%REC			ROCK TYPE				FOLIATION						S/F	M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			

Lower Tier Geodata

FLAG (NAM)	Unit of RQD	RQD	AGE Form n	ENV	RTO	LC Colour	TM3	QM3	TX3	TX4	Sa	Rn	Sm	O/C	FRACTURE COUNT 1	2	Int Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
N A M		%RQD													L/F							SI	CL	EP			TE	PY	MT	MO			

KEY	FROM	TO	SAMPLE NO.	INT.																															
/	217.5	222.5		34																															
/	222.5	226		67																															
/	226	230		103																															
/	230	234.5		100																															
/	234.5	239.5		100																															
/	239.5	244.5		104																															
/	244.5	250		89																															
/	250	255		98																															
/	255	260		94																															
/	260	265		101																															
/	265	270		93																															
/	270	275		103																															
/	275	280		103																															
/	280	284		93																															
/	284	286.5		92																															
/	286.5	290		104																															
/	290	295		103																															
/	295	300		102																															
/	300	305		100																															
/	305	310		91																															
/	310	315		104																															
/	315	320		84																															
/ P	240	250					2c								1.2.3											F.									
L			74%												.2																				
/ N1	241.6	243.1				X	3												D/	60															
L																																			
K	245.9							SK-HE-CA											F/	50				1—						D.					
/ N2	248.4	248.9				7	1b	XENOLITH																											
L																																			
/ P	250	260					2c								2.1.2									E.											
L			62%												.4							F.													

0 = Zero 1 = One 2 = Two 3 = Three 4 = Four 5 = Five 6 = Six 7 = Seven 8 = Eight 9 = Nine A = Alpha A B = Alpha B C = Alpha C D = Alpha D E = Alpha E F = Alpha F G = Alpha G H = Alpha H I = Alpha I J = Alpha J K = Alpha K L = Alpha L M = Alpha M N = Alpha N O = Alpha O P = Alpha P Q = Alpha Q R = Alpha R S = Alpha S T = Alpha T U = Alpha U V = Alpha V W = Alpha W X = Alpha X Y = Alpha Y Z = Alpha Z

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

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International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W100.2			405-92													9	10
I	P R J	WESTERN COPPER HOLDINGS : THERMAL EXPLORATION											WILLIAMS CREEK								

S	TURN G.P.S. 000=Collar	FROM Metres Less Last Entry	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							

	FLAG N A M / S C L	Unit of Recov. / Unit of Length F T . 2	RECOVERY	T_{MOD}	Min	ROCK TYPE	TYPIFYING MINS TM_1	TM_2	QALMAT QM_1	TEXTURES TX_1	TX_2	GRAIN Fr	Cr	%C	MP	FRACTURE COUNT 1	2	Int Typ	T_1	STRUC1 ID	STRIKE AZM	Int Meas	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	Ag	Mz	1
/			%REC									FOLIATION				S/F	M/F						KF	LL	HE	BI		MA	AZ	BO	CP	CC					

L	FLAG N A M / S C L	M or F / Unit of RQD	RQD	ACE Form 2	ENV	RTQ	LC Colour	TM_3	QM_3	TX_3	TX_4	Sh	Rx	Sw	O/C	Ir	Ia	k	Sl	Int Typ	T_2	STRUC2 ID	AZM	Int Meas	DIP To Right	KF	MU	CL	EP	HE	Hw Anm	PR	MO	SL	Hw Anm	$_1Hom_2$	$_1Hom_2$
/			%RQD													LIE										ST	CL	EP			TE	PY	MT	MO			

A	1 2 3 4	5 6 7 8 9 10 11 12 13 14 15 16	17 18 19 20 21 22 23	24 25 26 27	28 29 30 31 32 33 34	35 36 37 38	39 40 41 42	43 44 45 46	47	48 49 50 51 52 53	54 55 56 57 58	59 60	61 62	63 64	65 66	67 68 69 70	71 72	73 74 75 76	77 78	79 80
	Alpha Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999		RECOVERY	SS # Sample Serial No.																
	If Flag = FROM = 21-48 = SS no.	FROM	TO	SAMPLE NO.	INT.															
	Flag = End Comment, any no. 01-99 as wanted																			

		From	To	SS #	From	To	SS #	From	To	SS #	From	To	SS #	HASH TOTAL
		A1			A2			A3			A4			A5	A6	A7	A8	A9
		1			2			3			4			5	6	7	8	9

| | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation

Geolog System

SAMPLE FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	02	W1002	4-4-05		-92													10	10
I	PRJ																				

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C MP	FRACTURE COUNT 1 2	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY CP GL YY	SUMMARY Fa Ai M2 I
NAM																	
SCL																	

FLAG	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3 TX4	Sa Ra Sn O/C	Ti	Ti	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 1	How 2
NAM																										
SCL																										

Unit of Recov. — Unit of Length — T = 2 — M or F — Unit of RQD

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 = .999

If Flag = 01-99 or 01-99 or 21-68 = SS No. grouped

Flag = 68 no. 01-99 or any no. 01-99 as defined

		FROM	TO	SAMPLE NO.	INT.	
K	H/W	95.0'	100.0'	544539	5.0'	
		100.0	110.0	540	10.0	
K	F/W	110.0	120.0	541	10.0	
		120.0	130.0	542	10.0	33 @ .30%
A	SAM	130.0	138.0	543	8.0	
		138.0	140.0	544	2.0	
		140.0	149.0	545	9.0	
		149.0	160.0	546	11.0	
		160.0	164.3	547	4.3	33.6 @ 0.57
		164.3	167.5	548	3.2	
		167.5	169.0	549	1.5	
		169.0	173.6	550	4.6	68.8 @ .77
		173.6	180.0	551	6.4	
		180.0	190.0	552	10.0	
		190.0	200.0	553	10.0	33.7 @ .97
		200.0	206.8	554	6.8	
		206.8'	210.0'	544555	3.2'	

106.8 @ .60

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; = Alpha S

International Geosy ms Corporation — Geol System — SAM LE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W1002	04	- 05	- 92													1	1
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK						PROJECT		

	TURN G.PT. 000 = Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

	FLAG		RECOVERY	T_{MOD}	ROCK	TYPIFYING MINS TM1 TM2	OALMAT OM1	TEXTURES TX1 TX2	GRAIN Fr Cr C/C MP	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY			SUMMARY
Upper Tier Geodata	N A M / S C L	Unit of Recov. / Unit of Length															CP GL YY		
Lower Tier Geodata	N A M / S C L	M or F / Unit of R Q D	RQD	ACE Formn	ENV RTQ	LC Colour TM1 OM1		TX1 TX2 Sa Rn Sh O/C	N Int k SJ	STRUC2 ID	STRIKE AZM	DIP To Right	KF	MU	CL EP ME Hw Amt PR		MO SL Hw Amt	How_1 How_2
GRAPHIC	A H F	Any Zone Flag or Flag = Coldspace, MAX or MIN or 001 - 999 / If Flag = 1 and 21-68 = SS No. given / Flag = 0 and any no. 01-99 as comment	RECOVERY		SS = Sample Serial No														

	FROM	TO	SAMPLE NO.	INT.
K	H/W	95.0'	100.0'	5444 5389	5.0'
		100.0	110.0	5390	10.0
K	F/W	110.0	120.0	5391	10.0
		120.0	130.0	5392	10.0
A	SAM	130.0	138.0	5393	8.0
		138.0	140.0	5394	2.0
		140.0	149.0	5395	9.0
		149.0	160.0	5396	11.0
		160.0	164.3	5397	4.3
		164.3	167.5	5398	3.2
		167.5	169.0	5399	1.5
		169.0	173.6	5510	4.6
		173.6	180.0	5511	6.4
		180.0	190.0	5512	10.0
		190.0	200.0	5513	10.0
		200.0	206.8	5514	6.8
		206.8'	210.0'	5445 5515	3.2'

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF	
I	D E N	6 8 0 2 0 2		W1002	041-	05	-172																					1a
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION														WILLIAMS CREEK												1b
S	TURN'G PT. 000 = Collar	FROM Metres Loc of Feature		TO	MT/FT	TOTAL DEPTH/LENGTH		AZM CLOCKWISE FROM TRUE N		V-ANG NEG IF DOWN		HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS		NORTHING NEG IS SOUTH		EASTING NEG IF WEST		ELEVATION NEG IS SUB-SEA									2a
S					FIT																							2b

| | FLAG | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W100.2	406	–	92	HQ		MH	RC		CYRON	92 08 10				GRID		1	8
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN'G PT. 000 = Collar	FROM Metres Log of feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	5 0 0 0	0		FT	275.	247.		-50.					

KEY	FLAG N A M / S C L	Unit of Recov	Unit of Length	RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fr	Cr	%C	MP	FRACTURE COUNT 1	2	Int Typ	T1	STRUC1 ID	STRIKE AZM	Int Typ	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	SUMMARY Fa1	Al	Mz1
/																																	
/			F T . 2	%REC							FOLIATION						S/F	M/F							KF	LI	HE	BI	CP	MA	AZ	BO	CP	CC
L	SCL																																
L			Unit of R Q D	%RQD													LIF								ST	CL	EP			TE	PY	MT	MO	

KEY	FROM	TO	RECOVERY / SAMPLE NO.	INT.	
S	250			247	-51
/P	0	16	CASING – NO CORE		
/P	16	20	2b TO 2c WITH HB>BI PEBBLES	H H H	H+
L			0%		
/P	20	30	2b TO 2c WITH HB>BI PEBBLES	H H H	H+
L			0%		
/	16	20	18		
/	20	25	28		
/	25	27	50		
/	27	28.5	60		
/	28.5	30	47		
/	30	33.5	86		
/	33.5	38.5	100		
/	38.5	43.5	82		
/	43.5	48	99		
/	48	52	78		
/P	30	40	2b TO 2a	2.1 .8 .4	C– C. H+ D.
L			34%		
/P	40	50		2.4 1.0 .5	C– C– H+
L			13%		
/N1	440	441	X 3		
L					
/N2	477	505	X 5? START OF STRONGLY ALTERED SECTION – MAY BE HIGHLY ALTERED 2b or 2a – MAFICS – SERICITIZED & CHLORITIZED		P– F(
L					
/N3	489	491	X 3 INDISTINCT – ALTERED LOOKING		
L					
/P	50	60	2a or 2b – STRONGLY ALTERED – SERICITIZED	2+ .8 .7	3* F(
L			26%		

Z = Alpha Z | I or i = Alpha I | Ø = Alpha O | 7 = Seven | 2 = Two | 1 = One | 0 = Zero | S = Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002	406-92													2	8
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

S	TURN'G PT. 000=Collar	FROM Metres Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

	FLAG N A M / S C L	RECOVERY	T_{MOD} Mix	ROCK	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cl %C MP	FRACTURE COUNT 1 2	Fm Typ T	STRUC1 ID	STRIKE AZM	DIP To Right	Q2	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	GL	YY	SUMMARY PA1 AN MZ
/		%REC		ROCK TYPE			FOLIATION	S/F M/F						KF	LL	HE BI CA	MA	AZ	BO	CP CC
L		%RQD							LIF					SI	CL	EP	TE	PY	MT	MO

	FLAG N A M / S C L	M or F	RQD	ACE Form	ENV	RTQ	LC Colour	TM1	QM1	TX1	TX2	Sn	Rn	Sh	%C	Fm Typ T	STRUC2 ID	AZM	DIP To Right	K-F	MU	CL	EP	HF	Hw Amt1	PR	MO	SL	Hw Amt2	How1	How2
/			%RQD																											
L																														

	FROM	TO	SAMPLE NO.	INT.																												
	52	54.5	8.8																													
	54.5	60	8.9																													
	60	65	10.0																													
	65	70	9.2																													
	70	75	10.2																													
	75	80	10.0																													
	80	84.5	8.7																													
	84.5	89	10.0																													
	89	94.5	9.1																													
	94.5	99.5	9.8																													
	99.5	104.5	10.4																													
	104.5	110	9.4																													
N1	55.75	55.85		X	3	INDISTINCT - ALTERED LOOKING											D/ 55															
N2	57.2	57.5		X	3	INDISTINCT - ALTERED LOOKING											D/ 60															
P	60	70	35%		2a	m-2b - ALTERED — SERICITIZED	2.1.4 .5												P	HE)		FC									
K	63.3	63.4				GOUGE											F/ 20															
P	70	80	66%		2b	HCL REACTION - MOD.	1.5.4 .7												P) H+	F---		P/									
AP	73.7	75		X		INCREASINGLY ALTERED DOWN INTERVAL - PALE BLUISH GREY - SOFT HCL REACTION - STRONG																											
AP	75	80		X		NOT RECOGNIZABLE AS UNIT 2 BUT IS PROBABLY BASED UPON ALTERATION FROM 73.7 - 75 FT. - STRONG HCL REACTION CA(F) CA(P=11); HE(F)) LI(P=) AT BEGINNING OF INTERVAL A FEW MAFIC REMNANTS ARE VISIBLE AS WHITE PHENOCRYSTS.																											
K	76.10					HE, CA											F/ 20															
K	76.9					GOUGE 0.02 FT											F/ 40															

Z = Alpha Z | Ori = Alpha 1 | Ø = Alpha O | 7 = Seven | 2 = Two | 1 = One | 0 = Zero | S = Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6 B 0 2 0 2 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002

ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER: 406 - 92

SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE: 3 OF: 8

PRJ: WESTERN COPPER HOLDINGS & THERMAL EXPLORATION — WILLIAMS CREEK

TURN'G PT. 000=Collar | FROM Metres Loc of Feature | TO | MT/FT: FIT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

FLAG: NAM / SCL — Unit of Recov. — Unit of Length: F T . 2

RECOVERY | T_MOD | Min | ROCK TYPE: ROCK | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cl %C MP | FRACTURE COUNT 1 2 | Im Typ | T1 | STRUC1 ID | STRIKE AZM | Im | DIP to Right | Q2 | B1 | ALTERATION & MINERALIZATION DEFAULT SUITES: CY CB MC XX PY CP CL YY | SUMMARY Fa Ac Mz

%REC | FOLIATION | S/F M/F | KF LL HE BI CA MA AZ BO CP CC

FLAG: NAM / SCL — Unit of R.Q.D. — %RQD

RQD | AGE Form'n | ENV | RTO | C/C Colour | TM1 | QM1 | TX1 | TX2 | Sa | Ra | Sh | IO/C | B | Im | L | SI | Im Typ | T2 | STRUC2 ID | AZM | Im | DIP to Right | KF | MU | CL | EP | HE | Hw Amt | PR | MO | SL | Hw Amt | 1 How2 | 1 How2

L/F | STRUC2 | SI CL EP | TE PY MT MO

A: If Flag = FROM and 71-88 = 55 No. or TO and any no. 01-99 as above | Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999 | 55 = Sample Serial No

FROM | TO | SAMPLE NO. | INT. | To | 55 # | From | 55 # | To | 55 # | From | 55 # | To | 55 # | From | 55 # | To | 55 # | HASH TOTAL

| | | |

International Geosystems Corporation

Geolog System

MAIN FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6B02	02	W1002	4	06	92													4	8
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

	TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S			FT							

	FLAG	RECOVERY	ROCK TYPE	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
/	NAM												
/	SCL	%REC				FOLIATION		S/F M/F				KF LI HE BI MA AZ BO CP CC	

	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3	TX4	SR	RN	SH	O/C	B	M	K	U	Fr Typ	T3	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
L	NAM																																			
L	SCL		%RQD														L/F																			

	FROM	TO	SAMPLE NO.	INT.
/	125.0	130.0	94	
/	130.0	135.0	100	
/	135.0	140.0	48	
/	144.0	147.0	93	
/	147.0	150.0	93	
/	150.0	155.0	94	
/	155.0	160.0	94	
/	160.0	165.0	100	
/	165.0	170.0	92	
/	170.0	175.0	102	
/	175.0	180.0	86	
/	180.0	185.0	104	
/	185.0	190.0	104	
/	190.0	193.0	90	
/	193.0	198.0	97	
/	198.0	203.0	97	
/	203.0	208.0	93	
/	208.0	210.0	80	
/	210.0	215.0	103	
/	215.0	220.0	100	
/	220.0	225.0	100	
/	225.0	230.0	98	
/	230.0	235.0	103	
/	235.0	239.0	93	
/	239.0	239.5	80	
/	239.5	245.0	92	
/	245.0	250.0	102	
/	250.0	255.0	94	
/	255.0	260.0	100	
/	260.0	265.0	100	
/	265.0	270.0	90	
/	270.0	275.0	95	

Identity Data

Survey Data

Upper Tier Geodata

Lower Tier Geodata

GRAPHIC

Z = Alpha Z

I or I = Alpha I

Ø = Alpha O

7 = Seven

2 = Two

1 = One

0 = Zero

S = Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6802 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 406-92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 5 OF 8

PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION | WILLIAMS CREEK

TURN'G PT. 000 in C.Collar | FROM Metric Log of Pressure | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F+T+TD+AZM+V-ANG+N+E+EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | RECOVERY %REC | T_MOD | %MIX | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cr %C MP | FRACTURE COUNT | STRUC1 ID | STRIKE AZM | DIP to Right | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY CP GL YY | SUMMARY

Lower Tier Geodata: FLAG NAM SCL | ROD %RQD | AGE Form n | ENV | RTQ | LC Colour | TM3 | QM2 | TX3 TX4 | Sa Ra Sh O/C | STRUC2 ID | AZM | DIP to Right | KF | MU | CL | EP | HE | Hw Amt | PR | MO | SL | Hw Amt

GRAPHIC: Any 3 one Flag or Flag = COMposite MAX or MIN or 001 – 999 | If Flag = mine, any no. 21-48 = 15 Mn. | Flag = mine, any no. 01-99 as above

FROM	TO	SAMPLE NO.	INT.	RECOVERY	SS = Sample Serial No.	From	To	HASH TOTAL
140	150	FAULT BRECCIA: 12%						
1575	1592	6		GOUGE				
1595	160	X	1	STRONGLY ALTERED UNIT 1?				
160	170	31%	1	STRONGLY ALTERED HCL REACTION – STRONG	1.8, .4 .3			
170	180	14%	1a	STRONGLY SHEARED – ALTERED – STRONG HCL REACTION – CAN BE SEEN TO BE COARSE BX ALTERED – BRECCIA. COULD BE UNIT 2.	2.5+, .4+ .8+		DARK GREEN	
170	1705	X	3					
180	190	11%	1a	STRONGLY SHEARED AND ALTERED HCL REACTION + STRONG	H H H			
1815	190	X	2	STRONGLY SHEARED – ALTERED – IN PART BRECCIATED. MODERATE HCL REACTION				
190	200	37%	2	STRONGLY ALTERED MOD. HCL REACTION. STRONGLY SHEARED.	2.5+, .4 .8			
199	200	X	2c					
200	210	34%	2c	WEAK HCL REACTION	1.2, .6 .6			
2043	20478	X	3	SHEARED				
2070	2080	X	3	SHEARED				

S = Alpha S | 0 = Zero | 1 = One | 2 = Two | 7 = Seven | Ø = Alpha O | I or l = Alpha I | Z = Alpha Z

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	FLAG (DEN / PRJ)	FORMAT VERSION / SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	I / I	6 B 0 2 0 2	W1002	406-92													6	8
	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION								WILLIAMS CREEK								

Survey Data	TURN G PT. 000=Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S			FT							

Upper Tier Geodata	FLAG (NAM / SCL)	Unit of Recov. / Unit of Length	RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM_1 TM_2	QALMAT QM_1	TEXTURES TX_1 TX_2	GRAIN Cr %C MP	FRACTURE COUNT	Int Typ	T_1	STRUC1 ID	STRIKE AZM	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB	MG	CA	XX PY	CP	GL YY	SUMMARY Fa Au Mz
		F T 2	%REC			ROCK TYPE			FOLIATION		S/F M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC

Lower Tier Geodata	FLAG (NAM / SCL)	Unit of ROD	ROD	AGE Form n	ENV	RTQ	LC Colour	TM_1	QM_2	TX_3 TX_4	Sa Rn Sh	O/C	L L	Int Typ	T_2	STRUC2 ID	AZM	DIP to Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How_2	How_2
		M F	%RQD										L/F						SI	CL	EP			TE	PY	MT	MO			

GRAPHIC	FROM	TO	SAMPLE NO.	INT																										
/P	210	220		2c	HCL REACTION-STRONG	1.2.6																P)	2+		21					
L			56%		STRONGLY ALTERED-	.5																								
					INCREASING DOWN	INTERVAL																								
/N1	2154	2164	X	3	STRONGLY ALTERED																									
L																														
/N2	2175	2183	X	3	STRONGLY ALTERED.																									
L																														
/P	220	230		2?	PROBABLY HIGHLY	.80																P+P=		2=						
L			80%		ALTERED UNIT 2-	.4																								
					HCL REACTION MOD. TO STRONG. — BRECCIA IN PART																									
/P	230	240		2?	HCL REACTION-MOD. TO																									
L			74%		STRONG.	1.3.3																P(2)		2=						
					SHEARED AND	.2																								
					STRONGLY ALTERED. - FRAGMENTS OF PEGMATITE.																									
/N1	23355	2337	X	3																D/	40									
L																														
/N2	2378	2380	X	3																D/	80									
L																														
/P	240	250		2c	SHEARED - WEAKLY	1.4.4													P=				F-							
L			54%		ALTERED APPEARANCE	.4													F(											
/P	250	260		1	b? TO 1c BUT	2.0.3													P(				P)				D*			
L			50%		ALTERED ENOUGH	.3													PP						D*					
					TO BE DIFFICULT																									
					TO DETERMINE — APPEARS SILICIFIED — HCL REACTION MOD. TO STRONG																										
/N1	2585	2588	X	3																D/	55									
L																														
/P	260	270		1	b? TO 1c	1.2.3													P/				2=				D*			
L			66%		HCL REACTION — MOD	.2													PP						D*					
					TO STRONG																									
					FRAGMENTS OF PEGMATITE — STILL IN FAULT ZONE																									
/N1	2641	26645	X	3																										
L																														

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Field	Value
FLAG (DEN)	6 B 0 2 0 2
FORMAT VERSION	
SPEC	
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER	406-92
SIZE OF CORE OR HOLE	
GEOLOGGED YY MM DD	
BY	
ASST BY	
COMPLETED MM DD	
DRILLING BY	
STARTED YY MM DD	
COMPLETED MM DD	
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	
GRID AZIMUTH	
PAGE	7
OF	8
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION
	WILLIAMS CREEK
TURN'G PT. 000 = Collar	
FROM Marks Loc of Pressure	
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	
AZM CLOCKWISE FROM TRUE N	
V-ANG NEG IF DOWN	
HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	
FLAG (NAM / SCL)	
Unit of Recov	
Unit of Length	F T . 2
RECOVERY	%REC
T_{MOD}	
% Mix	
ROCK TYPE	
TYPIFYING MINS TM1 TM2	
QALMAT QM1	
TEXTURES TX1 TX2	
GRAIN Fr Cr %C MP	
FOLIATION	
FRACTURE COUNT 1 2	S/F M/F
Lin Typ	
T1	
STRUC1 ID	
STRIKE AZM	
DIP To Right	
ALTERATION & MINERALIZATION DEFAULT SUITES	QZ BI CY CB MC XX PY CP GL YY
	KF LI HE BI CA MA AZ BO CP CC
SUMMARY	FA AN MZ
FLAG (NAM / SCL)	
M or F	
Unit of RQD	%RQD
RQD	
AGE Form n	
ENV	
RTQ	
LC Colour	
TM3	
QM3	
TX3 TX4	
Sk Rn Sm	
O/C	
It Ian k SI	
FRACTURE COUNT	L/F
Lin Typ	
T2	
STRUC2 ID	
AZM	
DIP To Right	
ALTERATION & MINERALIZATION DEFAULT SUITES	KF MU CL EP HE Hw Alt PR MO SL Hw Alt How2 How1
	SI CL EP TE PY MT MO
SUMMARY	
GRAPHIC	

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 - 599

If Flag = FROM, TO 21-68 = SS No. given; Flag = Int, any no. 01-99 as defined

FROM	TO	RECOVERY	SS = Sample Serial No.	INT		
N2	266.45		8	3	SHEARED APPEARANCE	
P	270			1	HCL REACTION-MOD TO STRONG	.4 1.0 / 0
	275	68%				
N1	273.d		5	3	SHEARED	
N2	273.1		3	2.b	SHEARED	

Code	Meaning
PV	
PP	
2=	
D*	
D*	

S = Alpha S; 0 = Zero; 1 = One; 2 = Two; 7 = Seven; Ø = Alpha O; I or l = Alpha I; Z = Alpha Z

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002		406	-912													8	8
I	P R J	WESTERN COPPER HOLDINGS + THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN'G PT. 000 = Collar	FROM Metric Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							

KEY	FLAG	RECOVERY	T_{MOD} % Mix	ROCK	TYPIFYING MINS TM1 TM2	QAL MAT QM1	TEXTURES TX1 TX2	GRAIN Fe Cl %C MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC1 ID	STRIKE AZM	Int	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	GL	YY	SUMMARY FA AI MZ 1
/	N A M	Unit of Recov.																				
/	S C L	Unit of Length T . 2																				

KEY	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	TC Colour	TM3	QM3	TX3	TX4	Sa	Ra	Sh	O/C	Is	Im	k	S1	Int Typ	T2	STRUC2 ID	AZM	Int	DIP to Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 1	How 2
A		Any Zone Flag or Flag = COMments, MAX or MIN or 001 – 999	RECOVERY	SS = Samp# Serial No.			A1			A2												A3												A4		
H		If Flag = 31-68 = SS No. known; any no. 81-99 as defined	SAMPLE NO.				To	SS #		From	SS #											To	SS #											From	SS #		
F		FROM	TO				A5			A6												A7												A8			
							To	SS #		From	SS #											To	SS #											From	SS #		
							A9																														
							To	SS #																													

		FROM	TO	SAMPLE NO.	INT.
K	H/W	700'	817'	544455561	117'
		817	900	55571	83
K	F/W	900	1000	55581	100
		1000	1100	55591	100
A	SAM	1100	1200	56601	100
		1200	1300	56611	100
		1300	1400	56621	100
		1400	1500	56631	100
		1500	1600	56641	100
		1600	1700	56651	100
		1700	1800	56661	100
		1800	1900	56671	100
		1900	2000	56681	100
		2000	2100	56691	100
		2100	2200	56701	100
		2200	2300	56711	100
		2300	2400	56721	100
		2400	2500	56731	100
		2500	2600	56741	100
		2600	2644	56751	44
		2641	2680	56761	39
		2680	2731	56771	51
		2731'	2750'	544456781	119'

5 = Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or l = Alpha I Z = Alpha Z

International Geosystems Corporation — Geol System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	GB0202		W1002	04	I	06	-92													
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN'G PT. 000 = Collar	FROM Metres Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

KEY	FLAG NAM SCL	Unit of Recov.	Unit of Length	RECOVERY	T WOD	Mix	ROCK	TYPIFYING MINS TM1 TM2	QAL MAT QM1	TEXTURES TX1 TX2	GRAIN Fe CG SC MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC ID	STRIKE AZM	DIP	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	GL	YY	SUMMARY Fe Al Mi
/	NAM SCL																						
L	NAM SCL	M or F	Unit of RQD	RQD	AGE form n		ENV	RTO	Colour	TM1 TM2	QM1	TX1 TX2	Su Ru Sh O/C	h lu k tJ	Int Typ	T2	STRUC ID	AZM	DIP	XF	MU	CL EP HE	Hw Amt	PR	MO	SL	Hw Amt	Hcm1	Hcm2

KEY	FLAG	RECOVERY	SAMPLE NO.	INT.	A1 To	A1 SS #	A2 From	A2 SS #	A2 To	A2 SS #	A3 From	A3 SS #	A3 To	A3 SS #	A4 From	A4 SS #	A4 To	A4 SS #	A5 From	A5 SS #	A5 To	A5 SS #	A6 From	A6 SS #	A6 To	A6 SS #	A7 From	A7 SS #	A7 To	A7 SS #	A8 From	A8 SS #	A8 To	A8 SS #	A9 From	A9 SS #	A9 To	A9 SS #	HASH TOTAL
K	H/W	700'	544556	117'																																	
		817		90.0																																	
K	F/W	900		1000																																	
		1000		1100																																	
A	SAM	1100		1200																																	
		1200		1300																																	
		1300		1400																																	
		1400		1500																																	
		1500		1600																																	
		1600		1700																																	
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		2100		2200																																	
		2200		2300																																	
		2300		2400																																	
		2400		2500																																	
		2500		2600																																	
		2600		2641																																	
		2641		2680																																	
		2680		2731																																	
		2731'	544578	2750'																																	

KEY	FLAG	RECOVERY	SAMPLE NO.	INT.	HASH TOTAL
			544556	117'	
			557	83	
			558	100	
			559	100	
			560	100	
			561	100	
			562	100	
			563	100	
			564	100	
			565	100	
			566	100	
			567	100	
			568	100	
			569	100	
			570	100	
			571	100	
			572	100	
			573	100	
			574	100	
			575	41	
			576	39	
			577	51	
			544578	119'	

International Geosystems Corporation — Geolng System — M IN FORM — Geoform

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata

I: DEN 6802 W1002 — 1201-92 HQ MH — CARON 920702 0704 — GRID — 1 E

S: 5 000 — FROM 0. TO 270. — FT — 270. 247. -50.10 — WILLIAMS CREEK

WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION

FROM	TO	SAMPLE NO.	INT.	Geology / Remarks
0	16			CASING - NO CORE
16	22			BOULDERS AND GRAVEL - 26
270				
212	215		7.3	
215	219		8.8	
219	234		10.6	
234	3375		7.7	
3375	410		9.2	
410	42		8.0	
42	47		10.4	
P 0	22			OVB
P 22	30			2d MINOR BI
N1 22	224		33% X	3
N2 25	252		X	3
N3 292	299		X	3
K 292				
K 299				
P 30	140		40%	2d
N1 302	303		X	3
P 40	50		22%	2d
K				SK
AP 440	449			AZ
K 448				2MM; SK
N1 488	493		X	5

1997 CALLED APLITE BUT RECOGNIZED AS FINE WHITE ARKOSIC DYKE + SVAIRE ANDS

FROM	TO	Lithology / Structure / Alteration / Mineralization
0	16	CASING - NO CORE
16	22	BOULDERS AND GRAVEL - 26
270		
212	215	7.3
215	219	8.8
219	234	10.6
234	3375	7.7
3375	410	9.2
410	42	8.0
42	47	10.4
P 0	22	OVB
P 22	30	2d MINOR BI — 0 2.3
N1 22	224	33% X — 3 — .6 — HC 4+ F) — D-
N2 25	252	X — 3 — D/ 3.5
N3 292	299	X — 3 — F)
K 292		C/ 2.5
K 299		C/ 90
P 30	140	2d — .5 1.5
N1 302	303	40% X — 3 — .1 — HC F) — D- D+
P 40	50	2d — .7 2+
K		22% — .3 — F-
AP 440	449	SK AZ — F/ 6.5 — P1 — HC E — D-
K 448		2MM; SK — F/ 6.0 — H= V/
N1 488	493	X — 5 — D/ — P3

1997 CALLED APLITE BUT RECOGNIZED AS FINE WHITE ARKOSIC DYKE + SVAIRE ANDS

International Geosystems Corporation

Geolog System

M[illegible]N FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE EN

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6802	02	W1002	7201-92												2	8
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION								WILLIAMS CREEK								

KEY	TURN G.P.T. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

KEY	FLAG	RECOVERY	ROCK TYPE	TEXTURES	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
/	NAM	%REC	ROCK TYPE	FOLIATION	S/F M/F				KF LI HE BI CA MA AZ BO CP CC	
L	SCL	%RQD			L/F				SI CL EP TE PY MT MO	

FROM	TO	SAMPLE NO.	INT.											
K 445														
K 500									F/ 55					
/ 47	50	60							F/ 58					
/ 50	55	104												
/ 55	60	92												
/ 60	65	104												
/ 65	70	96												
/ 70	75	96												
/ 75	80	80												
/ P 50	60		2d	EP FCFG WITH CA	1.4 1.5									
L		43%			.5						1(	F-		
/ N1 521	524		X 5	WHITE (ALASKITE??)					D/ 90					
L				FEW MAFICS - TINY						P4				
/ N2 527	5275		X 3						D/ 80					
K 530				CA V/ - 1MM - SK					F/ 45		C/	V/		
/ N3 591	596		8 5	WHITE (GREY) (ALASKITE??)					D/ 50					
L				TINY BI						P2				
/ P 60	70		2d		.3 1.8									
L		54%			.2									
/ N1 635	636		X 3	1/2 IS 3 AND 1/2 IS					D/ 75		3(			
L				WHITE (ALASKITE??)										
/ P 70	80		2d	WHITE APLITE (ALASKITE) IS PROBABLY PHASE OF PEGMATITE										
L		11%		K-spar DECREASE	2+3+									
				IN SIZE AND %	.6									
/ N1 730	760		X 2a	DOWN SECTION TO APPROX. 73 FT.										
L				BI OFTEN APPEARS							H/			
/ N2 749	750		X 1f	TO BE ALTERATION OF HB (BI > HB)						H/				
L										P(		J-		
/ N3 760	797		X 3	PINK WITH WHITE										
L				SILICEOUS SECTIONS										
/ N4 767	797		X 3	WITH ASSIMILATED										
L				GNEISS - BI PARTINGS.								C)	D.	
				WEATHERED SULPHIDES -					D-					

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data: FLAG DEN 6802 02 — IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 — ID of DRILLHOLE/TRAVERSE: PRE-FIX 1201 TYPE NUMBER 92

Survey Data: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK — PAGE 3 OF 8

Upper Tier Geodata: RECOVERY %REC — ROCK TYPE — FOLIATION — S/F M/F — KF LT HE BI CA MA AZ BO CP CC

Lower Tier Geodata: RQD %RQD — L/F — SI CL EP — TE PY MT MO

FROM	TO	SAMPLE NO.	INT.												
80	85	86													
85	90	100													
90	95	106													
95	100	100													
100	105	96													
105	110	96													
110	113	80													
113	116.5	109													
116.5	118.5	93													
118.5	122.5	73													
122.5	127.5	106													
127.5	130.0	100													
N5	797	800		X	1f									C)	
P	80	90			1f	OCCASIONAL HB	4.7 1.2 .3			3=	F.			3+ C(C(D-	D(
P	90	100			1f	MO RARE - HCL REACTION WEAK	2.8 .7 .4	CA RARE		1)			9.	3* C- C-D*	D) D.
N1	942	950		X	1d					1-				C- D*	D)
P	100	110			1f	BO RARE HCL-REACTION WEAK INCREASING HB	2.9 1.2 .7			3(		3-		3- C-D-	D. D)
P	110	120			1f	HCL-REACTION WEAK	3.5+ 1.7 .6			2)	<.		D.	3- C(D*	D)
N1	110	120		2	1g					2)	<.			3- C(D*	D)
P	120	130			1e	COULD BE GNEISS ASSIMILATED IN PEGMATITE - HCL REACTION WEAK	1+ 1.9+ .9+	BI >> HB	P2		<-			C. D-	D(
N1	1200	1218		X	1f	HCL-REACTION MODERATE				2+		3*		D. C-D-	D*
N2	1265	1300		X	1g	HCL-REACTION-WEAK TO MODERATE				C(H= F(		3*		C-3*	3+

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Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FORMAT VERSION: 6 8 0 2 0 2 | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER: 1 1 2 0 T - 9 2 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 4 | OF 8

WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM Metric Loc of Feature | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING | NEG IF SOUTH | EASTING | NEG IF WEST | ELEVATION | NEG IF SUB-SEA

Upper Tier Geodata: FLAG N A M / S C L | Unit of Recov. E T · 2 | RECOVERY | T_MOD | Mrkr | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QAL MAT OM1 | TEXTURES TX1 TX2 | GRAIN Ft Cr VC MP | FRACTURE COUNT 1 2 | Im Im | T1 | STRUC 1 ID | STRIKE AZM | DIP To Right | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY | CP | GL | YY | SUMMARY Fa1 A | Mt1

Lower Tier Geodata: FLAG N A M / S C L | M or F | Unit of R Q D | RQD | ACE Form n | ENV | RTO | LC Colour | TM3 | OM3 | TX3 | TX4 | Sh | Bn | Sh | O/C | Is | Im | Is | Im | Im Tm | T2 | STRUC 2 ID | AZM | DIP To Right | KF | MU | CL | EP | HE | Hw Amt | PR | MO | SL | Hw Amt | Mow1 | Mow2

GRAPHIC: A H F — Any Zone Flag or Flag = COMMENCE, MAX or MIN or 001 – 999 | If Flag = Metric, SS no. 01-99 as per SS # | RECOVERY | SS = Sample Series No

FROM	TO	SAMPLE NO.	INT.	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	HASH TOTAL
1130	1135	102											
1135	1140	98											
1140	1145	98											
1145	1150	106											
1150	1155	104											
1155	1160	92											
1160	1165	103											
1165	1168	97											
1168	1173	106											
1173	1178	100											
1178	1183	98											
1183	1885	91											
1885	1935	105											
1935	1985	100											
P 130	140	63%		1 g HCL-REACTION MOD.	.8 1.3 .2					C* H+		F*	3+ 3(
P 140	150	60%		1 g HCL REACTION-WEAK	1.0 1.2 .3							F*	3)
N1 1463	1480	9		1 f						C*		F) C(C) 2*	3)
P 150	160	52%		1 g MINOR BT 1 g HCL REACTION-WEAK	1.1 1.1 .2	FOLIATION	40			C-		F*	1* 2(
N1 150	160	2		1 f						C-		F*	1* 2(
P 160	1710	58%		1 f SPECULARITE (F-) BI APPEARS TO OFTEN BE AN ALTERATION OF HB. HCL REACTION-WEAK	1.5 .9 .4					C C F·		F- C- 3*	3)

FOLIATION | S/F M/F | KF LI | SI CL | MA AZ | BO CP CC | IE PY | MT MO

International Geosystems Corporation — Geolo[illegible] System — M[illegible]N FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I —	D E N	6 B 0 2	0 2	W1002	1 2	0	1	-92												5	8
I +	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN G.P. 000 = Collar	FROM Mark's Loc. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S —				FT									

KEY	FLAG	RECOVERY	T_{MOD}	% MIN	ROCK	TYPIFYING MINS TM1	TM2	QAL MAT	OM1	TEXTURES TX1	TX2	GRAIN Fr	Cl	%COMP	FRACTURE COUNT	STRUCT 1 ID	STRIKE AZM	DIP to degree	QZ	SI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	CL	YY	SUMMARY Fe1 Al	Mt1
/ —	N A M	1																												
/ +	S C L	Unit of Recov.																												
		Unit of Length F T . 2			%REC					FOLIATION					S/F M/F				KF	LI	HE	BI	CP	MA	AZ	BO	CP	CC		

KEY	FLAG	RQD	AGE Form n	ENV	RTQ	LC Colour	TM1	OM2	TX1	TX2	Se	Rn	Sn	O_2/C	N	Im	n	Lj	Im Typ	T1	STRUCT 2 ID	AZM	DIP to degree	KF	MU	CL	EP	ME	HW Azm	PR	MO	SL	HW Azm	HOW_2	HOW_3
L —	N A M																																	
L +	S C L	Unit of R.Q.D													L/F									SI	CL	EP		TE	PY	MT	MO			
		%RQD																																	

GRAPHIC	1 2 3 4	5 6 7 8 9 10 11 12 13 14 15 16	17 18 19 20 21 22 23 24 25 26 27	28 29 30 31 32 33 34	35 36 37 38 39 40 41 42	43 44 45 46 47	48 49 50 51 52 53	54 55 56 57 58	59 60	61 62 63 64	65 66	67 68 69 70	71 72	73 74 75 76	77 78 79 80
A —		Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999													
A +		If Flag = 0 or 1 FROM 21-68 = 1 5 5 No. of TO Any no. 01-99 as sent													

	FROM	TO	SAMPLE-NO.	INT.	RECOVERY To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	HASH TOTAL
						A1		A2		A3		A4		A5		A6		A7	A8 A9
/ P L	1170	1180		1	41%	f	HCL REACTION - WEAK			210 1.2 .5					C—	F. 4—	F—	3)	37
/ NI L	1170	1180		2		a d										2—		3*	3)
/ P L	1180	1190		1	21%	f	HCL REACTION - WEAK			1.4 0.7 1.0					C—	2—	F—	3)	3)
/ NI L	1858	1889	X			a d									C—	2—	F—	3*	3(
/ P L	1190	200		2	37%		HIGH HB CONTENT HCL REACTION - WEAK			1.6 1.3 .4					C—	H.	F.	3*	3(
/ NI L	1918	200	X			a d									C—	H.	F.	3*	3(
/ P L	200	210		0	5.5%		HCL REACTION - WEAK (FEW SHORT SECTIONS MODERATE			1.3 .9 .2					C—	H.	F(	3(	3(
/ NI L	2119	2120	X	3							D/ 20								
K	2046	2048				SK					F/ 75					C/			
K	2093	2103									F2 25					E—	E+		
/ P L	210	220		0	6.6%		HCL REACTION - WEAK									F—			3—
/ NI L	2124	2125	X	4			NOTE: THIS QUARTZ VEIN IS CUT BUT NOT OFFSET BY A MICRO FAULT THAT OFFSETS BY FRACTURE FILLINGS 0.4 FT. ALONE SECTION				V/ 50				F(	3(	3(		
K	2160	2161									F/ 40								

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRY

Field	Value
FLAG	DEN
FORMAT VERSION	6 B 0 2 0 2
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	1201-92
SIZE OF CORE OR HOLE	
GEOLOGGED YY MM DD	
BY	
ASST BY	
COMPLETED MM DD	
DRILLING BY	
STARTED YY MM DD	
COMPLETED MM DD	
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	
GRID AZIMUTH	
PAGE	6
OF	8
FLAG	PRJ
	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION
	WILLIAMS CREEK
TURN G.P. 000 = Collar	
FROM Marks Loc of Feature	
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	
AZM CLOCKWISE FROM TRUE N	
V-ANG NEG IF DOWN	
HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	
FLAG	NAM / SCL
Unit of Recov.	
Unit of Length	FT.2
RECOVERY	%REC
ROCK TYPE	
TEXTURES	FOLIATION
FRACTURE COUNT	S/F M/F
STRUC1 ID / STRIKE AZM / DIP	KF LI HE BI CA MA AZ BO CP CC
STRUC2 ID / AZM / DIP	SI CL EP TE PY MT MO
FLAG	NAM / SCL
M or F	
Unit of RQD	%RQD
RQD	
AGE Form n	
ENV	
RTQ	
L/F	

FROM	TO	SAMPLE NO.	INT.							
1985	2041	96								
2041	2091	100								
2091	2141	108								
2141	2191	106								
2191	2241	106								
2241	2295	95								
2295	2345	110								
2345	2401	93								
2401	2451	102								
2451	2501	98								
2501	2551	103								
2551	2601	97								
2601	2651	104								
2651	2701	94								
END										
N2	2173	2179	X	3			D/ 70	F-		
N3	2101	2201	4	1d				F- 3(	3(	3-
P	2201	2301	67%	1d	HCL REACTION - WEAK	.5 .8 .5		C- 4-	F. 3(	3-
N1	2247	2248	X	4	LOOKS MORE LIKE ALTERATION THAN VEIN		V/ 55	D+		
P	2301	2401	74%	1d	HCL REACTION- MOD	1.1 .9 0		F. 3-	F* 2(	2-
AP	2359	2412		1d	FAULT ZONE WITH ALTERATION HALO HCL REACTION- STRONG FAULT GOUGE NEAR END OF SECTION		F/ 30	H1	F+D.	
P	2401	2501	78%	1d	HCL REACTION- WEAK CP-LOW END OF % RANGE	1.3 .4 .4		1-	F. 2(	2- D.

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK — W1002 — T20T-92 — PAGE 7 OF 8

FROM	TO	FLAG	RECOVERY / RQD	ROCK TYPE	FOLIATION	FRACTURE	STRUC1 / STRUC2	ALTERATION & MINERALIZATION DEFAULT SUITES	SAMPLE NO.	INT.	HASH TOTAL
2401.4	2401.9	M1	X		S/F M/F	KF LI HE BI CA MA AZ BO CP CC	D/ 55	F=F+		3	WITHIN ALTERATION ZONE ABOUT FAULT
2401.0	2412	AP	X		L/F	SI CL EP TE PY MT MO	D/ 30	WET		1d	GOUGE NEAR END OF SECTION
2429	2433	N2	X				D/ 60			2c	
2445	2449	N3	X				D/ 55	D.		2c	
2471	2477	N4	X				D/ 55	D.		2e	
250	260	P	63%					D.		1d	HCL REACTION - WEAK .3 .5 .3
2552	260	N1	X					F. 2. 2 D.		2d	FIRST 2FT. DECREASE IN K-SPAR PHENOCRYSTS AND ASSIMILATED GNEISS APPEARANCE
260	270	P	81%					H. D.		2d	.2 .1 .4
2612	2619	N1	X				D/ 40			5	PINK - PHASE OF 3

END

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Key	Flag	Format Version	Spec	Identity of Project or Sub-Project (Unique)	ID of Drillhole/Traverse Pre-Fix	Type	Number	Size of Core or Hole	Geologged YY MM DD	By	Asst By	Completed MM DD	Drilling By	Started YY MM DD	Completed MM DD	Drilling Time-Hrs	Surveyed By	Co-Ord System	Grid Azimuth	Page	Of
I	DEN	6 8 0 2	0 2	W1002	12	01	-92				DNM									8	8
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Key	Flag	Turn'g Pt. 000=Collar	From Marks Loc of Feature	To	MT/FT	Total Depth/Length	AZM Clockwise from True N	V-ANG Neg if Down	Hash Total = F + T + TD + AZM + V-ANG + N + E + EL Not Including Any Blank Fields	Northing Neg if South	Easting Neg if West	Elevation Neg if Sub-Sea
S					FT							

Key	Flag	Recovery	T_{MOD}	Mix	Rock	Typifying Mins TM1 TM2	Qal Mat QM1	Textures TX1 TX2	Grain Fr Cr %C MP	Fracture Count 1 2	Inc Typ	T1	Struc1 ID	Strike AZM	Dip To Right	Alteration & Mineralization Default Suites OZ BI CY CB MG XX PY CP GL YY	Summary Fa Ai Mz I
/	NAM																
/	SCL																

Key	Flag	M or F	RQD	Age Form n	Env	RTQ	LC Colour	TM1	QM2	TX3	TX4	Sa Ru Sn	O/C	Is Im Ik	Sl	Inc Typ	T2	Struc2 ID	AZM	Dip To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 1	How 2
L	NAM																															
L	SCL																															

Unit of Recov. — Unit of Length — T = 2 — Unit of RQD

Any Zone Flag or Flag = COMposite MAX or MIN or 001 – 999 — If Flag = 01-68 = SS No. Zone — Flag = Any No. 01-99 as defined

Graphic	Key	From	To	Sample No.	Int.
	K	H/W			
	K	F/W			
	A	SAM	70	76	9250 00	6
			76	767	01	07
			767	797	02	3
			797	90	03	103
			90	100	04	10
			100	110	05	10
			110	120	06	10
			120	1218	07	18
			1218	1265	08	47
			1265	130	09	35
			130	140	10	10
			140	150	11	10
			150	160	12	10
			160	170	13	10
			170	180	14	10
			180	190	15	10
			190	200	16	10
			200	210	17	10
			210	220	18	10
			220	230	19	10
			230	2359	20	59
			2359	2412	21	53
			2412	250	22	88
			250	2552	23	52
			2552	260	24	48

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| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data	WESTERN COPPER HOLDINGS – THERMAL EXPLORATION
Survey Data	WILLIAMS CREEK
Upper Tier Geodata	
Lower Tier Geodata	

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — WILLIAMS CREEK — PAGE 210

FROM	TO	SAMPLE NO.	INT.	ROCK TYPE	
610	710		3		
610	710		1	1a	
710	810		1	1f	HCL REACTION - NIL 3.4 1.1
780	791.4	19			SHART SECTIONS OF 1a .4 ADJACENT TO PEGMATITE
791.9	793.3		X	3	D/ 60
799	800		X	3	D/ 25
797	804		X	3	D/ 50
800	910		1	1f	HCL REACTION - NIL 2.9 .8 MODERATE HB CONTENT .5
800	910	22	2	1a 0	
836	84		X	3	WITH ASSIMILATED GNEISS D/ 55
850	852		X	3	D/ 70
857	859.5		X	3	D/ 75
876	883		X	3	D/ 70
900	1000		1	1f	MODERATE HB CONTENT 3.5 .4
971.4	1010	17	X	1a 0	MODERATE BT CONTENT .4
984	986		X	2b	D/ 150

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE EN.

Identity Data	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID or DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	I	DEN	6 8 0 2	0 2	W1002	12	02	92													3	10
	I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	TURN G.P.T. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S			FT							

Upper Tier Geodata	FLAG	RECOVERY	ROCK	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC 1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES										SUMMARY
	NAM / SCL	Unit of Recov / Unit of Length F T . 2	%REC									QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	
						FOLIATION		S/F M/F				KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

Lower Tier Geodata	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	L.C. Colour	TM2	QM2	TX3	TX4	SR	RN	SN	Q/C	H	IN	K	SI	STRUC 2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
	NAM / SCL	Unit of RQD	%RQD													L/F							SI	CL	EP			TE	PY	MT	MO		

GRAPHIC		FROM	TO	SAMPLE NO.	INT.																													
		75	80	98																														
		80	85	96																														
		85	90	100																														
		90	95	99																														
		95	100	86																														
		100	105	96																														
		105	110	80																														
		110	113	73																														
		113	118	100																														
		118	120	100																														
	P	100	110			1g	HCL REACTION - NIL					3.6+	1.1+											C.				C.						
				8%			BOTH 1g AND 1f HAVE					.8+																						
							- CONSIDERABLE OF THE OTHER MAFIC - DIFFICULT TO SEPARATE AS ZONES																											
	N1	100	110		2	1f																		C.	3-			C.						
	N2	1016	1023		X	2b												D/	90															
	N3	1033	1036		X	2b	WITH ASSIMILATED BI GNEISS											D/	85															
	N3	1039	1041		X	2b																												
	N4	1044	1056		X	2b												D/	30															
	N5	1086	110		X	3	WITH ASSIMILATED 2d																											
	P	110	120			2d	CA WITH HE (F)					2.2+	.9+											1.		F.								
				30%			HCL REACTION - WEAK					.7												HE						D.				
	N1	1166	1167		X	3												D/	5															
	P	120	130			2d	HCL REACTION - NIL					1.7+	1.2+											1-										
				5%								.6+												HE						D.				

International Geosystems Corporation — Geolog System — M N FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
FLAG: DEN / PRJ	TURN GPT 000 = Collar	FLAG: NAM / SCL	FLAG: NAM / SCL
FORMAT VERSION: 6 B 0 2 0 2	FROM: Metres Log of Feature	Unit of Recov: F T . 2	Unit of RQD: %RQD
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002	TO	RECOVERY: %REC	RQD
ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 12 02-92	MT/FT: FT	ROCK TYPE	AGE Form n
SIZE OF CORE OR HOLE	TOTAL DEPTH/LENGTH	TYPIFYING MINS TM1 TM2	ENV RTO
GEOLOGGED YY MM DD BY	AZM CLOCKWISE FROM TRUE N	TEXTURES TX1 TX2	L C Colour TM1 QM2
ASST BY	V-ANG NEG IF DOWN	GRAIN Fi Gi Ci MP	TX3 TX4 Sn Rn Sn O/C
COMPLETED MM DD	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	FOLIATION	
DRILLING BY: WILLIAMS CREEK	NORTHING NEG IF SOUTH	FRACTURE COUNT: S/F M/F	L/F
STARTED YY MM DD	EASTING NEG IF WEST	STRUC1 ID	STRUC2 ID
COMPLETED MM DD	ELEVATION NEG IF SUB-SEA	STRIKE AZM	AZM
DRILLING TIME-HRS		DIP To degree	DIP To degree
SURVEYED BY		ALTERATION & MINERALIZATION DEFAULT SUITES: QZ BI	KF MU
CO-ORD SYSTEM		CY CB MG	CL EP
GRID AZIMUTH		XX PY	HE
PAGE 4 OF 10		CP GL YY	Hw Amt PR
		SUMMARY Fe1 Au Mo1	Hw2 Hw2 MO

Identity Data: PRJ = WESTERN COPPER HOLDINGS - THERMAL EXPLORATION

Survey Data: DRILLING BY = WILLIAMS CREEK

Upper Tier Geodata: ALTERATION & MINERALIZATION DEFAULT SUITES: KF LI HE BI CF MA AZ BO CP CC

Lower Tier Geodata: ALTERATION & MINERALIZATION DEFAULT SUITES: SI CL EP TE PY MT MO

GRAPHIC

Any Zone Flag or Flag = COMposite, MAX or MIN or ODT = 999 — If Flag = 01-68 or S Fm. group or SUB-PROJ. no. 01-99 as defined — Flag = Sample Serial No. — RECOVERY — SS = Sample Serial No. — A1 A2 A3 A4 A5 A6 A7 A8 A9 — HASH TOTAL

FROM	TO	SAMPLE NO.	INT.								
120	124.5	66									
124.5	128.5	83									
128.5	132	51									
132	135	52									
135	136.5	67									
136.5	138	47									
138	143.5	67									
143.5	148.5	105									
148.5	154	91									
154	159	86									
159	160.5	60									
160.5	165.5	90									
N1	124.0	129.3		1 f	BUT NOT TYPICAL - LOWER BI CONTENT				V-		F.
					BI PARTINGS BETWEEN FELDSPATHIC LAYERS - STRONGLY FOLDED BROKEN UP BY INTRUSION OF GRANODIORITE (FAULT ZONE?)						
					VERY MINOR PEGMATITE IN SECTION BROKEN UP 1%-2% GARNETS						
N2	129.3	130.3	X	2 a							F.
P	130	140		1 f	SAME AS 124.0 TO 129.3	H H H			V-		F.
			0%								
N1	130	140	1	2 a	CROSS CUTS FOLIATION						F.
K	124	142					FZ				
P	140	150		1 d	HCL REACTION - WEAK	1.7 .9					E.
			29%		SI-CA-EP VEINLETS	.3			F(		3*
N1	140	142	8	1 f	SAME AS 124.0 TO 129.3						
N2	140	142	2	2 a							

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
KEY: L+	KEY: S+	KEY: /+	KEY: L+
FLAG: DEN	FLAG: TURN G.PT. 000 at Collar	FLAG: NAM	FLAG: NAM
FORMAT VERSION: 6802	FROM: Metric Loc of Feature	Unit of Recov: FT .2	M or F
SPEC: 02	TO	Unit of Length: FT .2	Unit of RQD: %RQD
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002	MT/FT: FT	RECOVERY: %REC	RQD: %RQD
ID of DRILLHOLE/TRAVERSE PRE-FIX: 1202-	TYPE: 92	TOTAL DEPTH/LENGTH	AZM
SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY
COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD
DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH
PAGE 5 OF 10			

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

| | | |

International Geosystems Corporation

Geolog System

MAIN FORM

Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENT

Identity Data	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	DEN	6802	02	W1002	1202-92													6	10
	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

Survey Data	TURN G.P.T. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
				FT							

Upper Tier Geodata	FLAG	Unit of Recov.	Unit of Length	RECOVERY	ROCK	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES										SUMMARY
	NAM													QZ	BI	CY CB	MG	XX	PY	CP	GL	YY		
	SCL		FT	%REC	ROCK TYPE			FOLIATION		S/F M/F				KF	LI	HE	BI		MA	AZ	BO	CP	CC	

Lower Tier Geodata	FLAG	M or F	Unit of RQD	RQD	AGE Form n	ENV	RTQ	LC Colour	TM1	QM2	TX2	TX4	SR	RN	SH	O/C	N	IM	K	LT	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
	NAM																																		
	SCL																																		
				%RQD																				SI	CL	EP			TE	PY	MT	MO			

	FROM	TO	SAMPLE NO.	INT.
	210	215	102	
	215	220	92	
	220	225	108	
	225	230	97	
	230	235	106	
	235	240	92	
	240	245	100	
	250	250	102	
	250	255	102	
	255	260	100	
	260	265	106	
	265	270	90	
	270	275	102	
	275	280	96	
	280	285	100	
	285	290	96	
	290	295	100	
	295	300	98	
	300	305	103	
	305	310	98	
	310	315	106	
	315	320	100	
	320	325	100	
	325	330	89	
	330	335	104	
	335	340	92	
	340	345	103	
	345	350	100	
	END			

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data: FORMAT VERSION 6802 | SPEC 02 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX T TYPE 202 NUMBER 92 | PAGE 7 OF 10

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: FROM / TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: RECOVERY %REC | ROCK ROCK TYPE | TYPIFYING MINS | QAL/MAT | TEXTURES FOLIATION | GRAIN | FRACTURE S/F M/F | STRUCT 1 KF | STRIKE 1 LT | DIP 1 SI | STRUCT 2 CL | STRIKE 2 EP | ALTERATION & MINERALIZATION DEFAULT SUITES HE BI CA MA AZ BO CP CC TE PY MT MO | SUMMARY

Lower Tier Geodata: RQD %RQD | ROCK AGE | ENV | RTQ | TEXTURES L/F | STRUCT 1 | STRIKE 1 | DIP 1 | STRUCT 2 | STRIKE 2

GRAPHIC

| FROM | TO | SAMPLE NO. | INT. | | |

International Geosystems Corporation — Geolog System — M 'N FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY / MM / DD	BY	ASST BY	COMPLETED MM / DD	DRILLING BY	STARTED YY / MM / DD	COMPLETED MM / DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	I	D E N	6 B 0 2 0 2		W1002	1202-92													8	10
	I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

Survey Data	S	TURN C.PT 000=Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S				FT							

Upper Tier Geodata	FLAG N A M / S C L	Unit of Recov.	RECOVERY	T_MOD	Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fx	Cr	C	MP	FRACTURE COUNT 1	2	Int Typ	T1	STRUC 1 TO	STRUC 1 STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Pal	Al	Mi
		Unit of Length F T . 2	%REC			ROCK TYPE				FOLIATION						S/F	M/F						KF	LT	HE	BI	CA	MA	AZ	BO	CP	CC			

Lower Tier Geodata	FLAG N A M / S C L	M or F	Unit of R Q D	RQD	AGE Form n	ENV	RTO	Lith Colour	TM1	QM1	TX1	TX2	Sx	Rx	Sn	O/C	N	Int	K	LJ	Int Typ	T2	STRUC 2 TO	STRUC 2 STRIKE AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How1	How2
			%RQD														L/F									SI	CL	EP			TE	PY	MT	MO			

GRAPHIC — A: H / F

Any Zone Flag or Pick = Composite, MAX or MIN or WT = 999
Pick = EROM plus any no. 01-99 as an IP

FROM	TO	SAMPLE NO.	INT.	RECOVERY	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	HASH TOTAL
					A1		A2		A3		A4		A5		A6		A7

| | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

| | | |

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

FROM	TO	SAMPLE NO.	INT.
K H/W			
K F/W			
A SAM 30	40	9250215	10
40	50	216	10
50	60	217	10
60	70	218	10
70	80	219	10
80	90	220	10
90	974	221	174
974	100	222	26
100	1086	223	86
1086	110	224	14
110	120	225	10
120	124	226	4
124	130	227	6
130	142	228	12
142	150	229	8
150	160	230	10
160	1655	231	55
1655	170	232	145
200	2054	233	154
2054	210	234	146
210	220	235	10
220	2264	236	164
2264	2282	237	18
2282	230	238	18
2300	2323	239	123
2323	240	240	77

International Geosyste[illegible]s Corporation — Geolog[illegible]stem — SAMP[illegible]. FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2		W1002	1 2	0 2	- 9 [illegible]				D N M										
I	P R J	WESTERN COPPER HOLDINGS & THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN G.PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL # + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							
S											

KEY	FLAG		RECOVERY	T_{MOD}	% Mix	ROCK	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fe	Cp	%C	MP	FRACTURE COUNT	1	2	Line Type	T_1	STRUC 1 ID	STRIKE AZM	DIP Te Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	M_1	I
/	N A M																																			
/	S C L	Unit of Recov.																																		
		Unit of Length T . 2																																		

KEY	FLAG		M or F	RQD	AGE Form n	ENV	RTQ	C.C. Colour	TM1	QM2	TX1	TX2	Se	Ru	Sm	O/C	Is	Im	Ir	Sf	Line Type	T_2	STRUC 2 ID	AZM	Line Type	DIP Te Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	H_{ow_2}	H_{ow_2}
L	N A M																																				
L	S C L		Unit of R Q D																																			

KEY	GRAPHIC	1 2 3 4	5 6 7 8 9 10	11 12 13 14 15 16	17 18 19 20 21 22 23	24 25 26 27	28 29 30 31 32 33 34	35 36 37 38 39 40 41 42	43 44 45 46	47	48	49 50	51 52 53	54 55 56 57 58	59 60	61 62 63 64	65 66	67 68 69 70	71 72	73 74 75 76	77 78	79 80
A	A	Any Zone Flag or Haz = COMposite, MAX or MIN or 001 – 999		RECOVERY SS = Sample# Serial No.			A1	A2	A3			A4		A5		A6		A7		A8		A9
H	H	If Flag = Blank, 1 of 21-68 = SS No. group																				
F	F	Flag = Blank, 1 or any no. 01-99 as defined	FROM	TO	SAMPLE NO.	INT.	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	HASH TOTAL	

KEY		FROM	TO	SAMPLE NO.	INT.	A1 To	A1 SS #	A2 From	A2 SS #	A3 To	A3 SS #	A4 From	A4 SS #	A5 To	A5 SS #	A6 From	A6 SS #	A7 To	A7 SS #	A8 HASH TOTAL	A9
K	H/W																				
K	F/W																				
A	SAM	3 0 0	4 0 0	9 2 5 0 2 5	1 0 0																
		4 0 0	5 0 0	9 2 5 0 2 6	1 0 0																
		5 0 0	6 0 0	9 2 5 0 2 7	1 0 0																
		6 0 0	7 0 0	9 2 5 0 2 8	1 0 0																
		7 0 0	8 0 0	9 2 5 0 2 9	1 0 0																
		8 0 0	9 0 0	9 2 5 0 3 0	1 0 0																
		9 0 0	9 7 4	9 2 5 0 3 1	1 7 4																
		9 7 4	1 0 0 0	9 2 5 0 3 2	2 6																
		1 0 0 0	1 0 8 6	9 2 5 0 3 3	8 6																
		1 0 8 6	1 1 0 0	9 2 5 0 3 4	1 4																
		1 1 0 0	1 2 0 0	9 2 5 0 3 5	1 0 0																
		1 2 0 0	1 2 4 0	9 2 5 0 3 6	4 0																
		1 2 4 0	1 3 0 0	9 2 5 0 3 7	6 0																
		1 3 0 0	1 4 2 0	9 2 5 0 3 8	1 2 0																
		1 4 2 0	1 5 0 0	9 2 5 0 3 9	8 0																
		1 5 0 0	1 6 0 0	9 2 5 0 4 0	1 0 0																
		1 6 0 0	1 6 5 5	9 2 5 0 4 1	5 5																
		1 6 5 5	1 7 0 0	9 2 5 0 4 2	4 5																
		2 0 0 0	2 0 5 4	9 2 5 0 4 3	5 4																
		2 0 5 4	2 1 0 0	9 2 5 0 4 4	4 6																
		2 1 0 0	2 2 0 0	9 2 5 0 4 5	1 0 0																
		2 2 0 0	2 2 6 4	9 2 5 0 4 6	6 4																
		2 2 6 4	2 2 8 2	9 2 5 0 4 7	1 8																
		2 2 8 2	2 3 0 0	9 2 5 0 4 8	1 8																
		2 3 0 0	2 3 2 3	9 2 5 0 4 9	2 3																
		2 3 2 3	2 4 0 0	9 2 5 0 5 0	7 7																

1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 8 9 10 | 11 12 13 14 15 16 | 17 18 19 20 21 22 23 24 25 26 27 | 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

1 = Alpha 1 | 2 = Alpha 2 | 3 = Alpha 3 | 4 = Alpha 4 | 5 = Alpha 5 | 6 = Alpha 6 | 7 = Alpha 7 | 8 = Alpha 8 | 9 = Alpha 9 | 0 = Alpha 0 | Z = Alpha Z

140' @ .88
78.6 @ .074
26.4 @ .053

International Geosystems Corporation — Geolog System — **MAIN FORM** — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
DEN	680202		W1002	12	03	-92	HQ		MH			CARON	920808	0809			GRID		1	9
PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

TURN G PT. 000 = Collar	FROM Meters Last of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
000	0		FT	288.	247.		-50								

FLAG NAM SCL	Unit of Recov.	Unit of Length	RECOVERY	T MOD	% Mtrs	ROCK	TYPIFYING MINS TM1	TM2	QAL MAT QM1	TEXTURES TX1	TX2	Fr	GRAIN Cr	C	MP	FRACTURE COUNT 1	2	Im Typ	T1	STRUC1 ID	STRIKE AZM	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fal	Al	Mi
	FT12		%REC			ROCK TYPE				FOLIATION						STFM/F							KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			

FLAG NAM SCL	M or F	Unit of RQD	RQD	AGE Form n	ENV	RTO	LC Colour	TM3	QM3	TX3	TX4	Su	Ro	Sa	O/C	N	Im	R	SJ	Im Typ	T1	STRUC2 ID	AZM	DIP to Right	KF	MU	CL	EP	HE	How Amt	PR	MO	SL	How Amt	How2	How2
			%RQD													L/F									SI	CL	EP			TE	PY	MT	MO			

GRAPHIC	AMH F	FROM	TO	RECOVERY	SAMPLE NO.	INT.	A1 From	To	A2 From	To	A3 From	To	A4 From	To	A5 From	To	A6 From	To	A7 From	To	A8 From	To	A9 From	To	MASH TOTAL
	A	0	14	CFS/MG		+ PEBBLES	VOLCANIC AND																		
	S	288				249 -51																			
		14	19	96																					
		19	215	88																					
		215	225	100																					
		225	285	91																					
		285	32	67																					
		32	35	71																					
		35	40	90																					
		40	445	89																					
		445	47	92																					
		47	495	92																					
		495	515	100																					
		515	56	102																					
		56	60	102																					
		60	65	96																					
		65	70	102																					
	P	14	20	7%		12d HCL REACTION-WEAK	H H .8																		
	K	163				SK															F/ 60				
	P	20	30	5%		12d HCL REACTION-WEAK	H H .8+																		
	K	201				SK-GOUGE															F/ 15				
	K	28				SK															F/ 10				
	P	30	40	10%		12d HCL REACTION-WEAK	H H .6+																		
	K	3316				SK															F/ 40				
	K	3318				SK															F/ 60				
	K	3618				SK															F/ 60				
	K	3710				SK															F/ 50				
	K	39				SK															F/ 5				
	P	401	50	13%		12d HCL REACTION-WEAK	4.0+ .3+ .8+																		

B1-130

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
FORMAT VERSION: 6 B 0 2 0 2	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002	ID of DRILLHOLE/TRAVERSE PRE-FIX: 12 TYPE: 03 NUMBER: 92
SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD
DRILLING BY: WILLIAMS CREEK	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE 12 OF 19
WESTERN COPPER HOLDINGS & THERMAL EXPLORATION							
FROM (Metric/Feet)	TO	MT/FT: FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA

FROM	TO	RECOVERY %REC	ROCK TYPE	FOLIATION	FRACTURE COUNT	STRUC 1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
									QZ: KF; BI: LT; CY: HE; CB: BI; MG: CR; XX: MA; PY: AZ; CP: BO; CL: CP; YY: CC	

FROM	TO	RQD %RQD	ACE Form n	ENV	RTQ	TEXTURES TX1	TX2	GRAIN	STRUC 2 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
								LIF				K F: SI; MU: CL; CL: EP; EP: HE; Hw Amt: TE; PR: PY; MO: MT; SL: MO; Hw Amt:	

| FROM | TO | SAMPLE NO. | INT | | | | | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRY

Identity Data (I) / Survey Data (S) / Upper Tier Geodata / Lower Tier Geodata / GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2	0 2	W1002	1 1 2	0 3	- 9 2													3	4
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	FLAG	TURN C.P. 000 = Collar	FROM Metric Log at Footage	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S					FT												

KEY	FLAG	RECOVERY	T_MOD	Mix	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fx	C/*	C	IMP	FRACTURE COUNT 1	2	Int Typ	T1	STRUC 1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Al	Mf	1
Upper Tier Geodata	NAM				ROCK																													
	SCL	%REC			TYPE				FOLIATION						S/F	M/F						KF	LF	HE	BI	C/T	MA	AZ	BO	CP	CC				
Lower Tier Geodata	NAM																																	
	SCL	%RQD			ENV	RTQ	LC Colour	TM2	QM2	TX1	TX2	Sx	Rx	Sn	O/C	H	Int	h	SI	Int Typ	T2	STRUC 2 ID	AZM	DIP To Right	KF	MU	CL	EP	HF	PR	MO	SL	Nw Amt	How1	How2
																L/F									SI	CL	EP		TE	PY	MT	MO			

GRAPHIC	AHF	FROM	TO	SAMPLE NO.	INT	RECOVERY	SS = Sample serial No	A1 To	SS #	A2 From	SS #	A2 To	SS #	A3 From	SS #	A3 To	SS #	A4 From	SS #	A4 To	SS #	A5 From	SS #	A5 To	SS #	A6 From	SS #	A6 To	SS #	A7 From	SS #	A7 To	SS #	A8 HASH TOTAL	A9
		170	175	1103																														
		175	176	80																														
		176	810	99																														
		810	810 5	310																														
		810 5	835	910																														
		835	885	1103																														
		885	92	1104																														
		92	940	910																														
		940	99	1106																														
		99	1045	916																														
		1045	1095	918																														
		1095	1145	1100																														
		1145	1195	1100																														
	N2	842	860			9	2d												C/	65								C—						
L																												C—						
	P	900	1000			7%	1f	HCL REACTION - MODERATE HB CONTENT C/ 100.2 FT 60° IRREGULAR							4.6	.6	C/	60			3C			C.			D.				
L																.5												C-3-						
	N1	987	98714			X	2c	DYKE WITH FOLIATION											D/	60														
L																																		
	P	1000	1110			86%	2d	HCL REACTION - NIL							.7	.4												C—						
L																.2											2—	C—						
	N1	1000	10002			X	1f																											
L																																		
	N2	10079	108415			X	1d	MODERATE BI											C/	50														
L																																		
	P	1110	1200			62%	1g	HCL REACTION - WEAK							.9	.6													E—						
L							1o	TIE RARE							.15								P1					C.						
	N1	1110	11114			X	2d	11.4 CONTACT 80°											C/	80														
L																																		
K		1200						SK											F/	15								C/						

1 2 3 4 5 6 7 | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

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ENTER KEYS IN COL. 1 TO ACTIVATE (

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W1002	1203	-	92													4	9
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

S	TURN G PT. 000 in Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N - E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

/	FLAG N A M / S C L	Unit of Recov. / Unit of Length — F T . 2	RECOVERY	T_MOD	% Mix	ROCK	TYPEYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fn	Cn	C/M	FRACTURE COUNT	T	S	Tn Typ	T1	STRUC1 ID	STRIKE AZM	DIP To R.H. rule	DIP	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fst Al	Mid
/			%REC			ROCK TYPE				FOLIATION					S/F	M/F								KF	LT	HE	BI	CA	MA	AZ	BO	CP	CC		

L	FLAG N A M / S C L	Unit of R.Q.D.	M or F	%RQD	AGE Form n	ENV	RTG	LC Colour	TM1	QM2	TX1	TX2	Sn	Rn	Sn	O/C	N	In	R	SJ	Tn Typ	T1	STRUC2 ID	AZM	DIP To R.H. rule	DIP	KF	MU	C1	EP	HE	Hw Alt1	PR	MO	SL	Hw Alt2	How1	How2
L				%RQD													L/F										SI	CL	EP		TE	PY	MT	MO			

A	Any Zone Flag or Flag = COMposite MAY or MUST or 001 – 999	If Flag = R, FROM: 21-68 = 55 no. or TO: any no. 01-99 as demo	FROM	TO	SAMPLE NO.	INT.	RECOVERY 55 = Sample Serial No	A1 To	55 #	A2 From	55 #	A2 To	55 #	A3 From	55 #	A3 To	55 #	A4 From	55 #	A4 To	55 #	A5 From	55 #	A5 To	55 #	A6 From	55 #	A6 To	55 #	A7 From	55 #	A7 To	55 #	A8 From	55 #	A8 To	55 #	HASH TOTAL
A																																				

/		1195	1245	1103																																
/		1245	1300	1108																																
/		1300	1335	1100																																
/		1335	1400	918																																
/		1400	1445	1102																																
/		1445	1500	1100																																
/	P	1200	1300					1g	HCL REACTION-WEAK								13.7																					
L				45%				0	BUT MODERATE								.2										D1			E-							
									OVER LAST 5 FT																														
/	AP	1225	1300						HCL REACTION-MOD.																					2*								
/	N	12238	12499		X			1e	BIZHB MAFICS.																													
L																																						
/	P	1300	1400					1g	HCL REACTION- MOD								17.7													2) C.								
L				43%				0	MODERATE BI								.4										P=			C. D.							
									CONTENT																													
									1300-1333 FT 5% LITHIC FRAGMENTS TO 8MM-SOFTISH																													
K		13019							SK																F/ 35												
K		13112							SK																F/ 60												
K		13301							SK																F/ 145												
K		13404							SK																F/ 150												
K		1410																							C/ 170												
/	P	1400	1500					2d	HCL REACTION-WEAK								8.2													F.								
L				87%													.4												H-			D.					
/	P	1500	1600					2d	HCL REACTION-WEAK								4.5												C.	E.								
L				94%													0												H-			D.					
/	AP	15313	15318																										3+	E)								
/	P	1600	1700					2d	HCL REACTION-WEAK								6.8												C.	F.								
L				79%													.1												I-			D.					
/	N	16210	16211		X			3																D/ 155												
L																																						

1 2 3 4 5 6 7 — 81-130

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ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIL

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 8 0 2 0 2		W1002	1203		-192						WILLIAMS CREEK							17	9
I	PRJ	WESTERN COPPER HOLDINGS ◇ THERMAL EXPLORATION																			

KEY	TURN G.P.T. 000 = Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S			FT							

KEY	FLAG	Unit of Recov.	Unit of Length	RECOVERY	T_{MOD}	% MIN	ROCK TYPE	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fo	Cr	°C	MP	FRACTURE COUNT 1	2	Im Typ	T_1	STRUC1 ID	STRIKE AZM	Im	DIP To Right	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	XX	PY	CP	CL	YY	SUMMARY FA1	M1
	NAM SCL		FT . 2	%REC			ROCK				FOLIATION						S7F	M7F							KF	LI	HE	BI	AB	MA	AZ	BO	CP	CC		

KEY	FLAG	M or F	Unit of RQD	RQD	AGE Form n	ENV	RTO	LC Colour	TM1	QM2	TX1	TX2	Sa	Rn	Sh	O/C	%	Lu	k	SJ	Im Typ	T_1	STRUC2 ID	AZM	Im	DIP To Right	KF	MU	CL	EP	ME	PR	MO	SL	HW Amt1	HOW_2	HOW_3
	NAM SCL		FT . 2	%RQD													L/F										SI	CL	EP		TE	PY	MT	MO			

	FROM	TO	SAMPLE NO.	INT.	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	HASH TOTAL
	220	225	1110												
	225	230	910												
	230	235	1015												
	235	236 5	67												
	236 5	240	1010												
	240	245	1013												
	245	250	916												
	250	255	1013												
	255	260	98												
	260	265	1010												
	265	270	199												
	270	275	98												
	275	276	80												
	276	280	1015												
	280	285	1010												
	285	288	97												
	— END —														
N1	2283	2845		X	3										
											D/ 60				
N2	2955	298		X	3										
											D/ 70				
P	230	240			2d	NCL REACTION — WEAK	.8	.3							
			85%				.3						F		
K	2343					SIK - HE (F)					F/ 25		H —	1 —	D
K	2353					SIK - HE (F)					F/ 25		F/		
K	2372					SIK - HE (F)					F/ 40		F/		
K	23905					SIK - HE (F)					F/ 40		F/		
P	240	250			2d		.9	.2							
			65%				.4						F	F	
K	2402					SIK + HE (F)							H		D
K	2412	9				SIK - HE (F)					F/ 15	5	F/		
K	2413	5				SIK - HE (F)					F/ 20		F/		
K	2412					SIK - HE (F)					F/ 40		F/		
K	2418	0				SIK - HE (F)					F/ 25		F/		
K	2416	3				SIK - HE (F)					F/ 15	0	F/		
K	2418					SIK - HE (F)					F/ 15	5	F/		
AP	248	250											F/		
													F	FK	

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ENTER KEYS IN COL. 1 TO ACTIVATE ENT.

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE: TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE OF
I 1–	D E N	6 8 0 2 0 2		W1002	1203-92						WILLIAMS CREEK							8 9
I 1+	P R J	WESTERN COPPER HOLDINGS – THERMAL EXPLORATION																

KEY	TURN'G PT. 000=Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S 1–				FT						PROJECT SURVEY	
S 1+											

KEY	FLAG	Unit of Recov.	Unit of Length	RECOVERY	T MOD	Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fg Cr *Cmp	FRACTURE COUNT 1 2	Im Typ	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	OZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP GL YY	SUMMARY Fa1 Ab Ep Mz1
L 1–	N A M																KF	LI	HE BI CA	MA AZ	BO CP CC
L 1+	S C L		F T . 2	%REC						FOLIATION		S/F M/F									

KEY	FLAG	Unit of R.Q.D.	RQD	ACE Form n	ENV	RTQ	LC Colour	TM1	QM2	TX1	TX2	Sx	Rx	Sn	O/C	Im	Ih	Ij	Im Typ	T2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How1	How2
L 2–	N A M																							SI	CC	EP			TE	PY	MT	MO			
L 2+	S C L	%RQD															L/F																		

GRAPHIC: A 1 2 3 4 | M 5 6 7 8 9 10 | H 11 12 13 14 15 16 | F 17 18 19 20 21 22 23 24 25 26 27 | 28 29 30 31 32 33 34 | 35 36 37 38 39 40 41 42 | 43 44 45 46 47 | 48 49 50 51 52 53 | 54 55 56 57 58 | 59 60 | 61 62 63 64 | 65 66 | 67 68 69 70 | 71 72 | 73 74 75 76 | 77 78 79 80

| KEY | FLAG | FROM | TO | RECOVERY | SAMPLE NO. | INT. | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE

		KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY	MM	DD	BY	ASST BY	COMPLETED MM	DD	DRILLING BY	STARTED YY	MM	DD	COMPLETED MM	DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
Identity Data	I	I	D E N	6 8 0 2 0 2		W1002	1203	-	92																			19	4
		I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION														WILLIAMS CREEK												
Survey Data	S	S	TURN G.PT. 000 = Collar	FROM Metric Loc of Feature		TO	MT/FT	TOTAL DEPTH/LENGTH		AZM CLOCKWISE FROM TRUE N		V-ANG NEG IF DOWN		HASH TOTAL # F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS			NORTHING	NEG IF SOUTH			EASTING	NEG IF WEST			ELEVATION	NEG IF SUB-SEA			
				°	'		FT			°		°																		
Upper Tier Geodata	/	/	FLAG N A M / S C L	Unit of Recov. FT .1			RECOVERY %REC	T_MOD	% Mix	ROCK TYPE ROCK	TYPIFYING MINS TM1	TM2	OALMAT OM1	TEXTURES TX1	TX2	GRAIN Fr Cr C MP	FRACTURE COUNT 1	2	Tw Tn	T1	STRUCT ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fe1	Ni	Mn2	1
														FOLIATION			S/F	M/F					KF	LI	HE	BI		MA	AZ	BO	CP	CC				
Lower Tier Geodata	L	L	FLAG N A M / S C L	M or F Unit of R Q D .1			RQD %RQD	AGE Form n		ENV	RTQ	LC Colour	TM1	OM1	TX1	TX2	Sa	Rn	Sh	O/C	H	In	K	Yl	Tw Tn	T1	STRUCT ID	STRIKE AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How1	How2
																					L/F								SI	CL	EP			TE	PY	MT	MO			
GRAPHIC			1 2 3 4	5 6 7 8 9 10	11 12 13 14 15 16		17 18 19 20 21 22 23			24 25 26 27	28 29 30 31 32 33 34			35 36 37 38 39 40 41 42			43 44 45 46 47		48		49 50 51 52 53		54 55 56 57 58		59 60	61 62 63 64 65 66			67 68 69 70		71 72	73 74 75 76		77 78 79 80		
	A	A	Any Zone Flag or Flag = COMMENTS, MAX or MIN or 001 – 999				RECOVERY	SS = Sample Serial No																														
		H	# Flag 21-68 = 1-3 No. prefix Flag = Min.	FROM		TO	SAMPLE NO.		INT.		To	SS #	From	To	SS #	From	To	SS #	From	To	SS #	From	To	SS #	From	To	SS #	From	To	SS #	HASH TOTAL						
		F	Min. any no. 01-99 as per								A1	1		A2	2		A3	3		A4	4		A5	5		A6	6		A7	7		A8	8		A9	9	

| | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

FLAG	FROM	TO	SAMPLE NO.	INT.
K H/W	40.	50	9250571	10
	50	56	7250572	6
K F/W	56	60	0573	4
	60	70	9250574	10
A SAM	70	80	0575	10
	80	84.2	0576	4.2
	84.2	86	0577	1.8
	86	96	0578	10.0
	96	100.2	0579	4.2
	100.2	111.4	060	11.2
	111.4	120	061	8.6
	120	130	062	10
	130	140	063	10
	140	150	064	10
	150	160	065	10
	160	170	066	10
	170	180	067	10
	180	190	068	10
	190	200	069	10
	200	204.5	065	4.5
	204.5	210	069	5.5
	265.8	271.6	9250710	15.8

SAMPLE ERROR

International Geosystems Corporation — Geol[illegible] System — SAM[illegible]E FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG DEN 68020 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX: 12-03-92 | TYPE | NUMBER | SIZE OF CORE OR HOLE: HQ | GEOLOGGED YY MM DD: 1/JT | BY | ASST BY | COMPLETED MM DD | DRILLING BY: WILLIAMS CREEK | STARTED YY MM DD | COMPLETED | DRILLING TIME/HRS | SURVEYED BY | COORD SYSTEM | GRID AZIMUTH | PAGE | OF

Survey Data: PRJ | TURN G.P. 000 = Collar | FROM Metric Loc. of Feature | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG. IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG. IF SOUTH | EASTING NEG. IF WEST | ELEVATION NEG. IF SUB-SEA

Upper Tier Geodata: FLAG NAM / SCL | Unit of Recov. | Unit of Length — T = 2 | RECOVERY | T mod | Mins | ROCK | TYPIFYING MINS TM1 TM2 | QAL/MAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cl C MP | FRACTURE COUNT 1 2 | Int Typ | T1 | STRUC TI ID | STRIKE AZM | DIP to Right | OZ | BT | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC YZ PY CP | GL | YY | SUMMARY Fa1 Ar Mt1

Lower Tier Geodata: FLAG NAM / SCL | M or F | Unit of R Q D | R Q D | ACE Form n | ENV | RTO | C Colour | TM3 | QM3 | TX3 | TX4 | Sa Rn Sv | IO/C | H Int L S1 | T2 | STRUC II ID | AZM | DIP to Right | S2 | MO | GL | S# | Hem 1 | Hem 2

GRAPHIC: A AMT

Any Zone Title or Flag = Comments MAX or MIN or 001 – 999 | If Flag = Comments (cols 21-68 = 1.5 ins. grouped) any no. 01-99 as prefix | RECOVERY | SS # SAMPLE Serial No.

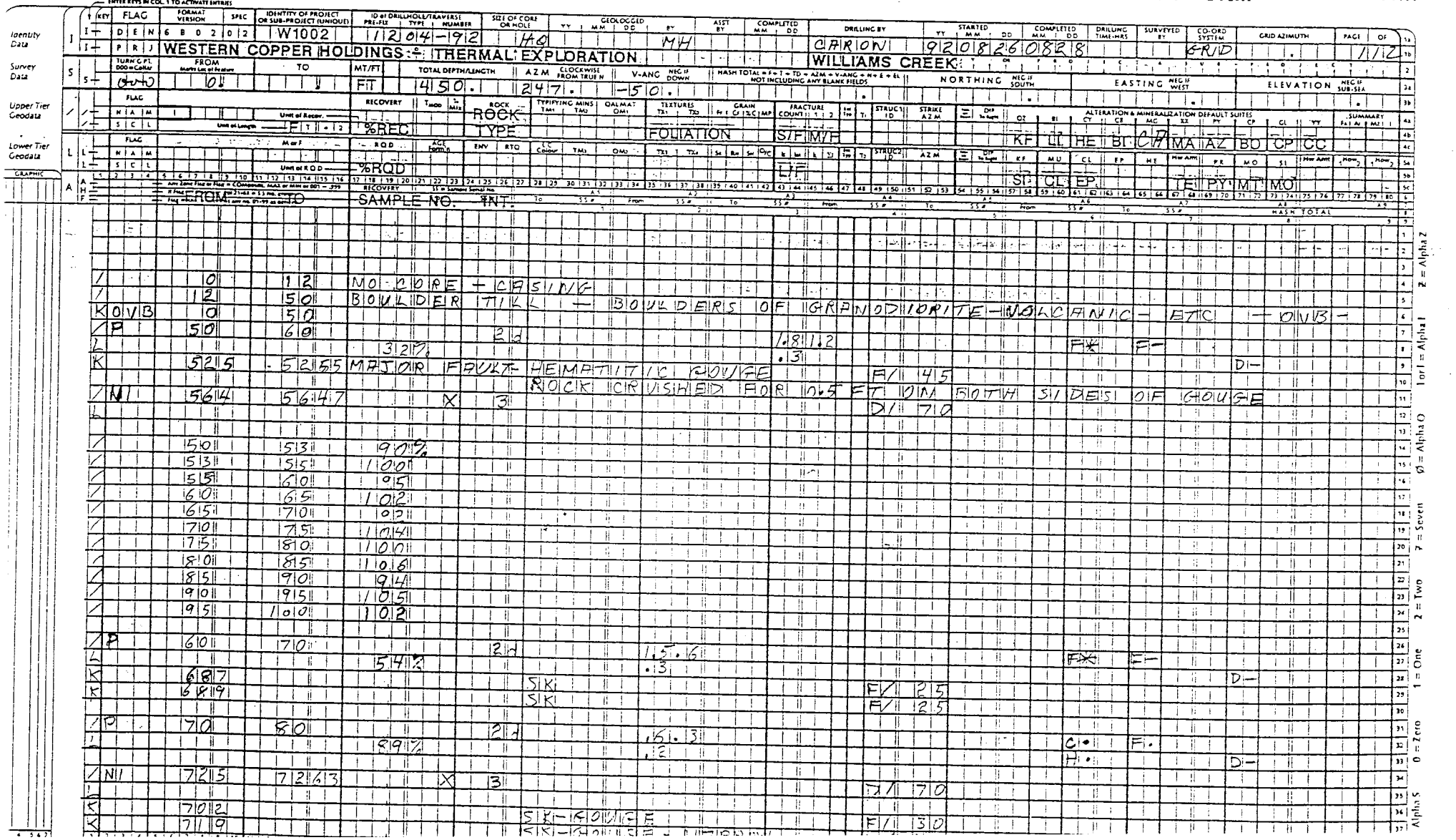
	FROM	TO	SAMPLE NO.	INT.
K H/W	40.	50	925051	10
	50	56	925052	6
K F/W	56	60	10553	4
	60	70	925059	10
A SAM	70	80	0555	10
	80	84.2	0556	4.2
	84.2	86	0557	1.8
	86	96	0558	10.0
	96	100.2	0559	4.2
	100.2	111.4	060	11.2
	111.4	120	061	8.6
	120	130	062	10
	130	140	063	10
	140	150	064	10
	170	180	065	10
	180	190	066	10
	190	200	067	10
	200	204.5	068	4.5
	204.5	210	069	5.5
	265.8	271.6	925070	5.8

28.2 @ 0.69 / 44.2 @ 0.54

(SAMPLE ERROR)

- 2m @ 0.69

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform



FROM	TO	SAMPLE NO.	INT.	
10	112			MODERATE + CASING
112	150			BOULDER TILL — BOULDERS OF GRANODIORITE-VOLCANIC-ETC — OVB —
150	160			
160	515			
515	525			MAJOR IF DULL HEMATITIC FRUIT
525	561			ROCK CRUSHED FOR 10.5 FT DIM BOTH SIDES OF CHUTE
561	564	X	3	
564	567			
610	613			90%
613	615			100%
615	710			95%
710	715			100%
715	810			100%
810	815			100%
815	910			94%
910	915			100%
915	1010			100%
610	710			
				54%
687				
689				
710	810			
				99%
1725	1763	X	3	
7102				
7119				

FROM	TO	SAMPLE NO.	INT.	
			2d	1.5.6
				.3
				SIK
				SIK
			2d	.15.3
				.12
			3	
				SIK-KOVICE

FROM	TO	SAMPLE NO.	INT.	
				.8 1.2
				.3
				F/ 415
				D/ 710
				F/ 215
				F/ 215
				D/ 710
				F/ 310

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

FLAG: DEN 6 B 0 2 0 2 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNHOLE): W100.2 | ID of DRILLHOLE/TRAVERSE: PRE-FIX | TYPE | NUMBER: 12014-912 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 12 OF 12

PRJ: WESTERN COPPER HOLDINGS : THERMAL EXPLORATION | WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM (Metric Units are Assumed) | TO | MT/FT: FIT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | NORTHING | NEG IF SOUTH | EASTING | NEG IF WEST | ELEVATION | NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length: FT .12 | RECOVERY | T_MOD | ROCK | TYPIFYING MINS TM1 TM2 | QAL MAT QM1 | TEXTURES TX1 TX2 | GRAIN Fg Cg SC IMP | FRACTURE COUNT | STRUC1 ID | STRIKE AZM | DIP | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XZ PY CP GL YY | SUMMARY

Lower Tier Geodata: FLAG NAM SCL | Unit of ROD | M of F | ROD | AGE Form | ENV | RTO | Colour | TM3 | QM2 | TX1 TX2 | Sa Ra Sv | STRUC2 ID | AZM | DIP | KF MU CL EP HT | PR MO SL | HW ARM | MOM1 MOM2

GRAPHIC: A M T

Any 3mm Mark or Place = Component; MEAS or MARK or DOT = 999 | If Mark Measured from Hole Axis, enter No. (01-99) or Quad No. | Flag Mark Measured from Hole Axis, enter No. (01-99) or Quad No.

RECOVERY | SAMPLE NO. FROM | TO | %REC | %ROD | %INT | ROCK TYPE | FOLIATION | STRUC1 ID | STRIKE A2M | DIP | ALTERATION & MINERALIZATION DEFAULT SUITES | SUMMARY | MASH TOTAL

	FROM	TO	%REC	%ROD	%INT	ROCK TYPE	FOLIATION	STRUC1 ID	STRIKE A2M	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
P	8 0	9 0			2							
			75%									
NI	8 1 7 5	8 1 8 5	X		5							
								D/I	61 5			
K	8 6 0	8 6 0 5				SK-HE-ER-CA		E/I	210			
P	9 1 0	1 0 0			2							
			80%									
NI	9 1 1 4 5	9 1 1 5 2	X		3			D/I	810			
K	9 3 0 0	9 5 0 0				SK-EP-CA (2 FAULTS)		F/I	115			
P	1 0 1 0	1 1 1 0			2							
			74%									
NI	1 0 6 8	1 1 0 9 1	X		3	LOWER CONTACT		D/I				
K C/I	1 0 6 8					IRREGULAR		C/I	65			
P	1 1 1 0	1 1 2 0			2							
			86%									
NI	1 1 1 6 3 5	1 1 1 6 5	X		3			D/I	715			
NI	1 1 1 7 1	1 1 1 7 1 1 8	X		3			D/I	175			
D	1 2 0	1 3 0			2							
			66%									
NI	1 2 0 3 5	1 2 0 6 5	X		3	IRREGULAR CONTACTS		D/I				
K F/I	1 2 0 2					SK		F/I	215			
NI 2	1 2 1 2 9 1	1 2 3 0	X		3	SMALL IRREGULARITIES						
P	1 3 0	1 4 0			2	GRADUAL ALTERATION INCREASING DOWN MODERATE						
			13%									

Legend: 0 = Zero | 1 = One | 2 = Two | 3 = Seven | Ø = Alpha O | I or l = Alpha I | S = Alpha S | Z = Alpha Z

International Geosystem Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID OF DRILLHOLE/TRAVERSE PREFIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W103	12041-92														
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK							3	12

KEY	FLAG	TURN C.P.L. 000 in Collar	FROM Meters Feet or Inches	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM. CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S	S				FT							

KEY	FLAG	RECOVERY	Tmod	Mrkr	ROCK	TYPIFYING MIN1 MIN2	QAL MAT QM1	TEXTURES TX1 TX2	GRAIN G1 G2 SC IMP	FRACTURE COUNT FI 1 2	Im Typ	Y1	STRUC 1 ID	STRIKE AZM	Im	DIP to horiz	Q2	B1	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX PY	CP	GL	YY	SUMMARY Fe1 Al Mg1
U	N A M																						
U	S C L	Unit of Recov.		Unit of Length FT	%REC			FOLIATION		S/F M/F							KF	LI	HE BI	MA AZ	BO	CP CC	

KEY	FLAG	M or F	ROD	AGL Form	ENV	RTG	Colour	TM1	QM2	TX1	TX2	Sa	Sv	Sd	I/O/C	It	Im	k	33	Im Typ	T2	STRUC 2 ID	AZM	Im	DIP to horiz	K1	M.U.	CL	EP	HE	How Alt'd	PR	M.O.	SL	How Alt'd	How1	How2
L	N A M															LIF																					
L	S C L	Unit of ROD	%ROD																							SD	CL	EP		TE	PY	MI	MO			

GRAPHIC		FROM	TO	SAMPLE NO.	INT	RECOVERY	A1	A2	A3	A4	A5	A6	A7	A8	HASH TOTAL
		1005	1010	1010		8.7									
		1010	1015	1010		10.0									
		1015	1110	1010.5		10.0									
		1110	1110.5	1010		9.3									
		1110.5	1115	1120		9.1									
		1115	1116.5	1126		7.0									
		1116.5	1120	1120.5		7.6									
		1120	1120.5	1122.5		10.0									
		1120.5	1122.5	1123		7.8									
		1122.5	1123	1127.5		13.6									
		1123	1127.5	1130		9.7									
		1127	1130	1135		8.3									
		1130	1135	1138		7.5									
		1135	1138	1142		10.7									
		1138	1142	1146.5		9.8									
		1142	1146.5	1150		9.8									
		1146.5	1150	1155		9.8									
		1150	1155	1160		9.8									
		1155	1160	1167.5		9.8									
		1160	1167.5	1170		9.5									
		1167.5	1170	1173		11.4									
		1170	1173	1180		10.6									
		1173	1180	1184		10.0									
		1180	1184	1189		9.4									
		1184	1189	1194		9.0									
		1189	1194	1197		11.3									
		1194	1197	2010		11.3									
		1197	2010	2015		10.8									
		2010	2015	2110		9.6									
		2015	2110	2115		10.0									
		2110	2115	2210		9.3									
		2115	2210	2215		11.6									
		2210	2215	2310		9.6									
		2215	2310	2315		10.6									
		2310	2315	2317.5		7.2									
		2315	2317.5	2410.5		8.7									
		2317.5	2410.5	2415.5		10.2									

Alpha Z = 35 · Alpha I = 34 · Alpha O = 33 · Seven = 7 · Two = 2 · One = 1 · Zero = 0 · Alpha S = 32

International Geosystem Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: PROJECT (UNIQUE) W1002 | DRILLHOLE/TRAVERSE NUMBER 12047-192 | COMPANY: WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION | DRILLING BY: WILLIAMS CREEK | PAGE 14 OF 12

Survey Data: FROM / TO | MT/FT: FT | TOTAL DEPTH/LENGTH | A Z M | CLOCKWISE FROM TRUE N | V-ANG | NEG IF DOWN | HASH TOTAL of F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING | NEG IF SOUTH | EASTING | NEG IF WEST | ELEVATION | NEG IF SUB-SEA

Upper Tier Geodata: RECOVERY | ROCK TYPE: %REC | TYPIFYING MINS | GALMAT | TEXTURES | GRAIN | FRACTURE COUNT | STRUC1 ID | STRIKE AZM | DIP | ALTERATION & MINERALIZATION DEFAULT SUITES (CY CB MG RX PY CP CL YY) | SUMMARY

Lower Tier Geodata: ROD | RCR | ENV | RTQ | %RQD | STRUC2 ID | STRIKE AZM | DIP | MU | CL | EP | HE | PR | MO | SL

GRAPHIC

| | FROM | TO | SAMPLE NO. | %INT. | | |

International Geosyst ns Corporation — Geolo System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata	GRAPHIC
I	S	/	L	A

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 8 0 2	0 2	W1002	1 2	0 4	-92													5	12
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN G PT. 000 = Collar	FROM Metres Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG	Unit of Recov.	Unit of Length	RECOVERY	ROCK TYPE	TYPIFYING MINS	QALMAT	TEXTURES	GRAIN	FRACTURE COUNT	STRUC ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES	SUMMARY
NAM / SCL		FT	%REC				FOLIATION		S/F M/F				KF LI HE BI CA MA AZ BO CP CC	

FLAG	Unit of RQD	RQD	ACE Form	ENV	RTQ	LC Colour	TM1	QM1	TX1	TX2	Sa	Ra	Sn	O/C	K	M	L	J	Tr	Tr	STRUC ID	AZM	DIP	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	Hw2	Hw2
NAM / SCL		%RQD													L/F																				

FROM	TO	RECOVERY SAMPLE NO.	INT.	To	From	To	From	To	From	To	HASH TOTAL
/P	170	180		2d	DOWN SECTION						
L		63%			INCREASING HE -	.8 .7			H1	F-	F-	D-
K	171				SERICITE ALTERATION	.6						
K	1716				SK-CA-HE		F/	60				
K	1783				SK		F/	55				
					SK-CA		F/	35				
/P	180	190		2d	STRONGLY ALTERED	.7 1.0			P)		P=	
L		33%			MA DESTROYED IN	.8						D.
					STRONGEST ALTERATION - SERICITE + CARBONATE							
KF/	1803				SK-LI-HE CURVED		F/	15				
KF/	1810				SK-LI-HE CURVED		F/	15				
KF/	1798	1805			ROCK QUITE SHATTERED							
/N1	1838	1890	7	3	STRONGLY SERICITIZED							
L												
/AP	1890	1901	SHEAR ZONE		VERY SERICITIZED AND		FL	40				
L					SHEARED - 40° TO CA.							
/N2	1838	1890	1	4								
L										D.		
/P	190	200		2d	RED FROM PERVASIVE	1.6 .3			C-2	1	F+	
L		69%			AND (F) HE.	.1						D-
KC/	1901						C/	40				
KF/	1910				SK-HE		F/	50				
KF/	1933				SK-LI		F/	50				
KF/	1949				SK-HE - IRREGULAR		F/	80				
KF/	1958				SK-HE		F/	80				
/P	200	210		2d	HE ALTERATION	.7 .4			C-2+		F)	
L		51%			DECREASING DOWN	.9						D-
/					SECTION AFTER FAULT AT 202.9 TO 203.2 FT. - LITTLE AFTER 2059							
/AP	2020	2038			PERVASIVE SERICITE							
					ALTERATION EITHER SIDE OF FAULT							
/F/	2029	2032			STRONGLY SHEARED		F/	45			F1	
L					FAULT							
K	2007				SK-HE							

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; Alpha S

International Geosystems Corporation — Geological System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

I: FLAG DEN 6802 | FORMAT VERSION | SPEC | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX | TYPE | NUMBER: 112014-92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 6 OF 12

I: PRJ: WESTERN COPPER HOLDINGS : THERMAL EXPLORATION — WILLIAMS CREEK

S: TURN'G PT. 000 = Collar | FROM Master Line or Baseline | TO | MT/FT: FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = FROM + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM | Unit of Recov. FTI2 | RECOVERY | T mode | MIX | ROCK TYPE: ROCK | TYPIFYING MIN1 MIN2 | QALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fn C I SC MP | FRACTURE COUNT | Fm Typ T1 | STRUCT ID | STRIKE AZM | DIP To Right | Q2 | B1 | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY CP | CL YY | SUMMARY Fe1 Al MT1 | 4a 4b 4c

%REC: FOLIATION: S/F M/F: KF LL HE BI CH MA AZ BO CP CC

Lower Tier Geodata: FLAG NAM | Unit of RQD | RQD | ACE Form | ENV | RTQ | LC Colour | TM1 | QM1 | TX1 TX2 S1 B1 S2 | Fm Typ T1 | STRUCT ID | AZM | DIP To Right | KF | MU | CL EP HE | How Amt PR | MO | SL | How Amt | How | How2 | 5a 5b 5c

%RQD: LIF: ST CL EP: TE PY MT MO

GRAPHIC: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

A: Any Zone Flag or Prog = COMments; MAX of MIN in 001 – 999 | # Trips in 1-49 = T1 rec. prog | Prog # any no. 01-99 as desired | FROM | TO | SAMPLE NO. | INT | RECOVERY | SS = Sample Serial no. | A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | HASH TOTAL

| K | | 210519 | | |

International Geosyst ıs Corporation — Geolo₂ ɔystem — MAIN FORM — Geoform

Identity Data | Survey Data | Upper Tier Geodata | Lower Tier Geodata | GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6802	02	W1002	T	2	014	-92													
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN G PL DDD in Collar	FROM Meters Last of 14 digits	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							

KEY	FLAG	RECOVERY	T_{MOD}	% Mtx	ROCK TYPE	TYPIFYING MINS TM1	TM2	OALMAT OM1	TEXTURES TX1	TX2	GRAIN % C	% MP	FRACTURE COUNT 1	2	Int Typ	T_1	STRUC 1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CR	MG	KF	MA	AZ	BO	CP	CC	SUMMARY Fe3 M	MG1
L		%REC			ROCK TYPE				FOLIATION				S/F	M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC		
L		%RQD											L/F																		

KEY	FLAG	RQD	AGE Form	ENV	RTQ	LC Colour	TM1	OM1	TX1	TX2	Sx	Rx	Sy	IOC	W	Iw	k	IJ	Int Typ	T_1	STRUC 2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MQ	SL	Hw Amt	M_{ow_2}	H_{ow_2}
L		%RQD													L/F									ST	CL	EP		TE	PY	MT	MO			

KEY	RECOVERY	SAMPLE NO.	INT.	To	From	To	From	To	From	To	MASH TOTAL
A				A1	A2	A3	A4	A5	A6	A7	A8

| | | | | | | | | | | | | | | | | | |

International Geosy: ms Corporation Geolc System MAIN FORM Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT (OR SUB-PROJECT) (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	68021		W1002	1	2	014	-1912													
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN G PT. 000 = Collar	FROM Meters Last of 4 to Meters	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FIT							

KEY	FLAG NAM / SCL	Unit of Recov. / Unit of Length	RECOVERY	T_MOD	% MIN	ROCK	TYPIFYING MINS TM1 TM2	GALMAT OM1	TEXTURES TX1 TX2	GRAIN SI %C %C MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC1 ID	STRIKE AZM	INT	DIP Tc Right	CQ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XX FY	SUMMARY Fa Az M2 i
/	NAM					ROCK												KF	LI	RE BI MA AZ	
/	SCL	FT • 2	%REC			TYPE			FOLIATION		S/F M/F									BO CP CC	

KEY	FLAG NAM / SCL	Unit of RQD	RQD	ACE Form 1	ENV	RTQ	LC Colour	TM1	OM1	TX1	TX2	SI	RM	SH	Other	INT	2	3	Int Typ	T1	STRUC2 ID	AZM	INT	DIP To Right	KF	MU	CL	EP	HE	How Amt	PR	How Amt	MO	SL	How Amt	How2	How2
/	NAM																																			
/	SCL	%RQD														LIF									SI	CL	EP			TE	PY	MT	MO			

KEY	Any Zone Flag or Flag = Comments, MAX or MIN or 001 = 999	RECOVERY	SS = Sample Serial No.	A1 From	A1 To	A2 From	A2 To	A3 From	A3 To	A4 From	A4 To	A5 From	A5 To	A6 From	A6 To	A7 From	A7 To	A8 From	A8 To	A9	HASH TOTAL
A	FROM TO	SAMPLE NO.	INT	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #	SS #		
/	2145	2495	98																		
/	2495	2505	110																		
/	2505	2545	25																		
/	2545	2595	95																		
/	2595	2645	103																		
/	2645	2695	100																		
/	2695	2745	100																		
/	2745	2795	91																		
/	2795	2845	106																		
/	2845	2895	100																		
/	2895	2945	104																		
/	2945	2985	98																		
/	2985	3033	103																		
/	3033	3085	100																		
/	3085	3135	100																		
/	3135	3185	104																		
/	3185	3235	98																		
/	3235	3285	104																		
/	3285	3335	103																		
/	3335	3385	100																		
/	3385	3435	105																		
/	3435	3485	103																		
/	3485	3535	96																		
/	3535	3585	90																		
/	3585	3635	105																		
/	3635	3685	104																		
/	3685	3735	93																		
/	3735	3785	101																		
/	3785	3835	106																		
/	3835	3885	96																		
/	3885	3935	104																		
/	3935	3985	106																		
/	3985	4035	104																		
/	4035	4085	110																		

Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or l = Alpha I Z = Alpha Z

International Geosys' ns Corporation — Geolo_ ystem — MA...N FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID OF DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 8 0 2 0 2		W1002	1 1 2	0 4	-912													9	12
I	P R J	WESTERN COPPER HOLDINGS: THERMAL EXPLORATION											WILLIAMS CREEK								

	TURN G.P.T. 000 = Collar	FROM Metres East of Datum	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

	FLAG	RECOVERY	T mOD	Mrk	ROCK	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fi	C	SC	MP	FRACTURE COUNT	1	2	Fm Int	Ti	STRUC TI ID	STRIKE AZM	DIP To Right	DZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES								SUMMART Fe	Al	ME	
U	N A M / S C L	%REC			ROCK TYPE				FOLIATION						S/F M/F								KF	CL	HE	BI	CH	MA	AZ	BO	CP	CC				
L	N A M / S C L	%ROD													LIF								SD	CL	EP			TE	PY	MT	MO				

| | FROM | TO | SAMPLE NO. | INT | RECOVERY | ROD | ACE Form n | ENV | RTQ | LC Colour | TM1 | QM1 | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

KEY	FLAG	FROM	TO	SAMPLE NO.	REC %	RQD %	ROCK TYPE	FOLIATION	STRUC ID	STRIKE A2M	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	GL	YY
K		3319					SK			F/ 50									
P		3320	3330		81%		2d					C·		C·					
L									.8 .6 .4			H·						D-	
K		3322					SK			F/ 55									
K		3324					SK			F/ 45									
K		3327					SK			F/ 45									
P		3330	3410		87%		2d		.1 .7 .1			C·		C·					
L												H·						D-	
M1		3331	3333			X	3			D/ 60									
L																			
M2		3339	3391			X	3			D/ 65									
L																			
K		3331					SK			F/ 40									
K		3336					SK			F/ 60									
P		3410	3510		63%		2d		.3 .1 .1			F—		C·					
L									.1			H·						D-	
K		3411					SK-HE-CA			F/ 210									
K		3444					SK-HE			F/ 145									
K		3441	85				SK-HE			F/ 145									
K		3451	6				SK-HE			F/ 150									
K		3451	9				SK			F/ 155									
K		3461	2				SK-HE			F/ 140									
K		3461	5				SK-HE			F/ 140									
K		3461	8				SK-HE			F/ 145									
K		3471	9				SK-HE			F/ 145									
P		3510	3610		63%		2d		1.1 .2 .6			C·		C·					
L												H·						D-	
K		3554					SK			F/ 130									
K		3571	3				SK-HE			F/ 75									
K		3594					SK-HE			F/ 160									

WESTERN COPPER HOLDINGS : THERMAL EXPLORATION — WILLIAMS CREEK

Alpha Z = Zero, One, Two, Seven, Alpha O, Alpha I, Alpha S

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata

KEY	FLAG	FORMAT VERSION / SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD / BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE / OF
I	D E N	6 8 0 2 0 2	W1002	1 1 2 0 4 - 9 1 2												1 / 1 2
I	P R J	WESTERN COPPER HOLDINGS : THERMAL EXPLORATION							WILLIAMS CREEK							

KEY	FLAG	TURN'G PT. 000=Collar	FROM Metres Last at Bottom	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S					FT						

KEY	FLAG	RECOVERY	T mod	Tr Mtr	ROCK	TYPIFYING MINS TM1 / TM2	QAL/MAT QM1	TEXTURES TX1 / TX2	GRAIN Gr / G / SC / MP	FRACTURE COUNT	Int Typ	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY / CB / MG / XX / PY	SUMMARY Pal Al Mt
/	N A M	Unit of Recov.																	
/	S C L	Unit of Length F T - 2			ROCK TYPE			FOLIATION		S/F M/F						KF	LI	HE BI CH MA AZ	BO CP CC

KEY	FLAG	M or F	RQD	AGE Form a	ENV	RTQ	LC Colour	TM1	QM1	TX1	TX2	So	Ru	Su	Orc	Int	Int Typ	Ti	STRUC2 ID	AZM	DIP To Right	KF	MU	ALTERATION & MINERALIZATION CY / CB / EP / HE / Hw Alt / PR / MO / SL / Hw Alt	Hcm1	Hcm2
L	N A M	Unit of RQD																								
L	S C L		%RQD													L/F						SI	CL	EP TE PY	MT	MO

GRAPHIC

A — Any Comp Plus or Plus = Composite, MUST or MEM or 001 – 999 — If Flag = FROM: (if 21-old = 3.5 mm. grind) Flag = TO: (any no. 01-99 as omit)

RECOVERY	SS = Sample Series No.	FROM	TO	SAMPLE NO.	INT.	A1 To / SS#	A2 From / SS#	A3 To / SS#	A4 From / SS#	A5 To / SS#	A6 From / SS#	A7 To / SS#	A8 HASH TOTAL	A9
		3160	3170		2d			.6 .7						
71.9%								0						
	K	3621 6			SK					F/ 415				
	K	3641 5			SK-HE					F/ 715				
	K	3661 3			SK					F/ 410				
	P	3170	3180		2d			.2 .3						
99%								.1						
	K	3701 9			SK-HE					F/ 315				
	K	3741 0			SK					F/ 210				
	K	3791 2			SK-HE					F/ 515				
	N1	3179 3	3179 4		3					D/ 510				
	P	3180	3190		2d			.1 .2						
96%								.1						
	K	3811 3			SK-HE					F/ 210				
	P	3190	4010		2d			.2 .6						
66%								.3						
	K	3921 0			SK-HE					F/ 515				
	K	3921 9			SK-HE					F/ 110				
	K	3971 9			SK-HE					F/ 410				
	P	4010	4110		2d			.1 .8						
72%								.5						
	K	4010 5			SK-HE					F/ 310				
	K	4011 1			SK-HE					F/ 415				
	K	4021 3			SK-HE					F/ 210				
	K	4031 7			SK-CA					F/ 415				
	K	4041 3			SK-HE					F/ 510				
	K	4061 0			SK-HE					F/ 515				
	K	4071 7			SK-HE					F/ 415				
	K	4091 3			SK-HE					F/ 315				
	K	4091 5			SK CURVED					F/ 415				

Alpha S = 0 = Zero, 1 = One, 2 = Two, 7 = Seven, Ø = Alpha O, 1 or I = Alpha I, Z = Alpha Z

International Geosystem Corporation — Geolog System — MAIN FORM — Geoform

| | | |

International Geosystems Corporation — Geolo ystem — SAM E FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

	KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID or DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
Identity Data	I	D E N	6 8 0 2 0 2		W1002	12-09-92														
	I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION									WILLIAMS CREEK								

		TURN'G PT. 000 = Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
Survey Data	S				FIT							

		FLAG		RECOVERY	T_{MOD}	Mix	ROCK	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Gr	%C	MP	FRACTURE COUNT	1	2	Inc Typ	T1	STRUC 1 ID	STRIKE AZM	Inc	DIP To Right	OZ	01	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	FY	CP	GL	YY	SUMMARY Fe	Al	ME
Upper Tier Geodata	/	N A M	Unit of Recov.																																	
	/	S C L	Unit of Length		T	.	2																															

		FLAG		M or F	RQD	ACE Form n	ENV	RTQ	LC Colour	TM1	QM2	TX2	TX1	Se	Ru	Sa	O/C	H	M	L	SI	Inc Typ	T2	STRUC 2 ID	AZM	Inc	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 3	How 2
Lower Tier Geodata	L	N A M																																				
	L	S C L	Unit of RQD																																			

GRAPHIC

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Field	Value
FLAG	DEN
FORMAT VERSION	6B02
SPEC	02
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	W1002
ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	1301-92
SIZE OF CORE OR HOLE	
GEOLOGGED YY MM DD	
BY	MH
ASST BY	
COMPLETED MM DD	
DRILLING BY	CARON
STARTED YY MM DD	92 08 12
COMPLETED MM DD	08 14
DRILLING TIME-HRS	
SURVEYED BY	
CO-ORD SYSTEM	GRID
GRID AZIMUTH	
PAGE	1
OF	1
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION
	WILLIAMS CREEK
TURN'G PT. 000 = Collar	000
FROM Marks Loc of Feature	0.
TO	
MT/FT	FT
TOTAL DEPTH/LENGTH	410.
AZM CLOCKWISE FROM TRUE N	247.
V-ANG NEG IF DOWN	-50.
HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	
NORTHING NEG IF SOUTH	
EASTING NEG IF WEST	
ELEVATION NEG IF SUB-SEA	
FLAG NAM / SCL	
Unit of Recov.	
Unit of Length	FT .2
RECOVERY	%REC
ROCK TYPE	
TYPIFYING MINS TM1 TM2	
QALMAT QM1	
TEXTURES TX1 TX2	FOLIATION
GRAIN	
FRACTURE COUNT	S/F M/F
STRUC1 ID	
STRIKE AZM	
DIP	
ALTERATION & MINERALIZATION DEFAULT SUITES	KF LI HE BI CA MA AZ BO CP CC
FLAG NAM / SCL	
M or F	
Unit of RQD	%RQD
RQD	
AGE Form n	
ENV	
RTQ	
LC Colour	
TM3	
QM3	
TX3 TX4	
GRAIN	
FRACTURE COUNT	L/F
STRUC2 ID	
AZM	
DIP	
ALTERATION & MINERALIZATION DEFAULT SUITES	KF SI CL EP TE PY MT MO
SUMMARY	
Any Zone Flag or Flag = COMpositor, MAX or MIN or 001 - 999	
If Flag = FROM or TO	
Flag = Mine	
Flag = Any no. 01-99 as defined	
RECOVERY	SS = Sample Serial No
SAMPLE NO.	INT.
HASH TOTAL	

Flag	From	To	Description
/P	0	12	NO CORE
/P	12	35	OVERBURDEN - PEBBLES & BOULDERS - VOLCANIC & GRANODIORITE
/P	35	545	OVERBURDEN - CLAY - FROZEN
S	380		250 -51
/P	545	868	6 CARMACKS VOLCANIC - SANDSTONE TO LAPILLI TUFF
L			-RED
			-LAPILLI SIZE FRAGMENTS - RED, GREY - UP TO 4CM
			-RED MATRIX
			-NON MAGNETIC TO
			545-65 FT - SAND
			75-85 FT - SAND
			54.5 FT TO 86.8 FT.
			RQD ESSENTIALLY 0% EXCEPT FOR 71-74 FT WITH 53%
			-LESS CALCITE THAN HOLE 1302-92
			-SPOTTY MODERATE EFFERVESENCE
/	55	60	30
/	60	65	40
/	65	70	88
/	70	71	30
/	71	76	55
/	76	80	25
/	80	845	60
/	845	88	62
/	88	90	15
/	90	95	104
/	95	100	64
/	100	1035	75
/	1035	105	67
/	105	110	32
/	110	115	82
/	115	120	98
/	120	125	80
/	125	130	96
/	130	1315	33
/	1315	1365	95

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	I	I	I
I	I	I	I
S	S		
/	/	/	/
L	L	L	L
A	A	A	A
H	H	H	H
F	F	F	F

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W1002	1301	-	92													2	11
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

TURN'G PT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
			FT							

FLAG		RECOVERY	T_{MOD}	Mix	ROCK TYPE	TYPIFYING MINS TM1	TM2	QALMAT QM1	TEXTURES TX1	TX2	GRAIN Fr	Cr	%C	MP	FRACTURE COUNT 1	2	Tr	STRUC1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa	Ai	Mz
N A M																																	
S C L	Unit of Recov.	%REC							FOLIATION						S/F	M/F																	
	Unit of Length F T • 2																				KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			

FLAG		M or F	RQD	AGE Form'n	ENV	RTQ	LC Colour	TM3	QM2	TX3	TX4	Sa	Rn	Sn	O/C	N	M	R	SJ	Tr	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How2	How2
N A M																																			
S C L	Unit of RQD	%RQD														L/F																			
1 2 3 4	5 6 7 8 9 10 11 12 13 14 15 16	17 18 19 20	21 22 23	24 25 26 27	28 29 30 31	32 33 34	35 36 37 38	39 40 41 42	43 44 45 46	47 48	49 50 51	52 53	54 55 56	57 58	59 60	61 62	63 64	65 66	67 68	69 70	71 72	73 74	75 76	77 78	79 80								

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999
If Flag = ... 21-68 = SS No. group
Flag = Rnd, ... any no. 01-99 as defined

FROM	TO	SAMPLE NO.	INT.	
86.8	1414		6	YELLOWISH -HIGH QUARTZ CONTENT (FREE GRAINS) -LOWER CALCITE CONTENT -LIMONITE DISSEMINATED 2% TO PERVASIVE 25+% -RED LAPILLI FRAGMENTS 5%.
1298	1322	X	6	SILICEOUS BED B/ 40 -APHANITIC SILICA AT START OF SECTION WITH 10% - RED VOLCAIC FRAGMENTS OF 1 TO 1.5 MM SIZE
1391	140	X	6	RED LAPILLI TO AGGLOMERATE SIZE FRAGMENTS -RED FRAGMENTS TO 8CM -WHITE SILICEOUS FRAGMENTS - MINOR -WHITE CALCAREOUS FRAGMENTS - TO 25 CM - 10% - 15%
1414	1426		6	RED LAPILLI TO AGGLOMERATE VOLCANIC -SAME AS 139.1 - 140 FT. -LAST 0.3 FT FINE GRAINED (ASH, ETC)
1426	1622		6	BRECCIA OF RED VOLCANIC FRAGMENTS AND GRANODIORITE FRAGMENTS WITH RED VOLCANIC MATRIX ONE GRANODIORITE FRAGMENT CONTAINS PEGMATITE AND ONE PEGMATITE FRAGMENT GRANODIORITE FRAGMENTS OFTEN EP ALTERATION OF MAFICS -LAST 4.1 FT HIGH CLAY CONTENT IN MATRIX - WEATHERED?
1622	170		2a	OR ALTERED (WEATHERED) 2d - RARE KSPAR PHENOCRYST FIRST 1 FT CLAYS - WEATHERED. 1671 - 170.2 FT FAULTED - SHEARED AND CRUMBLES EASILY
1668	1671	X	5	APLITE D/ 75

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FORMAT VERSION DEN 6 B 0 2 0 2 | SPEC | IDENTITY OF PROJECT (OR SUB-PROJECT (UNIQUE)) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER 130I-92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 1 OF 1

PRJ: WESTERN COPPER HOLDINGS ◊ THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM Marks Loc. of Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. | Unit of Length F T · 2 | RECOVERY %REC | T_MOD | % MIX | ROCK TYPE | TYPIFYING MINS TM1 TM2 | OALMAT QM1 | TEXTURES TX1 TX2 | GRAIN Fi G %C MP | FRACTURE COUNT 1 2 | Lin Typ | T1 | STRUC1 ID | STRIKE AZM | DIP To Right | QZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY | CP GL YY | SUMMARY Fe Al Mg

FOLIATION S/F M/F — KF LI HE BI CA MA AZ BO CP CC

Lower Tier Geodata: FLAG NAM SCL | Unit of R Q D %RQD | RQD | AGE Form | ENV | RTO | LC Colour | TM3 | QM2 | TX3 TX4 | Sa Ru Sh O/C | Is Im Ir S3 | Lin Typ | T2 | STRUC2 ID | AZM | DIP To Right | KF | MU | CL EP | HE | Hw Amt PR | MO SL | Hw Amt | How1 | How2

LIF — ST CL EP — CH TE PY — MT MO

GRAPHIC

Any Zone Flag or Flag = COMposite, MAX or MIN or 001 – 999 | If Flag = End of 21-66 = 55 Nos. group, Flag = Rmk say no. 01-99 as cond. | SS = Sample Serial No.

	FROM	TO	SAMPLE NO.	INT.	RECOVERY %REC	RQD %RQD	ROCK TYPE	FOLIATION	S/F	M/F	KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	CL	EP	HE	CH	TE	PY	MT	MO
	1365	1440			96																							
	1440	1445			84																							
	1445	1495			100																							
	1495	1545			98																							
	1545	1595			102																							
	1595	1645			100																							
	1645	170			85																							
	170	175			100																							
	175	178			90																							
	178	182			55																							
	182	187			96																							
	187	190			97																							
	190	195			102																							
	195	199			65																							
	199	203			43																							
	203	208			92																							
	208	213			94																							
	213	218			86																							
	218	220			95																							
P	170	180			25%		2a	WEATHERED — CRUMBLES 2.5+ 1+ HCL REACTION — WEAK 1+				P)		3= H-														
NI	1759	1770		X			1a	MODERATE BI CONTENT 1 SPECK NATIVE COPPER																2) D.				
NI2	1780	180		8			1b	MODERATE BI CONTENT																				
K	1795	182						SAND — PULVERIZED 1b TO 1a				F/ 50 ? — PROBABLE				ANGLE AT 182FT												
P	180	190			31%		1b	HCL REACTION — WEAK 1.9+ .2+ EXCEPT FOR FOLIATION COULD BE CALLED 2b WITH ASSIMILATED GNEISS				F/ 10		H+ E/		E- F/													
K	1836																											

Alpha Z = 2 | Alpha I = 1 | Alpha O = 0 | Seven = 7 | Two = 2 | One = 1 | Zero = 0 | Alpha S = 5

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: DEN 6 B 0 2 0 2 | W1002 | ID of Drillhole/Traverse: Pre-fix | Type: 30 | Number: -912 | Size of Core or Hole | Geologged: YY MM DD BY | Asst BY | Completed: MM DD | Drilling By | Started: YY MM DD | Completed: MM DD | Drilling Time-Hrs | Surveyed By | Co-ord System | Grid Azimuth | Page 4 | Of 1

PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: Turn'g Pt. 000 = Collar | From: Metric Loc of Feature | To | MT/FT: FT | Total Depth/Length | Azm | Clockwise From True N | V-Ang | Neg if Down | Hash Total = F + T + TD + Azm + V-Ang + N + E + El Not Including Any Blank Fields | Northing | Neg if South | Easting | Neg if West | Elevation | Neg if Sub-Sea

Upper Tier Geodata: Flag: NAM / SCL | Unit of Recov. | Unit of Length: FT • 2 | Recovery: %REC | T mod | % Mix | Rock Type | Typifying Mins TM1 TM2 | Qal Mat QM1 | Textures TX1 TX2 | Grain Fe | Cr | % C | MP | Fracture Count 1 2 | Int Typ | T1 | Struc1 ID | Strike Azm | Dip to Right | Dip Azm | Alteration & Mineralization Default Suites: C' CB MG XX PY CP GL YY | Summary Fa1 Au Mo1 1

Lower Tier Geodata: Flag: NAM / SCL | Unit of RQD: %RQD | M or F | RQD | Age Formation | Env | RTQ | TC Colour | TM2 | QM2 | TX3 TX4 | Sa | Bu | Sh | O/C | H | In | k | S1 | Int Typ | T2 | Struc2 ID | Azm | Dip to Right | Dip Azm | KF | MU | CL | EP | ME | Hw Amt | PR | MO | SL | Hw Amt | How1 | How2

GRAPHIC

AHF: Any Zone Flag or Flag = Composite: MAX or MIN or 001 – 999 | If Flag = FROM: 21-48 = 51 No. or TO | Flag = End: Last any no. 01-99 as desired | Recovery | SS = Sample Serial No.

| | FROM | TO | SAMPLE NO. | INT. | | |

International Geosystems Corporation — Geolog System — MAI' FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata / GRAPHIC

KEY	FLAG	FORMAT VERSION / SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD / BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2 0 2	W1002	1 3 0 1 - 9 2												5	11
I	P R J	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION							WILLIAMS CREEK								

	TURN'G PT. 000 = Collar	FROM Metres Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL = E + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING	NEG IF SOUTH	EASTING	NEG IF WEST	ELEVATION	NEG IF SUB-SEA
S	S			FIT												

	FLAG N A M / S C L		RECOVERY	T_{MOD} / T_{MRS}	ROCK TYPE	TYPIFYING MINS TM1 TM2	CALMAT OM1	TEXTURES TX1 TX2	GRAIN Fi Ci %C MP	FRACTURE COUNT 1 2	Int Typ	T1	STRUC1 ID	STRIKE AZM	Int Typ	DIP To Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MG XF PY	CP	GL	YY	SUMMARY Fa Al M2 I
Upper Tier Geodata	N A M / S C L	Unit of Recov. / Unit of Length — F T . 2	%REC		ROCK TYPE			FOLIATION		S/F M/F						KF	LI	HE BI	MA AZ	BO	CP	CC	
Lower Tier Geodata	N A M / S C L	Unit of ROD —	%ROD							L/F			STRUC2 ID	AZM			KF	MU	CL EP	TE PY	MT	MO		

	FLAG N A M / S C L	M or F Unit of ROD —	ROD	ACE Form n	ENV	RTO	LC Colour	TM3	OM3	TX3	TX4	Sa	Ra	Sn	IO/C	Ir	Ia	Ik	Il	Int Typ	T2	STRUC2 ID	AZM	Int Typ	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How$_2$	How$_1$
GRAPHIC	A H F	If Flag = N, A or M, any no. 01-99 as one no.	%ROD																							SI	CL	EP			TE	PY	MT	MO			

	FROM	TO	RECOVERY / SAMPLE NO.	%INT.	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	MASH TOTAL
			SAMPLE NO.	%INT.		A1		A2		A3		A4		A5		A6		A7	A8
	220	225	82			1		2		3		4		5		6		7	8

| | | FROM | TO | RECOVERY / SAMPLE NO. | %INT. | | | | | | | | | | | | | | | | | | |

International Geosystems Corporation — Geolog System — MAI' FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK — W1002 — 1301-92 — PAGE 6/1

Survey Data

Upper Tier Geodata

Lower Tier Geodata

GRAPHIC

FROM	TO	SAMPLE NO.	INT.	
				2356.8-236.1FT +CLAY AND SAND BANDS C/ 30
236.1	240.0		X	2d BRECCIA - SHATTERED - NOT FOLIATED, BUT IS ALTERED (CLAY) AND BROKEN - REMNANT K-SPAR PHENOCRYSTS.
240	250	55%		2d RQD IS ONLY RESULT OF CLAY HOLDING GRAINS TOGETHER. SHATTERED AND CLAY ALTERED
250	260	72%		2d SHATTERED AND CLAY ALTERATION
260	270	85%		2d SHATTERED AND CLAY ALTERATION LESS CLAY THAN PREVIOUS SECTIONS
270	280	60%		2d BRECCIA AND SHATTERED BUT WITH CLAY ALTERATION - RARE TRACE NATIVE COPPER LARGER FRAGMENTS - TO 11CM (ODD ONE) - AVG 1CM TO 3CM ALSO PEGMATITE AND APLITE FRAGMENTS. BI SERICITIZED. - WAS IN PREVIOUS SECTIONS BUT NOT AS OBVIOUS AS THIS SECTION.
280	290	5%		2d BRECCIA - LARGER FRAGMENTS 2814.3 - 2817.3FT BLACK GOUGE BETWEEN FRAGMENTS FRAGMENTS UP TO 0.4 FT 2818.1 - 2818.3FT
290	300	93%		2d BRECCIA - FRAGMENTS TO 1FT ALSO FRAGMENTS OF APLITE PEGMATITE

Z = Alpha Z; Y or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data: FLAG DEN 6 8 0 2 0 2 | IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002 | ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER 1301 - 92 | SIZE OF CORE OR HOLE | GEOLOGGED YY MM DD | BY | ASST BY | COMPLETED MM DD | DRILLING BY | STARTED YY MM DD | COMPLETED MM DD | DRILLING TIME-HRS | SURVEYED BY | CO-ORD SYSTEM | GRID AZIMUTH | PAGE 1 OF 1

WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: TURN'G PT. 000 = Collar | FROM Metres Loc of Feature | TO | MT/FT FT | TOTAL DEPTH/LENGTH | AZM | CLOCKWISE FROM TRUE N | V-ANG NEG IF DOWN | HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS | NORTHING NEG IF SOUTH | EASTING NEG IF WEST | ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL | Unit of Recov. FT .3 | Unit of Length | RECOVERY | T MOD | % MIX | ROCK TYPE | TYPIFYING MINS TM1 TM2 | QAL/MAT QM1 | TEXTURES TX1 TX2 | GRAIN Ft C/SCIMP | FRACTURE COUNT 1 2 | Int Typ | T1 | STRUC1 ID | STRIKE AZM | DIP To Right | OZ | BI | ALTERATION & MINERALIZATION DEFAULT SUITES CY CB MC XX PY | CP GL YY | SUMMARY Fa A MI

%REC — FOLIATION — S/F M/F — KF LI HE BI CA MA AZ BO CP CC

Lower Tier Geodata: FLAG NAM SCL | M or F | Unit of R Q D — %RQD | RQD | AGE Form n | ENV | RTQ | LC Colour | TM3 | QM2 | TX3 TX4 | Sa Rx Sn O/C | B W R SJ | Int Typ | T2 | STRUC2 ID | STRIKE AZM | DIP To Right | KF | MU | CL | EP | HE | Hw Amt | PR | MO | SL | Hw Amt | How1 | How2

%RQD — LF — SI CL EP CH TE PY MT MO

GRAPHIC | A H F | Any Zone Flag or Flag = COMposite MAX or MIN or 001 - 999 | If Flag = Rnd, Ch, any no. 01-99 as sent | RECOVERY SS = Sample Serial No.

FROM TO SAMPLE NO. %INT. | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | To SS# From SS# | HASH TOTAL

| | | FROM | TO | SAMPLE NO. | %INT. | | |

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Key	Flag	Format Version	Spec	Identity of Project or Sub-Project (Unique)	ID of Drillhole/Traverse Pre-Fix / Type / Number	Size of Core or Hole	Geologged YY MM DD	By	Asst By	Completed MM DD	Drilling By	Started YY MM DD	Completed MM DD	Drilling Time-Hrs	Surveyed By	Co-Ord System	Grid Azimuth	Page	Of
I	DEN	6802	02	W1002	1301-92													8	11
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

Key	Turn G.P. 000 = Collar	From Marin Loc of Feature	To	MT/FT	Total Depth/Length	AZM Clockwise from True N	V-ANG Neg if Down	Hash Total = F + T + TD + AZM + V-ANG + N + E + EL Not Including Any Blank Fields	Northing Neg if South	Easting Neg if West	Elevation Neg if Sub-Sea
S				FT							

Flag	Recovery	Rock Type	Typifying Mins	Qalmat	Textures	Grain	Fracture Count	Struc 1 ID	Strike AZM	Dip	Alteration & Mineralization Default Suites										Summary
NAM / SCL	%REC	ROCK TYPE			FOLIATION		S/F M/F				QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	
											KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

Flag	M or F	RQD	Age Form'n	Env	RTQ	LC Colour	TM3	QM3	TX3	TX4	Sa	Rn	Sh	O/C	Is	Im	Ik	Sl	Struc 2 ID	AZM	Dip	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
NAM / SCL		%RQD													L/F																		

Unit of Recov. — Unit of Length — F T • 2 — Unit of RQD — Any Zone Flag or Flag = COMposite, MAX or MIN or 001 = .999 — If Flag = Int. Col 21-68 = SS No. greater — Flag = Mine Col 1-68 = Any no. 01-99 as ordered

Flag	From	To	Recovery SS = Sample Serial No.	Int.	A1 To SS#	A2 From SS#	A3 To SS#	A4 From SS#	A5 To SS#	A6 From SS#	A7 To SS#	A8 Hash Total
/P	320	330		2b	COULD BE GNIESS		.9 .5				3)	F.
L			42%		1b BUT HAS APPEARANCE		.7			H+		D. D. D.
					OF FOLIATED UNIT 2							
					PY & NATIVE CU RARE							
K	3204				SK-HE			F/	55		F/	
K	3214				SK-HE			F/	40		F/	
K	3225				SK-HE			F/	50		F/	
K	3227				SK-HE			F/	70		F/	
K	3245				SK-HE			F/	35		F/	
K	3260				SK-HE-CA			F/	35		F/	F/
K	3277				SK-HE-CA			F/	25		F/	F/
/P	330	340		2b	SAME AS	317.3-330	1.8 .2				3)	F(
L			62%				.3				H)	D. D-
					AT 334.1 - DISSEMINATED NATIVE COPPER IN SILICEOUS MATERIAL							
					- IF CU IS INTRODUCED IN DETRITAL PEBBLES AS INDICATED							
					BY PEBBLE AT 315.7 THEN GRANODIORITE AS AT 334.1							
					MAY BE METASOMATISED GNEISS OR HAVE ASSIMILATED							
					GNEISS							
K	3307				SK-HE			F/	35		F/	
K	3337				SK-CA			F/	60			F/
K	3345				SK-HE			F/	30		F/	
K	3358				SK-HE			F/	55		F/	
K	3371				SK-HE			F/	65		F/	
K	3388				SK-HE			F/	25		F/	
/P	340	350		2b	SAME AS	317.3-340	1.5 .6				3)	F(
L			55%				.5			H+		D. D.
K	3418				SK-HE			F/	20		F/	
K	3425				SK-HE			F/	50		F/	
K	3436				SK-HE			F/	20		F/	
K	3450				SK-HE			F/	20		F/	
K	3466				SK-HE			F/	45		F/	
K	3498				SK-HE			F/	55		C/	

Z = Alpha Z; I or I = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
FLAG: DEN 6 B 0 2 0 2	FLAG: PRJ	FLAG: NAM / SCL	FLAG: NAM / SCL
FORMAT VERSION: 6 B 0 2 0 2	TURN'G PT. 000 = Collar	Unit of Recov.	Unit of R.Q.D.
IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002	FROM: Metres Loc of Feature	RECOVERY: %REC	RQD: %RQD
ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER: 130 -92	TO	ROCK TYPE	AGE Form n
SIZE OF CORE OR HOLE	MT/FT: FT	TEXTURES: FOLIATION	ENV / RTQ
GEOLOGGED YY MM DD BY	TOTAL DEPTH/LENGTH	GRAIN	LC Colour
ASST BY	AZM CLOCKWISE FROM TRUE N	FRACTURE COUNT: S/F M/F	TM3
COMPLETED MM DD	V-ANG NEG IF DOWN	L/F	QM3
DRILLING BY	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	STRUC1 ID	TX1 TX2
STARTED YY MM DD	NORTHING NEG IF SOUTH	STRUC2 ID	TX3 TX4
COMPLETED MM DD	EASTING NEG IF WEST	STRIKE AZM	AZM
DRILLING TIME-HRS	ELEVATION NEG IF SUB-SEA	DIP To Right	DIP To Right
SURVEYED BY		ALTERATION & MINERALIZATION DEFAULT SUITES: KF LI HE BI CA MA AZ BO CP CC	KF MU CL EP HE PR MO SL
CO-ORD SYSTEM		SI CL EP CU TE PY MT MO	
GRID AZIMUTH			
PAGE OF: 9 / 11			

WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION — WILLIAMS CREEK

FROM	TO	RECOVERY	SAMPLE NO.	INT.							
365	370	96									
370	375	101									
375	380	102									
380	385	100									
385	390	100									
390	395	99									
395	400	103									
400	405	103									
405	410	95									
350	360	71%		2b	SAME AS 317.3-350 FT	.9 .3 .1	H=H)	2=	F*	D. D. D- D.	
					350.7 - TRACE BO, MO						
					PROGRESSIVELY STRONGER SHEARING DOWN SECTION —						
					STRONGER CLAY ALTERATION (PERVASIVE) —						
					MAFICS COMPLETELY ALTERED TO EPIDOTE —						
					HEMATITE PERVASIVE AND FRACTURE FILLING						
358	359		X	2b	WITH 80% GOUGE					D-	
359	360		X	2b	VERY SHEARED - 20% GOUGE					D-	
360	370	55%		2d	HCL REACTION - MOD	.7 0 .4	H+H*	3+	F)	D-	
					SHATTERED APPEARANCE						
360	362.5		X	2b	VERY SHEARED - 20% GOUGE					D. D-	
361.9	362.5		X	2b	90% GOUGE					D- D.	
362.5						C/ 50					
367.9			SK-HE			F/ 65		F/			
369.1			SK-HE			F/ 25		F/			
370	380	90%		2d	SHATTERED APPEARANCE	.6 .4 .1	H)	3+ 4-	F)	D-	
					HCL REACTION - MOD						
374.8			SK-HE			F/ 35		F/			
378.9			SK-HE			F/ 35		F/			

Z = Alpha Z; I or i = Alpha I; Ø = Alpha O; 7 = Seven; 2 = Two; 1 = One; 0 = Zero; S = Alpha S

International Geosystems Corporation — Geolog System — MAI FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 8 0 2	0 2	W1002	301		-92													10	11
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION											WILLIAMS CREEK								

TURN GPT. 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S			FT							

FLAG		RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN Fr Cr %C MP	FRACTURE COUNT 1 2	Fm Typ	Ti	STRUC1 ID	STRIKE AZM	DIP To Right	ALTERATION & MINERALIZATION DEFAULT SUITES QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fa Al Mz
N A M / S C L	Unit of Recov. / Unit of Length FT 2	%REC						FOLIATION		S/F M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

FLAG		RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM2	TX3	TX4	Sh	Rn	Sh	Q/C	H	M	L	Sl	Fm Typ	Ti	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
N A M / S C L	M or F / Unit of RQD	%RQD													L/F									SI	CL	EP		CU	TE	PY	MT	MO		

Any Zone Flag or Flag = COMposite MAX or MIN or 001 – 999; If Flag = 21-68 = S.S. No. group; Flag = Mine Level; Flag = any no. 01-99 as defined

		FROM	TO	RECOVERY SAMPLE NO.	SS = Sample Serial No. INT.	To SS #	From SS #	To SS #	From SS #	To SS #	From SS #	To SS #	HASH TOTAL
/	P	380	390		2d	STRONGLY SHATTERED	1.7.2						3+ F)
L				45%		APPEARANCE	.3					H*	H- D-
						HCL REACTION- MOD.							
K		3803				SK-HE-CA			F/	25			F/ F/
K		3819				SK			F/	90			
K		3829				SK			F/	25			
K		3833				SK			F/	85			
/	N1	3862	3878		8 DYKE?	APHANITIC-DARK GREEN-MOD. SOFT							
L						10% GOUGE; CALCAREOUS			C/	55			
						GOUGE AT CONTACTS							
/	AN1	3890	38975		X DYKE?	7% GOUGE			C/	75			
L						GOUGE AT CONTACTS							
/	P	390	400		2d	SHATTERED APPEARANCE	1.9.2						31 3+
L				72%		INCREASING CLAY	.1						
						ALTERATION DOWN SECTION							
						HCL REACTION-MOD.							
K		3930	3931		GOUGE				F/				
K		3948	39505		GOUGE				F/				
/	N1	3931	4017		X 1b or 2d- VERY STRONGLY								F+ F) D.
L						FAULTED & ALTERED-FOLDING						P1	D-
/	N2	39505	3962		X MYLONITE	FAULT(?) APHANITIC							3+
L						MOD SOFT-SHEARED							
						MYLONITE							
/	P	400	410		2d	STRONGLY SHATTERED	1.5.8						F) J2
L				35%			.6						H- D(
/	N1	400	4017		X 1b or 2d								
L													
K		3995	4017			SK-HE			F/	10			F/
K		4040				SK-HE			F/	20			F/
K		4075				SK-HE			F/	55			F/
K		4082				SK-HE			F/	35			F/
K		4082	4094			SK-HE VARIABLE ANGLE			F/	20			F/
K		4096				SK-HE			F/	55			F/

S = Alpha S; 0 = Zero; 1 = One; 2 = Two; 7 = Seven; Ø = Alpha O; I or I = Alpha I; Z = Alpha Z

International Geosystems Corporation — Geolog System — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data / Survey Data / Upper Tier Geodata / Lower Tier Geodata

KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	D E N	6 B 0 2	0 2	W1002	130	1+	92				RC									1	1
I	P R J	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

KEY	TURN'G PT. 000 = Collar	FROM (Metric Loc of Feature)	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

FLAG	RECOVERY	T_{MOD}	Mix	ROCK	TYPIFYING MINS TM1	TM2	OALMAT OM1	TEXTURES TX1	TX2	GRAIN Fr	C*	TC	MP	FRACTURE COUNT	1	2	Im Typ	T_1	STRUC1 ID	STRIKE AZM	Dip Dir	DIP to Right	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	XZ	PY	CP	GL	YY	SUMMARY Fa	Au	M_2	1
N A M																																				
S C L	Unit of Recov.																																			
	Unit of Length	T = 1																																		

FLAG	M or F	ROD	AGE Form n	ENV	RTQ	TC Colour	TM3	OM2	TX3	TX4	Se	Bw	Sh	O_f/C	N	Im	L	SJ	Im Typ	T_2	STRUC2 ID	AZM	Dip Dir	DIP to Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How_1	How_2
N A M																																			
S C L	Unit of R.Q.D.																																		

GRAPHIC

A — Any Zone Flag or Flag = COMments in AZ or MAG or 001 – 999
H — If Flag = 21-68 = 55 No. group
F — Flag identifies any no. 01-99 as defined

FROM	TO	SAMPLE NO.	INT.	A1 From / To	55 # 1	A2 From / To	55 # 2	A3 From / To	55 # 3	A4 From / To	55 # 4	A5 From / To	55 # 5	A6 From / To	55 # 6	A7 From / To	55 # 7	A8 HASH TOTAL	8	A9	9
					RECOVERY		55 # Sample Serial No.														
K H/W 170	1759	544501	5.9																		
1759	1769	544502	1.1																		
K F/W 1769	180	544503	3.1																		
180	190	544504	10																		
A SAM 190	1933	544505	13.3																		
1933	1952	544506	1.9																		
1952	199	544507	4.8																		
199	2028	544508	13.8																		
2028	208	544509	5.2																		
208	218	544510	10																		
218	2225	544511	4.5																		
2225	230	544512	7.5																		
230	240	544513	10																		
240	250	544514	10																		
250	260	544515	10																		
260	270	544516	10																		
270	280	544517	10																		
280	290	544518	10																		
290	300	544519	10																		
300	310	544520	10																		
310	313	544521	3																		
313	3144	544522	1.4																		
3144	3155	544523	1.1																		
3155	3158	544524	.3																		
3158	3173	544525	1.5																		
3173	320	544526	2.7																		
320	330	544527	10																		
330	340	544528	10																		
340	350	544529	10																		
350	358	544530	8																		
358	360	544531	2																		
360	3625	544532	2.5																		
3625	370	544533	7.5																		
370	380	544534	10																		
380	390	544535	10																		
390	393	544536	3																		
393	4017	544537	8.7																		
4017	410	544538	8.3																		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

S = Alpha S 0 = Zero 1 = One 2 = Two 7 = Seven Ø = Alpha O I or l = Alpha I Z = Alpha Z

International Geosystems Corporation — Geosystem — SAMPLE FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data — Survey Data — Upper Tier Geodata — Lower Tier Geodata — GRAPHIC

1 KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2 0 2		W1002	1301		+92				RC									1	1
I	PRJ	WESTERN COPPER HOLDINGS ÷ THERMAL EXPLORATION											WILLIAMS CREEK								

S	S	FLAG	FROM Marks bot. of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
		TURN C PT 000 = Collar			F.T							

FLAG	RECOVERY	T_{MOD}	% Mrk	ROCK	TYPIFYING MINS TM1	TM2	QAL/MAT QM1	TEXTURES TX1	TX2	GRAIN Fx	Cx	%C	MP	FRACTURE COUNT	1	2	Int Typ	T_1	STRUC 1 ID	STRIKE AZM	DIP To Right	CZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MG	XX	PY	CP	CL	YY	SUMMARY Fx	Al	Mz	1
NAM SCL	Unit of Recov.	Unit of Length																																	

FLAG	M or F	RQD	ACE Form n	ENV	RTO	LC Colour	TM1	QM1	TX1	TX2	Sx	Rx	Sh	%C	fx	Int	k	Sl	Int Typ	T_2	STRUC 2 ID	AZM	DIP To Right	XF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 3
NAM SCL	Unit of RQD																																		

	FROM	TO	RECOVERY	SAMPLE NO.	INT.
K	H/W	1170.0	1175.9	54450 1	5.9
		1175.9	1176.9	5002	1.0
K	F/W	1176.9	1180.0	5003	3.1
		1180.0	1190.0	5004	10.0
A	SAM	1190.0	1193.3	5005	3.3
		1193.3	1195.2	5006	1.9
		1195.2	1199.0	5007	3.8
		1199.0	1202.8	5008	3.8
		1202.8	1208.0	5009	5.2
		1208.0	1218.0	5010	10.0
		1218.0	1222.5	5011	4.5
		1222.5	1230.0	5012	7.5
		1230.0	1240.0	5013	10.0
		1240.0	1250.0	5014	10.0
		1250.0	1260.0	5015	10.0
		1260.0	1270.0	5016	10.0
		1270.0	1280.0	5017	10.0
		1280.0	1290.0	5018	10.0
		1290.0	1300.0	5019	10.0
		1300.0	1310.0	5020	10.0
		1310.0	1313.0	5021	3.0
		1313.0	1314.4	5022	1.4
		1314.4	1315.5	5023	1.1
		1315.5	1316.8	5024	1.3
		1316.8	1317.3	5025	0.5
		1317.3	1320.0	5026	2.7
		1320.0	1330.0	5027	10.0
		1330.0	1340.0	5028	10.0
		1340.0	1350.0	5029	10.0
		1350.0	1358.0	5030	8.0
		1358.0	1360.0	5031	2.0
		1360.0	1362.5	5032	2.5
		1362.5	1370.0	5033	7.5
		1370.0	1380.0	5034	10.0
		1380.0	1390.0	5035	10.0
		1390.0	1393.0	5036	3.0
		1393.0	1401.7	5037	8.7
		1401.7	1406.0		

International Geosys[illegible]ms Corporation Geolo[illegible]System MA[illegible]FORM Geoform

| | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	KEY	FLAG	FORM VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
	I	D E N	6 B 0 2	0 2	W1002	1 3 0 2	–	9 2													2	5
	I	P R J	WESTERN COPPER HOLDINGS – THERMAL EXPLORATION											WILLIAMS CREEK								

Survey Data	KEY	FLAG	TURN G PT 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
	S	S				FT							

Upper Tier Geodata	FLAG	N A M	S C L	Unit of Recov.	Unit of Length	F	T	2	RECOVERY	T_{MOD}	Mix	ROCK TYPE	TYPIFYING MINS TM_1	TM_2	QALMAT QM_1	TEXTURES TX_1	TX_2	GRAIN	FRACTURE COUNT	1	2	Fm Typ	T_1	STRUC1 ID	STRIKE AZM	DIP To Right	OZ	BI	CY	CB	MC	XX	PY	CP	GL	YY	SUMMARY
	/								%REC			ROCK TYPE				FOLIATION			S/F	M/F								KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

Lower Tier Geodata	FLAG	N A M	S C L	Unit of RQD	M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM_1	QM_2	TX_3	TX_4	SR	RN	SN	O/C	H	IM	N	SJ	Fm Typ	T_2	STRUC2 ID	AZM	DIP To Right	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	MOW_2	MOW_3
	L					%RQD													L/F									SI	CL	EP			TE	PY	MT	MO			

GRAPHIC: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

A: Any Core Flag or Flag = Composite, MAX or MIN or 001 – 999; If Flag = 01 – 21, 68 = S.S. Ignore; Flag = any no. 01-99 as sent

RECOVERY: SS = Sample Serial No.

	KEY	FLAG	FROM	TO	SAMPLE NO.	INT.	SS # From	SS # To	SS # From	SS # To	SS # From	SS # To	SS # From	SS # To	HASH TOTAL
	/		1135	1190		75									
	/		1190	1265		75									
	/		1265	1330		63									
	/		1330	1335		72									
	/		1335	1400		40									
	/		1400	1445		98									
	/		1445	1500		96									
	/		1500	1555		112									
	/		1555	1600		92									
	/		1600	1640		68									
	/		1640	1690		98									
	/		1690	1725		69									
	/		1725	1775		60									
	/		1775	1800		84									
	/		1800	1850		82									
	/		1850	1900		80									
	/		1900	1955		84									
	/		1955	2000		86									
	/		2000	2050		104									
	/		2050	2100		96									
	/	P	1157	1600											

CORE – SAND AND SMALL FRAGMENTS
VERY SEDIMENTARY APPEARANCE – SANDSTONE – IMMATURE
– FEW LAPILLI SIZE FRAGMENTS
– LARGE CLAY COMPONENT OVER SHORT LENGTHS
– FEWER RED FRAGMENT (VOLCANIC)
– OVERALL HAS A SLIGHT YELLOWISH BROWN TINT
– INFREQUENTLY MAGNETIC
– HIGH QUARTZ GRAIN CONTENT – UP TO 1MM
– LESS CALCITE – MORE PERVASIVE THAN VISIBLE GRAINS
– MOST GRAINS ARE ROUNDED.

	KEY	FLAG	FROM	TO	SAMPLE NO.	INT.	SS # From	SS # To	SS # From	SS # To	SS # From	SS # To	SS # From	SS # To	HASH TOTAL
	/	AP	1332	1335											
	/	AP	1400	1563											

MORE COMPETENT
MORE COMPETENT – HIGH CLAY CONTENT
– CALCITE CONTENT MODERATE – POSSIBLE CEMENT RATHER THAN INDIVIDUAL GRAINS ALTHOUGH SOME GRAINS ARE VISIBLE.

81-130

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data: FLAG DEN 6 B 0 2 02 — IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE): W1002 — ID of DRILLHOLE/TRAVERSE: 1302-92 — PAGE 3 OF 8

PRJ: WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: FROM — TO — MT/FT: FT — TOTAL DEPTH/LENGTH — AZM — V-ANG — NORTHING — EASTING — ELEVATION

Upper Tier Geodata: RECOVERY %REC — ROCK TYPE — FOLIATION — S/F M/F — KF LI HE BI CA MA AZ BO CP CC

Lower Tier Geodata: RQD %RQD — L/F — SI CL EP — TE PY MT MO

FROM	TO	SAMPLE NO.	INT.				
1567	1588	X	2c	DI MAFIC 10% - CHLORITIZED SHATTERED APPARENT FAULT CONTACTS - SK	C/ 20	H+	3-
1588	1600			10% RED VOLCANIC FRAGMENTS AND MIX (IRREGULAR CONTACT) WITH NEXT UNIT			
1600	1832		6	RED VOLCANIC (ANDESITE) BRECCIA FRAGMENTS OF GRANODIORITE - CHLORITIZED - SHEARED (2d) 10% - CALCITE GRAINS & FRACTURE FILLINGS - NOT COMMON (F-d D*)			
1832	2053		2d	SHATTERED - PROBABLE FAULT HCL REACTION - MODERATE		F) H-	3* P(
1893				SK	F/ 15		F/
1981	2053			MORE COMPETENT			
0	200	RQD ESSENTIALLY 0% & UNLIMITED FRACTURES EXCEPT 180-190 FT					
180	190	RQD 50%					
200	210	18%	2d	HCL REACTION - WEAK 2+ 1+ .6+			3* H.
2053				SK - HE (F/)	C/ 60		
2053	210	X	1f	SOFT - PROBABLE FAULT ZONE.	FL 30		3+ P+ F-
2058				SK	F/ 60		
2091				SK	F/ 10		
2092				SK	F/ 55		
2093				SK	F/ 60		

International Geosystems Corporation — Geolog System — **MAIN FORM** — Geoform

Identity Data	FLAG	FORM VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6802	02	W1002	1302-92													4	8
I	PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

Survey Data	TURN G.P.T. 000 = Collar	FROM Marks Loc of Pesture	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S				FT							

Upper Tier Geodata	FLAG	Unit of Recov. / Unit of Length	RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM1 TM2	QALMAT QM1	TEXTURES TX1 TX2	GRAIN	FRACTURE COUNT	STRUC 1 ID	STRIKE AZM	DIP	ALTERATION & MINERALIZATION DEFAULT SUITES										SUMMARY
/	NAM														QZ	BI	CY	CB	MG	XX	PY	CP	GL	YY	FA AI MI
/	SCL	Unit of Length FT 2	%REC						FOLIATION		S/F M/F				KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC	

Lower Tier Geodata	FLAG	M or F	RQD	AGE Form n	ENV	RTQ	LC Colour	TM3	QM3	TX3 TX4	SH RN SH O/C	H	STRUC 2 ID	AZM	DIP	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 1	How 2
L	NAM											L/F				SI	CL	EP			TE	PY	MT	MO			
L	SCL	Unit of RQD	%RQD																								

GRAPHIC		Any Zone Flag or Flag = COMposite, MAX or MIN or 001 - 999	RECOVERY	SS = Sample Serial No																							
A		If Flag = 01-68 or 21-68 = SS No. grouped; Flag = Any no. 01-99 as defined	FROM	TO	SAMPLE NO.	INT.	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	From	SS #	To	SS #	HASH TOTAL						
/			210	215	80																						
/			215	219.5	65																						
/			219.5	224.5	92																						
/			224.5	230	94																						
/			230	235	106																						
/			235	240	100																						
/			240	245	108																						
/			245	250	94																						
/			250	255	100																						
/			255	260	84																						
/			260	265	100																						
/			265	270	92																						
/	P		210	220			1 f	HCL REACTION - WEAK				H H					P-	F.		F-							
L					0%			SOFT OFTEN SAND OR				H						P+									
								SMALL FRAGMENTS.																			
								COMMONLY SK ON SMALL FRAGMENTS. - FAULTS 25' TO 60' TO C.A.																			
/	N1		2105	2107		X	2 a	CONTACTS SHEARED - SK								C/ 50											
L																C/ 70											
/	N2		2150	2159		X	5	ONE SPOT OF MA								D/ 40					D.						
L								9.5MM ACROSS																			
/	N3		2167	2176		X	2 a	SHEARED APPEARANCE -								C/ 30											
L								MAY HAVE BEEN 2d									P+										
/	P		220	230			1 f	HCL REACTION - WEAK				1.2+ 1.2+								F-							
L					8%							1.5+															
/	N1		220	230		3	1 c	MODERATE HB CONTENT									P(			F-							
L								BI MAY BE ALTERATION OF HB.																			
K			2231					CA FILL SK							F/ 40					F/							
K			225					SK							F/ 20												
K			2269					SK - HE (F/)							F/ 60		F/										
K			2283					SK - HE (C/)							F/ 55		C/										
K			2297					SK							F/ 30												

81-130

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data: FLAG DEN; FORMA VERSION 6 8 0 2; SPEC 0 2; IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE) W1002; ID of DRILLHOLE/TRAVERSE PRE-FIX TYPE NUMBER 1 3 0 2 - 9 2; SIZE OF CORE OR HOLE; GEOLOGGED YY MM DD BY; ASST BY; COMPLETED MM DD; DRILLING BY; STARTED YY MM DD; COMPLETED MM DD; DRILLING TIME-HRS; SURVEYED BY; CO-ORD SYSTEM; GRID AZIMUTH; PAGE 5 OF 8

PRJ WESTERN COPPER HOLDINGS - THERMAL EXPLORATION — WILLIAMS CREEK

Survey Data: TURN C PT. 000 = Collar; FROM Metres Loc of Feature; TO; MT/FT FT; TOTAL DEPTH/LENGTH; AZM CLOCKWISE FROM TRUE N; V-ANG NEG IF DOWN; HASH TOTAL = F + T + TO + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS; NORTHING NEG IF SOUTH; EASTING NEG IF WEST; ELEVATION NEG IF SUB-SEA

Upper Tier Geodata: FLAG NAM SCL; Unit of Recov.; Unit of Length F T . 2; RECOVERY %REC; ROCK TYPE; TYPIFYING MINS; QALMAT; TEXTURES; GRAIN; FRACTURE COUNT; STRUC 1 ID; STRIKE AZM; DIP Tenths; ALTERATION & MINERALIZATION DEFAULT SUITES: QZ BI CY CB MG XX PY CP GL YY; SUMMARY

FOLIATION S/F M/F — KF LI HE BI CA MA AZ BO CP CC

Lower Tier Geodata: FLAG NAM SCL; Unit of R Q D %RQD; RQD; AGE Form n; ENV; RTQ; L/F; STRUC 2 ID; AZM; DIP Tenths; KF MU CL EP HE; Hw Amt; PR; MO SL; Hw Amt; How 2; How 2

KF SI CC EP — TE PY MT MO PO

GRAPHIC

Any Zone Flag or Flag = COMPOSITE, MAX or MIN or 001 – 999; If Flag = 21-68 = SS No. group; Flag with SS Serial No. any no. 01-99 is defined

FROM	TO	RECOVERY / SAMPLE NO.	INT.	ROCK TYPE	FOLIATION	FRACTURE COUNT	STRUC 1 ID	STRIKE AZM	ALTERATION & MINERALIZATION	HASH TOTAL
230	240	27%	1 f	HCL REACTION - WEAK - A FEW MODERATE SPOTS		2+ .8 .9			3- F-	
2317	2347	X	5	TO 3 LAST 1/2 FAULTED SHEARED APPEARANCE			C/	45 F/ 25	F(	
2332	2337									
2375	240	6	5?	APHANITIC QUARTZ - GREY WITH ASSIMILATED GNEISS					D. F-	
240	250	37%	1 d	HCL REACTION - MODERATE PY INCREASES DOWN SECTION		1.9 .4 .5			1. 1- 1. F-	
240	2403	X	1 f	ASSIMILATED IN APHANITIC QUARTZ					F(	
2422				SK - HE (C/)			F/	20	C/	
2448				SK - HE (C/)			F/	15	C/	
2466				SK			F/	30		
250	260	14%	1 d	HCL REACTION - MOD (WEAK OVER UNIT 5)		1.5 1.4 .3			F* D. 1. 1(	
2513				SK			F/	10		
2517				SK			F/	80		
2523	2540	X	5	APHANITIC QUARTZ WITH BI (ASSIMILATED GNEISS. 254.0 CONTACT 80° BUT IRREGULAR			C/	40 C/ 80		
260	270	24%	1 d	HCL REACTION - WEAK		2.8 1.0 .3			F- 1(1. 1(	
2607	2610			MAJOR FAULT — GOUGE PULVERIZED ROCK			F/	40		
2640	2644	X	4				V/	40		
2677	2681	X	5?	APHANITIC QUARTZ BI 10%			D/	65		

81-130

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

Identity Data: DEN 6802 | PRJ WESTERN COPPER HOLDINGS - THERMAL EXPLORATION | WILLIAMS CREEK | W1002 | 1302-92 | PAGES 6 OF 8

Survey Data: FT

FROM	TO	RECOVERY %REC	ROCK TYPE	FOLIATION S/F M/F	KF LT HE BI CL MA AZ BO CP CC
2701	2715	102			
2715	2810	100			
2810	2815	100			
2815	2910	96			
2910	2915	102			
2915	3010	90			
3010	3015	96			
3015	3110	98			
3110	3112	52			
3112	31165	80			
31165	3210	106			
3210	3225	94			
END					

| FROM | TO | RQD %RQD | SAMPLE NO. | INT. | | | | |

International Geosystems Corporation — Geolog System — MAIN FORM — Geoform

FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILLHOLE/TRAVERSE PRE-FIX / TYPE / NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASST BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIME-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
DEN	6 B 0 2 0 2		W1002	1302-92													7	8
PRJ	WESTERN COPPER HOLDINGS - THERMAL EXPLORATION									WILLIAMS CREEK								

TURN G PT 000 = Collar	FROM Metric Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM	CLOCKWISE FROM TRUE N	V-ANG	NEG IF DOWN	HASH TOTAL N+E+T+TD+AZM+V-ANG+N+E+EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG IF SOUTH	EASTING NEG IF WEST	ELEVATION NEG IF SUB-SEA
S			FT									

FLAG	Unit of Recov.	Unit of Length	RECOVERY	T MOD	MIN	ROCK	TYPIFYING MINS TM1	TM2	QAL MAT QM1	TEXTURES TX1	TX2	GRAIN F1	C	°C	MP	FRACTURE COUNT 1	2	Im Typ	T1	STRUC 1 ID	STRIKE AZM	DIP Tenths	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES: CY	CB	MG	XX	PY	CP	GL	YY	SUMMARY Fe	Al	Mg
NAM			%REC			ROCK TYPE				FOLIATION						S/F	M/F						KF	LI	HE	BI	CA	MA	AZ	BO	CP	CC			
SCL		F T . 2														L/F							SI	CL	EP			TE	PY	MT	MO	PO			

FLAG	M or F	Unit of R Q D	RQD	ACE Form n	ENV	RTQ	LC Colour	TM1	QM1	TX3	TX4	Sa	Ra	Sm	°C	Is	In	k	S1	Im Typ	T2	STRUC 2 ID	STRIKE AZM	DIP Tenths	KF	MU	CL	EP	HE	Hw Amt1	FR	MO	SL	Hw Amt2	How1	How2
NAM			%RQD																																
SCL																L/F									SI	CL	EP			TE	PY	MT	MO	PO		

GRAPHIC	Area Zone Hlg or Flag = COMposite, MAX or MIN or 001 - 999	If Flag = COMposite: FROM	TO	RECOVERY	SAMPLE NO.	INT.	HASH TOTAL
A	Flag = Lot no. 01-99 as con't			SS = Sample Series no			

		FROM	TO	SAMPLE NO.	INT.	
P		3001	3110	20%	2d	HCL REACTION-WEAK 1.6 1.0 .1
K		30143				SK
K		30145				SK
K		30150				SK
K		30157				SK
K		30161				SK
K		30179				SK
NIL		30882	30911	X	3	
K		30917				SK
P		3110	3210		2d	HCL REACTION-WEAK
AP		31100	31137			CORE BROKEN UP MENY SK FAULT SURFACES FROM PARALLEL TO 40° TO C.A. FAULT ZONE
K		31179				SK
K		31180				SK
P		3210	3255	68%	2d	HCL REACTION WEAK .6.4 .4
K		32014				SK
K		32115				SK

						F/ 55
						F/ 45
						F/ 150
						F/ 45
						F/ 50
						F/ 45
						C/ 145
						F/ 10
						F/ 30
						F/ 30
						F/ 45
						F/ 60

	3	F.				
	H.		D.			
	F)	F-				
			D.			
	F+					
	F-	F.				
			D.			

International Geosy ms Corporation — Geolc System — **MAIN FORM** — Geoform

ENTER KEYS IN COL. 1 TO ACTIVATE ENTRIES

Identity Data	Survey Data	Upper Tier Geodata	Lower Tier Geodata
I	S	/	L

I KEY	FLAG	FORMAT VERSION	SPEC	IDENTITY OF PROJECT OR SUB-PROJECT (UNIQUE)	ID of DRILL HOLE: PRE-FIX	TYPE	NUMBER	SIZE OF CORE OR HOLE	GEOLOGGED YY MM DD	BY	ASS'T BY	COMPLETED MM DD	DRILLING BY	STARTED YY MM DD	COMPLETED MM DD	DRILLING TIMES-HRS	SURVEYED BY	CO-ORD SYSTEM	GRID AZIMUTH	PAGE	OF
I	DEN	6 B 0 2	0 2	W1002	1302		-92													8	8
I	PRJ	WESTERN COPPER HOLDINGS & THERMAL EXPLORATION											WILLIAMS CREEK								

S	TURN C PT 000 = Collar	FROM Marks Loc of Feature	TO	MT/FT	TOTAL DEPTH/LENGTH	AZM CLOCKWISE FROM TRUE N	V-ANG NEG IF DOWN	HASH TOTAL = F + T + TD + AZM + V-ANG + N + E + EL NOT INCLUDING ANY BLANK FIELDS	NORTHING NEG = SOUTH	EASTING NEG = WEST	ELEVATION NEG IF SUB-SEA
S				FT							

Upper Tier Geodata	FLAG			RECOVERY	T_{MOD}	% Mix	ROCK TYPE	TYPIFYING MINS TM1	TM2	GAL/MAT OM1	TEXTURES TX1	TX2	GRAIN	FRACTURE COUNT 1	2	STRUC1 ID	STRIKE AZM	DIP	QZ	BI	ALTERATION & MINERALIZATION DEFAULT SUITES CY	CB	MC	XA	PY	CP	GL	YY	SUMMARY
/	NAM		Unit of Recov	%REC			ROCK TYPE				FOLIATION			S/F	M/F				KF	LI	HE	BI		MA	AZ	BO	CP	CC	
/	SCL		Unit of Length F T • 2																										

Lower Tier Geodata	FLAG			M or F	RQD	AGE Form n	ENV	RTO	LC Colour	TM3	OM3	TX3	TX4	Sr	Rv	Sv	IO/C	h	lw	L	2l	STRUC2 ID	AZM	DIP	KF	MU	CL	EP	HE	Hw Amt	PR	MO	SL	Hw Amt	How 2	How 2
L	NAM		Unit of R Q D	%RQD																	L/F			SI	CL	EP			TE	PY	MT	MO			
L	SCL																																		

GRAPHIC — A / H / F

Aim Zone Flag or Flag = COMposite MAS or MIN or 001 – 999 — If Flag = Blank (Any no. 01-99 as per H 21-68 or S S No. from Flag = Blank) — SS = Sample Sequence

FROM	TO	SAMPLE NO.	INT.
2012'	2053'	925071	5.3
2172	2192	07	2
2192	2202	08	1
2202	2312	09	11
2312	2422	76	11
2422	2502	76	8
2502	2602	77	10
2602	2702	78	10
2702	2802	79	10
2802	2902	80	10
2902	2986	81	8.4
2986	3057	925098	6.1

1 = Numeric 2 = Alpha Z — Left = Alpha 1 — 5 = Alpha 0 — Right = Zero 7 = Zero — 1 = One — 0 = Zero

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01-56 92

Page Number 1
Total Pages 1
Certificate Date 28-SEP-92
Invoice No. I-9221764
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221764

SAMPLE DESCRIPTION	PREP CODE		Cu %	Cu nsul %	Au g/t	Ag g/t
544893	208	276	< 0.01	< 0.01	< 0.03	< 0.3
544894	208	276	< 0.01	< 0.01	< 0.03	< 0.3
544895	208	276	< 0.01	< 0.01	< 0.03	< 0.3
544896	208	276	0.01	< 0.01	< 0.03	< 0.3
544897	208	276	< 0.01	< 0.01	< 0.03	< 0.3
544898	208	274	< 0.01	< 0.01	< 0.03	< 0.3

CERTIFICATION

09/28/92 9:59AM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01-58-02

Page Number 1
Total Pages 1
Certificate Date 31-AUG-92
Invoice No. I-9220189
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9220189

SAMPLE DESCRIPTION	PREP CODE		Cu %
544579	208	276	0.24
544580	208	274	2.03
544581	208	276	2.33
544582	208	274	1.02
544583	208	276	1.90
544584	208	276	0.36

CERTIFICATION: _____

08/31/92 5:01PM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brookbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
510 W. HASTINGS ST., SUITE 1016
VANCOUVER, BC
V6B 1L8

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01-56-02

Page Number 1
Total Pages 1
Certificate Date: 7-OCT-92
Invoice No. I-9222338
P.O. Number :
Account

CERTIFICATE OF ANALYSIS A9222338

SAMPLE DESCRIPTION	PREP CODE	Cu nsul %	Au g/t	Ag g/t
544579	244 --	0.20	< 0.03	< 0.3
544580	244 --	1.92	2.02	31.8
544581	244 --	2.24	3.29	22.8
544582	244 --	0.98	0.21	2.4
544583	244 --	1.86	0.45	4.8
544584	244 --	0.32	< 0.03	0.5

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01 57-92

Page Number 1
Total Pages 1
Certificate Date 03-SEP-92
Invoice No. I-92203/6
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9220376

SAMPLE DESCRIPTION	PREP CODE		Cu %	Cu nsul %	Au g/t	Ag g/t
544585	208	274	0.26	0.25	< 0.03	< 0.3
544586	208	274	0.49	0.49	0.17	3.0
544587	208	274	0.07	0.02	< 0.03	0.6
544588	208	274	0.02	0.01	< 0.03	0.3
544589	208	274	1.87	1.84	0.38	6.2
544590	208	274	0.05	0.03	< 0.03	< 0.3
544591	208	274	0.28	0.19	< 0.03	< 0.3
544592	208	274	0.70	0.66	0.03	1.3
544593	208	274	1.52	1.15	0.27	3.9
544594	208	276	0.82	0.59	0.24	3.1
544595	208	276	1.42	1.20	0.31	7.3
544596	208	276	1.19	0.93	0.21	4.5
544597	208	276	1.33	1.24	0.14	2.1
544598	208	276	1.41	1.27	0.21	2.4
544599	208	276	1.47	1.26	0.24	3.4
544600	208	274	1.33	1.20	3.63	3.7
544601	208	274	0.03	0.01	< 0.03	< 0.3
544602	208	274	< 0.01	< 0.01	< 0.03	< 0.3
544603	208	274	0.19	0.05	< 0.03	0.7
544604	208	274	< 0.01	< 0.01	< 0.03	< 0.3
544605	208	274	0.17	0.10	< 0.03	0.5
544606	208	274	0.02	0.01	< 0.03	< 0.3
544607	208	274	0.86	0.83	0.21	3.9
544608	208	274	0.09	0.06	< 0.03	< 0.3
544609	208	274	0.02	< 0.01	< 0.03	< 0.3
544610	208	274	0.02	< 0.01	< 0.03	< 0.3

74 / @ 1.21

88 @ 1.15

CERTIFICATION

09/03/92 8:46PM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01 57 92

Page Number 1
Total Pages 1
Certificate Date 28-SEP-92
Invoice No. I-9221765
P.O. Number
Account

CERTIFICATE OF ANALYSIS A9221765

SAMPLE DESCRIPTION	PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544899	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544900	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544901	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544902	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544903	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544904	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544905	208 276	0.01	0.01	< 0.03	< 0.3
544906	208 276	< 0.01	< 0.01	< 0.03	< 0.3
544907	208 274	< 0.01	< 0.01	< 0.03	< 0.3
544908	208 274	0.05	0.02	< 0.03	< 0.3
544909	208 274	< 0.01	< 0.01	< 0.03	< 0.3
544910	208 274	< 0.01	< 0.01	< 0.03	< 0.3
544911	208 274	< 0.01	< 0.01	< 0.03	< 0.3
544912	208 274	< 0.01	< 0.01	< 0.03	< 0.3

CERTIFICATION:

09/28/92 10:12PM CHEMEX LABS VAN

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia Canada V7J 2C1
PHONE 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 01-58-02

Page Number 1
Total Pages 1
Certificate Date 10-SEP-92
Invoice No. I-9220682
P.O. Number :
Account :

* INTERVAL *

CERTIFICATE OF ANALYSIS A9220682

SAMPLE DESCRIPTION		PREP CODE	Cu %	Cu nsul %	Au g/t	Ag g/t
544611		208 274	0.01	< 0.01	< 0.03	< 0.3
544612		208 274	0.03	0.01	< 0.03	< 0.3
544613		208 274	0.05	0.02	< 0.03	< 0.3
544614		208 274	0.02	0.01	< 0.03	< 0.3
544615		208 274	0.06	0.04	< 0.03	< 0.3
544616	10	208 274	1.10	0.82	0.17	3.2
544617	10	208 274	1.58	0.56	0.24	3.8
544618	10	208 274	2.25	1.24	0.34	5.2
544619	10	208 274	1.20	1.04	0.45	5.6
544620	10	208 274	2.76	2.02	2.50	16.9
544621	6.7	208 274	1.82	1.52	1.30	11.4
544622	3.3	208 274	0.69	0.70	< 0.03	< 0.3
544623	5.7	208 274	0.44	0.41	0.03	< 0.3
544624	4.3	208 274	1.05	0.56	0.45	5.2
544625	10	208 274	2.00	0.74	0.31	5.8
544626	3.8	208 274	1.48	1.40	0.38	4.0
544627	6.2	208 274	0.37	0.34	< 0.03	< 0.3
544628	10	208 274	0.21	0.19	< 0.03	< 0.3
544629	10	208 274	0.34	0.32	< 0.03	< 0.3
544630	10	208 274	0.60	0.59	0.10	< 0.3
544631	3.7	208 274	0.50	0.47	< 0.03	< 0.3
544632	0.8	208 274	7.07	4.64	3.49	59.2
544633	5.5	208 274	1.99	1.92	0.96	6.7
544634	10	208 274	0.19	0.18	< 0.03	< 0.3
544635	10	208 274	0.14	0.12	< 0.03	< 0.3
544636		208 274	0.23	0.20	0.03	0.5
544637		208 274	0.21	0.19	0.07	0.4
544638		208 274	0.11	0.09	0.07	0.7
544639		208 274	0.63	0.56	0.10	1.2
544640		208 274	0.10	0.08	< 0.03	< 0.3
544641		208 274	0.18	0.15	< 0.03	< 0.3
544642		208 274	0.23	0.21	< 0.03	< 0.3
544643		208 274	1.83	1.76	0.24	< 0.3
544644		208 274	0.02	0.02	< 0.03	1.4
544645		208 274	0.28	0.23	0.27	2.4

82.8' @ 1.63
130' @ 1.30
150' @ 1.15
46.2' @ 0.70
25.6' @ .54

DRILLER ESTIMATE
1-37 69 @ .89
1-49 19.2 @ .8

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGTON (04-05-92)

Page Number 1
Total Pages 1
Certificate Date 27-AUG-92
Invoice No. I-9220053
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9220053

SAMPLE DESCRIPTION	PREP CODE		Cu %									
544539	208	274	0.03									
544540	208	276	0.25									
544541	208	276	0.25	38' @ .30								
544542	208	276	0.29									
544543	208	274	0.22									
544544	208	274	0.71									
544545	208	276	0.78									
544546	208	274	0.76	35.6' @ 0.[illegible]								
544547	208	274	0.45			68.8' @ 0.77		106.8' @ .60				
544548	208	274	0.10									
544549	208	274	0.73									
544550	208	274	0.06									
544551	208	274	0.83									
544552	208	274	1.06	33.2' @ 0.97								
544553	208	274	0.83									
544554	208	274	1.15									
544555	208	274	0.13									

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 04-05-92

Page Number 1
Total Pages 1
Certificate Date 27-SEP-92
Invoice No. I-9221762
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9221762

SAMPLE DESCRIPTION	PREP CODE		Cu %
544697	208	276	0.01
544698	208	276	0.04
544699	208	276	0.01

CERTIFICATION:

27/27/92 01:10PM CHEMEX LABS VHX-FHX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 04-06-92

Page Number 1
Total Pages 1
Certificate Date 31-AUG-92
Invoice No. I-9220190
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9220190

SAMPLE DESCRIPTION	PREP CODE		Cu %
544556	208	273	0.01
544557	208	276	0.62
544558	208	276	0.26
544559	208	276	0.01
544560	208	276	0.01
544561	208	276	0.01
544562	208	276	0.09
544563	208	276	0.04
544564	208	276	0.05
544565	208	276	0.76
544566	208	276	0.05
544567	208	276	0.02
544568	208	276	0.03
544569	208	276	< 0.01
544570	208	276	< 0.01
544571	208	276	0.29
544572	208	276	0.24
544573	208	276	0.24
544574	208	276	0.64
544575	208	274	0.34
544576	208	274	0.10
544577	208	274	0.25
544578	208	274	0.15

556 0.32

CERTIFICATION

08/31/92 3:11PM CHEMEX LABS VAX-FAX PAGE 02

08/17/92 6:37PM CHEMEX LABS VAX-FAX PAGE 02

Joan: Please pass on to Bob Ken

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 1201

Page Number 1
Total Pages 1
Certificate Date 17-AUG-92
Invoice No. I-9219309
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9219309

SAMPLE DESCRIPTION	PREP CODE		Cu %
925000	208	274	0.02
925001	208	274	0.06
925002	208	274	0.40
925003	208	274	1.17
925004	208	274	1.15
925005	208	274	0.98
925006	208	274	0.95
925007	208	274	0.31
925008	208	274	0.16
925009	208	274	1.20
925010	208	274	0.71
925011	208	274	0.80
925012	208	274	0.74
925013	208	274	0.80
925014	208	274	1.64
925015	208	274	0.63
925016	208	274	0.63
925017	208	274	0.42
925018	208	274	0.25
925019A	208	274	0.11
925019B	208	274	0.31
925021	208	274	0.13
925022	208	274	0.13
925023	208	274	0.17
925024	208	274	< 0.01

40.3' @ 1.06

-10' @ 0.55

80' @ 0.80

133.3' @ 0.85

CERTIFICATION

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 1201

Page Number 1
Total Pages 1
Certificate Date: 25-AUG-92
Invoice No. I-9219861
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9219861

SAMPLE DESCRIPTION	PREP CODE	Cu nsul %	Au oz/T	Ag oz/T
925000	244 --	0.01	0.003	< 0.01
925001	244 --	0.05	< 0.001	< 0.01
925002	244 --	0.35	0.001	0.03
925003	244 --	0.93	0.006	0.10
925004	244 --	0.66	0.006	0.12
925005	244 --	0.47	0.004	0.12
925006	244 --	0.57	0.005	0.13
925007	244 --	0.17	0.002	0.04
925008	244 --	0.08	< 0.001	0.03
925009	244 --	0.08	0.005	0.18
925010	244 --	0.03	0.005	0.11
925011	244 --	0.09	0.006	0.24
925012	244 --	0.03	0.003	0.12
925013	244 --	0.04	0.003	0.12
925014	244 --	0.05	0.008	0.24
925015	244 --	0.03	0.003	0.12
925016	244 --	0.03	< 0.001	0.07
925017	244 --	0.02	0.003	0.06
925018	244 --	0.03	0.002	0.03
925019A	244 --	0.02	< 0.001	< 0.01
925019B	244 --	0.01	< 0.001	0.04
925021	244 --	0.06	< 0.001	0.01
925022	244 --	0.02	< 0.001	< 0.01
925023	244 --	0.05	0.001	0.02
925024	244 --	< 0.01	< 0.001	< 0.01

CERTIFICATION

08/25/92 9:20PM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 1202 92

Page Number 1
Total Pages 1
Certificate Date 20-AUG-92
Invoice No. I-9219491
P.O. Number :
Account .

CERTIFICATE OF ANALYSIS A9219491

SAMPLE DESCRIPTION	PREP CODE	Cu %
925025	208 276	0.80
925026	208 276	0.86
925027	208 276	1.01
925028	208 276	0.85
925029	208 276	0.67
925030	208 276	0.71
925031	208 276	0.61
925032	208 276	0.66
925033	208 276	0.30
925034	208 276	0.03
925035	208 276	< 0.01
925036	208 276	< 0.01
925037	208 276	0.02
925038	208 276	0.01
925039	208 276	0.01
925040	208 276	< 0.01
925041	208 276	< 0.01
925042	208 276	< 0.01
925043	208 276	< 0.01
925044	208 276	0.67
925045	208 276	0.54
925046	208 276	0.43
925047	208 276	0.08
925048	208 276	0.46
925049	208 276	0.85
925050	208 276	0.02

90/0.80 } 78.6 @ 0.74

26.9 @ 0.53

CERTIFICATION _____

08/20/92 8:48PM CHEMEX LABS VAX-FAX PAGE 02

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 12-03-02

Page Number 1
Total Pages 1
Certificate Date 20-AUG-92
Invoice No. I-9219490
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9219490

SAMPLE DESCRIPTION	PREP CODE		Cu %
925051	208	276	< 0.01
925052	208	276	0.03
925053	208	276	0.67
925054	208	276	0.65
925055	208	276	0.79
925056	208	276	0.51
925057	208	276	0.25
925058	208	276	0.31
925059	208	276	0.42
925060	208	276	< 0.01
925061	208	276	< 0.01
925062	208	276	< 0.01
925063	208	276	< 0.01
925064	208	276	< 0.01
925065	208	276	< 0.01
925066	208	276	0.45
925067	208	276	0.90
925068	208	276	0.12
925069	208	276	< 0.01
925070	208	276	< 0.01

28.2 @ 0.69

14.2 @ 0.56

20 @ .68

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave. North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON (13-01-92)

Page Number 1
Total Pages 1
Certificate Date 27-AUG-92
Invoice No. I-9220054
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9220054

SAMPLE DESCRIPTION	PREP CODE		Cu %
544501	208	274	0.04
544502	208	274	0.05
544503	208	274	0.03
544504	208	276	0.02
544505	208	274	0.02
544506	208	274	0.06
544507	208	274	0.04
544508	208	274	0.01
544509	208	274	0.01
544510	208	276	0.02
544511	208	274	0.01
544512	208	274	0.01
544513	208	276	0.03
544514	208	276	0.05
544515	208	276	0.01
544516	208	276	0.01
544517	208	276	0.01
544518	208	276	0.04
544519	208	276	0.03
544520	208	276	0.08
544521	208	274	0.11
544522	208	274	0.03
544523	208	274	0.12
544524	208	274	0.46
544525	208	274	0.10
544526	208	274	0.04
544527	208	276	0.02
544528	208	276	0.02
544529	208	276	0.04
544530	208	276	0.03
544531	208	274	0.56
544532	208	274	0.67
544533	208	276	< 0.01
544534	208	276	< 0.01
544535	208	276	< 0.01
544536	208	274	< 0.01
544537	208	276	0.04
544538	208	276	< 0.01

} 4.5 @ 6.3

CERTIFICATION:

08/27/92 9:29PM CHEMEX LABS VMA PA

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave North Vancouver
British Columbia Canada V7J 2C1
PHONE 604-984-0221

To: ARCHER CATHRO & ASSOC. (1981) LTD.
ATTN: WILLIAMS CREEK PROJECT
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S0

Project : WILLIAMS CREEK
Comments: CC: KEN MCNAUGHTON 13-02-92

Page Number 1
Total Pages 1
Certificate Date 25-AUG-92
Invoice No. I-9219920
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9219920

SAMPLE DESCRIPTION	PREP CODE		Cu %
925071	208	274	0.01
925072	208	274	0.02
925073	208	274	0.02
925074	208	276	0.04
925075	208	276	0.02
925076	208	276	0.05
925077	208	276	0.03
925078	208	276	0.04
925079	208	276	0.03
925080	208	276	0.03
925081	208	276	0.04
925082	208	276	< 0.01

CERTIFICATION: _____

08/25/92 9:00PM CHEMEX LABS VAX-FAX PAGE 02