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1991
DRILLING and TRENCHING REPORT
on the ELK PROPERTY
 Similkameen Mining Division, B.C.
 Siwash Lake Area, British Columbia
 NTS: 92H-16W; Lat. 49°50'N; Long. 120°19'W
 MAY, 1992 (BC Assessment Report)
 VOLUME II: PLATES

This report consists of two volumes:

Volume I: Text & Appendices
 Volume II: Plates

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

22,368

REPORT DISTRIBUTION

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PART 2 OF 2

1991

**DRILLING AND TRENCHING REPORT
ON THE ELK PROPERTY**

Similkameen Mining Division, B.C.
Siwash Lake Area, British Columbia
Latitude 49⁰50'N; Longitude 120⁰19'W.
NTS: 92H-16W

For

FAIRFIELD MINERALS LTD.
Vancouver, British Columbia

By

W. Jakubowski, B.Sc.

CORDILLERAN ENGINEERING LTD.
1980-1055 W. Hastings St.
Vancouver, B.C. V6E 2E9

Date Submitted: June, 1992
Field Period: June 15 to November 1, 1991

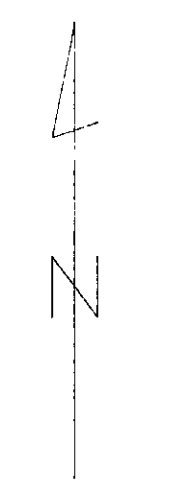
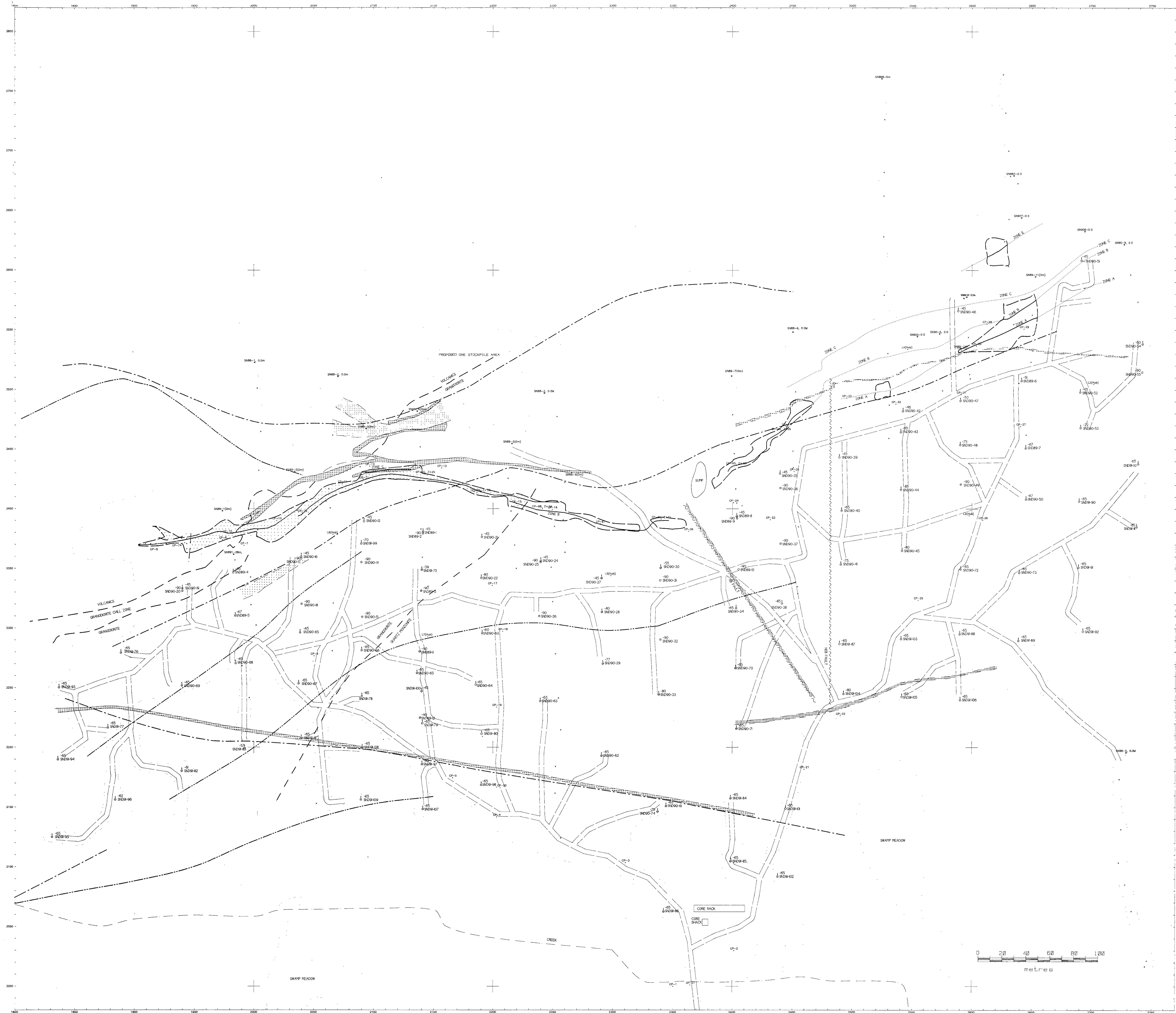
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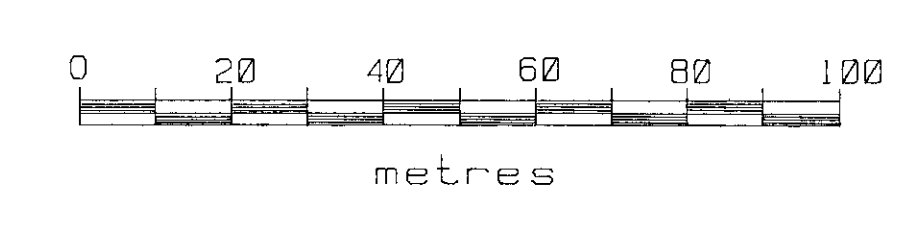
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LEGEND

- LITHOLOGY**
- TERTIARY**
 - ANDESITE DYKE: dark grayish-green to olive green, fine-grained to weakly porphyritic
 - QUARTZ VEIN PROJECTED: white to gray quartz with some interstitial calcite; 50% to 70% pyrite with lesser chlorite, pyrite, sphalerite, galena, tetrahedra; rare visible gold
 - JURASSIC**
 - OSPREY LAKE BATHOLITH
 - APLITE: pink to light gray, fine-grained, aegreous
 - GRANDDIORITE: medium to dark gray, fine to medium-grained, up to 15% biotite or hornblende
 - QUARTZ MONZONITE: light to medium pinkish gray, coarse-grained, megacrystic; up to 15% biotite or hornblende
 - TRASSIC**
 - NICOLA GROUP VOLCANICS
 - ANDESITIC VOLCANICS: dark grayish-green to near black, very fine-grained to aphanitic
- SYMBOLS**
- LITHOLOGIC CONTACT
 - FAULT OR SHEAR
 - DIAMOND DRILL HOLE COLLAR LOCATION WITH ORIENTATION AND DIP
 - TRENCH ORIGIN SURVEY POINT
 - TRENCH SURVEY POINT
 - SURVEYED TRENCH SAMPLE LOCATION
 - SURVEY CONTROL POINT
 - ROAD
 - EDGE OF STRIPPED AREA
 - EDGE OF CLEARCUT
 - VLF-EM ANOMALY
 - MAGNETIC CONTACT
 - CREEK

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
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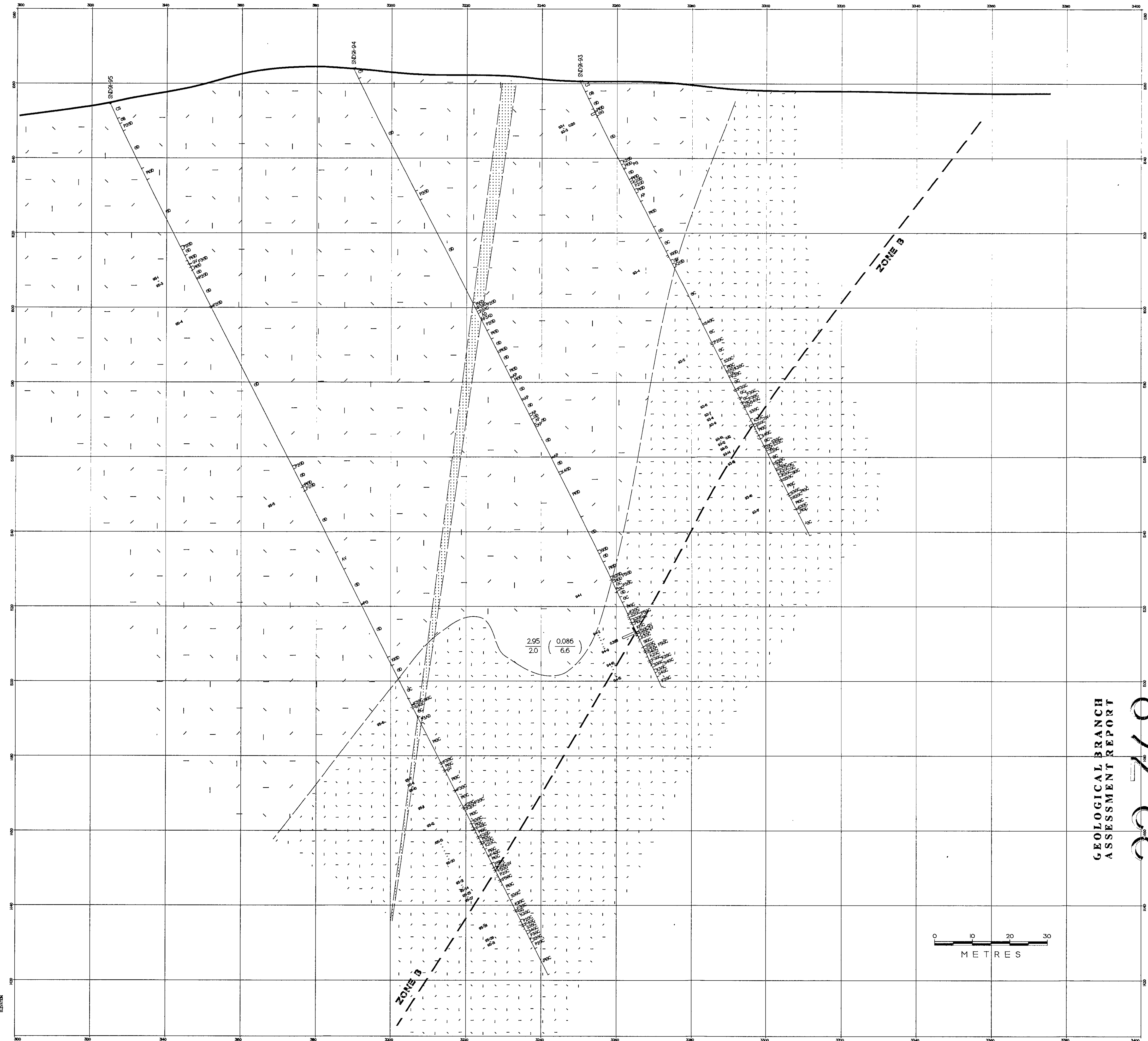
FAIRFIELD MINERALS LTD.
ELK PROPERTY
STALKMEEN MINING DIVISION, BRITISH COLUMBIA
N7S 52H 10W

**SIWASH NORTH GOLD DEPOSIT
SIWASH NORTH AREA
COMPILATION MAP**

SCALE = 1 : 1000

CORDELLERAN ENGINEERING LTD.
1958 - 1855 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E3

DRAWN BY: VJ
DATE: MARCH 1992



LEGEND

LITHOLOGY

- CS CASING
- M MISSING CORE
- OB OVERBURDEN

TERTIARY

- AD ANDESITE DYKE dark gray-green to olive green, fine-grained to weakly porphyritic
- BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
- GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
- QV QUARTZ VEN white to gray quartz with some alteration; commonly 1% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

- AP APLITE pink to light gray, fine grained, saccharic
- FP FELDSPAR PORPHYRY pink to red, medium fine-grained, K-spar rich
- GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 15% biotite or hornblende
- GD GRANODIORITE medium to dark gray, fine to medium grained up to 15% biotite or hornblende
- GR GRANITE pink to pinkish gray, quartz - K-spar rich with some hornblende
- PG PEGMATITE pink to light gray, very coarse grained to megacrystic; quartz - K-spar - muscovite rich
- QM QUARTZ MONZONITE light to medium pinkish gray, coarse grained, equigranular with up to 15% biotite or hornblende

TRASSIC

NICOLA GROUP VOLCANICS

- AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
- PV1 PORPHYRYIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
- (V2) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcocopyrite

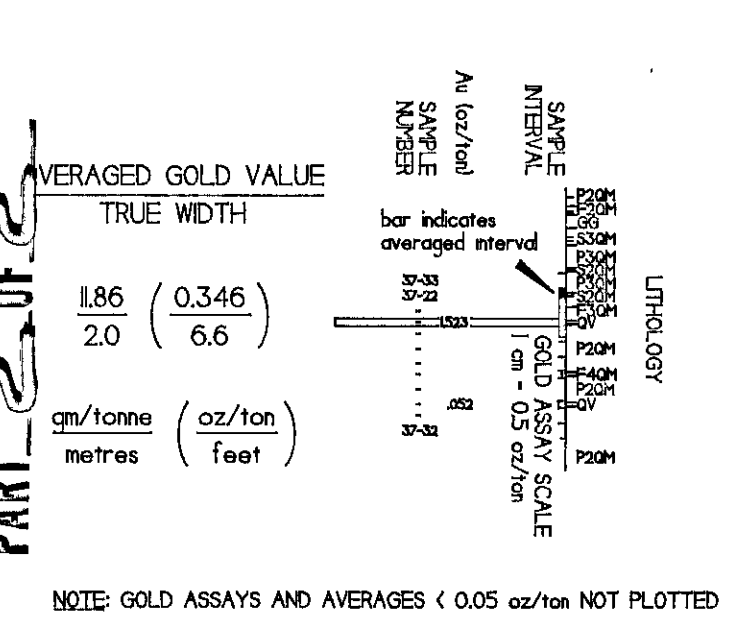
ALTERATION CODES

- Al) ARGILLIC
 - Ph) PROPYLITIC
 - Ph) PHYLIC
 - St) SERICITIC
 - PK K-spar STABLE PHYLIC
 - SK SKARN
 - Kst) POTASSIC
 - Xst) SUDICIFICATION
- (A - I TO S, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



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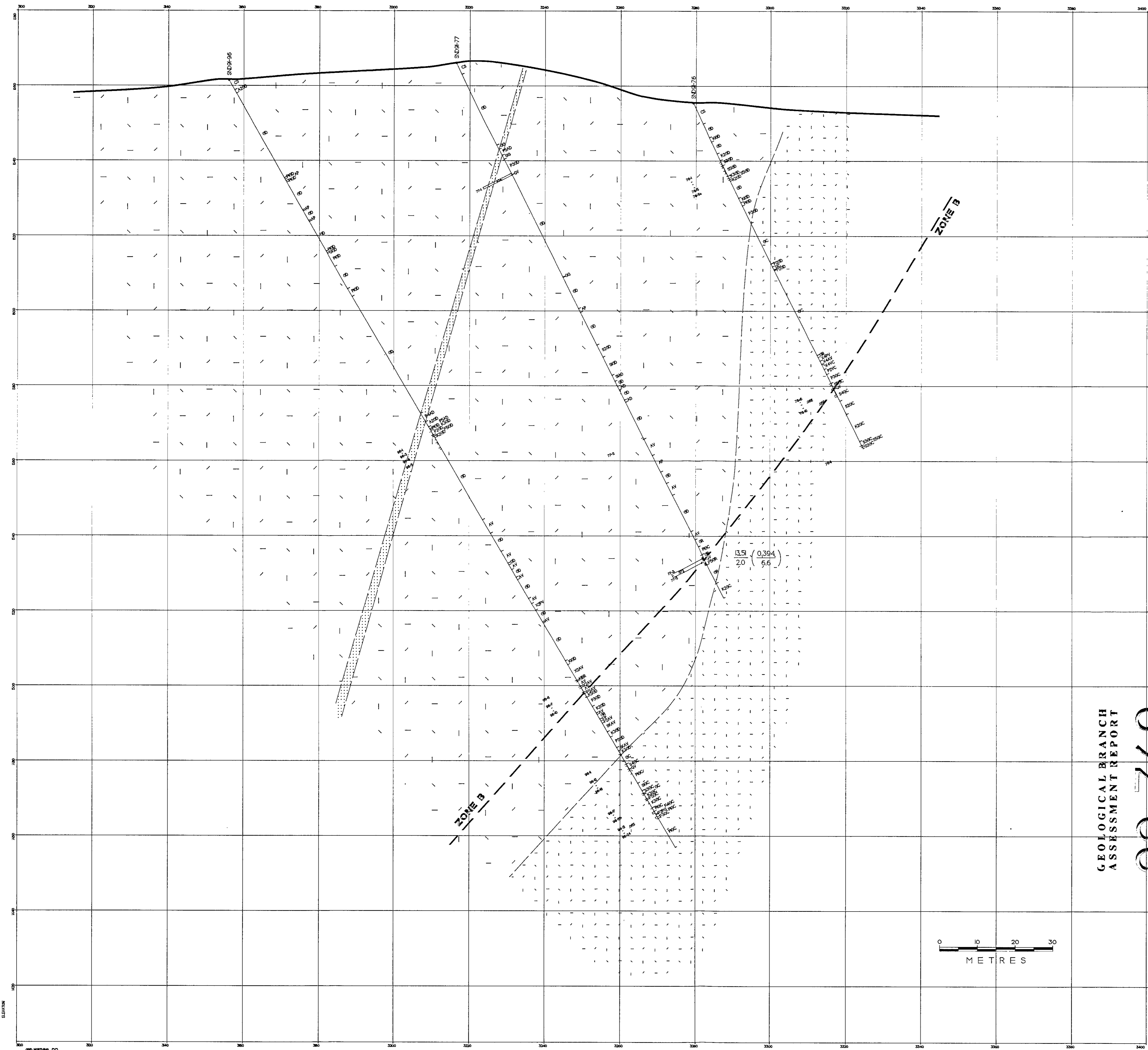
ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 1840E
SCALE: 1:500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE: APRIL 1992

PLATE : 2



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark greyish-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - OV QUARTZ VEN white to grey quartz with some alteration; commonly 2% to 20% pyrite with lesser chalcocopyrite, sphalerite, galena, tetrahedrite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANDIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANDIORITE medium to dark grey, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic; quartz - k-spar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, equigranular with up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanic
 - PV PORPHYRYIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcocopyrite

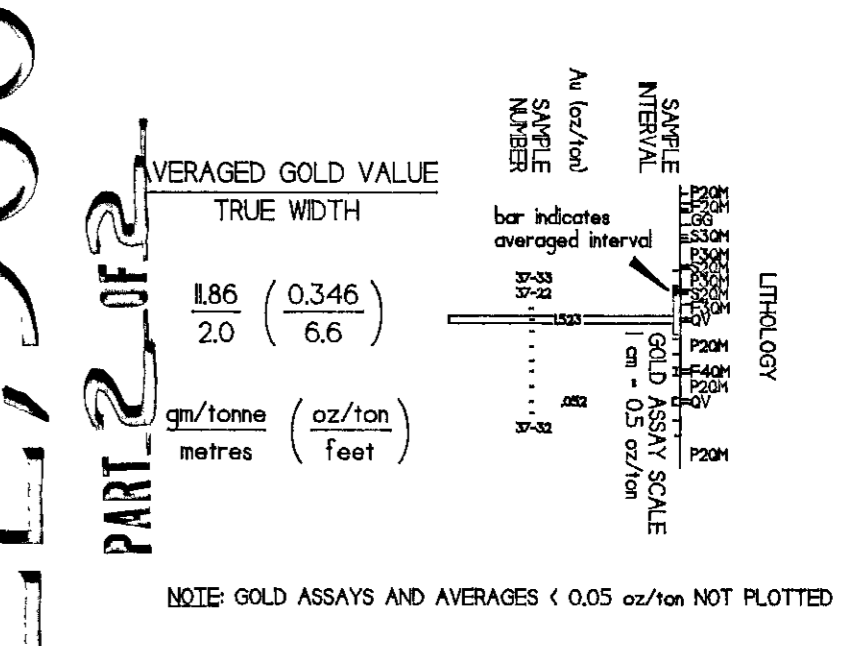
ALTERATION CODES

- | | |
|--------------------------|--------------------|
| Al) ARGILLIC | Pb) PROPYLITIC |
| Ph) PHYLIC | Sb) SERICITIC |
| Fk) K-spar STABLE PHYLIC | Sk) SKARN |
| Kst) POTASSIC | Xb) SILICIFICATION |
- (n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



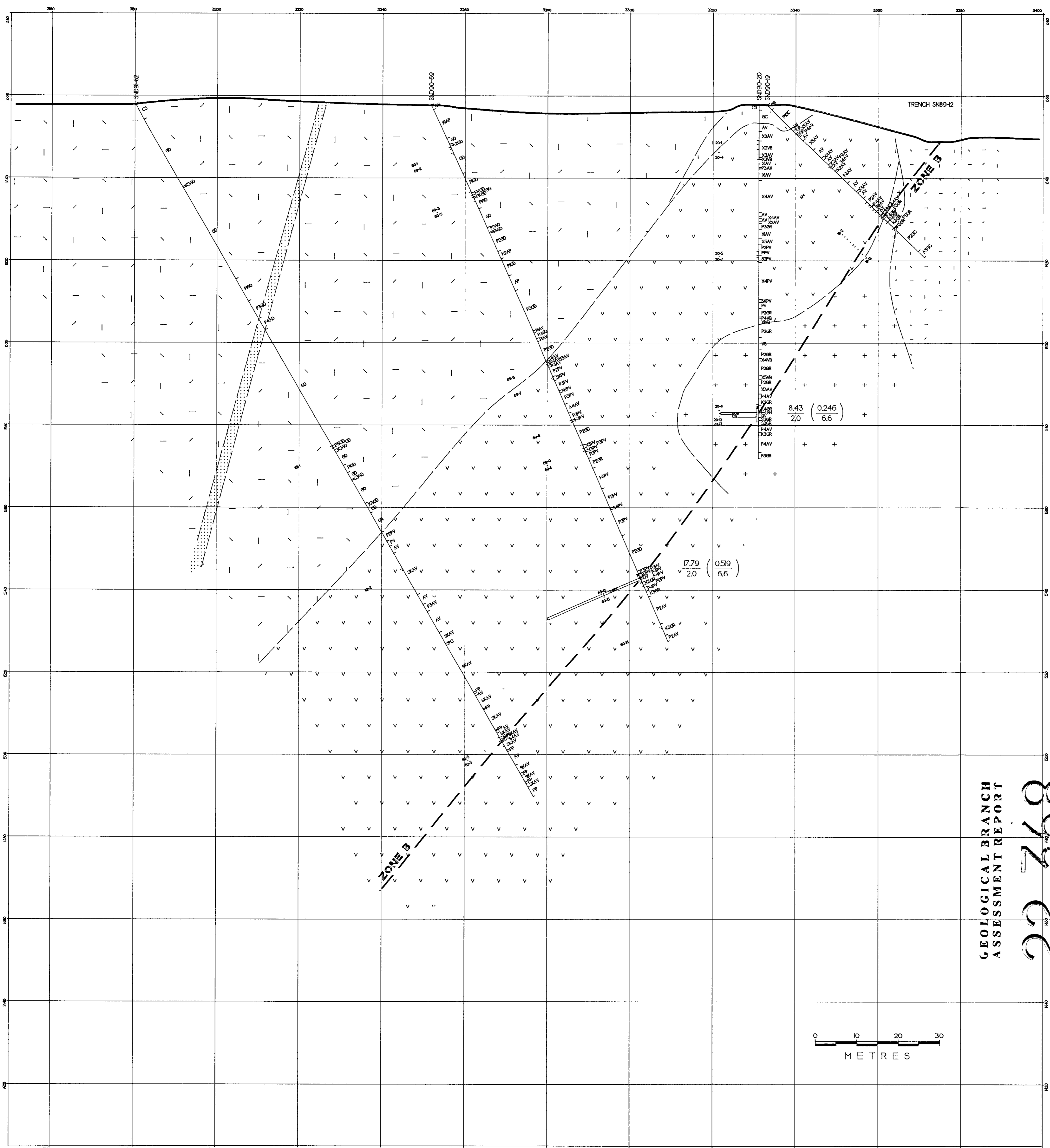
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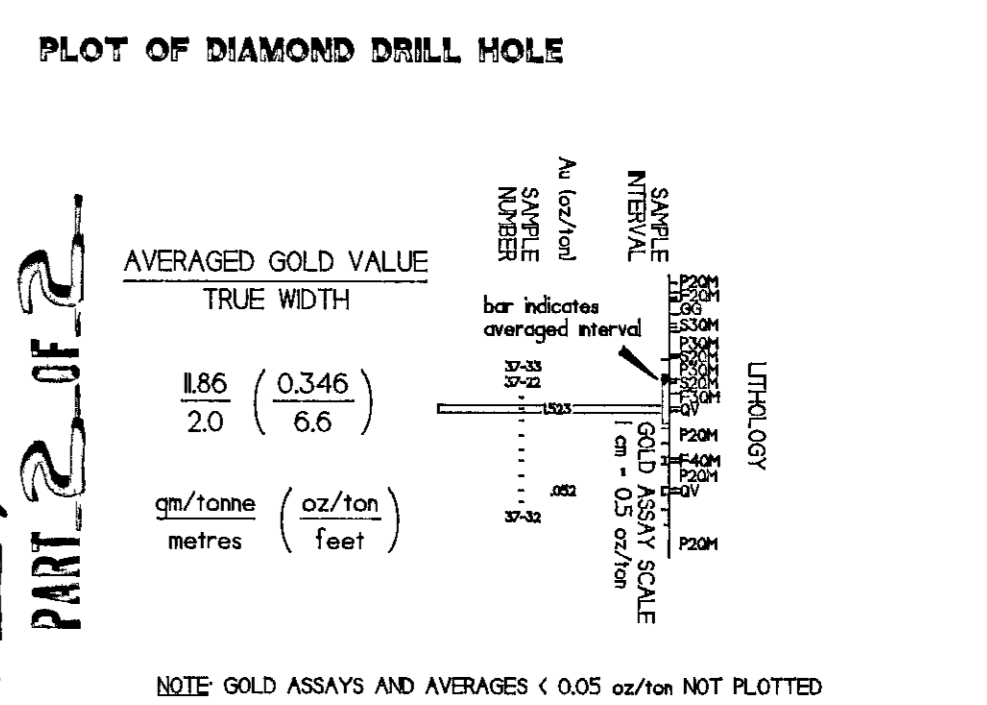


FAIRFIELD MINERALS LTD.
ELK PROPERTY SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA NTS 92H 16W
SIWASH NORTH GOLD DEPOSIT DIAMOND DRILL SECTION 1890E SCALE: 1 : 500 LOOKING WEST
CORDILLERAN ENGINEERING LTD. 1980 - 1055 WEST HASTINGS STREET VANCOUVER, BRITISH COLUMBIA V6E 2E9
DATE : APRIL, 1992 PLATE : 3



LEGEND

- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark greyish-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix, commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEIN white to grey quartz with some arseniferous; commonly 10% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, aurotic
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANDIORITE CHILL MARGIN medium to dark grey, fine grained; up to 15% biotite or hornblende
 - GD GRANDIORITE medium to dark grey, fine to medium grained; up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic; quartz - k-spar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained; equigranular with up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - PV PORPHYRITIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite
- ALTERATION CODES**
- | | | | |
|-----|----------------------|-----|----------------|
| Aal | ARGILLIC | Pil | PROPYLITIC |
| Fal | PHYLIC | Sil | SERICITIC |
| FK | K-spar STABLE PHYLIC | SK | SKARN |
| Kal | POTASSIC | Xil | SILICIFICATION |
- (n = 1 to 5, WEAK TO INTENSE)
- SYMBOLS**
- LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR



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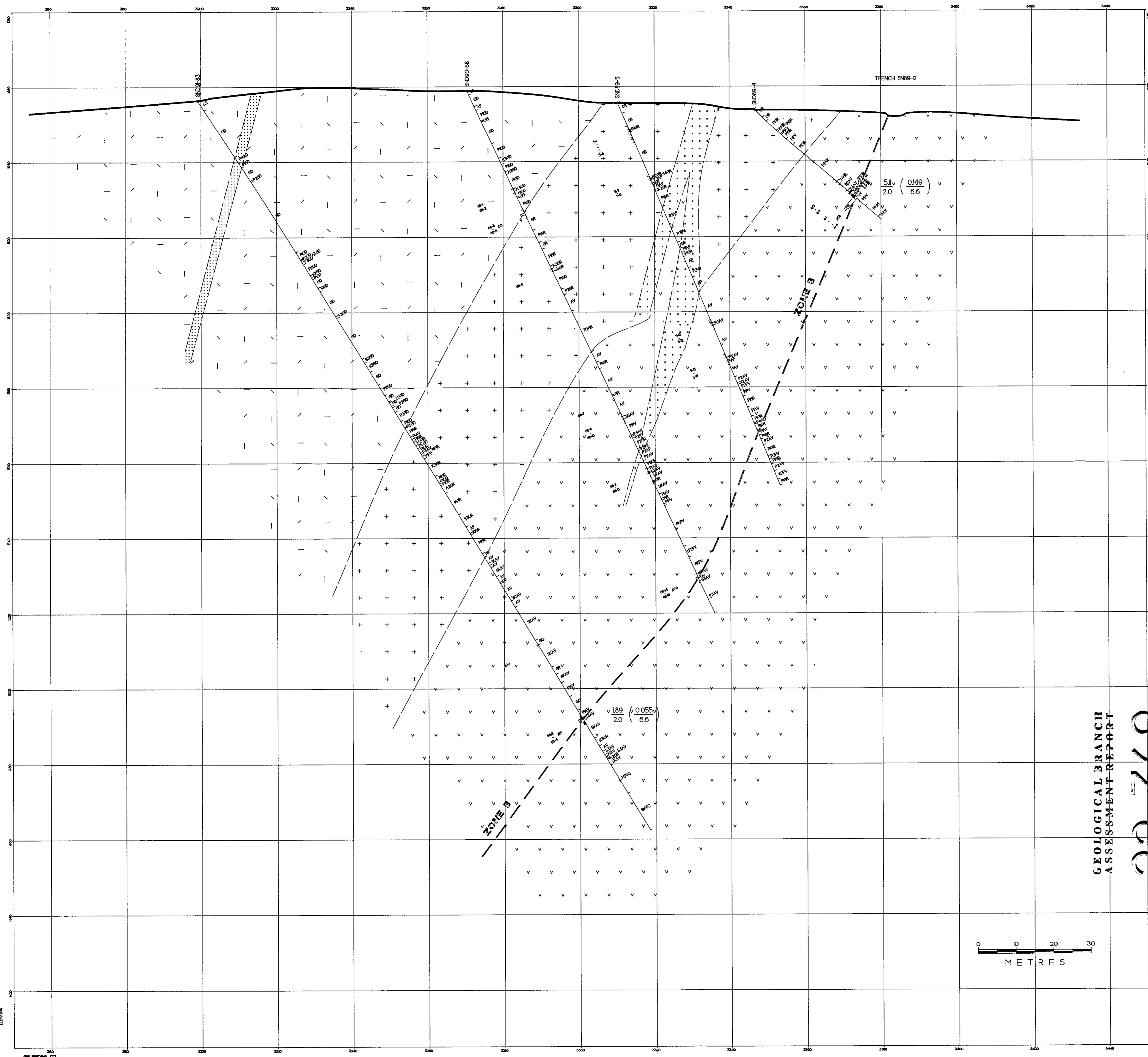


FAIRFIELD MINERALS LTD.
ELK PROPERTY
 SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 1940 E
 SCALE 1: 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
 1980 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 4

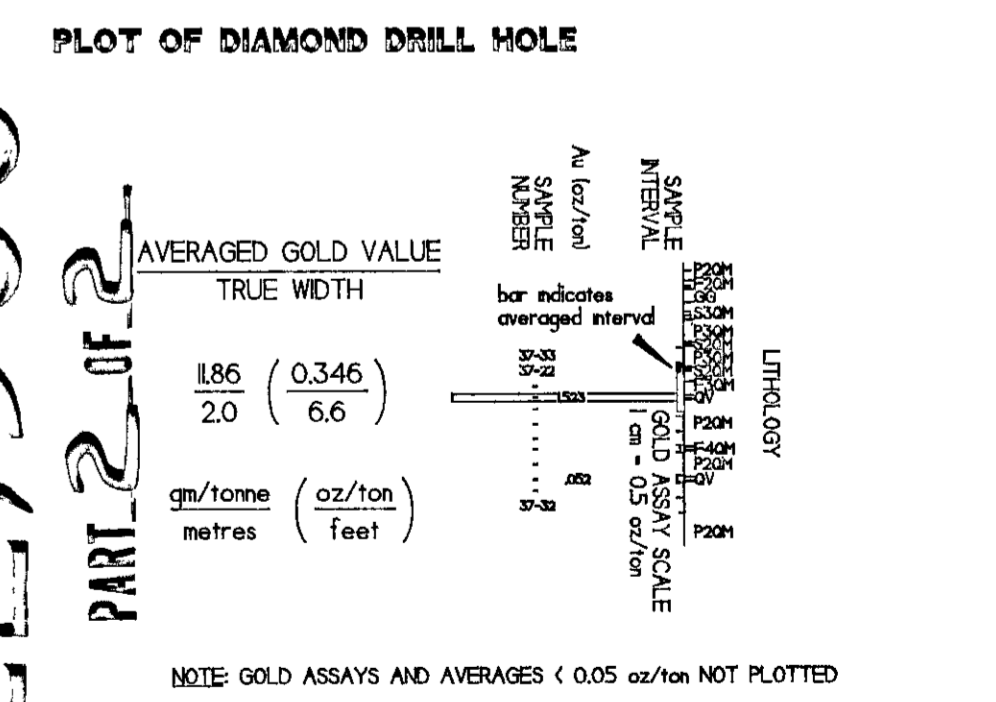


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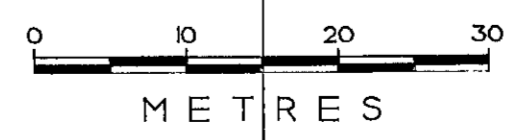
- LITHOLOGY**
- CS CASING
 - HC MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark greyish-green to olive green, fine-grained to waddy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix, commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some actinolite, commonly 10% to 20% pyrite with lesser chloropyrite, epidote, garnet, hornblende, rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light gray, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE medium to dark gray, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish gray, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish gray, coarse grained, aegirine with up to 15% biotite or hornblende
- TRIASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black very fine-grained to aphanitic
 - PV1 PORPHYRYIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - PV2 VOLCANIC BRECCIA as above: brecciated (primary) with andesitic matrix, rarely contains up to 25% pyrite - pyrrhotite - chalcocopyrite

- ALTERATION CODES**
- | | |
|--------------------------|-----------------|
| Al) ARGILLIC | Pu) PROPYLITIC |
| Ph) PHYLIC | Sa) SERPENTINE |
| Fx) K-spar STABLE PHYLIC | Sx) SKARN |
| Kw) POTASSIC | Xn) SULFICATION |
- (n = 1 to 5, WEAK TO INTENSE)

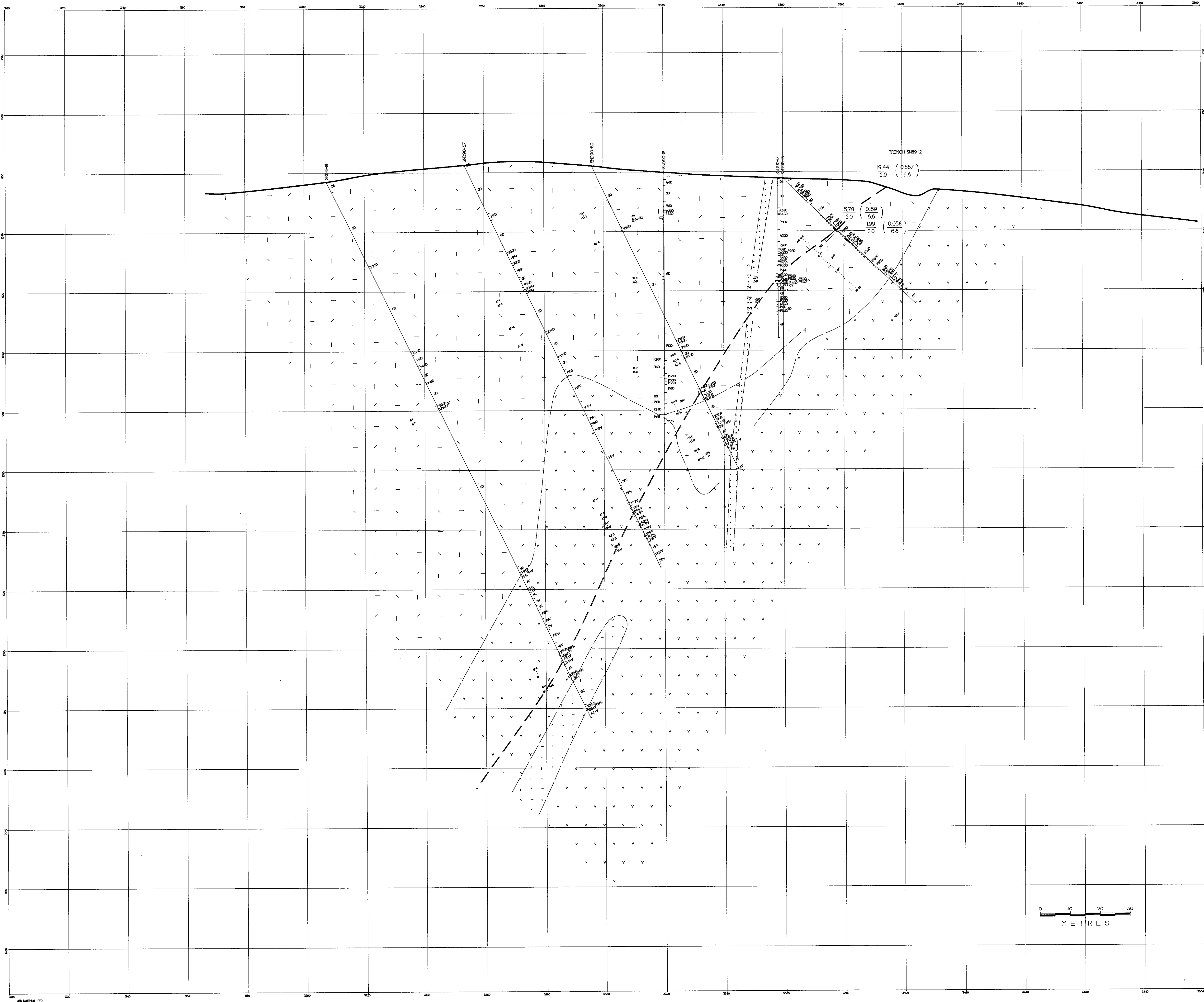
- SYMBOLS**
- LITHOLOGIC CONTACT
 - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR



GEOLOGICAL BRANCH
ASSESSMENT REPORT
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FAIRFIELD MINERALS LTD.
ELK PROPERTY
 SIMLKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W
SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 1990 E
 SCALE 1 : 500 LOOKING WEST
 CORDILLERAN ENGINEERING LTD.
 1980 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9
 DATE : APRIL, 1992 PLATE : 5

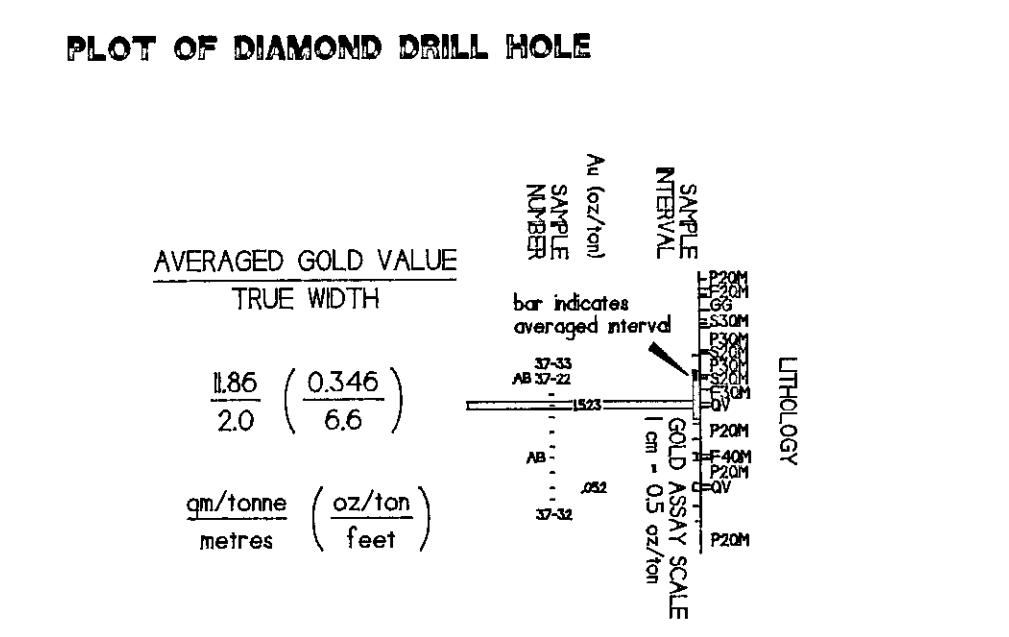


LEGEND

- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark greyish-green to olive green, fine-grained to wadly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to grey quartz with some arsenic, commonly 20% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, aegreic
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, trapor rich
 - GC GRANODIORITE CHILL MARGIN medium to dark grey, fine grained up to 5% biotite or hornblende
 - GD GRANODIORITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - trapor rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - trapor - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, upgrader with up to 5% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - IV1 PORPHYRITIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - IV2 VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

- ALTERATION CODES**
- | | | | |
|----|-------------------------|-----|-------------|
| Am | ARGILLIC | Ppl | PROPYLITIC |
| Ph | PHYLIC | Ser | SERPENTINIC |
| Pk | POTASSIUM STABLE PHYLIC | Sk | SULFIDATION |
| Km | POTASSIUM | Xm | SULFIDATION |
- (n = 1 TO 5, WEAK TO INTENSE)

- SYMBOLS**
- LITHOLOGIC CONTACT
 - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR



**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

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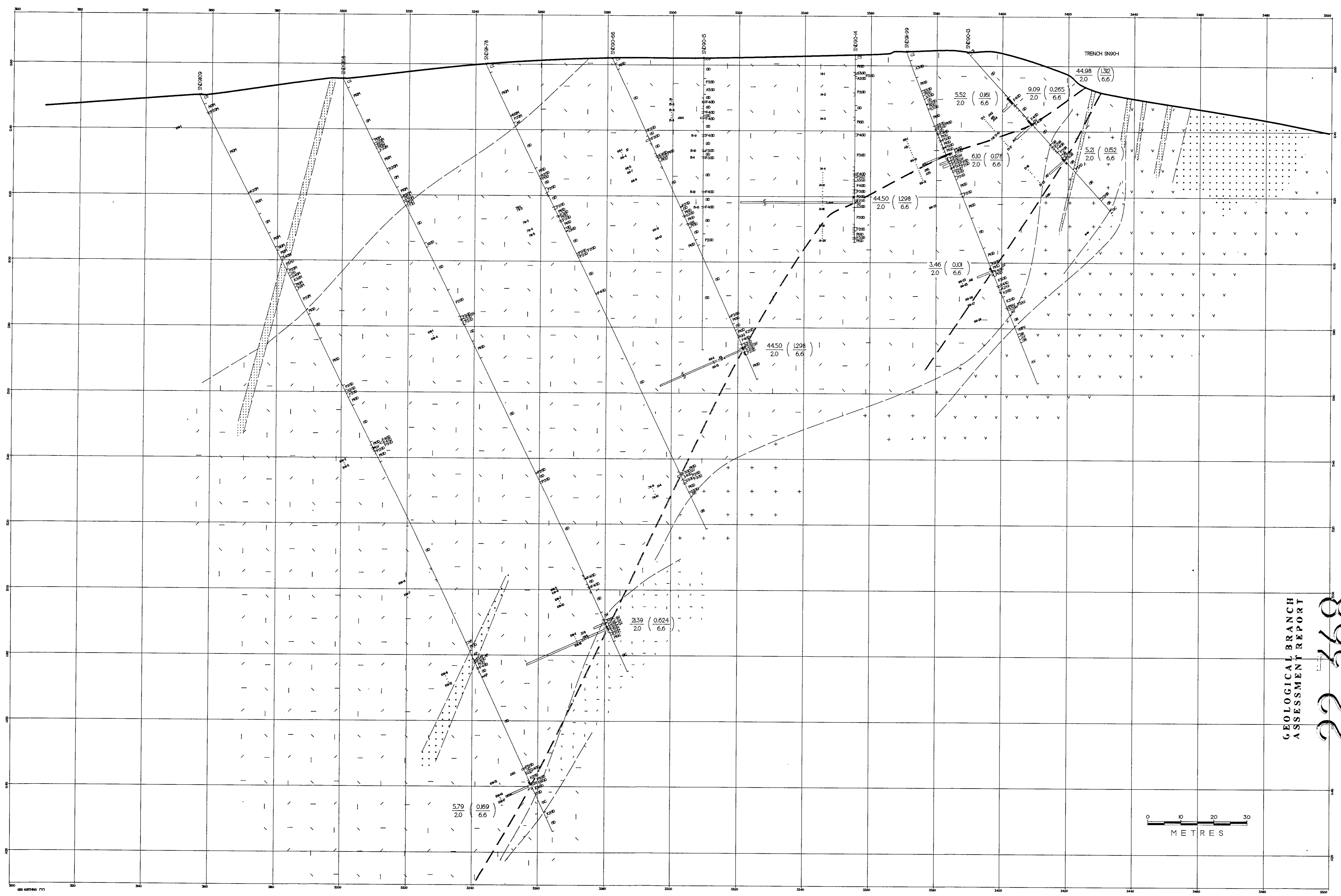
FAIRFIELD MINERALS LTD.

ELK PROPERTY
 SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
 DIAMOND DRILL SECTION 2040E
 SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
 1950 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 6



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grey-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to grey quartz with some arsenite; commonly 10% to 20% pyrite with lesser chloropyrite, epidote, opal, sericite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANDIORITE CHILL MARGON medium to dark grey, fine grained up to 5% biotite or hornblende
 - GD GRANDIORITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, euglycidic with up to 5% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - (PV) PORPHYRY VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - (BV) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix commonly up to 25% pyrite - pyrrhotite - chalcocopyrite

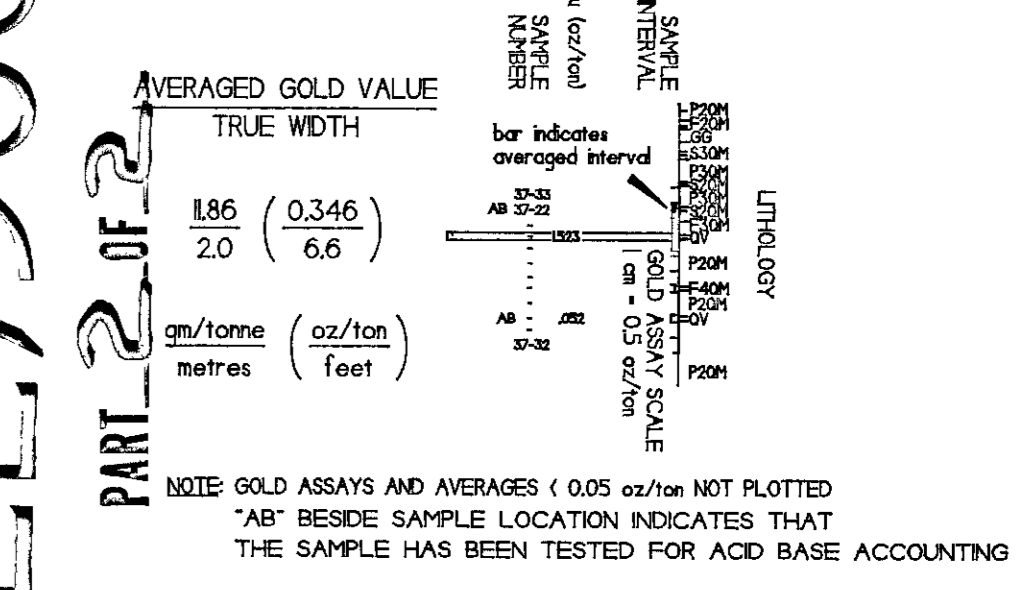
ALTERATION CODES

- A1) ARGILLIC
 - A2) PHYLIC
 - A3) K-SPAR STABLE PHYLIC
 - A4) POTASSIC
 - A5) PROPYLITIC
 - A6) SERICITIC
 - A7) SKARN
 - A8) SULFIDATION
- (n = 1 TO 5, WEAK TO INTENSE)

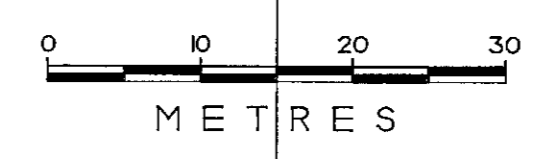
SYMBOLS

- LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

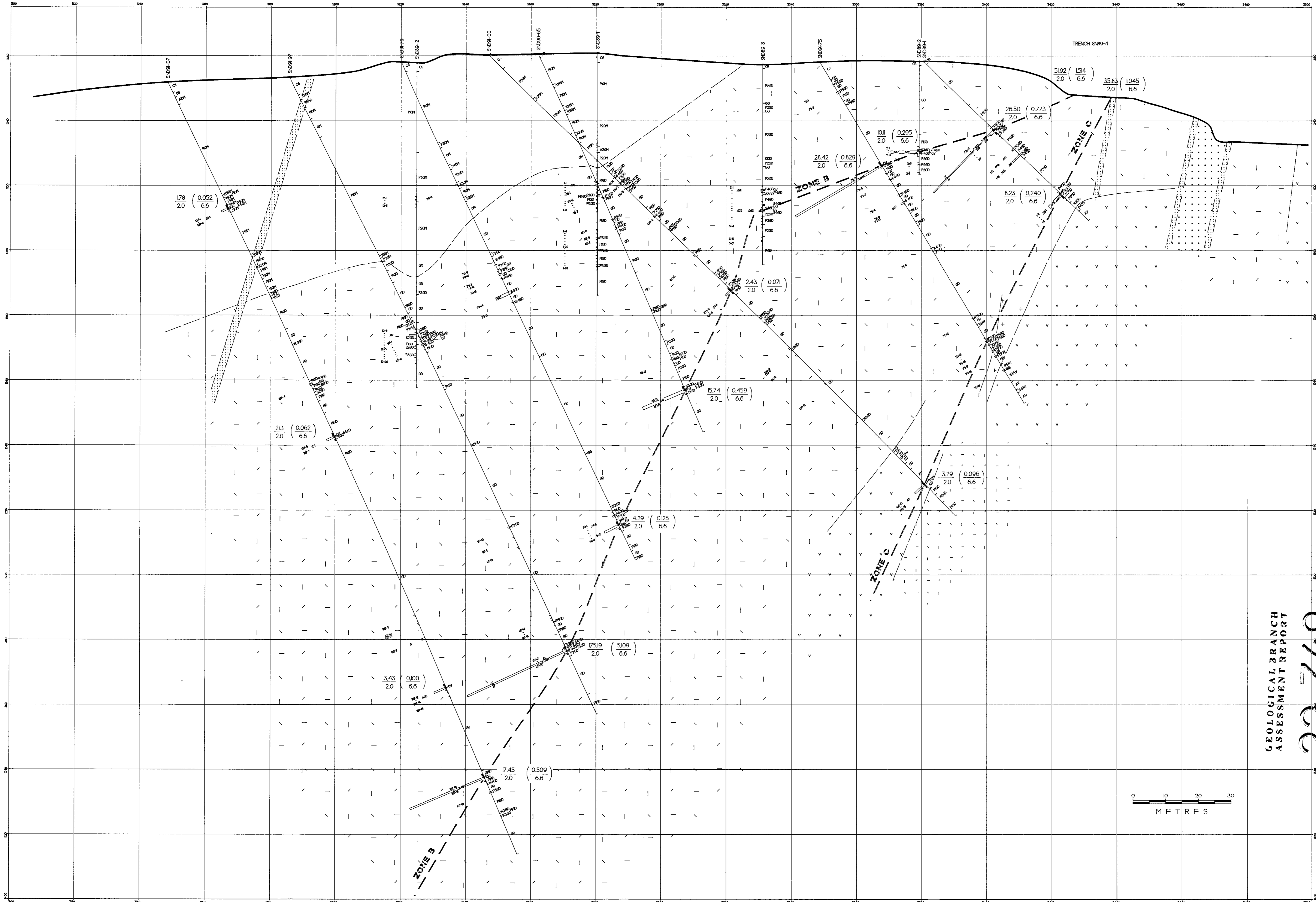
PLOT OF DIAMOND DRILL HOLE



GEOLOGICAL BRANCH ASSESSMENT REPORT
22,368
PART 2 OF 2



FAIRFIELD MINERALS LTD.
ELK PROPERTY
 SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W
SWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2090E
 SCALE 1 : 500 LOOKING WEST
 CORDILLERAN ENGINEERING LTD.
 1980 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9
 DATE : APRIL, 1992 PLATE : 7



LEGEND

LITHOLOGY

CS CASING
M1 MISSING CORE
OB OVERBLOWN

TERTIARY

AD ANDESITE DYKE dark grey-green to olive green, fine-grained to weakly porphyritic
BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding not evident
QV QUARTZ VEN white to grey quartz with some siliceous cement 5% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite; rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE pink to light grey, fine grained, aegiric
FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
GC GRANDIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
GD GRANDIORITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, eugegranular with up to 5% biotite or hornblende

TRASSIC

NICOLA GROUP VOLCANICS

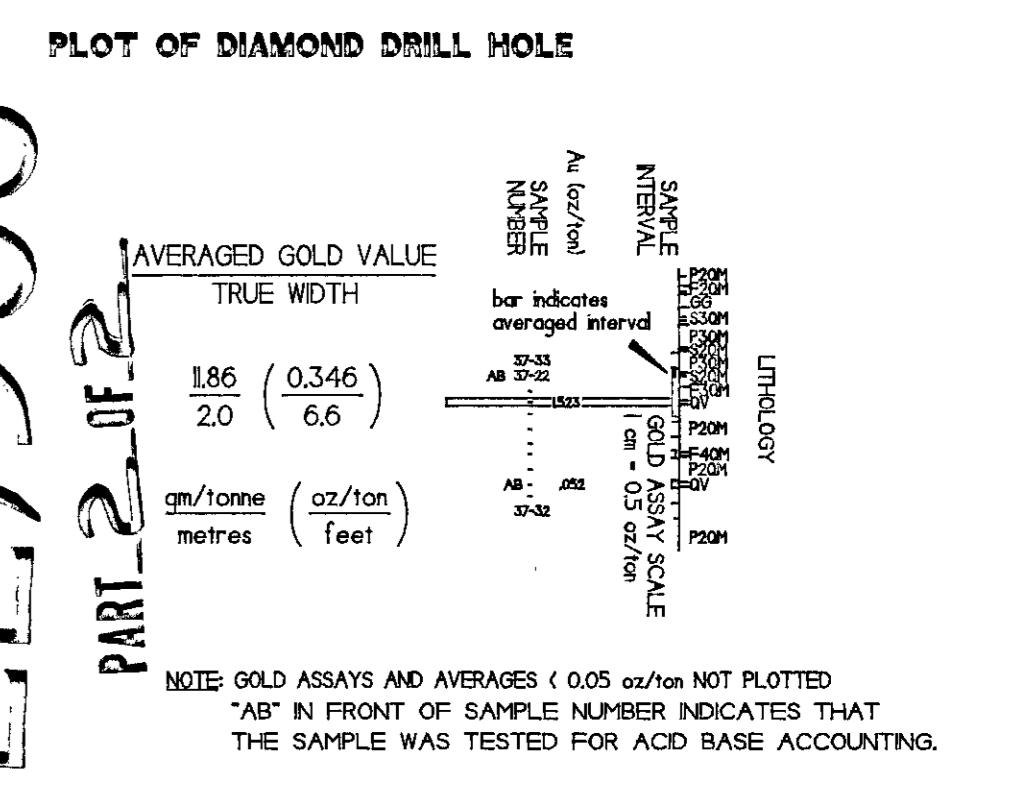
AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to ophanitic
PVI PORPHYRYTIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
VB VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix matrix rarely coarse up to 20% pyrite - pyrrhotite - chalcopyrite

ALTERATION CODES

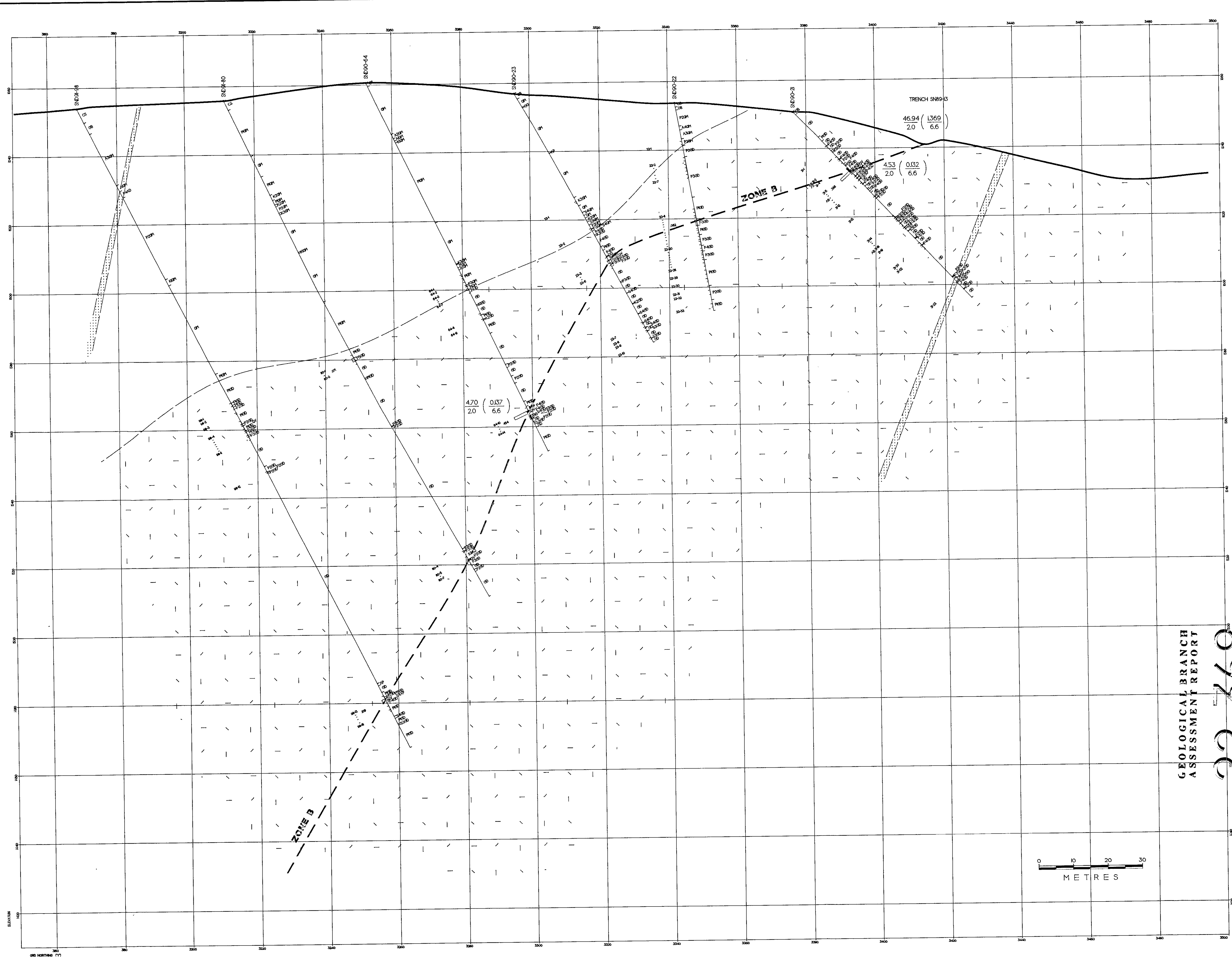
Al) ARGILLIC P) PROPYLITIC
Ph) PHYLIC S) SERICITIC
FS) FINE STABLE PHYLIC SK) SKARN
K) POTASSIC M) MUFICATION
(n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

— LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
~ ~ ~ FAULT OR SHEAR



GEOLOGICAL BRANCH
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 22,368
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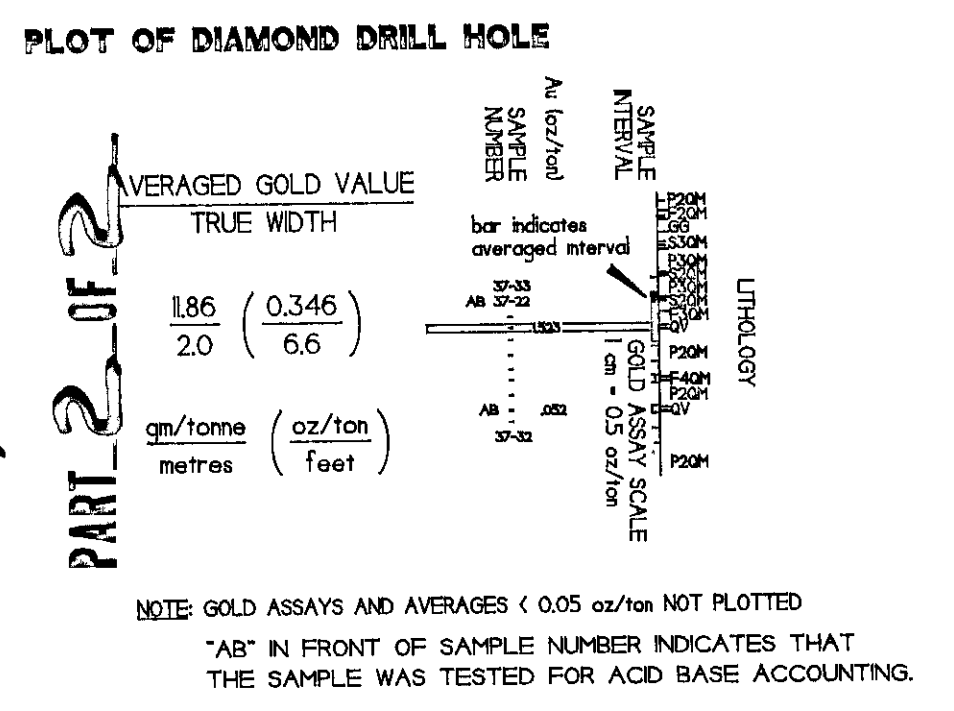


LEGEND

- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark gray-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some chlorite, commonly 1% to 20% pyrite with lesser chloropyrite, epidote, galena, tetrahedrite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light gray, fine grained, aegiric
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 5% biotite or hornblende
 - GD GRANODIORITE medium to dark gray, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish gray, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish gray, coarse grained, eugeoprositic with up to 15% biotite or hornblende
- TRASSIC**
- MOCLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
 - (PV) PORPHYRYIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - (VB) VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite
- ALTERATION CODES**
- Alj ARGILLIC
 - Fpl PHYLIC
 - FK K-spar STABLE PHYLIC
 - Kst POTASSIC
 - Pj PROPYLITIC
 - Sb SERICITIC
 - SK SKARN
 - Xsl SILICIFICATION
- (1 - 1 TO 5, WEAK TO INTENSE)
- SYMBOLS**
- LITHOLOGIC CONTACT
 - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,368



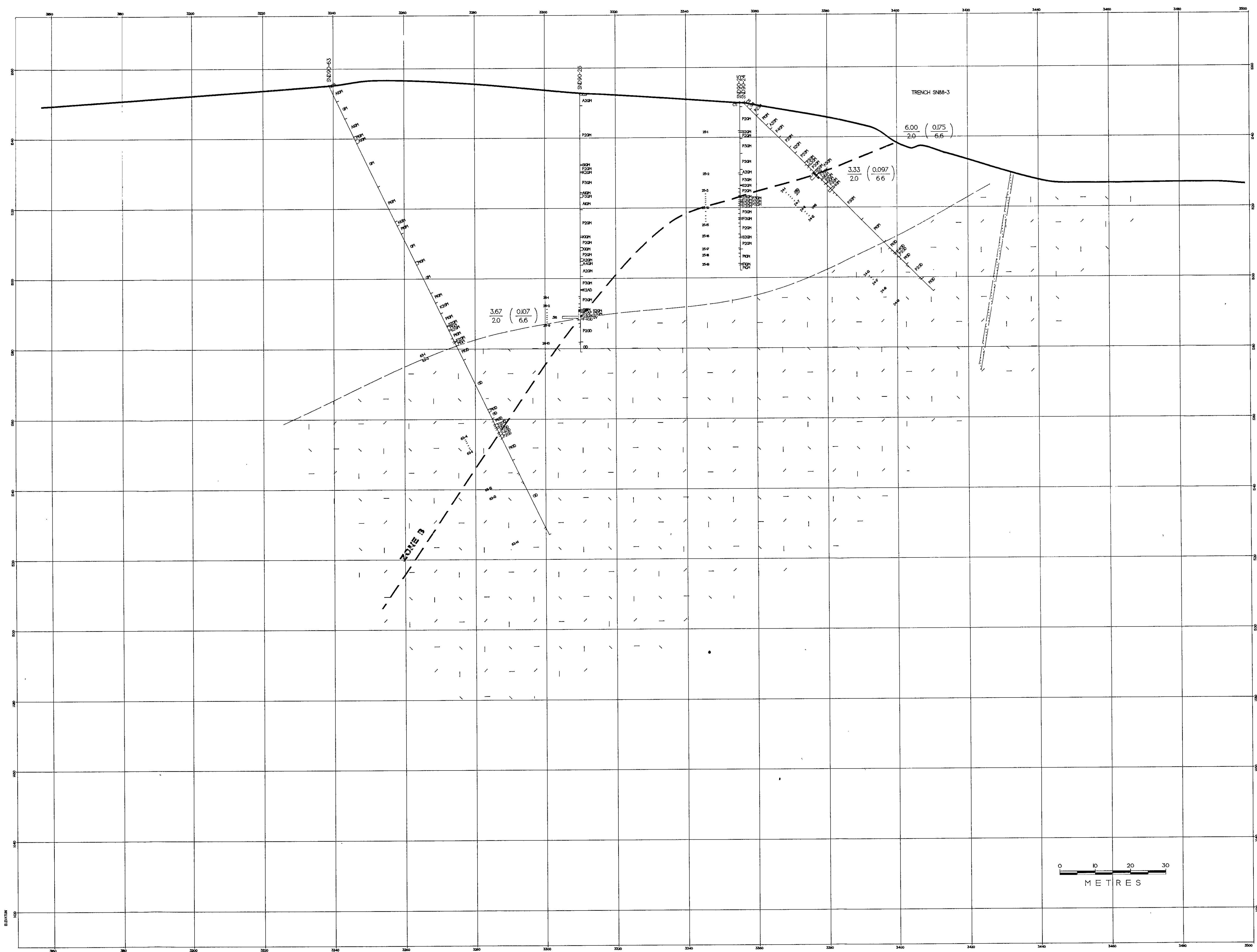
FAIRFIELD MINERALS LTD.

ELK PROPERTY
 SIMLKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2190E
 SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
 1980 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 9



LEGEND

LITHOLOGY

- CS CASING
 - M1 MISSING CORE
 - OB OVERBLINDEN
- TERTIARY**
- AD ANDESITE DYKE dark grayish-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some calcite, commonly 10% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite, rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, sacchar
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANDIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANDIORITE medium to dark grey, fine to medium grained, up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, equigranular with up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - (PV) PORPHYRYIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - (VB) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely coarser up to 25% pyrite - pyrrhotite - chalcopyrite

ALTERATION CODES

- | | |
|--------------------------|--------------------|
| Al) ARGILLIC | Pp) PROPYLITIC |
| Ph) PHYLIC | Ss) SERICITIC |
| Fk) K-SPAR STABLE PHYLIC | Sk) SKARN |
| Kl) POTASSIC | Xb) SILICIFICATION |
- (n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

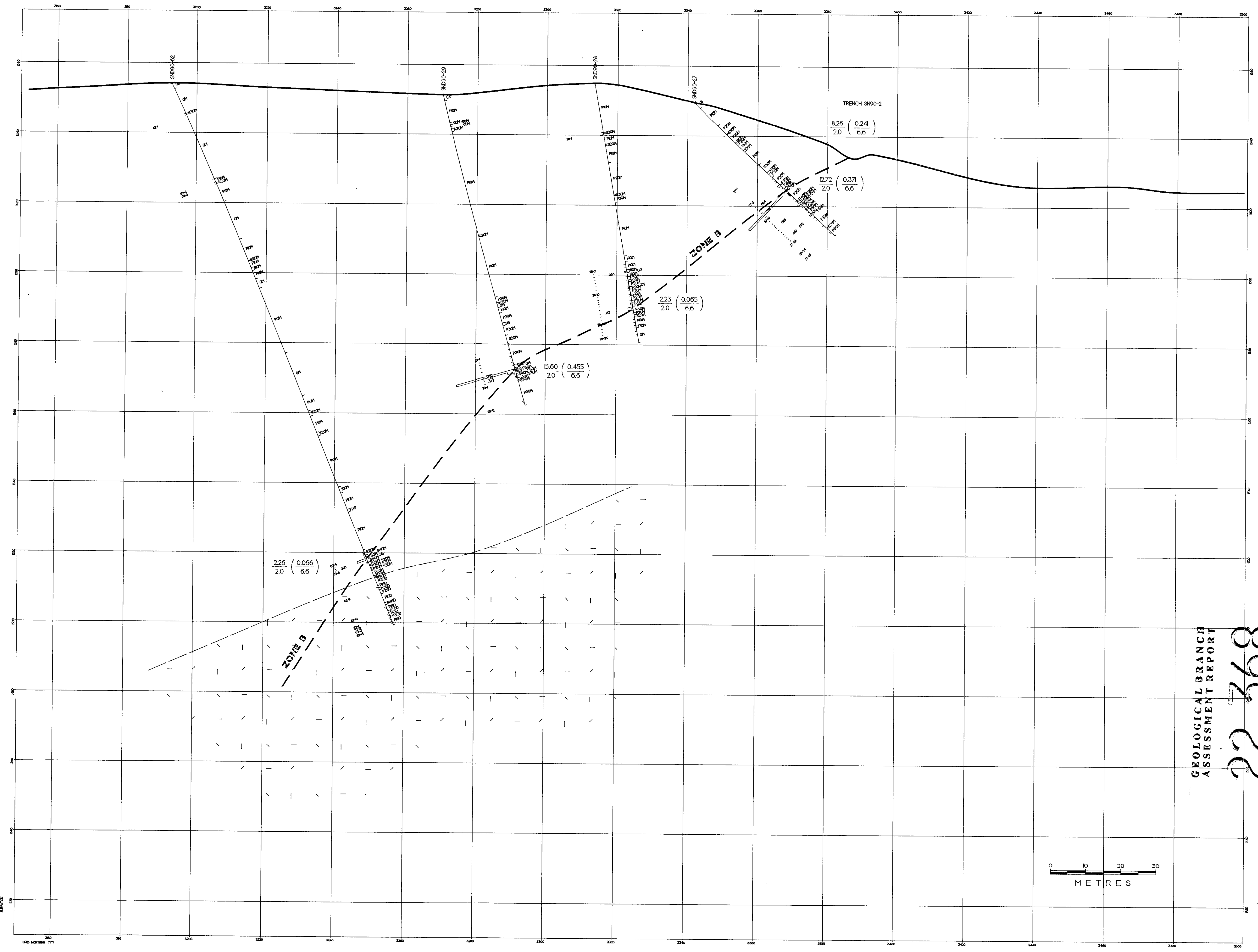
22,368
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FAIRFIELD MINERALS LTD.
ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2240E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1060 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 10



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OR OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grayish-green to olive green, fine-grained to waxy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some calcite; commonly 10% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANODORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANODORITE medium to dark grey, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, equigranular with up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark gray-green to near black very fine-grained to aphanitic
 - (PV) PORPHYRYTIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - (VB) VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

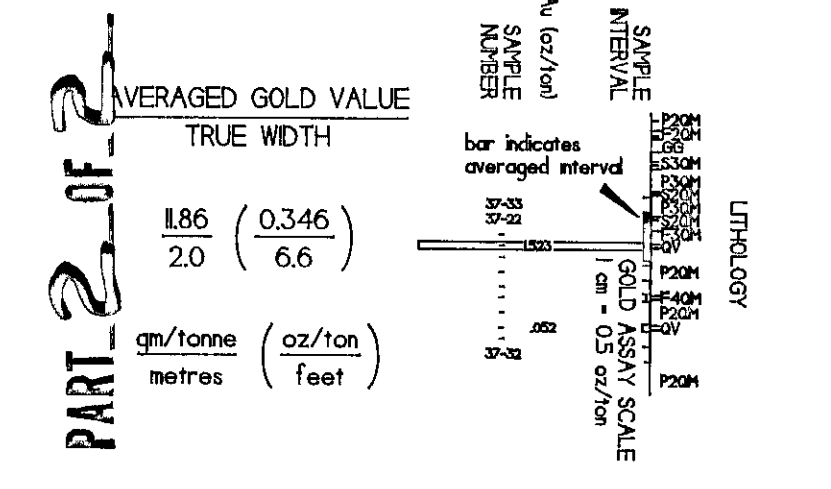
ALTERATION CODES

- A) ARGILLIC
 - Ph) PROPYLITIC
 - Ph) PHYLIC
 - S) SERPENTINIC
 - FK) K-spar STABLE PHYLIC
 - SK) SKARN
 - P) POTASSIC
 - X) SULFIDATION
- (s - 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

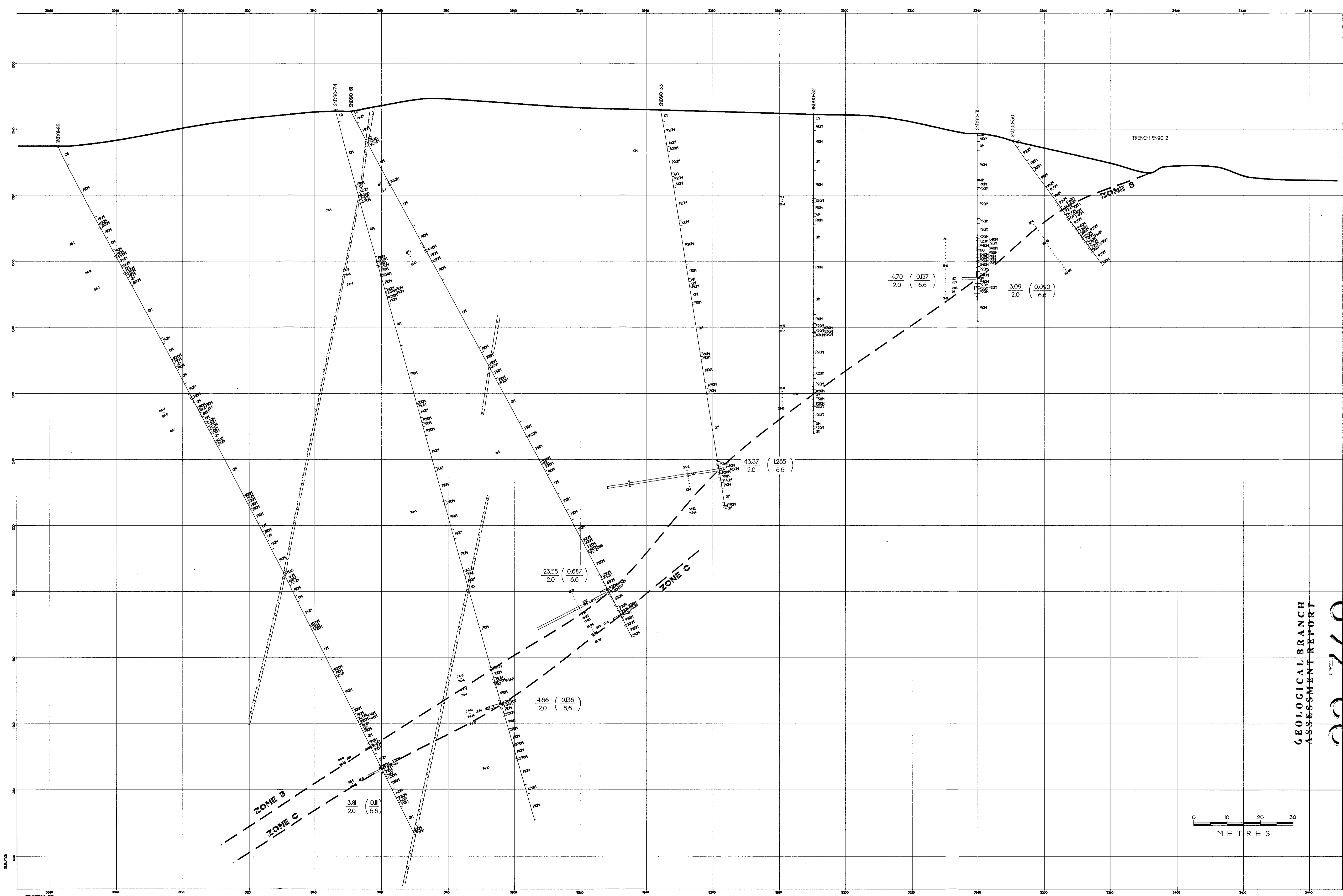


NOTE: GOLD ASSAYS AND AVERAGES < 0.05 oz/ton NOT PLOTTED

GEOLOGICAL BRANCH ASSESSMENT REPORT
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PART 2 OF 2



FAIRFIELD MINERALS LTD.
ELK PROPERTY
 SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W
SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2290E
 SCALE 1 : 500 LOOKING WEST
 CORDILLERAN ENGINEERING LTD.
 1980 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9
 DATE : APRIL, 1992 PLATE : 11

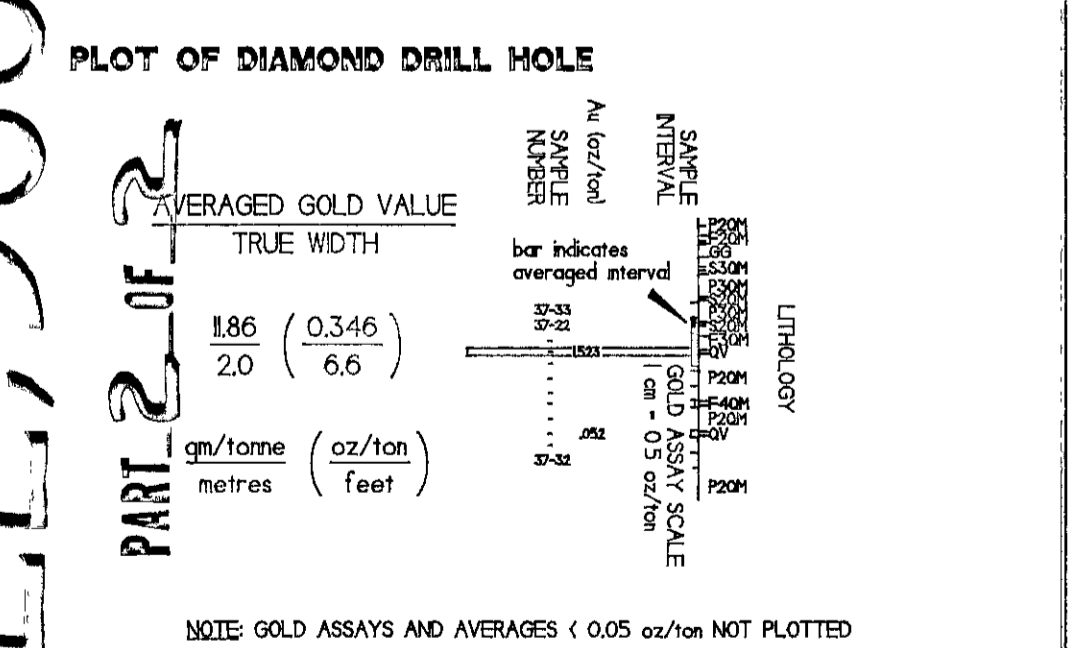


LEGEND

- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark greyish-green to olive green, fine-grained to waddy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to grey quartz with some arsenic, commonly 10% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, aegiric
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE medium to dark grey, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, eugegranular with up to 15% biotite or hornblende
- TRASSIC**
- NICOIA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - PV PORPHYRITIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

- ALTERATION CODES**
- | | |
|-------------------------|-----------------|
| Al) ARGILLIC | Pp) PROPYLITIC |
| Ph) PHYLIC | Ss) SERICITIC |
| Px) KAPOR STABLE PHYLIC | Sk) SKARN |
| Ka) POTASSIC | Xs) SULFIDATION |
- (a - 1 to 5, WEAK TO INTENSE)

- SYMBOLS**
- LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR



GEOLOGICAL BRANCH ASSESSMENT REPORT
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PART 2 OF 2



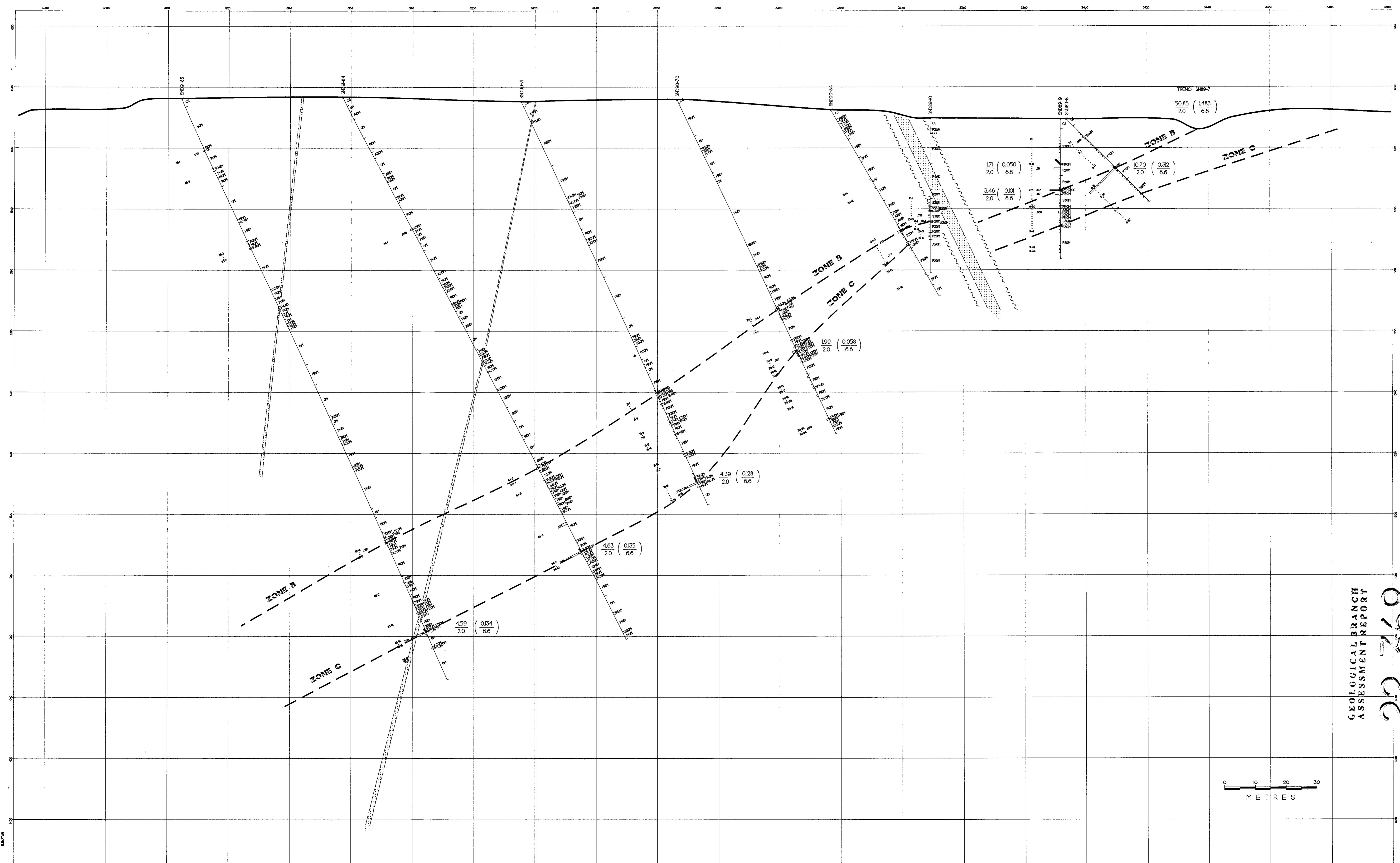
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2340E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 10355 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 12



LEGEND

LITHOLOGY

CS CASING
M MISSING CORE
OB OVERRIDDEN

TERNIARY

AD ANDESITE DYKE dark gray-green to olive green, fine-grained to weakly porphyritic

BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge

GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident

QV QUARTZ VEN white to gray quartz with some andalusite, commonly 5% to 20% pyrite with lesser chloropyrite, epidote, garnet, hematite, rare visible gold

JURASSIC

GORREY LAKE BATHOLITH

AP APLITE pink to light gray, fine grained, aegirine

FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich

GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 5% biotite or hornblende

GD GRANODIORITE medium to dark gray, fine to medium grained up to 5% biotite or hornblende

GR GRANITE pink to pinkish gray, quartz - k-spar rich with some hornblende

PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-spar - muscovite rich

QH QUARTZ MONZONITE light to medium pinkish gray, coarse grained, aegirine with up to 5% biotite or hornblende

TRASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic

PV PORPHYRITIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%

VB VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

ALTERATION CODES

AR ARGILLIC	PR PROPYLITIC
PH PHYLIC	SR SERICITIC
PK K-spar STABLE PHYLIC	SK SKARN
PO POTASSIC	SL SULFIDATION

(A - I TO S, WEAK TO INTENSE)

SYMBOLS

— LITHOLOGIC CONTACT

--- TRACE OF MINERALIZED STRUCTURE

~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

— AVERAGED GOLD VALUE

TRUE WIDTH

1.86 (0.346/6.6)

2.0 (0.134/6.6)

gm/tonne (oz/ton)

metres (feet)

NOTE: GOLD ASSAYS AND AVERAGES (0.05 oz/ton NOT PLOTTED)

GEOLOGICAL BRANCH
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FAIRFIELD MINERALS LTD.

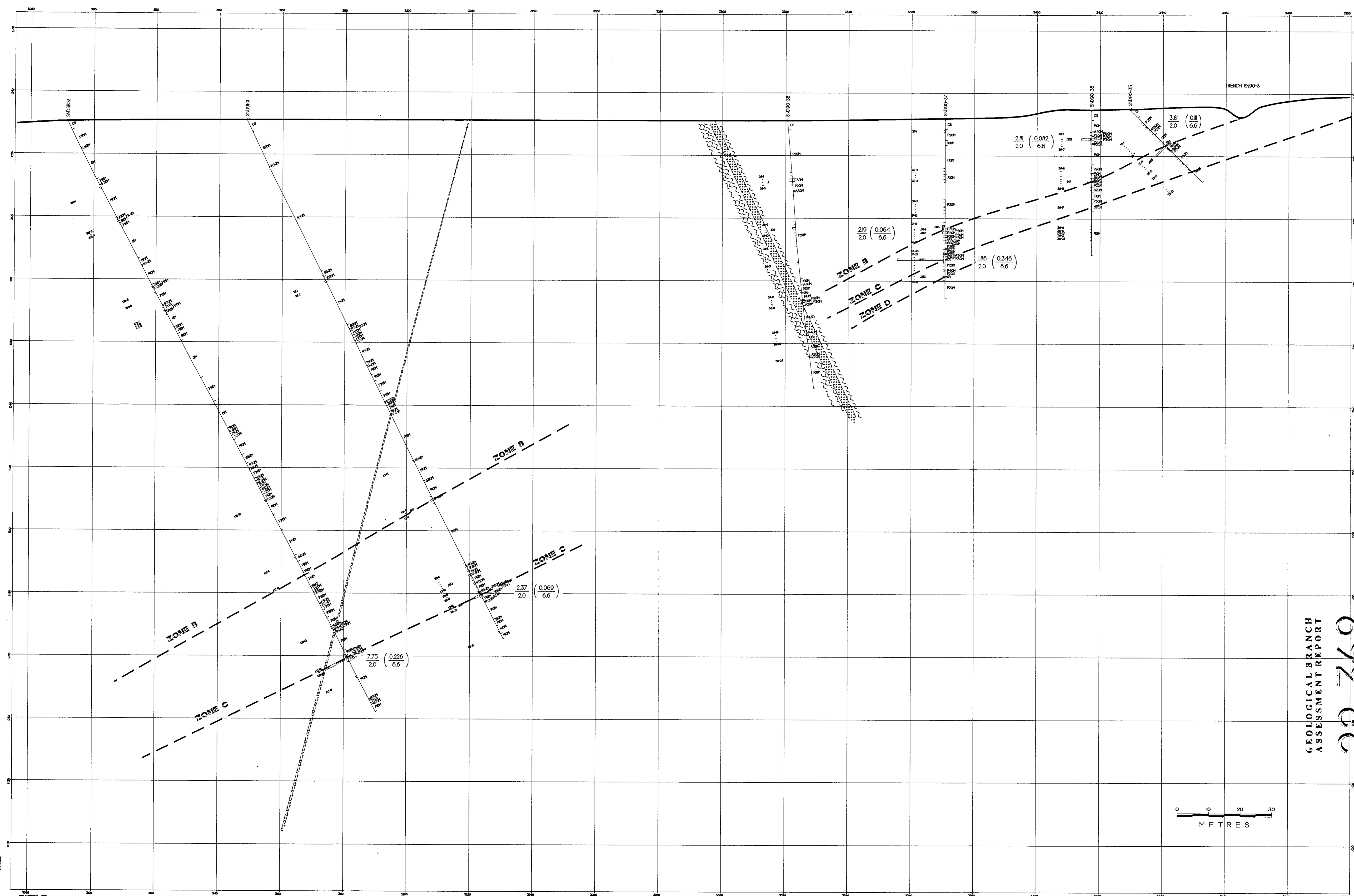
ELK PROPERTY

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
 DIAMOND DRILL SECTION 2405E
 SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
 1080 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 13



LEGEND

LITHOLOGY

CS CASING
M MISSING CORE
OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE dark grayish-green to olive green, fine-grained to medium porphyritic
BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
QV QUARTZ VEN white to gray quartz with some chlorite, commonly 1% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite, rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE pink to light gray, fine grained aegreic
FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
GC GRANODIORITE CHL. MARGIN medium to dark gray, fine grained up to 5% biotite or hornblende
GD GRANODIORITE medium to dark gray, fine to medium grained up to 5% biotite or hornblende
GR GRANITE pink to pinkish gray, quartz - k-spar rich with some hornblende
PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-spar - muscovite rich
QH QUARTZ MONZONITE light to medium pinkish gray, coarse grained, aegreic with up to 1% biotite or hornblende

TRASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
PV PORPHYRITIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
VB VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix matrix rarely contains up to 25% pyrite - pyrrhotite - chalcocopyrite

ALTERATION CODES

Al) ARGILLIC
Ph) PHYLIC
St) STABLE PHYLIC
K) POTASSIC
P) PROPYLITIC
S) SERPENTIC
SK) SKARN
X) SULFIDATION
(1 to 5, WEAK TO INTENSE)

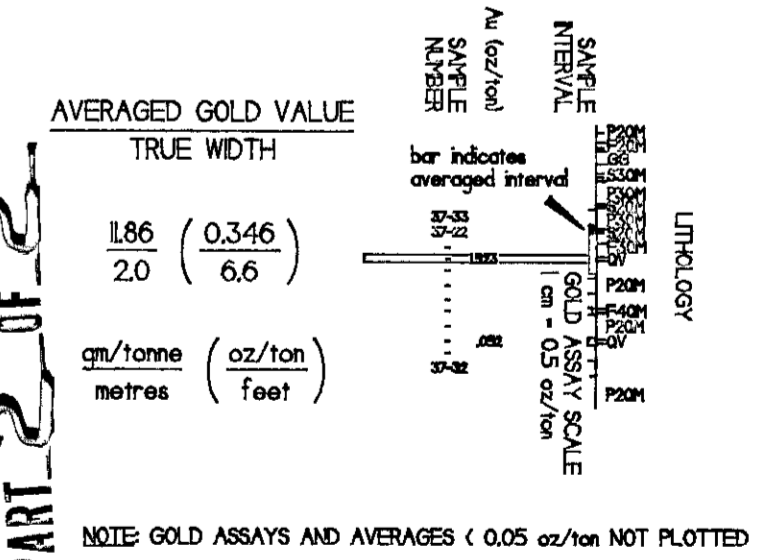
SYMBOLS

— LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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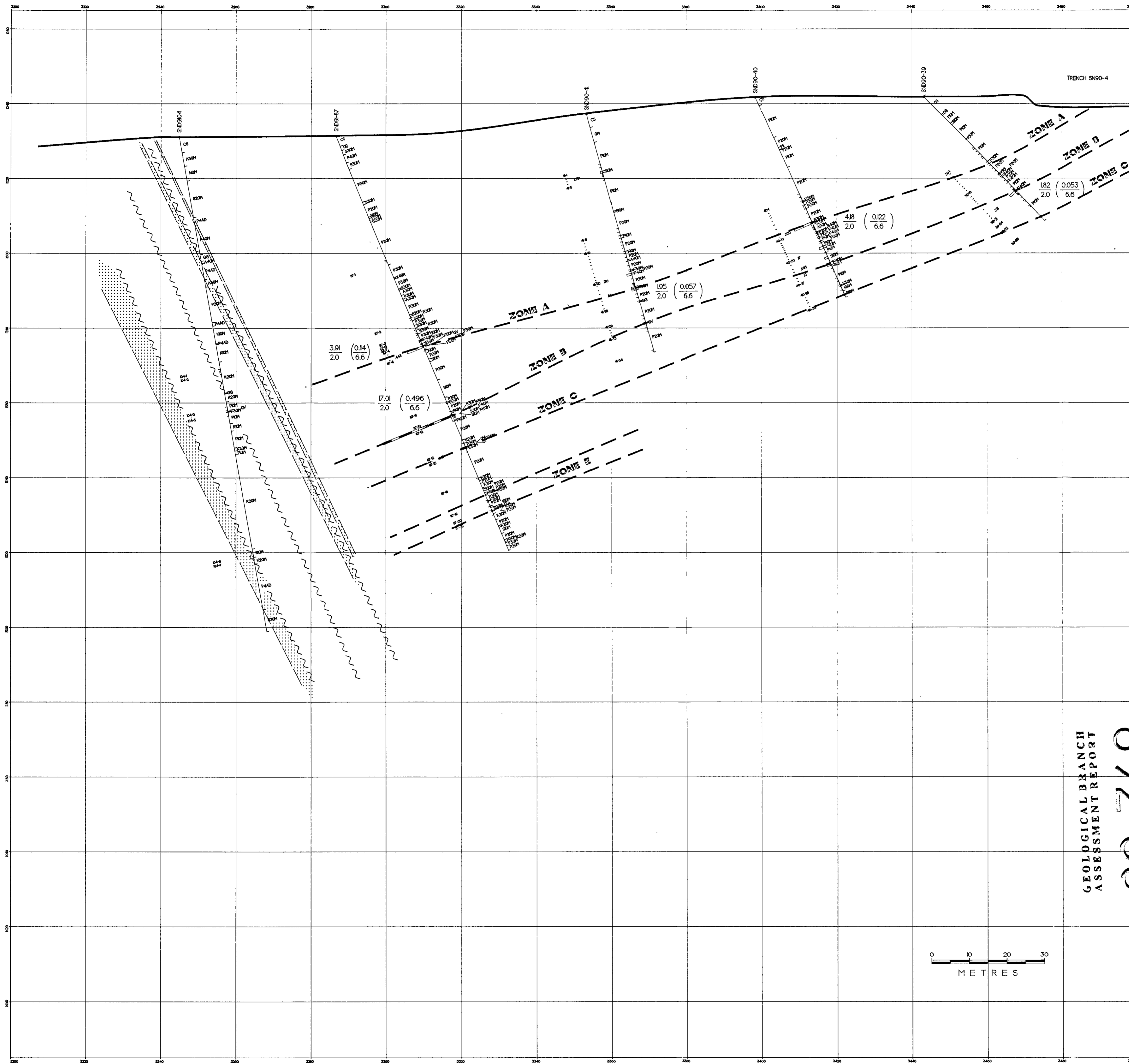
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2440E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 14



LEGEND

LITHOLOGY

- CS CASING
 - MI MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grayish-green to olive green, fine-grained to waxy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some chlorite; commonly 10% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedra; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, aegiric
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANDIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANDIORITE medium to dark grey, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, epigranular with up to 15% biotite or hornblende
- TRASSIC**
- MOCLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - (PV) PORPHYRY VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - (VB) VOLCANIC BRECCIA as above brecciated (primary) with andesitic matrix matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

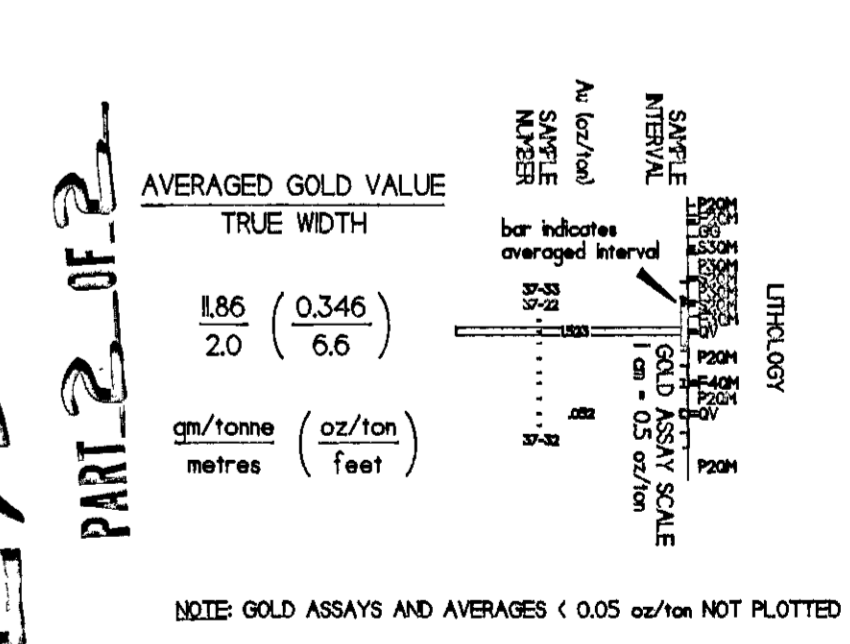
ALTERATION CODES

- Al) ARGILLIC
 - Ph) PHYLIC
 - Pk) K-fspar STABLE PHYLIC
 - Ka) POTASSIC
 - Pr) PROPYLITIC
 - Sr) SERPENTIC
 - Sk) SKARN
 - Xa) SULFICATION
- (a - 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



GEOLOGICAL BRANCH ASSESSMENT REPORT

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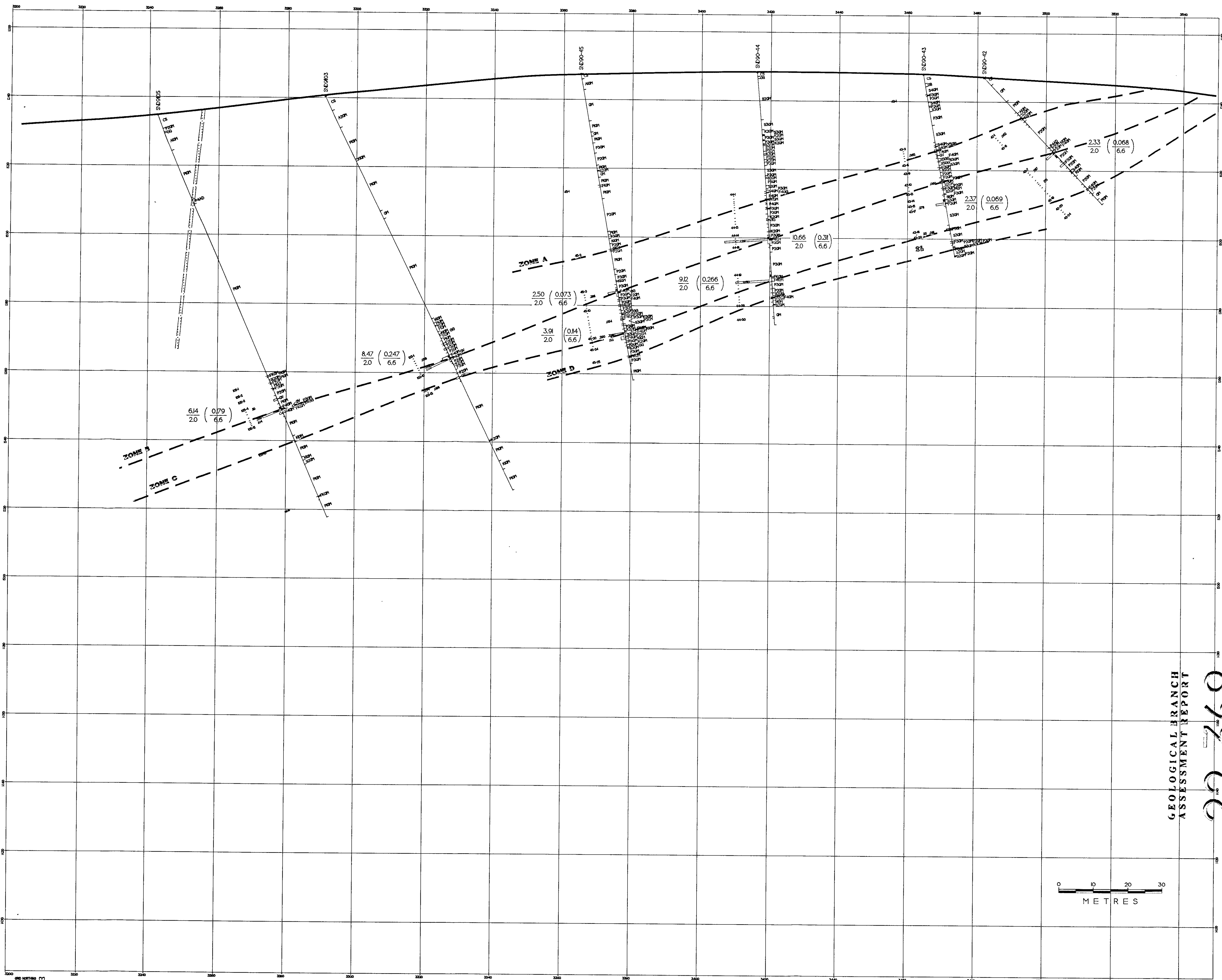
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2490E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 15



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark gray-green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-kaolinite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some alteration commonly 5% to 20% pyrite with lesser chloropyrite, epidote, galena, tetrahedrite, rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light gray, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANDIORITE CHILL MARGIN medium to dark gray, fine grained up to 5% biotite or hornblende
 - GD GRANDIORITE medium to dark gray, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to pinkish gray, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish gray, coarse grained, euhedral up to 5% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
 - PV PORPHYRYIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix matrix rarely contains up to 25% pyrite - pyrrhotite - chalcopyrite

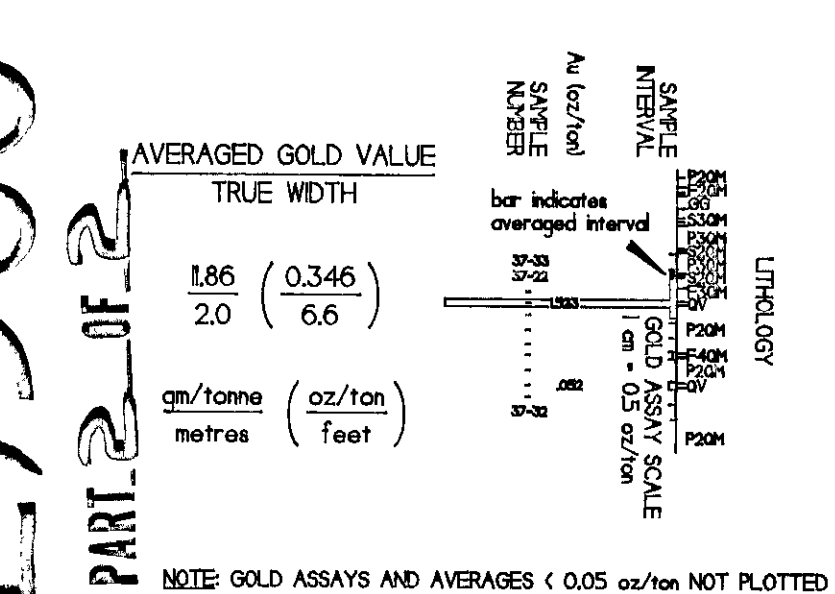
ALTERATION CODES

- | | |
|---------------------------|-----------------|
| Al) ARGILLIC | Pp) PROPYLITIC |
| Ph) PHYLIC | Ss) SERICITIC |
| Pk) K-fspar STABLE PHYLIC | Sk) SKARN |
| Po) POTASSIC | Xs) SULFURATION |
- (n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



GEOLOGICAL BRANCH ASSESSMENT REPORT

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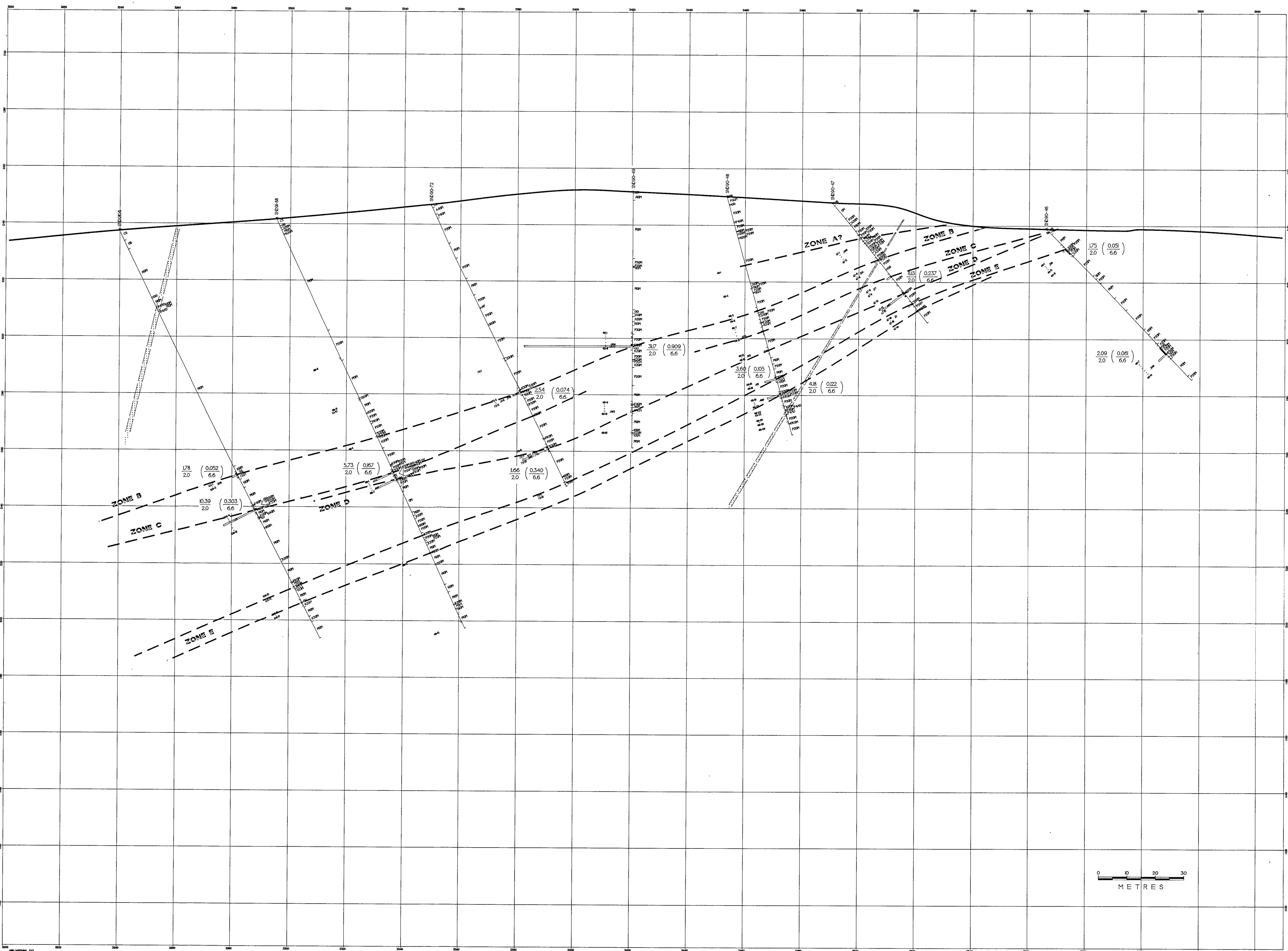
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2540E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 16



LEGEND

LITHOLOGY

CS CASING
 M MISSING CORE
 OB OVERBURDEN

TERTIARY

AD ANDESITE DYKE dark grey-green to olive green, fine grained to waddy porphyritic
 BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 GO GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 QV QUARTZ VEN white to gray quartz with some chlorite, commonly fine to 200µ pyrite with lesser chloropyrite, epidote, garnet, tetrahedrite rare visible gold

JURASSIC

OSPREY LAKE BATHOLITH

AP APLITE pink to light grey, fine grained aegiric
 FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 GC GRANODIORITE CHL. MARGIN medium to dark grey, fine grained up to 5% biotite or hornblende
 GD GRANODIORITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, megacrystic with up to 5% biotite or hornblende

TRASSIC

NICOLA GROUP VOLCANICS

AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aegiric
 PV PORPHYRITIC VOLCANICS as above phenocrysts of plagioclase or hornblende to about 20%
 BV VOLCANIC BRECCIA as above brecciated (fragmentary) with andesitic matrix, matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

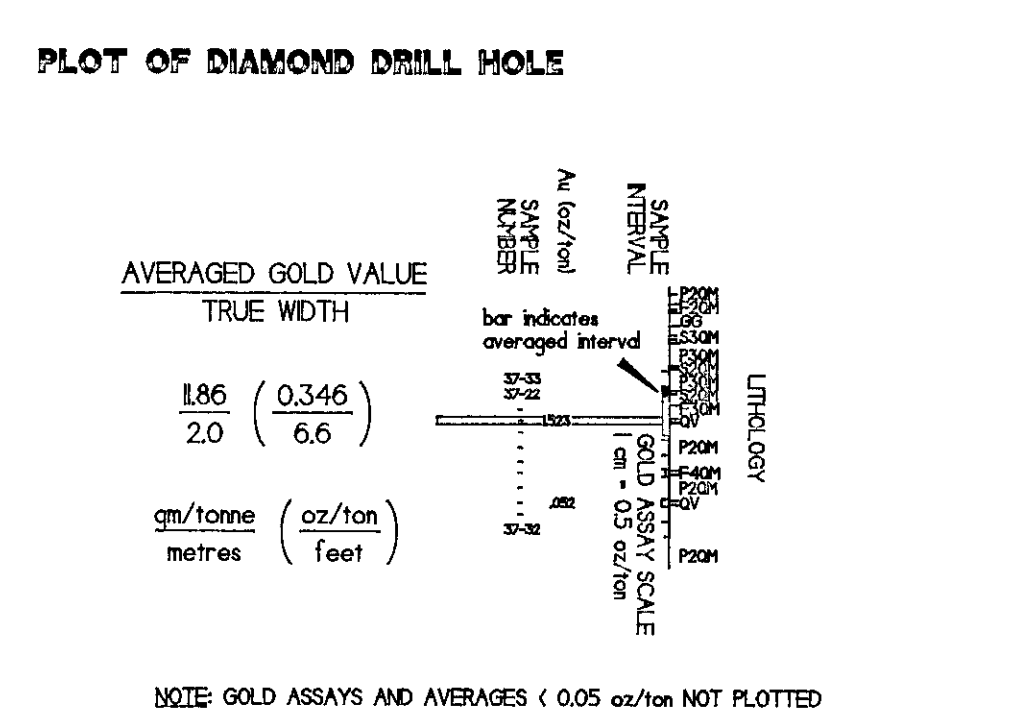
ALTERATION CODES

Al ALKALIC
 Ph PROPYLITIC
 Pk PHYLIC
 St STABLE PHYLIC
 SK SKARN
 Km POTASSIC
 Ss SERICITIC
 Sx SKARN
 Xs SULFIDATION

(n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

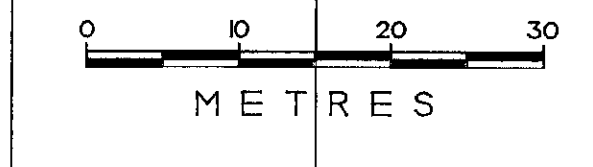
— LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 ~ ~ ~ FAULT OR SHEAR



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 ASSESSMENT REPORT**

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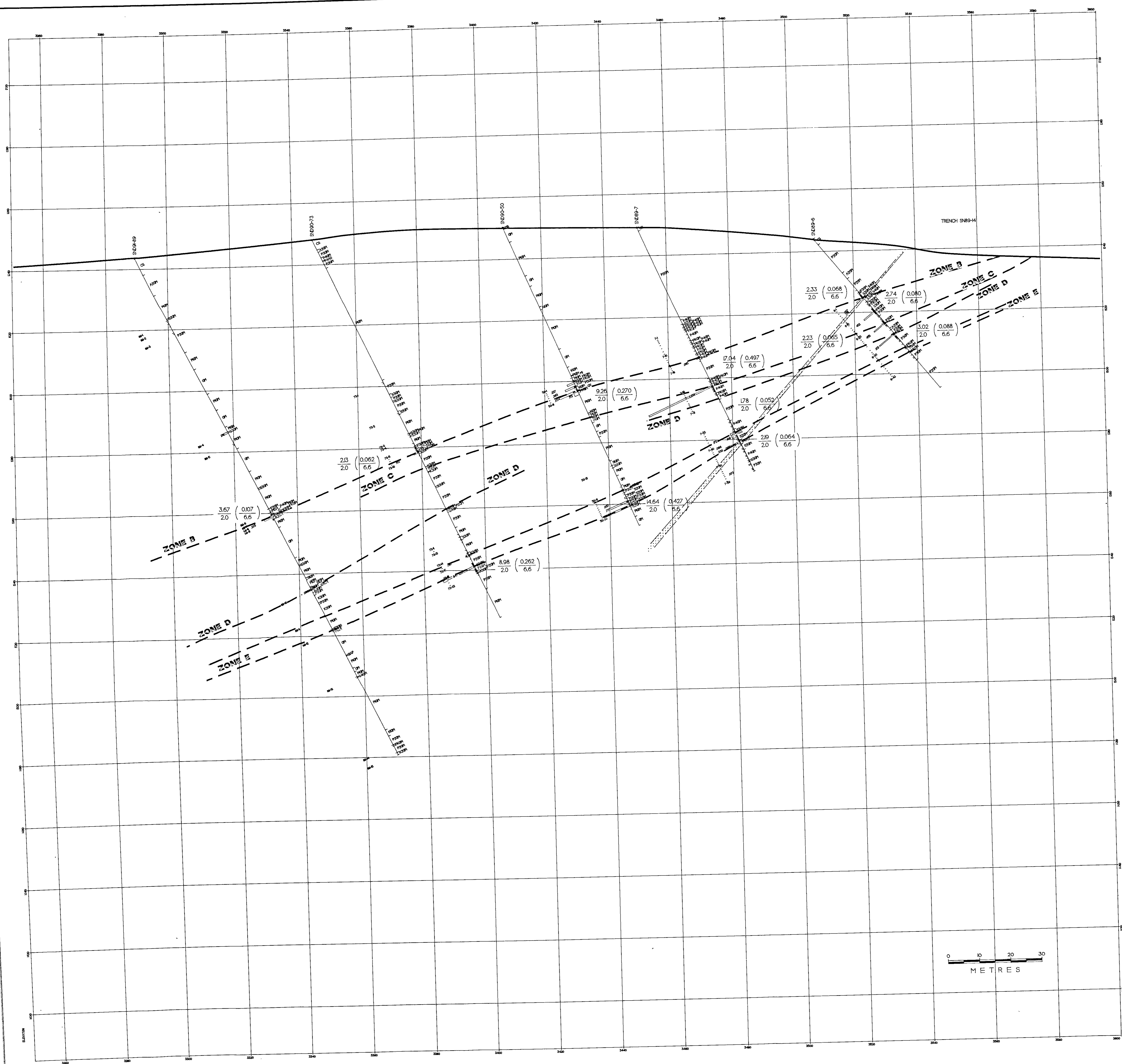
FAIRFIELD MINERALS LTD.

ELK PROPERTY
 SIMLKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
 DIAMOND DRILL SECTION 2590E
 SCALE 1 : 500 LOOKING WEST

CORDELLERAN ENGINEERING LTD.
 1940 - 1025 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE :17



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grayish-green to olive green fine-grained to sandy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments shear foliation or banding may be evident
 - QV QUARTZ VEIN white to gray quartz with some orthite commonly 15% to 20% pyrite with lesser chloropyrite, epidote, garnet, tetrahedrite, rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light gray, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE medium to dark gray, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish gray, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish gray, coarse grained aegirine with up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark gray-green to near black very fine-grained to aphanitic
 - PVI PORPHYRYIC VOLCANIC as above; porphyry of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (terrestrial) with andesitic matrix matrix rarely contains up to 20% pyrite - pyrrhotite - chalcopyrite

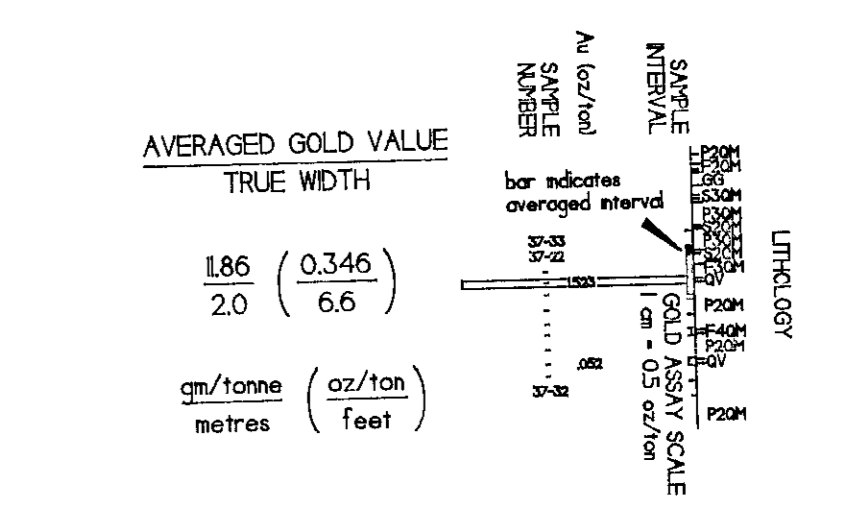
ALTERATION CODES

- Al ANELLIC
 - Ph PHYLIC
 - Fk K-fspar STABLE PHYLIC
 - Kal POTASSIC
 - Pr PROPYLITIC
 - St STABLE SERICITIC
 - SK SERICITIC
 - Xb SILICIFICATION
- (n = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ FAULT OR SHEAR

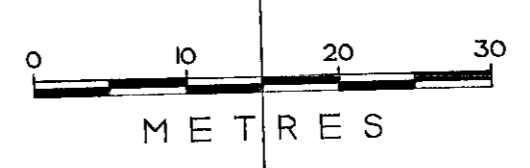
PLOT OF DIAMOND DRILL HOLE



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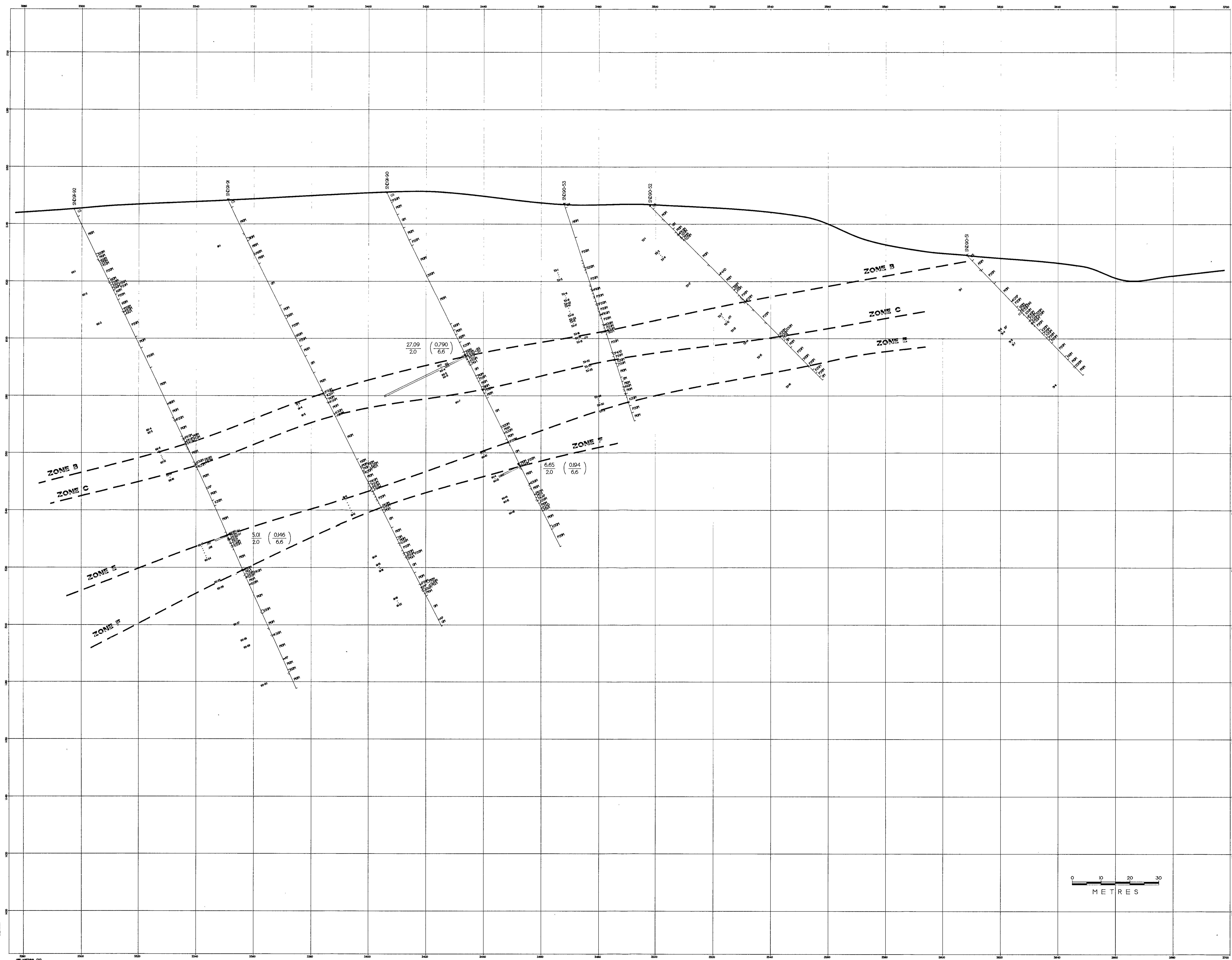
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2640E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 18



LEGEND

LITHOLOGY

- CS CASING
 - MI MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grey-green to olive green fine-grained to waddy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chert rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to grey quartz with some alteration commonly 1% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite, rare native gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE pink to light grey, fine grained, aegreous
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark grey, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE medium to dark grey, fine to medium grained up to 25% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QM QUARTZ MONZONITE light to medium pinkish grey, coarse grained, oligoclase rich up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aegreous
 - PV PORPHYRIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 200µ
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

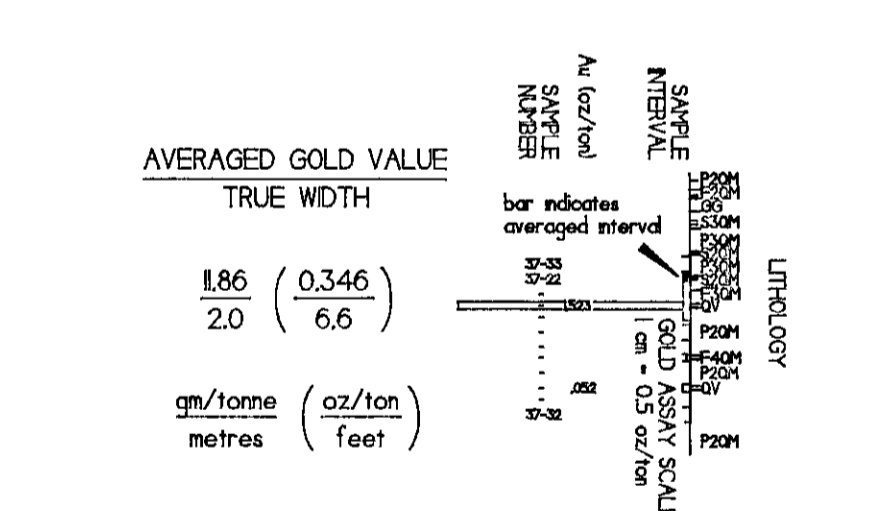
ALTERATION CODES

- Au ARCELIC
 - Ph PHYLIC
 - PK K-fspar STABLE PHYLIC
 - Kp POTASSIC
 - Pg PROPYLITIC
 - Ss SERPITIC
 - Sk SKELETON
 - Su SULFURIC
- (s = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



NOTE: GOLD ASSAYS AND AVERAGES < 0.05 oz/ton NOT PLOTTED

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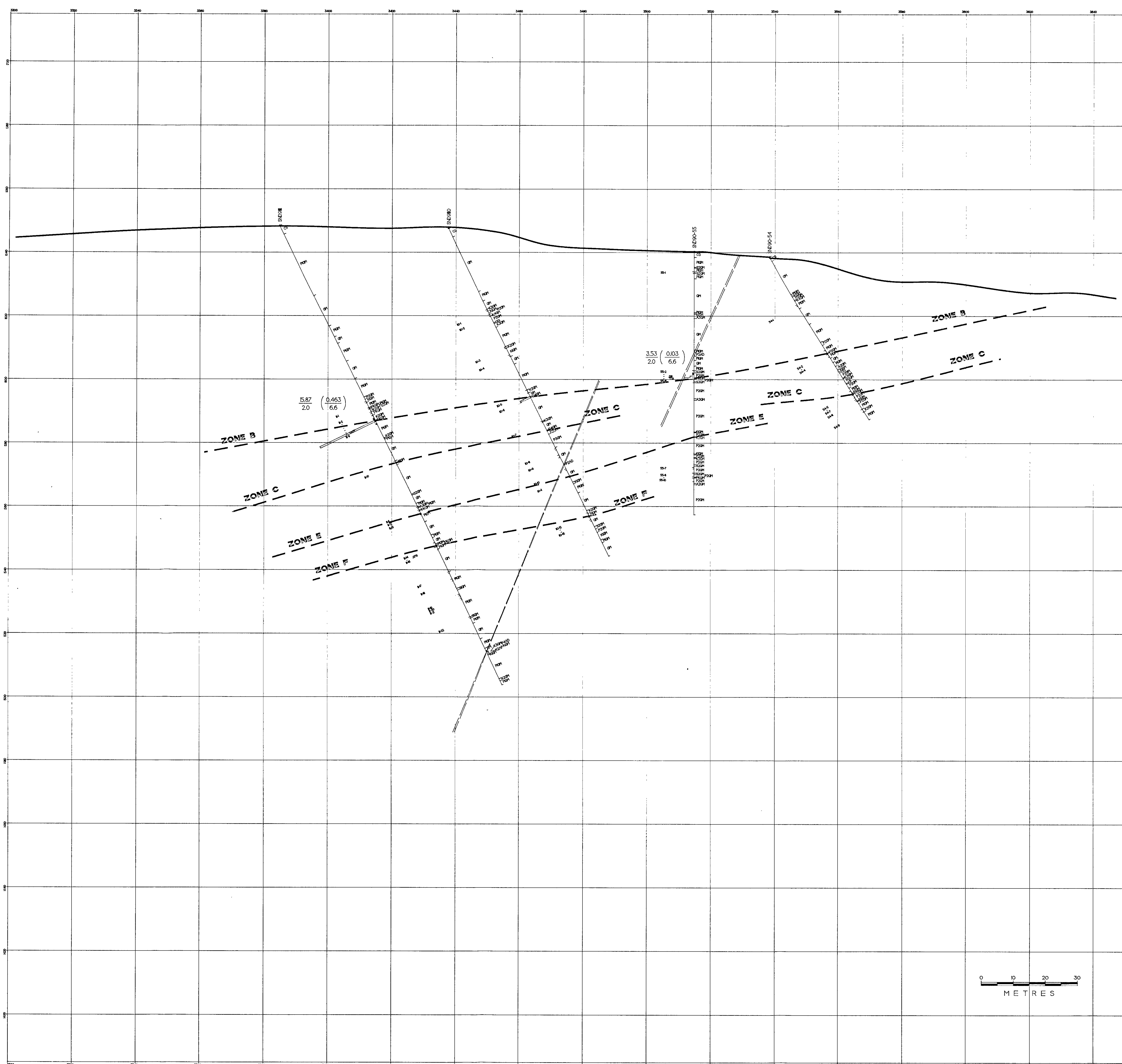
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2690E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1080 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 19

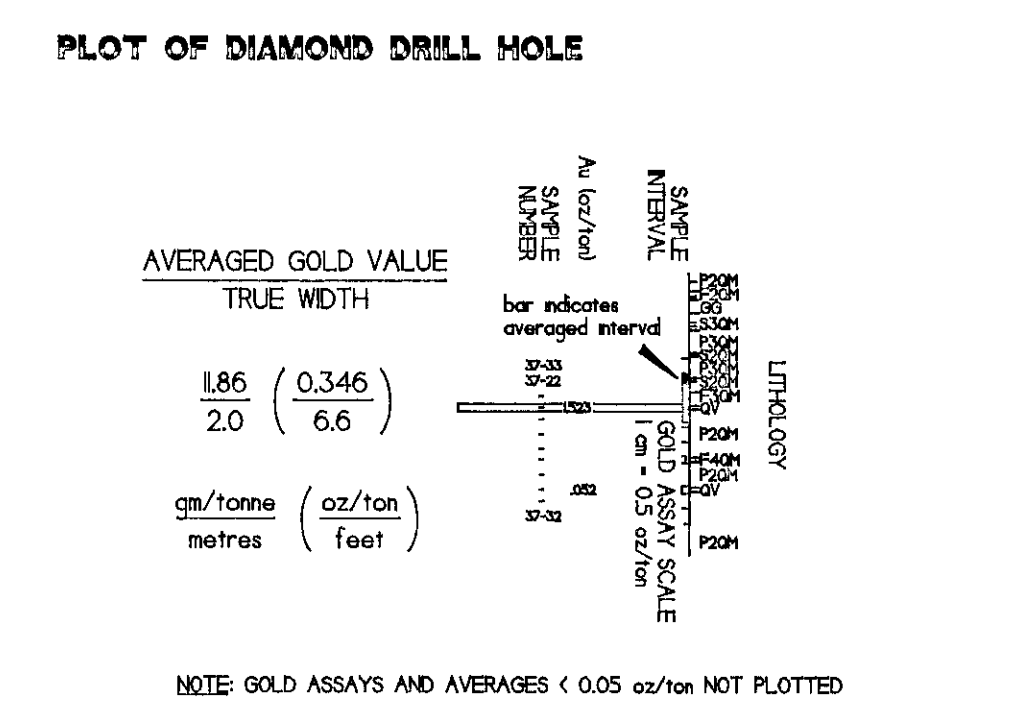


LEGEND

- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark green-grey to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEIN white to grey quartz with some allanite, commonly 1% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, aegirine
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANDORTITE CHL. MARGIN medium to dark grey, fine grained up to 5% biotite or hornblende
 - GD GRANDORTITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ HORIZONTE light to medium pinkish grey, coarse grained, equigranular with up to 5% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - PV PORPHYRYIC VOLCANIC as above; phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; acid nature; contains up to 25% pyrite - pyrrhotite - chalcopyrite

- ALTERATION CODES**
- | | |
|---------------------------|-----------------|
| Aa) ARGILLIC | Pa) PROPYLITIC |
| Ph) PHYLIC | Sa) SERPENTINIC |
| SK) K-FSPAR STABLE PHYLIC | SK) SKARN |
| Ka) POTASSIC | Xa) SULFIDATION |
- (a = 1 to 5, WEAK TO INTENSE)

- SYMBOLS**
- LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR



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FAIRFIELD MINERALS LTD.

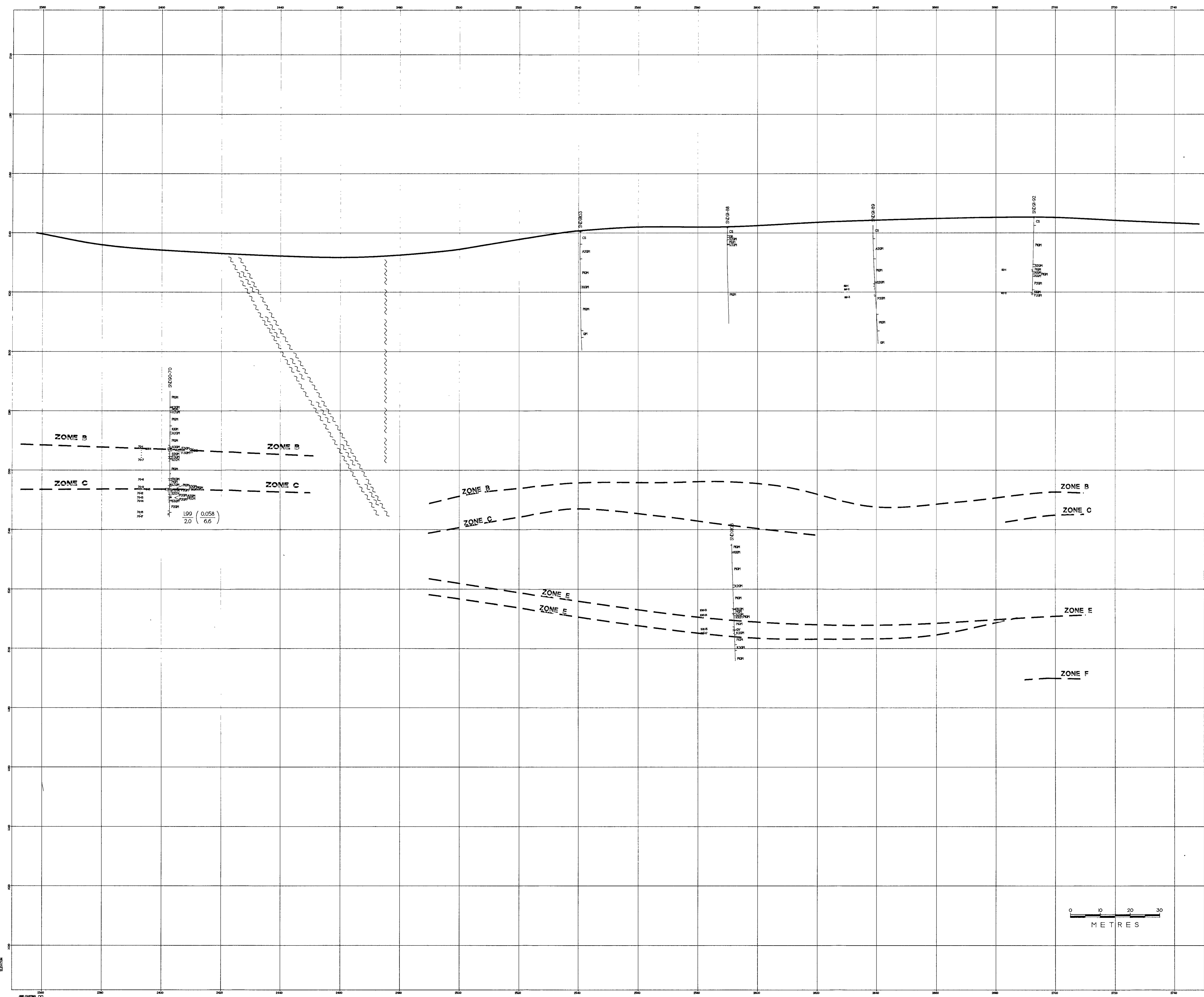
ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
DIAMOND DRILL SECTION 2740E
SCALE 1 : 500 LOOKING WEST

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 20





LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark grayish-green to olive green, fine-grained to waddy porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix; commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to grey quartz with some alteration; commonly 5% to 20% pyrite with lesser chloropyrite, epidote, garnet, hematite; rare visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, aegiric
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark grey, fine grained up to 5% biotite or hornblende
 - GD GRANODIORITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to purple grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QH QUARTZ MONZONITE light to medium purple grey, coarse grained, euglyconic with up to 5% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
 - PV PORPHYRY VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above; brecciated (primary) with andesitic matrix; matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

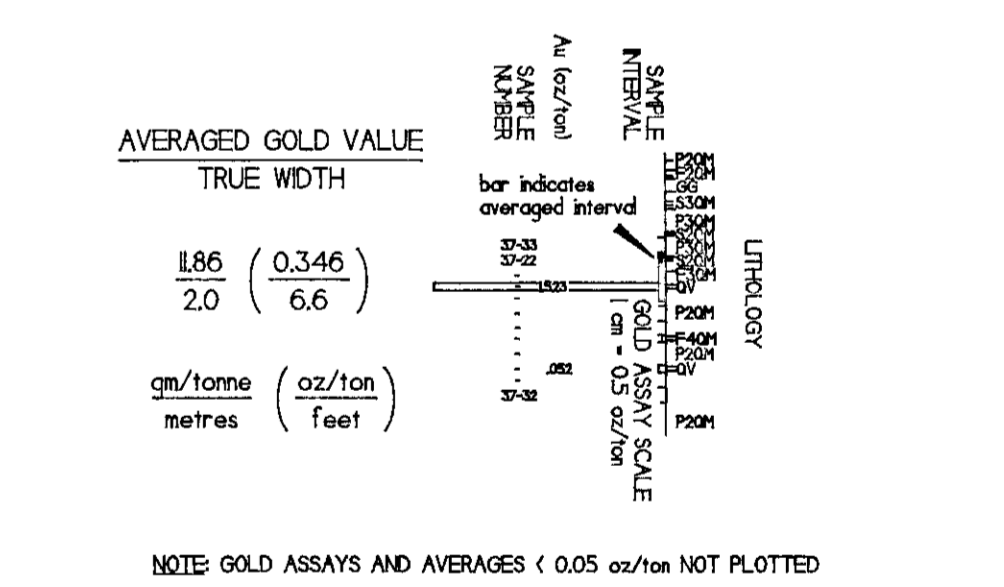
ALTERATION CODES

- A) ARGILLIC
 - Ph) PHYLIC
 - SK) SKARN
 - K) POTASSIC
 - P) PROPYLITIC
 - S) SERICITIC
 - SK) SKARN
 - X) SILICIFICATION
- (a - 1 to 5, WEAK TO INTENSE)

SYMBOLS

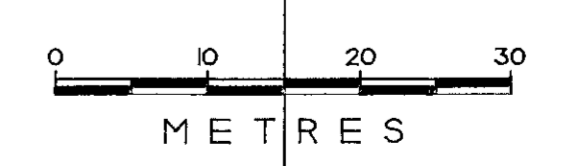
- LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



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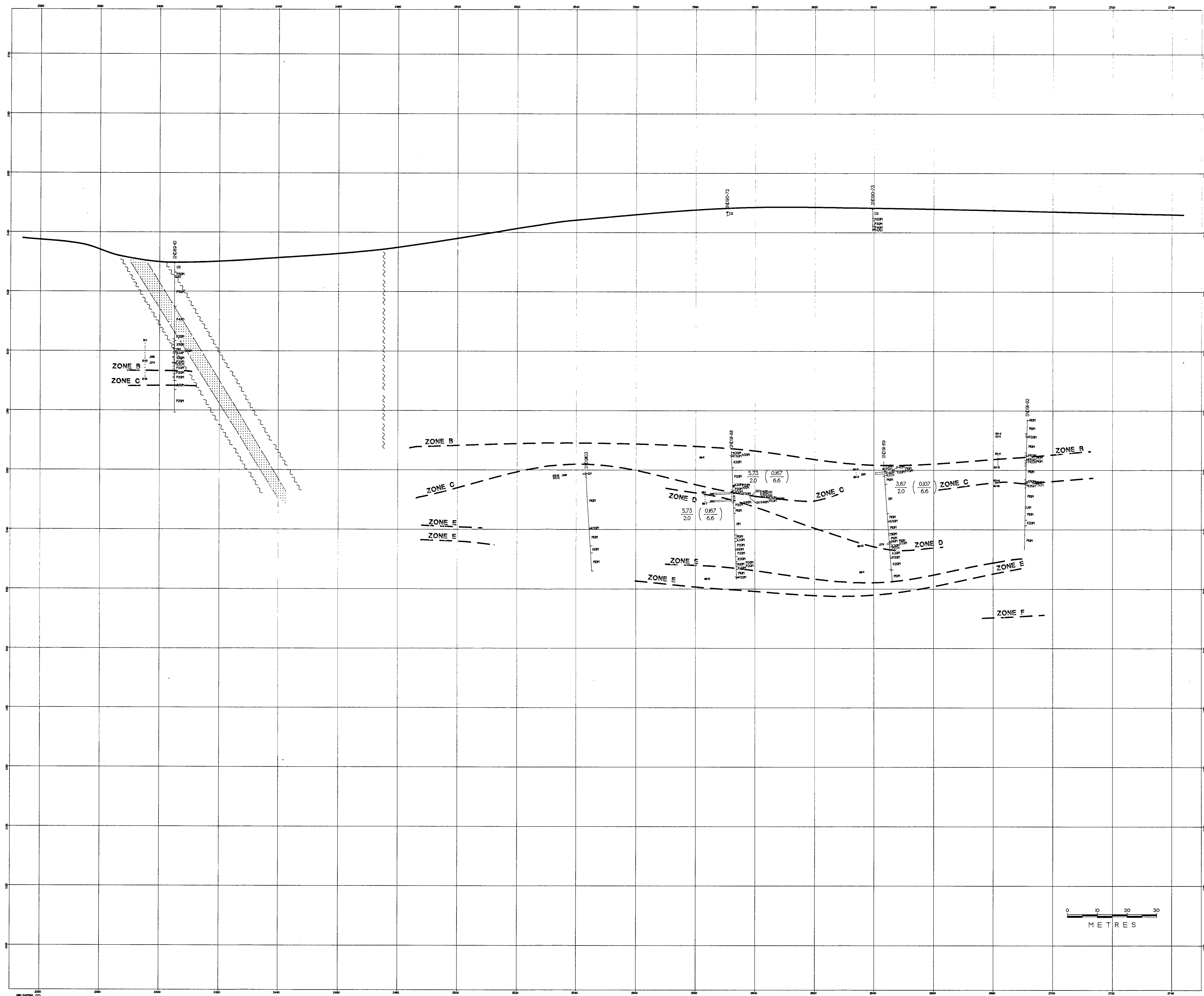
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
LONGITUDINAL SECTION 3300N
SCALE 1 : 500 LOOKING NORTH

CORDILLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 21



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark gray/green to olive green, fine-grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some orthoclase, commonly 1% to 20% pyrite with lesser chalcopyrite, sphalerite, galena, tetrahedrite, rare native gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, microcline
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark grey, fine grained up to 6% biotite or hornblende
 - GD GRANODIORITE medium to dark grey, fine to medium grained up to 10% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, megacrystic with up to 10% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark gray-green to near black, very fine-grained to aphanitic
 - PV PORPHYRYIC VOLCANIC as above phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above brecciated (fragmentary) with andesitic matrix matrix rarely contains up to 20% pyrite - pyrrhotite - chalcopyrite

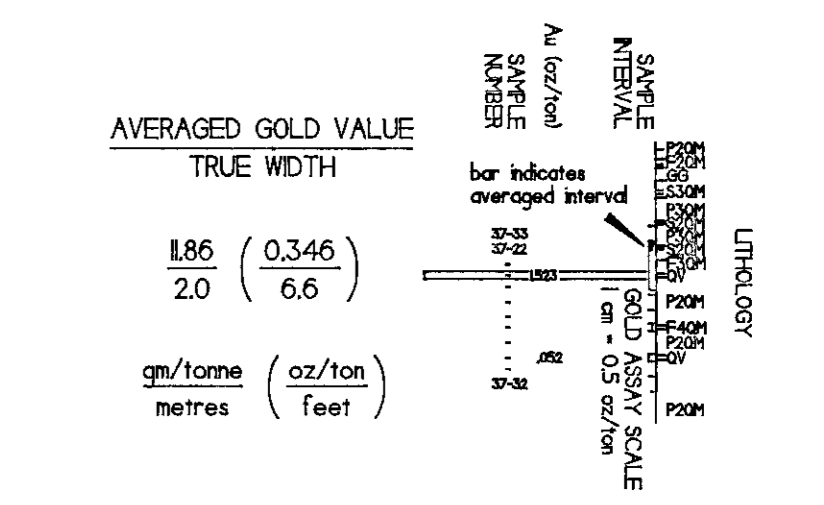
ALTERATION CODES

- AR ARGILLIC
 - PH PHYLLIC
 - PK K-fspar STABLE PHYLLIC
 - POT POTASSIC
 - PR PROPYLITIC
 - SE SERICITIC
 - SK SKARN
 - SUL SULFIDATION
- (1 = 1 TO 5, WEAK TO INTENSE)

SYMBOLS

- LITHOLOGIC CONTACT
- - - TRACE OF MINERALIZED STRUCTURE
- ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE



NOTE: GOLD ASSAYS AND AVERAGES (0.05 oz/ton) NOT PLOTTED

**GEOLOGICAL BRANCH
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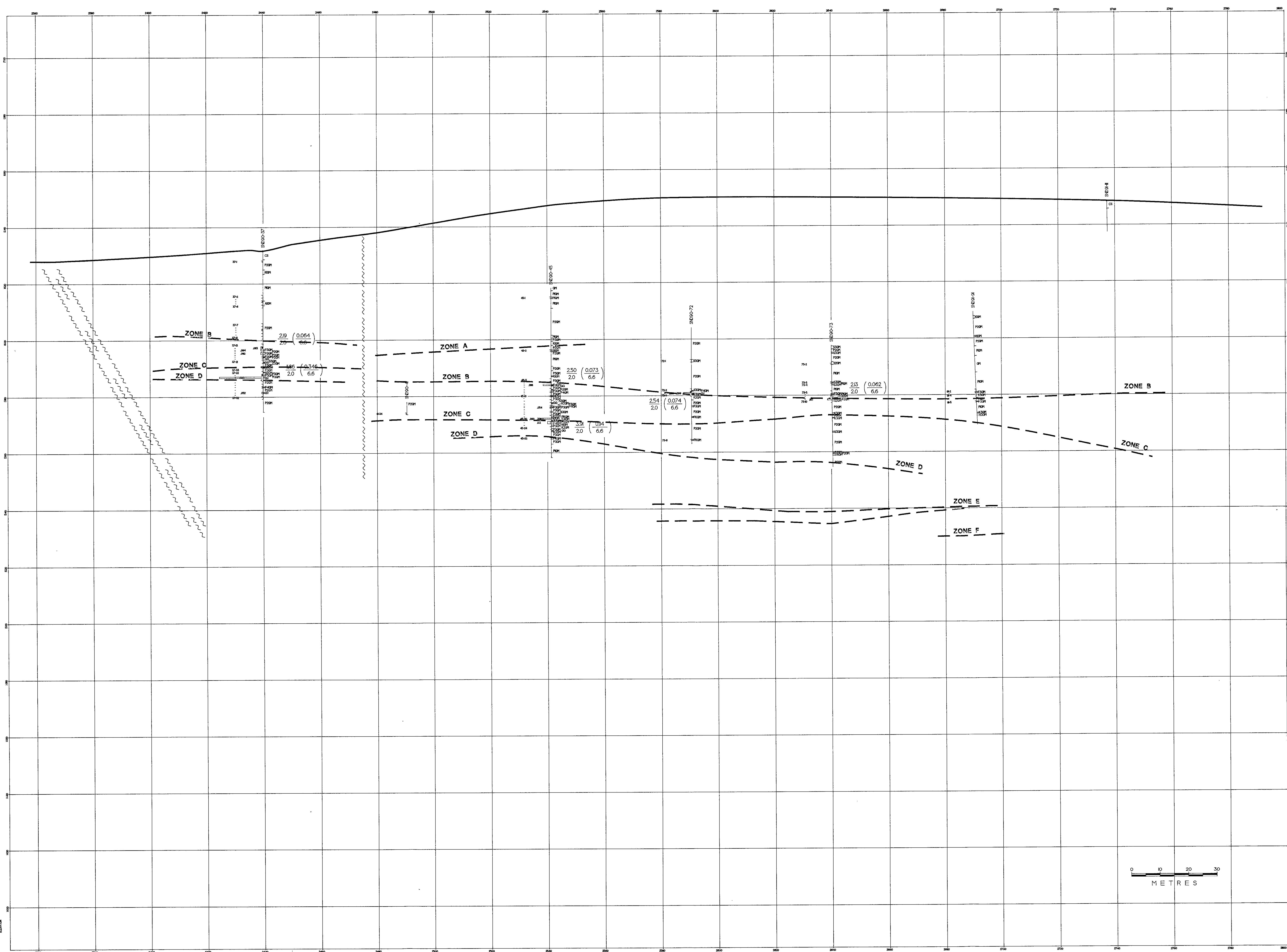
FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMLKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SWASH NORTH GOLD DEPOSIT
LONGITUDINAL SECTION 3340N
SCALE 1 : 500 LOOKING NORTH

CORDELLERAN ENGINEERING LTD.
1060 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 22



- LEGEND**
- LITHOLOGY**
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE: dark grayish-green to olive green, fine-grained to waddy porphyritic
 - BR BRECCIA: fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GOUGE: clay-rich with numerous rock fragments, shear fabric or banding may be evident
 - QV QUARTZ VEN: white to gray quartz with some euhedral, commonly 1% to 20% pyrite with lesser chloropyrite, epidote, garnet, hornblende rare, visible gold
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- AP APLITE: pink to light gray, fine grained, aegiric
 - FP FELDSPAR PORPHYRY: pink to red, medium fine-grained, k-spar rich
 - GC GRANODIORITE CHL. MARGIN: medium to dark gray, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE: medium to dark gray, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE: pink to pinkish gray, quartz - k-spar rich with some hornblende
 - PG PEGMATITE: pink to light gray, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QH QUARTZ MONZONITE: light to medium pinkish gray, coarse grained, aegiric up to 15% biotite or hornblende
- TRASSIC**
- NICOLA GROUP VOLCANICS**
- AV ANDESITIC VOLCANICS: dark gray-green to near black, very fine-grained to aegiric
 - PV PANGLOSSIC VOLCANICS: as above, phenocrysts of plagioclase or hornblende to about 20%
 - BV VOLCANIC BRECCIA: as above, brecciated (fragmentary) with andesitic matrix, matrix commonly contains up to 25% pyrite - pyrrhotite - chloropyrite

- ALTERATION CODES**
- Al ARGILLIC
 - Ph PHYLIC
 - Pt SUPER STABLE PHYLIC
 - Ka POTASSIC
 - Pr PROPYLITIC
 - Sr SERICITIC
 - Sk SKARN
 - Xs SULFIDATION
- (+ = 1 TO 5, WEAK TO INTENSE)

- SYMBOLS**
- LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

AVERAGED GOLD VALUE
TRUE WIDTH

1.86 (0.346)
2.0 (6.6)

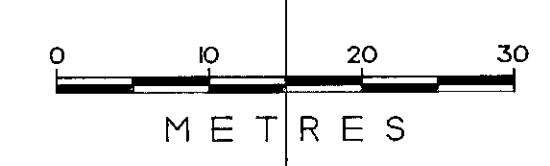
g/t/tonne (oz/ton)
metres (feet)

NOTE: GOLD ASSAYS AND AVERAGES (0.05 oz/ton) NOT PLOTTED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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PART 2 OF 2



FAIRFIELD MINERALS LTD.

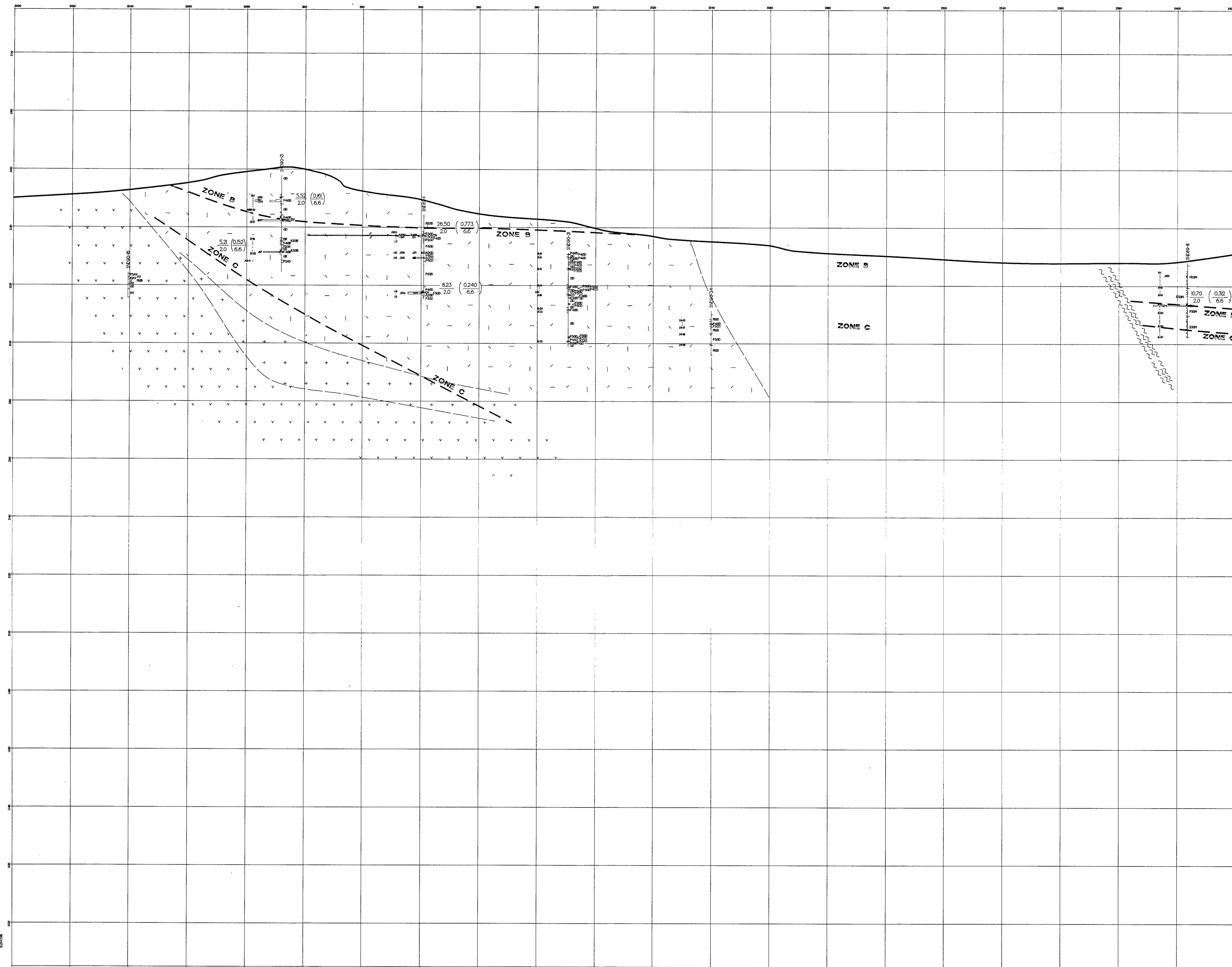
ELK PROPERTY

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
LONGITUDINAL SECTION 3380N
SCALE 1:500 LOOKING NORTH

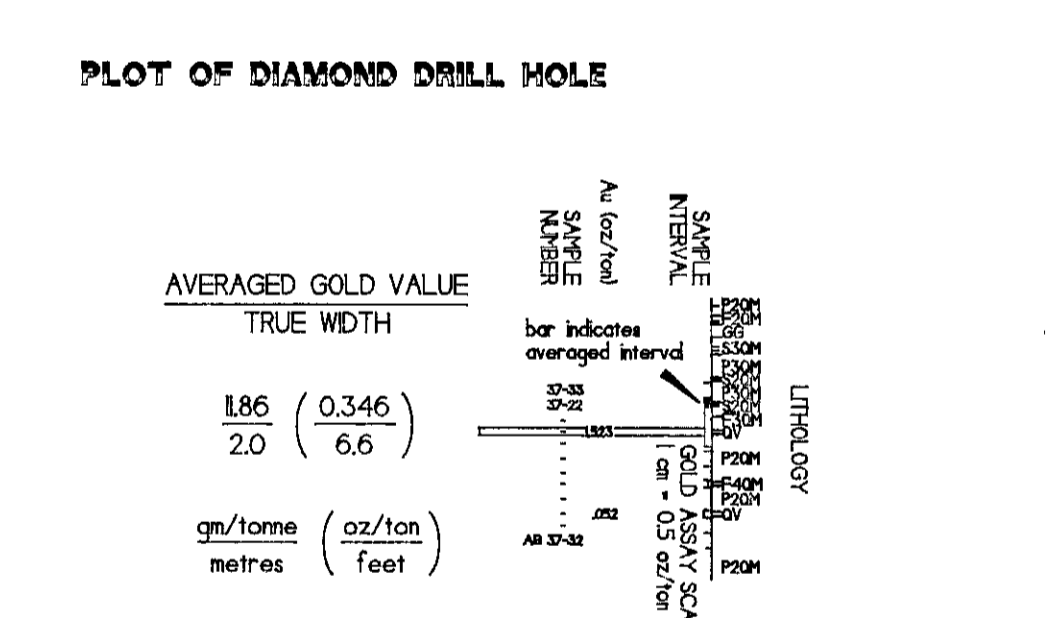
CORDILLERAN ENGINEERING LTD.
1980 - 1225 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE: APRIL, 1992 PLATE: 23



- ### LEGEND
- #### LITHOLOGY
- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- #### TERTIARY
- AD ANDESITE DYKE dark grayish green to olive green, fine grained to medium porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-chlorite rich matrix commonly grades into gouge
 - GG GABBRO clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some calcite; commonly 50% to 20% pyrite with lesser chloropyrite, sphalerite, galena, tetrahedrite rare visible gold
- #### JURASSIC
- ##### OSPREY LAKE BATHOLITH
- AP APLITE pink to light grey, fine grained, macrocline
 - FP FELDSPAR PORPHYRY pink to red, medium fine-grained, k-spar rich
 - GC GRANDORTITE CHILL MARGIN medium to dark grey, fine grained up to 5% biotite or hornblende
 - GD GRANDORTITE medium to dark grey, fine to medium grained up to 5% biotite or hornblende
 - GR GRANITE pink to pinkish grey, quartz - k-spar rich with some hornblende
 - PG PEGMATITE pink to light grey, very coarse grained to megacrystic quartz - k-spar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish grey, coarse grained, euhedral with up to 5% biotite or hornblende
- #### TRASSIC
- ##### NICOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANICS dark grey-green to near black, very fine-grained to aphanitic
 - PV PORPHYRITIC VOLCANIC as above, phenocrysts of plagioclase or hornblende to about 20%
 - BV BASALTIC BRECCIA as above brecciated (primary) with andesitic matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

- #### ALTERATION CODES
- | | | | |
|-----|-----------------------|-----|-------------|
| Am | ARGILLIC | Ph | PROPYLITIC |
| Ph | PHYLLIC | Sp | SERPENTINIC |
| PK | POORLY STABLE PHYLLIC | SK | SULPHURIC |
| Kbl | POTASSIC | Xbl | SULPHURIC |
- (1 = 1 TO 5, WEAK TO INTENSE)
- #### SYMBOLS
- LITHOLOGIC CONTACT
 - TRACE OF MINERALIZED STRUCTURE
 - ~ FAULT OR SHEAR



NOTE: GOLD ASSAYS AND AVERAGES < 0.05 oz/ton NOT PLOTTED
 AB IN FRONT OF SAMPLE NUMBER INDICATES THAT THE SAMPLE WAS TESTED FOR ACID-BASE ACCOUNTING

**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

22,368

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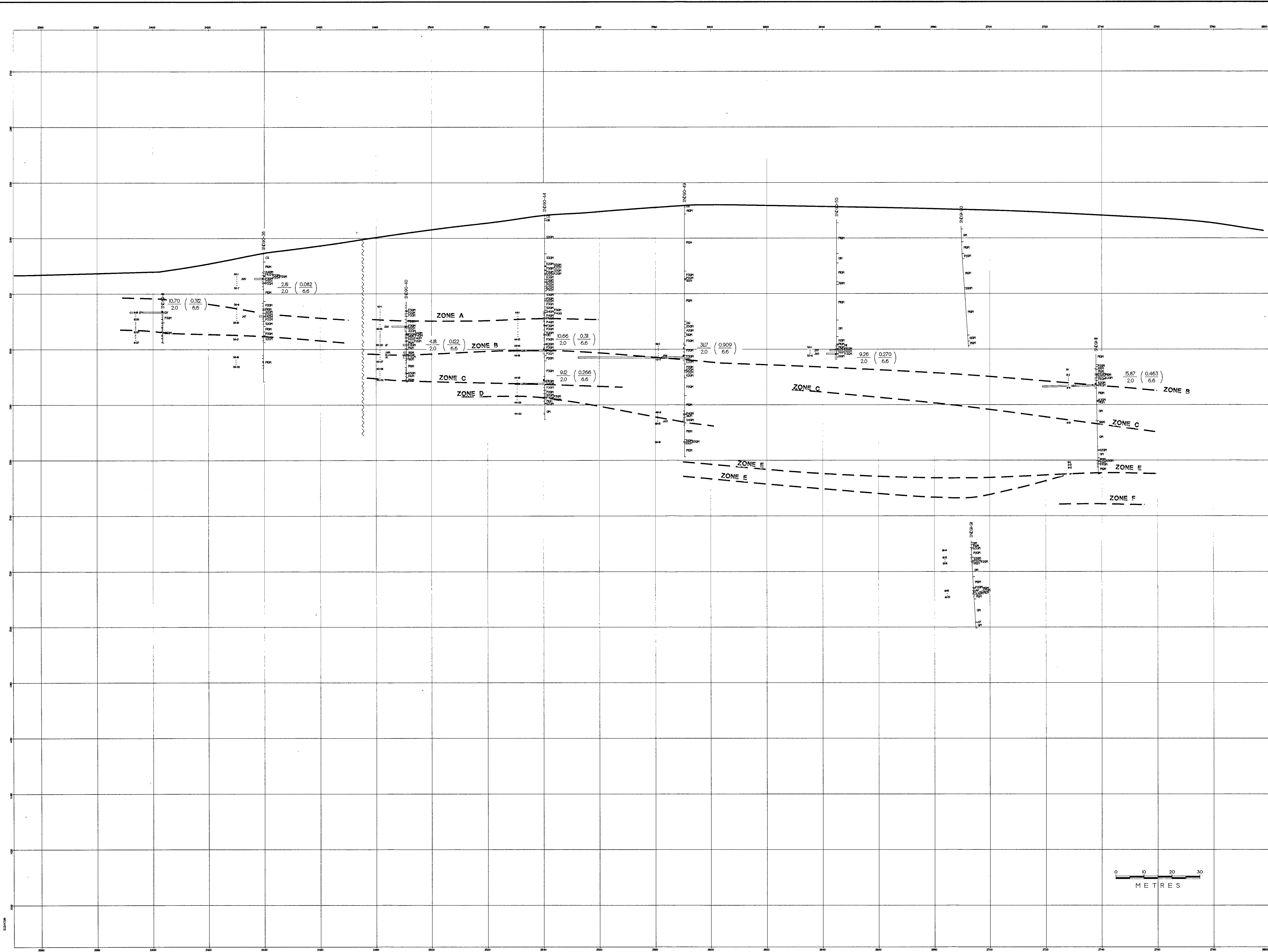
FAIRFIELD MINERALS LTD.

ELK PROPERTY
 SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
 LONGITUDINAL SECTION 3410N
 SCALE: 1 : 500 LOOKING NORTH

CORDILLERAN ENGINEERING LTD.
 1800 - 1055 WEST HASTINGS STREET
 VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE : APRIL, 1992 PLATE : 24



LEGEND

LITHOLOGY

- CS CASING
 - M MISSING CORE
 - OB OVERBURDEN
- TERTIARY**
- AD ANDESITE DYKE dark gray-green to olive green, fine grained to weakly porphyritic
 - BR BRECCIA fragmented rock in a clay or clay-siltstone rich matrix commonly grades into gouge
 - GG GOUGE clay-rich with numerous rock fragments, shear foliation or banding may be evident
 - QV QUARTZ VEN white to gray quartz with some chlorite, commonly 1% to 20% pyrite with lesser chloropyrite, epidote, galena, tetrahedrite rare native gold
- JURASSIC**
- OSPREY LAKE BATHOLITH
- AP APLITE pink to light gray, fine grained, asexual
 - FP FELDSPAR PORPHYRY pink to red medium fine-grained, k-fspar rich
 - GC GRANODIORITE CHILL MARGIN medium to dark gray, fine grained up to 15% biotite or hornblende
 - GD GRANODIORITE medium to dark gray, fine to medium grained up to 15% biotite or hornblende
 - GR GRANITE pink to pinkish gray, quartz - k-fspar rich with some hornblende
 - PG PEGMATITE pink to light gray, very coarse grained to megacrystic quartz - k-fspar - muscovite rich
 - QH QUARTZ MONZONITE light to medium pinkish gray, coarse grained, pegmatite with up to 15% biotite or hornblende
- TRASSIC**
- NEOLA GROUP VOLCANICS
- AV ANDESITIC VOLCANIC dark gray-green to near black, very fine grained to aphanitic
 - PV PORPHYRIC VOLCANIC as above, phenocrysts of plagioclase or hornblende to about 20%
 - VB VOLCANIC BRECCIA as above, brecciated (terrestrial) with andesitic matrix, matrix rarely contains up to 25% pyrite - pyrrhotite - chloropyrite

- ALTERATION CODES**
- | | | | |
|-----|----------------------|----|-------------|
| Am | ARGILLIC | Pp | PROPHYLITIC |
| Ph | PHYLIC | Ss | SERPENTINIC |
| Pv | POORLY STABLE PHYLIC | Su | SULFURIC |
| Pot | POTASSIC | Xm | SULPHATION |
- (a - 1 TO 5, WEAK TO INTENSE)

- SYMBOLS**
- LITHOLOGIC CONTACT
 - - - TRACE OF MINERALIZED STRUCTURE
 - ~ ~ ~ FAULT OR SHEAR

PLOT OF DIAMOND DRILL HOLE

AVERAGED GOLD VALUE
TRUE WIDTH

1.86 (0.346)
2.0 (6.6)

oz/tonne (oz/ton)
metres (feet)

NOTE: GOLD ASSAYS AND AVERAGES (0.05 oz/ton) NOT PLOTTED

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH NORTH GOLD DEPOSIT
LONGITUDINAL SECTION 3420N
SCALE: 1 : 500 LOOKING NORTH

CORDELLERAN ENGINEERING LTD.
1980 - 1055 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA V6E 2E9

DATE: APRIL, 1992 PLATE: 25

SIVASH NORTH DEPOSIT TOTAL MINERAL RESOURCE

Dec 17, 91

S.G. 2.65

CUTOFF (gm) 10.00

T.W.(m): 2.00

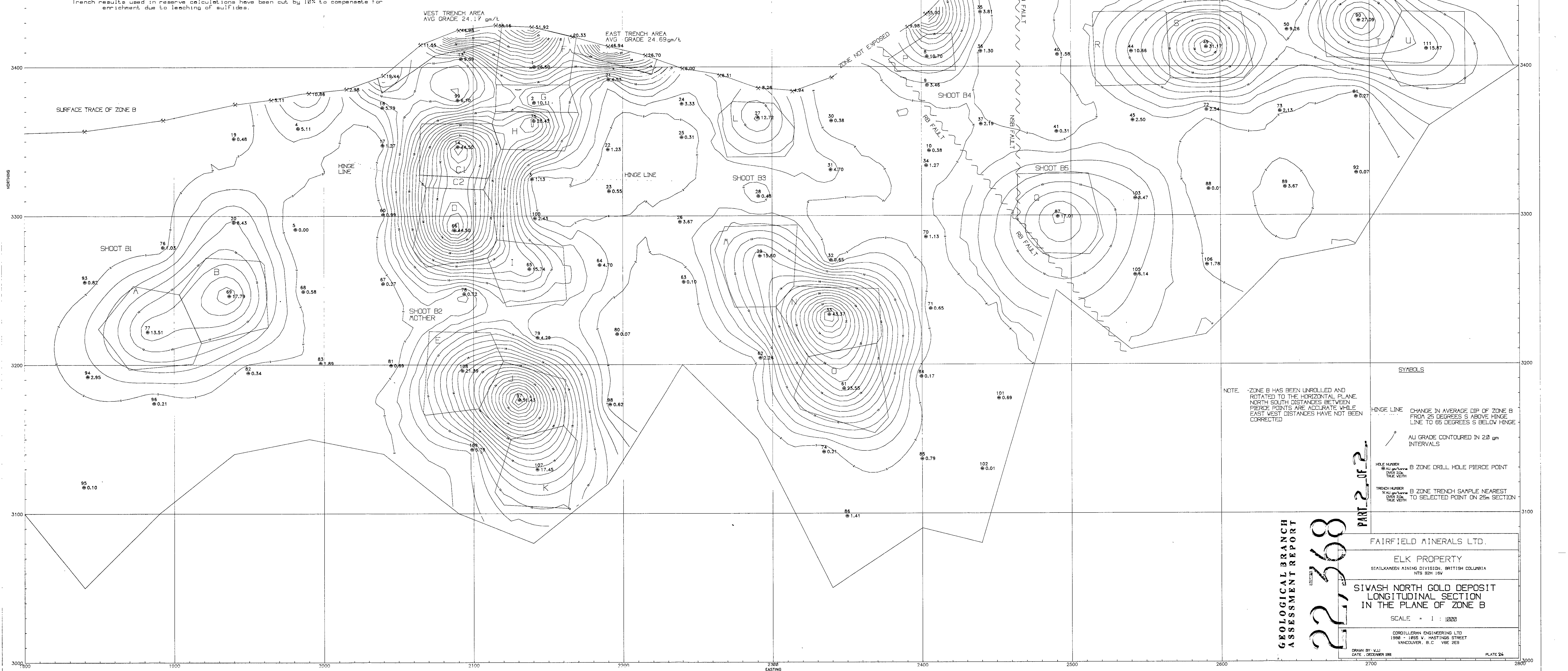
BLOCK HOLE	AREA	TONNES	AU GRADE	GRAMS AU	AG GRADE	GRAMS AG	SHOOT COMMENTS	
A	77	2,716.99	14.420	39.51	194,544.63	30.30	436,321.42	B1
B	68	2,594.89	13.752	17.79	244,864.39	33.92	464,848.59	B1
C	14A	1,796.92	9.523	44.50	423,803.68	25.50	242,853.74	B2a: above hinge line
D	66	344.35	1.825	44.50	81,214.95	25.50	46,539.90	B2b
E	107	2,414.72	12.799	44.50	569,511.71	43.90	581,832.90	B2b
F	10B	3,371.44	12.568	21.36	269,843.04	53.30	669,908.09	B2b
G	1	1,061.15	9.064	10.26	261,398.52	10.90	107,518.64	B2a: above hinge line
H	2	1,942.01	4.395	10.11	53,519.59	17.72	98,746.01	B2a: above hinge line
I	25	1,311.74	6.395	29.42	187,582.15	24.00	189,853.33	B2a: above hinge line
J	107	1,063.42	9.807	15.74	155,958.76	27.50	272,467.97	B2b
K	97	1,108.60	11.175	51.43	574,795.53	51.42	574,430.26	B2b: cut from 175.17 gm avg
L	107	3,342.77	12.416	17.45	216,571.08	12.70	157,691.86	B2b
M	27	1,591.20	8.433	12.72	107,272.34	10.70	90,236.95	B3
N	33	1,126.62	13.316	15.60	207,743.42	19.50	259,579.29	B3
O	61	2,656.91	13.710	43.37	594,629.72	48.50	664,965.22	B3
P	8	650.53	14.047	23.55	330,825.90	41.10	577,364.95	B3
Q	87	829.43	4.395	10.70	47,036.98	11.90	52,312.16	B4
R	44	2,636.68	12.225	17.01	234,041.70	16.30	224,272.76	B5
S	49	4,467.54	13.077	10.66	139,411.07	15.50	202,705.41	B6
T	111	3,326.63	12.362	31.17	385,352.91	22.30	275,693.54	B6
U	50	3,306.68	12.225	27.09	311,186.19	21.70	265,291.27	B6
V	111	4,430.01	12.879	15.07	204,390.57	44.30	570,542.05	B6
W	37	1,999.97	10.599	11.86	125,714.11	5.30	56,179.16	C1
X	106	2,433.38	12.956	10.39	133,998.94	6.62	110,313.46	C2
Y	7	479.50	13.141	17.04	223,928.60	5.30	69,649.16	C3
Z	7	1,302.66	11.86	11.86	131,672.38	9.40	106,150.98	C3
TRENCH EAST		2,510.28	13.304	14.64	194,771.44	10.00	133,240.60	
TRENCH WEST		810.00	2.960	24.89	73,279.92	16.63	49,357.84	B2a
			4.823	24.17	116,571.91	16.48	79,483.04	B2a

	TONNES	AVG AU GRADE	GRAMS AU	AVG AG GRADE	GRAMS AG
METRIC	307,416.75	22.189	6,821,256.94	7.577	851.49
IMPERIAL	338,863.26	0.847	219,334.31	0.72	243,651.17
	TONS		OUNCES AU		OUNCES AG

An additional 6.125 oz (189582 gm) of gold to the east and west of polygon 1 has been calculated from surface samples using a down-dip depth of 10m.

Reserve blocks V, W, X, Y, and Z from zones C, D, and E are not shown on this section.

Trench results used in reserve calculations have been cut by 10% to compensate for enrichment due to leaching of sulfides.



NOTE: ZONE B HAS BEEN UNROLLED AND ROTATED TO THE HORIZONTAL PLANE. NORTH-SOUTH DISTANCES BETWEEN PIERCE POINTS ARE ACCURATE WHILE EAST-WEST DISTANCES HAVE NOT BEEN CORRECTED.

SYMBOLS

HINGE LINE CHANGE IN AVERAGE DIP OF ZONE B FROM 25 DEGREES S ABOVE HINGE LINE TO 65 DEGREES S BELOW HINGE LINE

AU GRADE CONTOURED IN 2.0 gm INTERVALS

HOLE NUMBER B ZONE DRILL HOLE PIERCE POINT

TRENCH NUMBER B ZONE TRENCH SAMPLE NEAREST TO SELECTED POINT ON 25m TRACE

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GEOLOGICAL BRANCH ASSESSMENT REPORT

PART 2 OF 2

FAIRFIELD MINERALS LTD.

ELK PROPERTY

SIKLIKOMEN MINING DIVISION, BRITISH COLUMBIA

NTS 89H 18V

SIVASH NORTH GOLD DEPOSIT

LONGITUDINAL SECTION

IN THE PLANE OF ZONE B

SCALE = 1 : 1000

COROLLERAN ENGINEERING LTD

1808 - 1858 V. HASTINGS STREET

VANCOUVER, B.C. V6E 2E9

DRAWN BY: VJJ

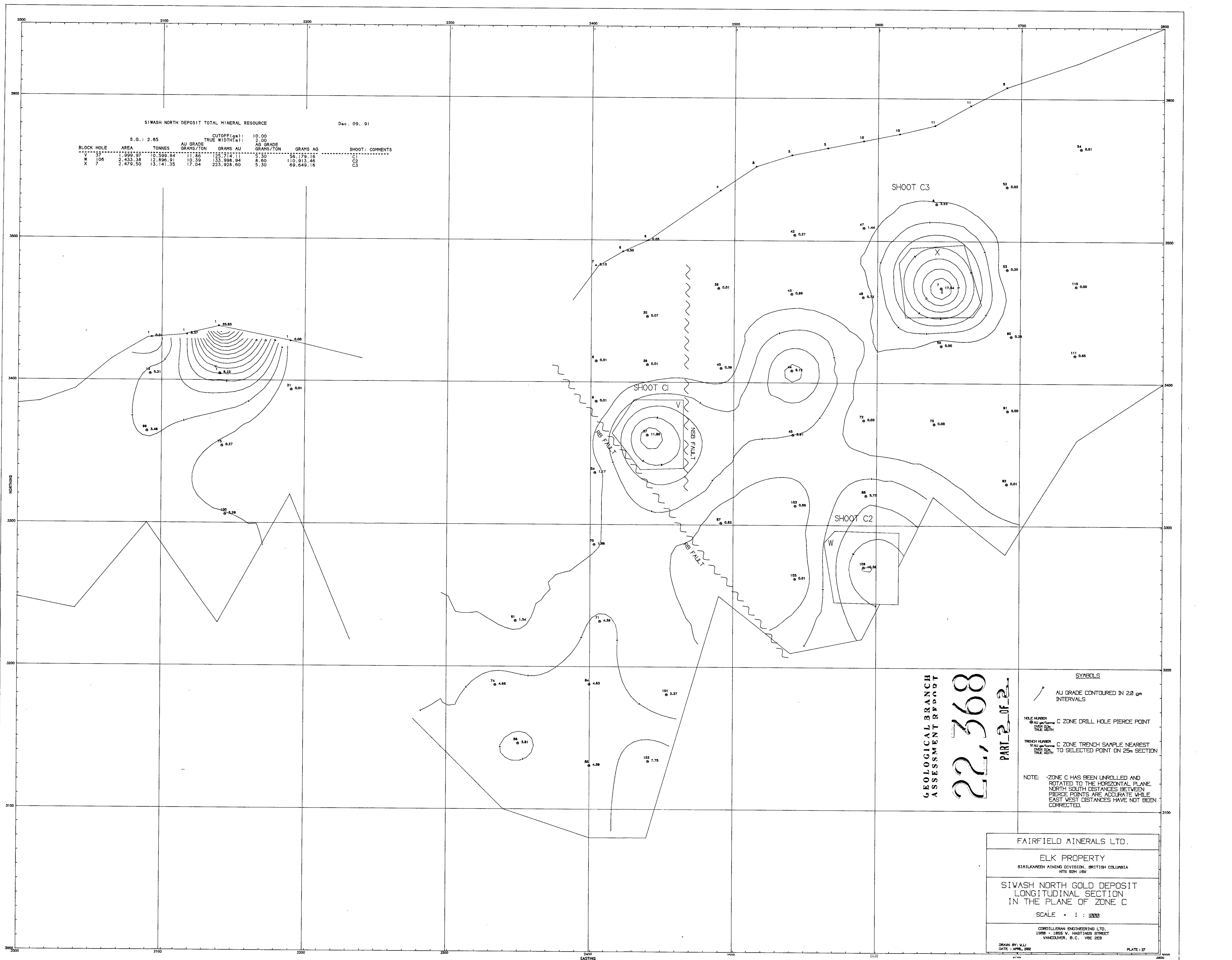
DATE: OCTOBER 1991

PLATE 24

SIWASH NORTH DEPOSIT TOTAL MINERAL RESOURCE

Dec. 09, 91

BLOCK HOLE	AREA	TONNES	CUTOFF (gm):		GRAMS AU	GRAMS AG	SHOOT: COMMENTS
			AU GRADE GRAMS/TON	TRUE WIDTH(m)			
V 37	1,999.07	10,599.84	11.86	125,714.11	5.30	56,178.16	C1
W 106	2,433.38	12,896.91	10.39	133,998.94	8.60	110,913.46	C2
X 7	2,479.50	13,141.35	17.04	223,926.60	5.30	69,649.16	C3



GEOLOGICAL BRANCH
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SYMBOLS

- AU GRADE CONTOURED IN 2.0 gm INTERVALS
- C ZONE DRILL HOLE PIERCE POINT
- C ZONE TRENCH SAMPLE NEAREST TO SELECTED POINT ON 25m SECTION

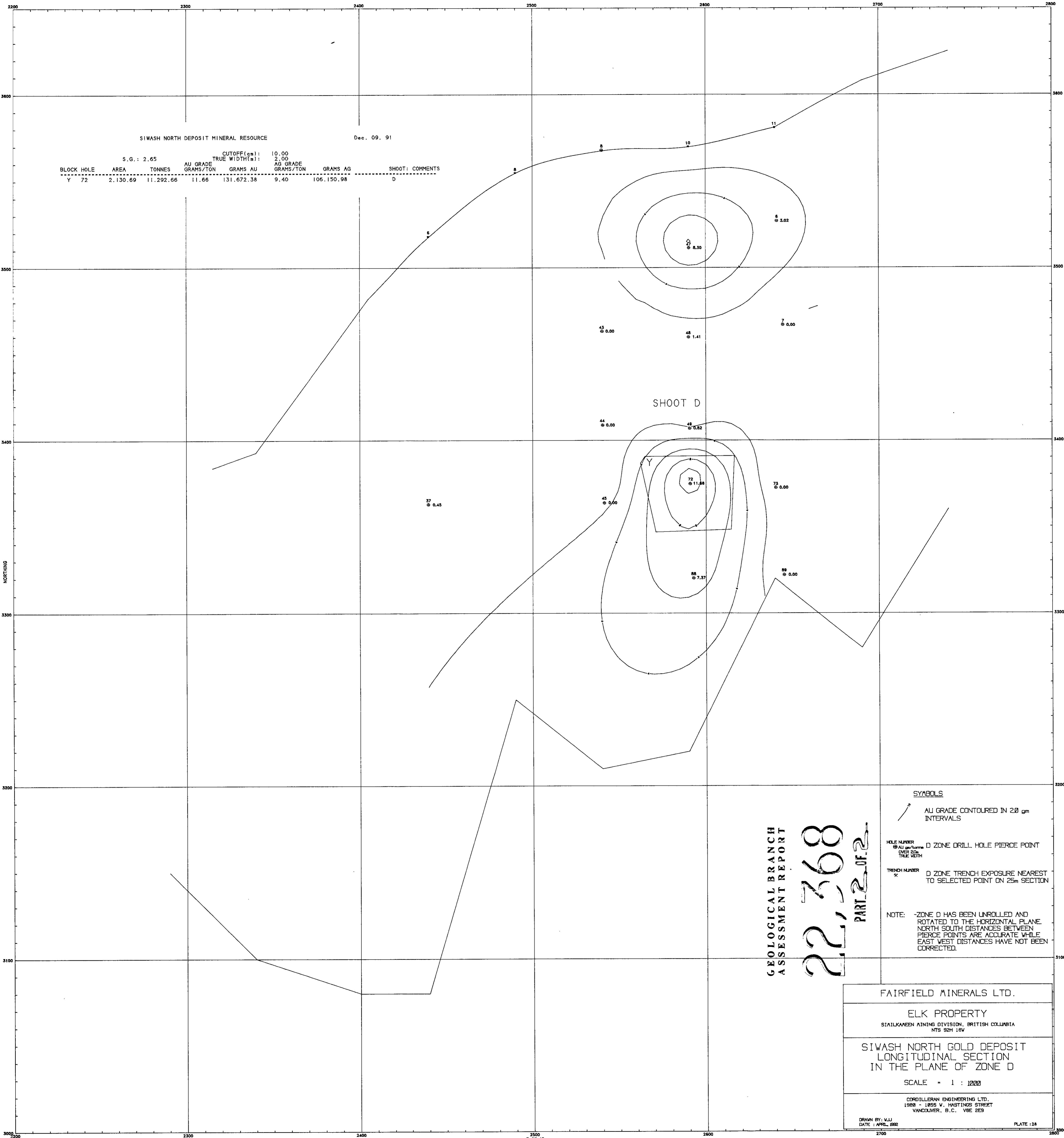
NOTE: -ZONE C HAS BEEN UNROLLED AND ROTATED TO THE HORIZONTAL PLANE. NORTH SOUTH DISTANCES BETWEEN PIERCE POINTS ARE ACCURATE WHILE EAST WEST DISTANCES HAVE NOT BEEN CORRECTED.

FAIRFIELD MINERALS LTD.
 ELK PROPERTY
 STATIKAMEN MINING DIVISION, BRITISH COLUMBIA
 NTS 524 154
 SIWASH NORTH GOLD DEPOSIT
 LONGITUDINAL SECTION
 IN THE PLANE OF ZONE C
 SCALE = 1 : 1000
 CORDILLERAN ENGINEERS LTD.
 1988 - 1955 V. HASTINGS STREET
 VANCOUVER, B.C. V6E 2E9
 DRAWN BY: M.J.J.
 DATE: APRIL 1992
 PLATE: 27

SIWASH NORTH DEPOSIT MINERAL RESOURCE

Dec. 09. 91

BLOCK HOLE	AREA	TONNES	AU GRADE GRAMS/TON	TRUE WIDTH(m):	CUTOFF(gm):	GRAMS AU	AG GRADE GRAMS/TON	GRAMS AG	SHOOT: COMMENTS
Y 72	2.130.69	11.292.66	11.66	131.672.38	10.00	9.40	106.150.98		D



SHOOT D

GEOLOGICAL BRANCH
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SYMBOLS

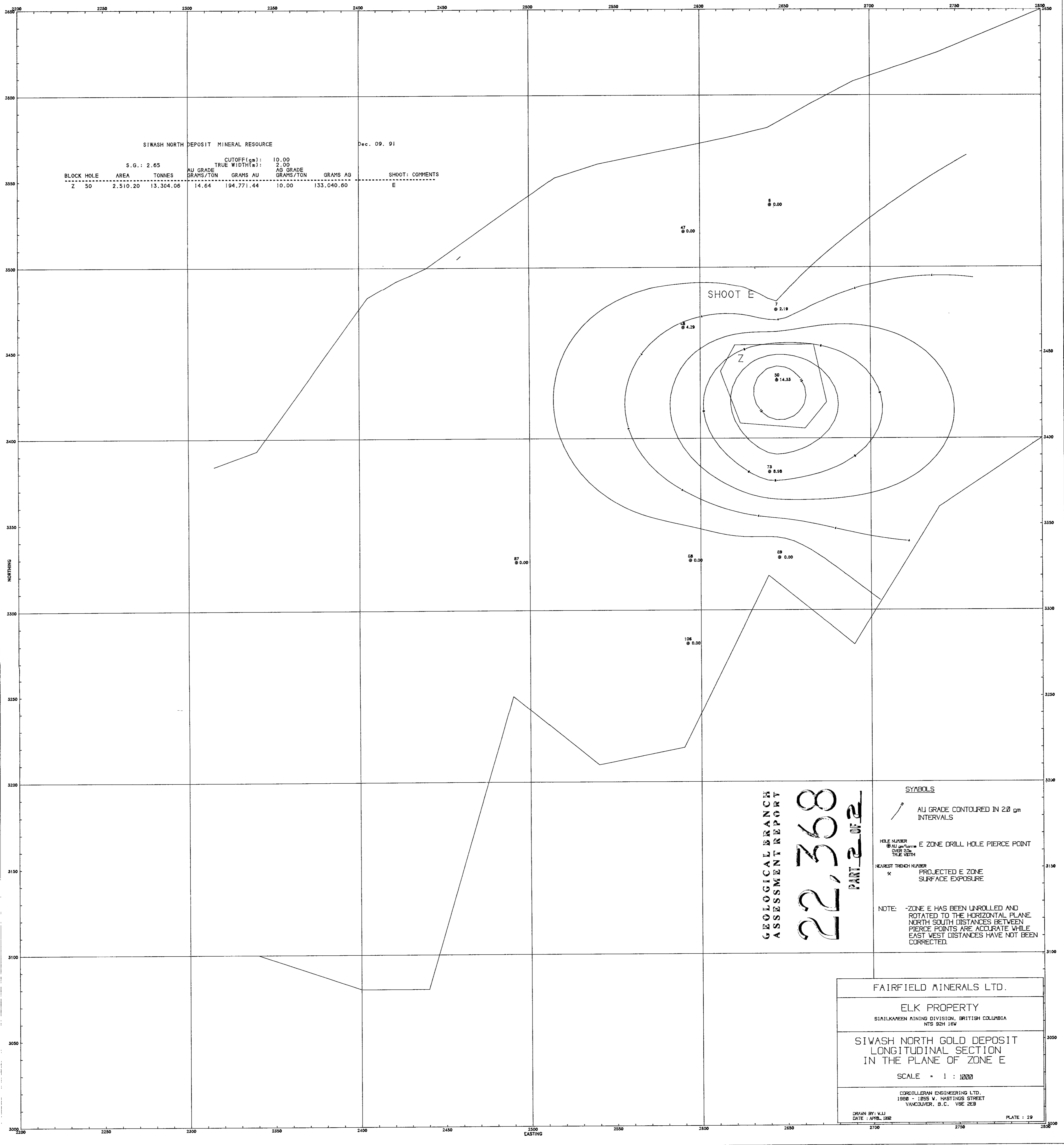
AU GRADE CONTOURED IN 2.0 gm INTERVALS

HOLE NUMBER
 @ AU GRADE/TRENCH OVER 25m TRUE WIDTH D ZONE DRILL HOLE PIERCE POINT

TRENCH NUMBER
 * D ZONE TRENCH EXPOSURE NEAREST TO SELECTED POINT ON 25m SECTION

NOTE: -ZONE D HAS BEEN UNROLLED AND ROTATED TO THE HORIZONTAL PLANE. NORTH SOUTH DISTANCES BETWEEN PIERCE POINTS ARE ACCURATE WHILE EAST WEST DISTANCES HAVE NOT BEEN CORRECTED.

FAIRFIELD MINERALS LTD.
ELK PROPERTY STATUKMEEN AINING DIVISION, BRITISH COLUMBIA NTS 92H 19V
SIWASH NORTH GOLD DEPOSIT LONGITUDINAL SECTION IN THE PLANE OF ZONE D
SCALE = 1 : 1200
CORILLERAN ENGINEERING LTD. 1980 - 1855 V. HASTINGS STREET VANCOUVER, B.C. V6E 2E9
DRAWN BY: VJJ DATE: APRIL 1992
PLATE 128



SIWASH NORTH DEPOSIT MINERAL RESOURCE

Dec. 09. 91

BLOCK HOLE	AREA	TONNES	AU GRADE GRAMS/TON	TRUE WIDTH (m)	CUTOFF (gm): 10.00	AG GRADE GRAMS/TON	GRAMS AU	GRAMS AG	SHOOT: COMMENTS
Z 50	2,510.20	13,304.06	14.64	194.77	10.00	133.04	0.60		E

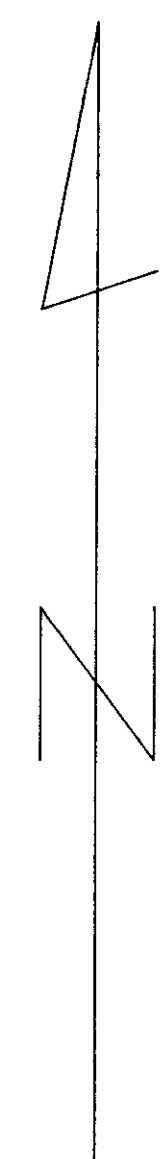
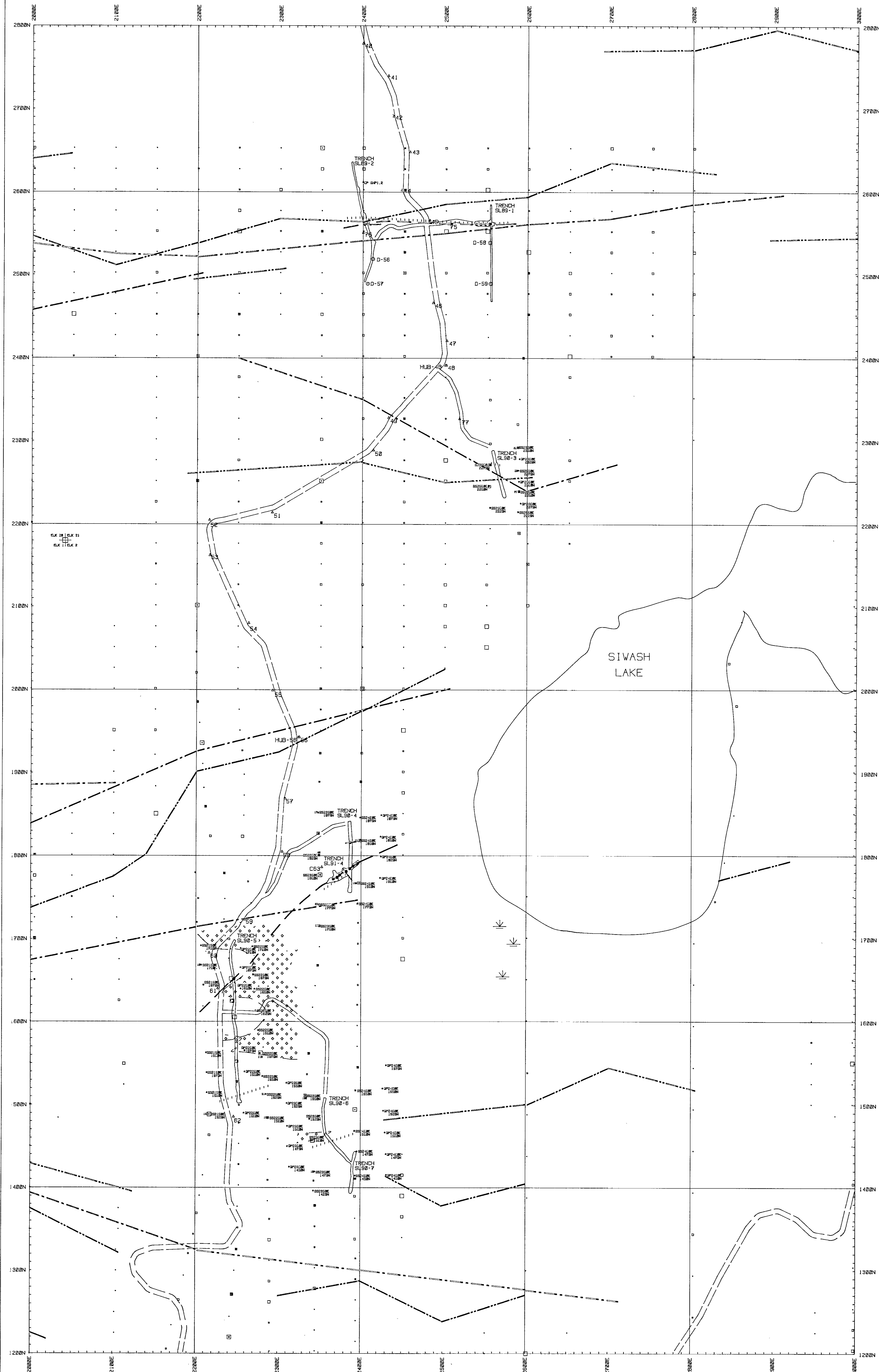
GEOLOGICAL BRANCH
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SYMBOLS

- AU GRADE CONTOURED IN 20 gm INTERVALS
- HOLE NUMBER
E ZONE DRILL HOLE PIERCE POINT
- HOLE NUMBER
OVER 30m
TRUE WIDTH
- NEAREST TRENCH NUMBER
PROJECTED E ZONE SURFACE EXPOSURE

NOTE: -ZONE E HAS BEEN UNROLLED AND ROTATED TO THE HORIZONTAL PLANE. NORTH SOUTH DISTANCES BETWEEN PIERCE POINTS ARE ACCURATE WHILE EAST WEST DISTANCES HAVE NOT BEEN CORRECTED.

FAIRFIELD MINERALS LTD.
 ELK PROPERTY
 SIATUKMEEN MINING DIVISION, BRITISH COLUMBIA
 NTS 92H 16V
 SIWASH NORTH GOLD DEPOSIT
 LONGITUDINAL SECTION
 IN THE PLANE OF ZONE E
 SCALE = 1 : 1000
 CORDILLERAN ENGINEERING LTD.
 1800 - 1835 W. HASTINGS STREET
 VANCOUVER, B.C. V6E 2E9
 DRAWN BY: VJJ
 DATE: APR. 1992
 PLATE: 29



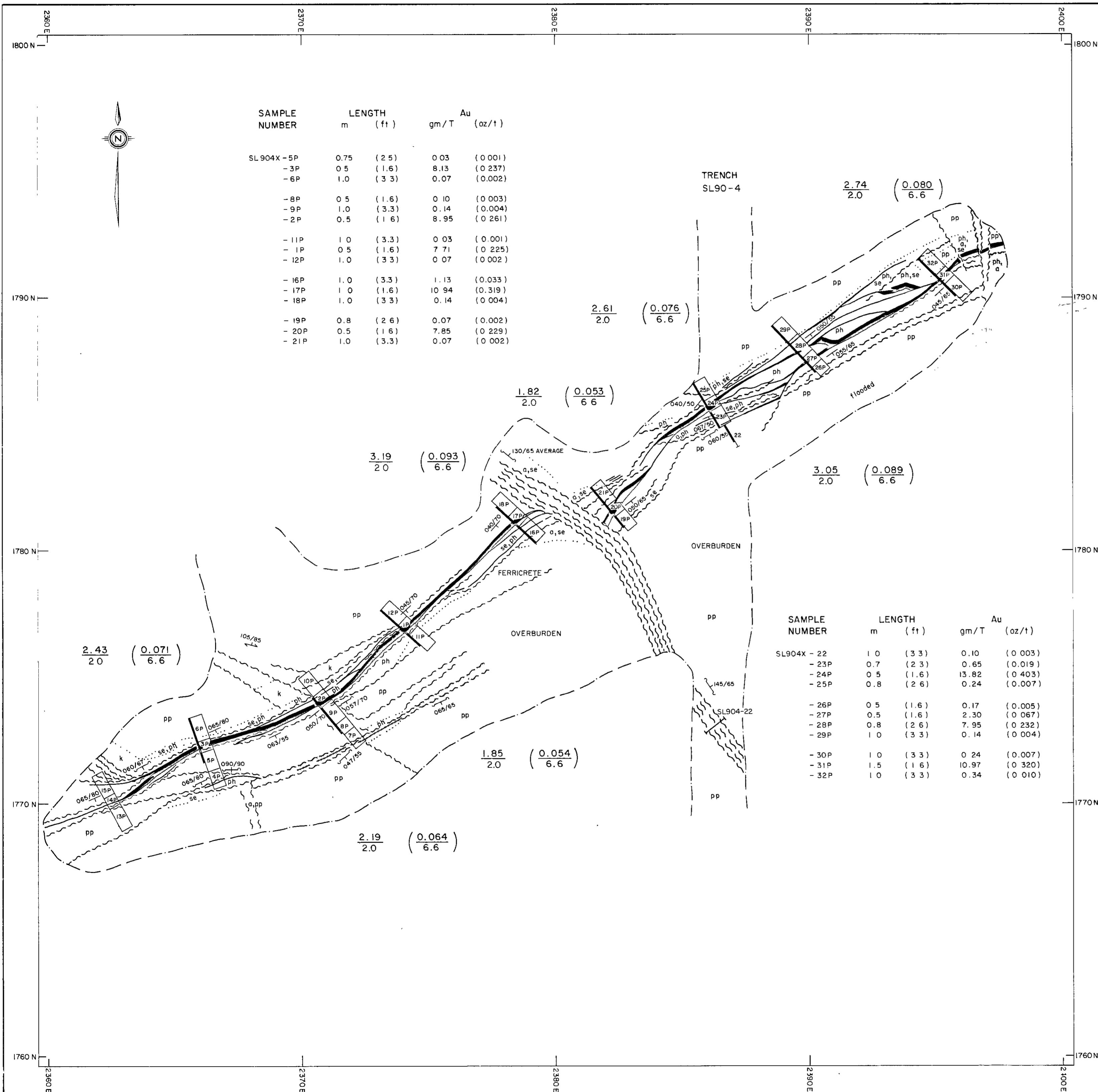
- LEGEND**
- LITHOLOGY**
- TERTIARY**
- OTHER INTRUSIONS**
- FELDSPAR PORPHYRY** medium grey to reddish with 3X to 40X feldspar phenocrysts; fine grained; commonly strong wahlbergite alteration.
- JURASSIC**
- OSPREY LAKE BATHOLITH**
- APLITE** pink to light grey, very fine-grained with occasional pegmatitic veins
 - GRANODIORITE** medium to dark grey, fine to medium grained, up to 15% biotite or hornblende
 - GRANITE, GRANITIC (UNDIVIDED)** pink to pinkish grey, medium-grained, abundant K-fspar, some hornblende
 - QUARTZ MONZONITE** light to medium pinkish grey, coarse grained equigranular with up to 15% biotite or hornblende
- TRIASSIC**
- NICOLA GROUP VOLCANICS**
- ANDESITIC VOLCANIC** dark grey-green to near black; very fine-grained to aphanitic; commonly porphyritic; pods of volcanic breccia.
- SYMBOLS**
- lithological contact
 - trace of mineralized structure
 - fault or shear
 - trace of andesite dyke
 - trench/stripped area outline
 - significant averaged assay location
 - magnetic contact
 - VLF-EM anomaly
 - survey control point
 - surveyed geophysics station
 - surveyed soil sample station - result (>15ppb Au)
- soil sample stations:**
- < 10 ppb Au
 - 10 - 20 ppb Au
 - 21 - 50 ppb Au
 - 51 - 100 ppb Au
 - >100 ppb Au
- road
- diamond drill hole collar
- swamp
- claim post

**GEOLOGICAL BRANCH
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FAIRFIELD MINERALS LTD.
ELK PROPERTY SIWASH LAKE AREA, BRITISH COLUMBIA NTS 92H 12V
SIWASH LAKE AREA COMPILATION MAP
SCALE = 1 : 2000
CORILLERAN ENGINEERING LTD. 1988 - 1855 W. HASTINGS STREET VANCOUVER, B.C. V6E 2E9
DRAWN BY: PWC DATE: APRIL 1992



SAMPLE NUMBER	LENGTH		Au	
	m	(ft)	gm/T	(oz/t)
SL 904X - 5P	0.75	(2.5)	0.03	(0.001)
- 3P	0.5	(1.6)	8.13	(0.237)
- 6P	1.0	(3.3)	0.07	(0.002)
- 8P	0.5	(1.6)	0.10	(0.003)
- 9P	1.0	(3.3)	0.14	(0.004)
- 2P	0.5	(1.6)	8.95	(0.261)
- 11P	1.0	(3.3)	0.03	(0.001)
- 1P	0.5	(1.6)	7.71	(0.225)
- 12P	1.0	(3.3)	0.07	(0.002)
- 16P	1.0	(3.3)	1.13	(0.033)
- 17P	1.0	(3.3)	10.94	(0.319)
- 18P	1.0	(3.3)	0.14	(0.004)
- 19P	0.8	(2.6)	0.07	(0.002)
- 20P	0.5	(1.6)	7.85	(0.229)
- 21P	1.0	(3.3)	0.07	(0.002)

SAMPLE NUMBER	LENGTH		Au	
	m	(ft)	gm/T	(oz/t)
SL904X - 22	1.0	(3.3)	0.10	(0.003)
- 23P	0.7	(2.3)	0.65	(0.019)
- 24P	0.5	(1.6)	13.82	(0.403)
- 25P	0.8	(2.6)	0.24	(0.007)
- 26P	0.5	(1.6)	0.17	(0.005)
- 27P	0.5	(1.6)	2.30	(0.067)
- 28P	0.8	(2.6)	7.95	(0.232)
- 29P	1.0	(3.3)	0.14	(0.004)
- 30P	1.0	(3.3)	0.24	(0.007)
- 31P	1.5	(4.9)	10.97	(0.320)
- 32P	1.0	(3.3)	0.34	(0.010)

LEGEND

- TERTIARY**
- QUARTZ VEINS: Strike and dip
 - ANDESITE DYKE: Strike and dip
dark greyish green to olive green, fine grained to weakly porphyritic
- JURASSIC**
- OSPREY LAKE BATHOLITH
 - GRANITIC ROCKS: QUARTZ MONZONITE
light to medium pinkish grey, coarse grained equigranular, to about 15% Biotite

- ALTERATION CODES**
- a argillic
 - k potassic
 - ph phyllic
 - pp propylitic
 - se sericitic

- SYMBOLS**
- LIMIT OF STRONGEST ALTERATION
 - LITHOLOGICAL CONTACT
 - ~~~~~ SHEAR, FAULT, STRIKE AND DIP
 - FRACTURE STRIKE AND DIP
 - EDGE OF TRENCH / STRIPPED AREA

- BAR INDICATES AVERAGED INTERVAL**
- 25P PANEL SAMPLES
 - 24P
 - 23P
 - 22 CHIP SAMPLE

2.61 / 2.0	(0.076 / 6.6)	Averaged Gold Value	gm/Tonne	(oz/ton)
		True Width	metres	(feet)

RESULTS AVERAGING <1.0 gm/Tonne (0.029 oz/ton) Au OVER A 2.0m TRUE WIDTH NOT LISTED

GEOLOGICAL BRANCH ASSESSMENT REPORT

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FAIRFIELD MINERALS LTD.

ELK PROPERTY
SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA
NTS 92H 16W

SIWASH LAKE AREA
TRENCH SL91-4

SCALE 1:100
0 1 2 3 4 5 6 metres

CORDILLERAN ENGINEERING LTD.
1580-1035 W. HASTINGS STREET
VANCOUVER, B.C. V6E 2E9

PLATE 31